

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067889.D
 Acq On : 07 Dec 2020 10:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 08 03:11:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	202953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	284473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	258035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103864	47.67	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.34%
35) Dibromofluoromethane	7.92	113	90186	47.38	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.76%
50) Toluene-d8	10.34	98	332011	48.45	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.90%
62) 4-Bromofluorobenzene	12.63	95	119920	50.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.24%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92297	52.256	ug/l	95
3) Chloromethane	2.21	50	49413	48.476	ug/l	99
4) Vinyl Chloride	2.35	62	63869	49.751	ug/l	94
5) Bromomethane	2.77	94	64563	56.336	ug/l	91
6) Chloroethane	2.93	64	42488	50.833	ug/l	95
7) Trichlorofluoromethane	3.28	101	202256	51.486	ug/l	99
8) Diethyl Ether	3.71	74	35631	46.536	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	90546	50.547	ug/l	98
10) Methyl Iodide	4.30	142	89601	47.190	ug/l	99
11) Tert butyl alcohol	5.21	59	24462	208.939	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	81431	48.420	ug/l	99
13) Acrolein	3.93	56	19215	229.494	ug/l	95
14) Allyl chloride	4.71	41	72706	46.732	ug/l	88
15) Acrylonitrile	5.43	53	61438	231.415	ug/l	99
16) Acetone	4.16	43	75208	279.344	ug/l	99
17) Carbon Disulfide	4.41	76	223846	47.673	ug/l	100
18) Methyl Acetate	4.72	43	22904	45.262	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	182783	50.757	ug/l	99
20) Methylene Chloride	4.96	84	89200	51.250	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	95407	49.854	ug/l	90
22) Diisopropyl ether	6.36	45	148979	47.610	ug/l	95
23) Vinyl Acetate	6.31	43	436069	250.501	ug/l	99
24) 1,1-Dichloroethane	6.27	63	135325	49.335	ug/l	98
25) 2-Butanone	7.21	43	63267	223.417	ug/l	100
26) 2,2-Dichloropropane	7.21	77	173073	52.912	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102247	48.847	ug/l	96
28) Bromochloromethane	7.55	49	40086	46.029	ug/l #	97
29) Tetrahydrofuran	7.56	42	35593	220.748	ug/l	95
30) Chloroform	7.71	83	181696	49.566	ug/l	96
31) Cyclohexane	7.98	56	104462	45.508	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	202329	52.287	ug/l	98
36) 1,1-Dichloropropene	8.12	75	127676	51.845	ug/l	99
37) Ethyl Acetate	7.29	43	29256	44.078	ug/l	95
38) Carbon Tetrachloride	8.10	117	197694	53.057	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147289	50.470	ug/l	97
40) Benzene	8.35	78	341560	50.688	ug/l	96
41) Methacrylonitrile	7.53	41	15709	49.824	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	122715	51.096	ug/l	99
43) Isopropyl Acetate	8.46	43	59861	45.837	ug/l	97
44) Trichloroethene	9.11	130	119923	51.762	ug/l	94
45) 1,2-Dichloropropane	9.39	63	65731	47.526	ug/l	92
46) Dibromomethane	9.48	93	46948	48.823	ug/l	97
47) Bromodichloromethane	9.67	83	138133	50.388	ug/l	98
48) Methyl methacrylate	9.46	41	32540	49.069	ug/l	95
49) 1,4-Dioxane	9.46	88	10580	962.891	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	143157	231.611	ug/l	100
52) Toluene	10.41	92	238907	50.710	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118996	50.292	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	131293	51.013	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	61242	46.538	ug/l	99
56) Ethyl methacrylate	10.67	69	63865	47.699	ug/l	98
57) 1,3-Dichloropropane	10.95	76	98305	47.159	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	153596	252.104	ug/l	97
59) 2-Hexanone	10.99	43	111860	256.723	ug/l	94
60) Dibromochloromethane	11.14	129	100040	50.431	ug/l	96
61) 1,2-Dibromoethane	11.25	107	59746	46.168	ug/l	98
64) Tetrachloroethene	10.88	164	106939	50.808	ug/l	94
65) Chlorobenzene	11.68	112	271842	51.057	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	110701	50.977	ug/l	96
67) Ethyl Benzene	11.75	91	471906	52.030	ug/l	97
68) m/p-Xylenes	11.86	106	368938	103.161	ug/l	100
69) o-Xylene	12.18	106	168342	53.022	ug/l	100
70) Styrene	12.20	104	285279	51.673	ug/l	98
71) Bromoform	12.37	173	54916	47.774	ug/l #	95
73) Isopropylbenzene	12.48	105	490226	53.392	ug/l	99
74) N-amyl acetate	12.29	43	55241	48.639	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	54243	44.747	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	84099	86.496	ug/l #	1
77) Bromobenzene	12.76	156	118420	51.879	ug/l	97
78) n-propylbenzene	12.83	91	535976	52.668	ug/l	99
79) 2-Chlorotoluene	12.91	91	308186	51.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	430491	54.153	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19248	47.356	ug/l	97
82) 4-Chlorotoluene	13.01	91	335168	52.483	ug/l	99
83) tert-Butylbenzene	13.23	119	377517	55.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	424773	53.735	ug/l	99
85) sec-Butylbenzene	13.41	105	478368	52.982	ug/l	100
86) p-Isopropyltoluene	13.52	119	468391	52.932	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	222362	50.500	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	219717	49.878	ug/l	99
89) n-Butylbenzene	13.85	91	395497	53.797	ug/l	100
90) Hexachloroethane	14.11	117	82312	50.384	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	189434	49.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12809	50.631	ug/l	89

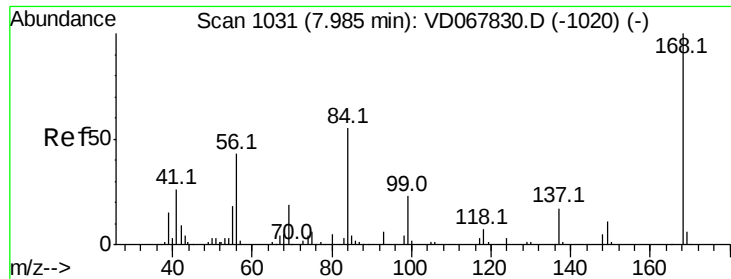
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	143401	53.682	ug/l	99
94) Hexachlorobutadiene	15.27	225	95352	54.702	ug/l	98
95) Naphthalene	15.41	128	218049	50.163	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	120558	52.260	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

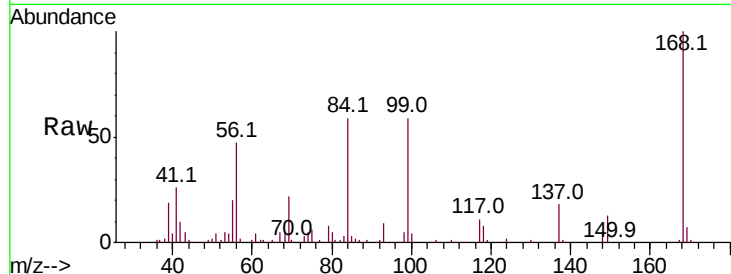
VSTDCCC050

Tot Ion:168 Resp: 202953

Ion Ratio Lower Upper

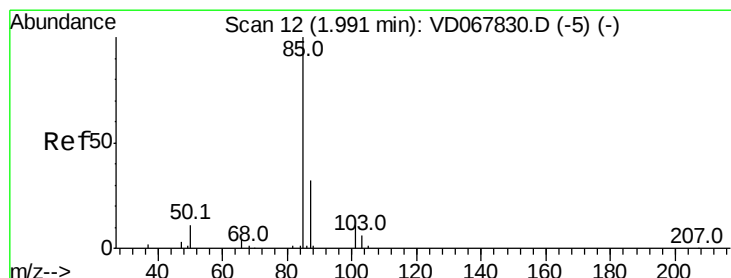
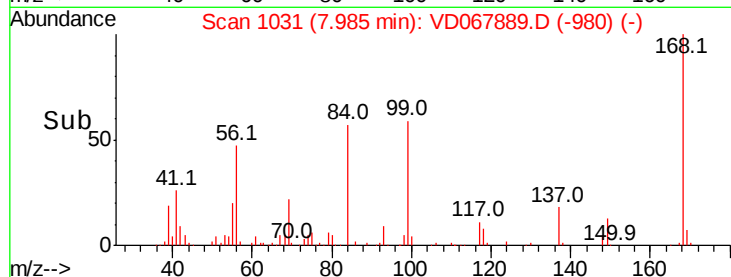
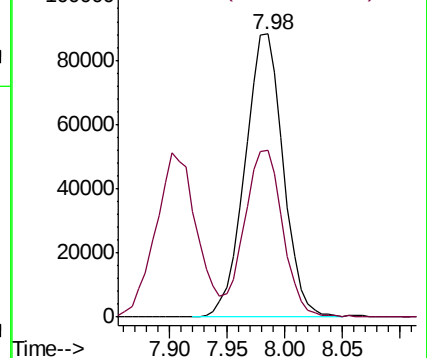
168 100

99 59.0 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.256 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067889.D

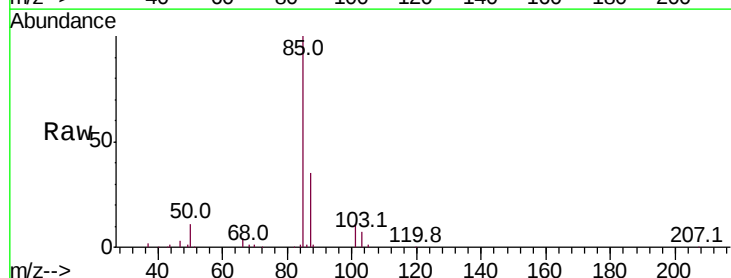
Acq: 07 Dec 2020 10:00

Tgt Ion: 85 Resp: 92297

Ion Ratio Lower Upper

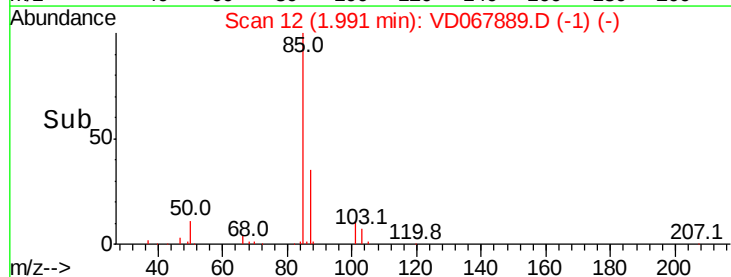
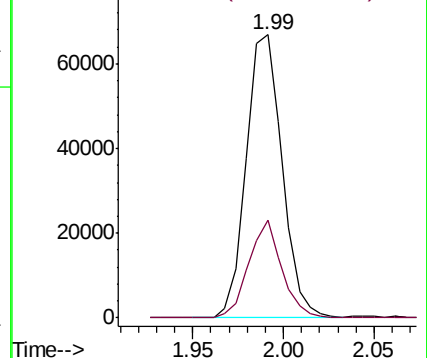
85 100

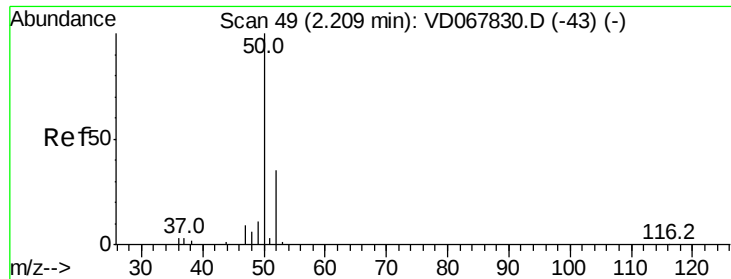
87 34.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.476 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

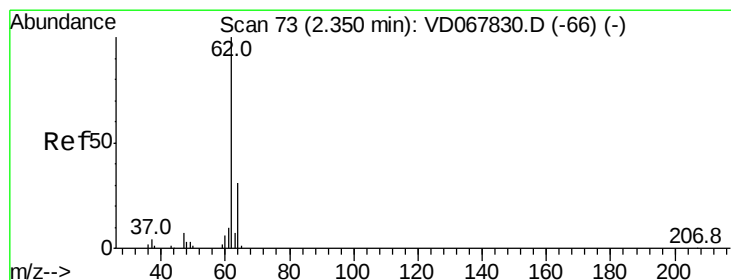
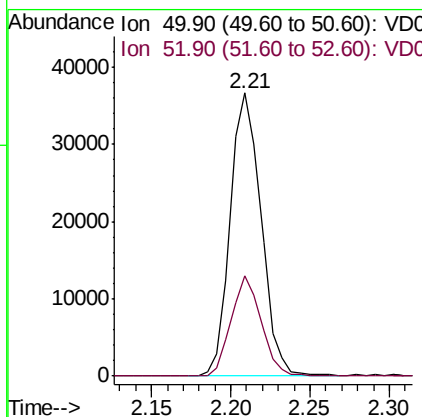
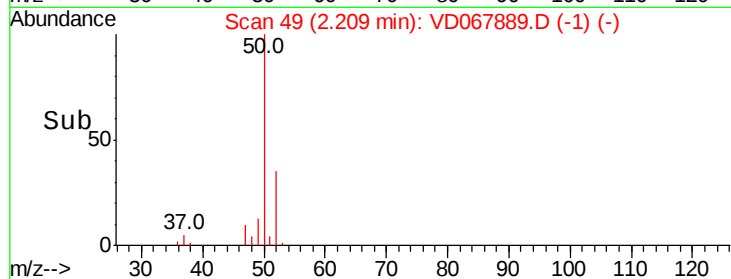
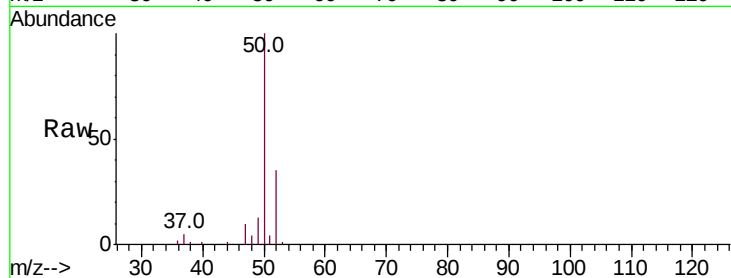
VSTDCCC050

Tot Ion: 50 Resp: 49413

Ion Ratio Lower Upper

50 100

52 35.3 27.8 41.6



#4

Vinyl Chloride

Concen: 49.751 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067889.D

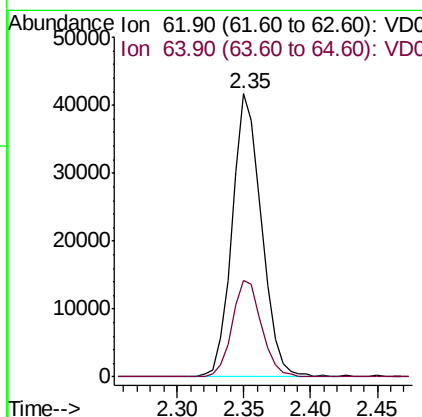
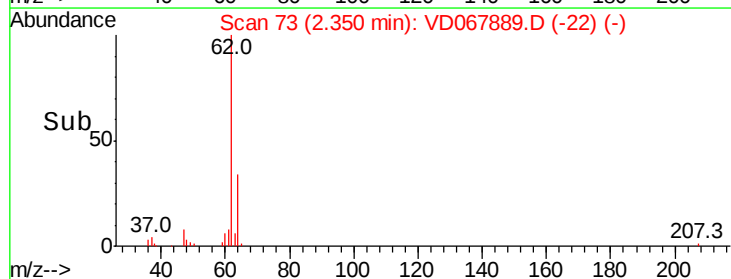
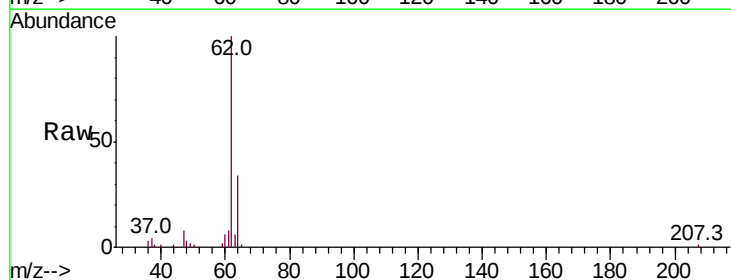
Acq: 07 Dec 2020 10:00

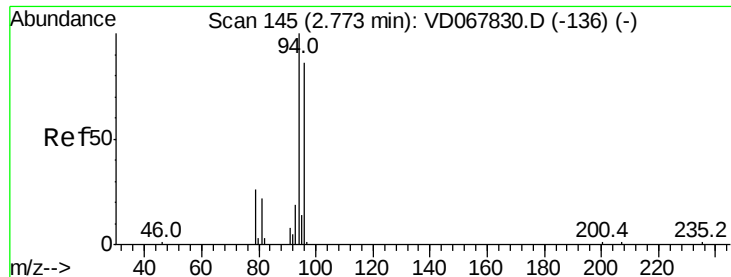
Tgt Ion: 62 Resp: 63869

Ion Ratio Lower Upper

62 100

64 34.0 24.5 36.7





#5

Bromomethane

Concen: 56.336 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

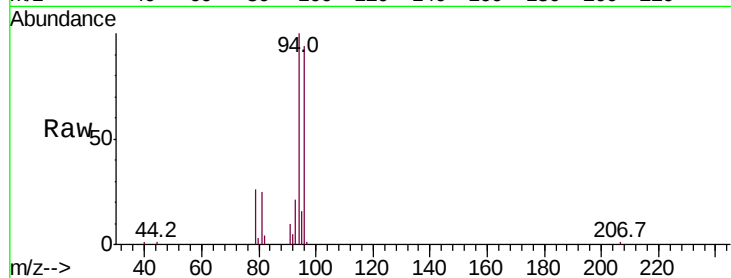
VSTDCCC050

Tot Ion: 94 Resp: 64563

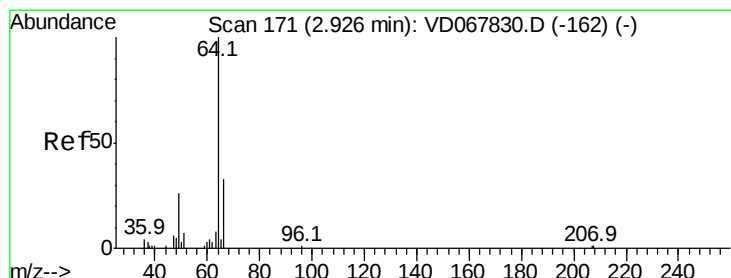
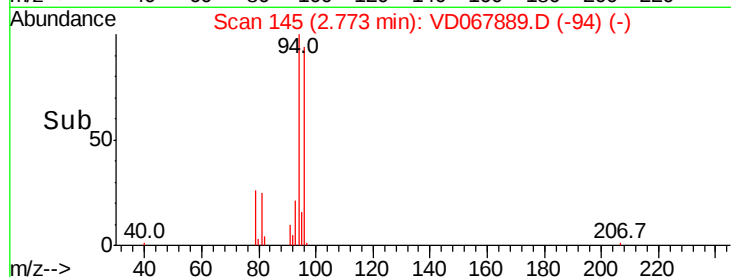
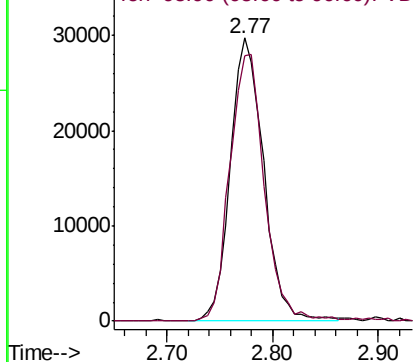
Ion Ratio Lower Upper

94 100

96 93.9 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.833 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067889.D

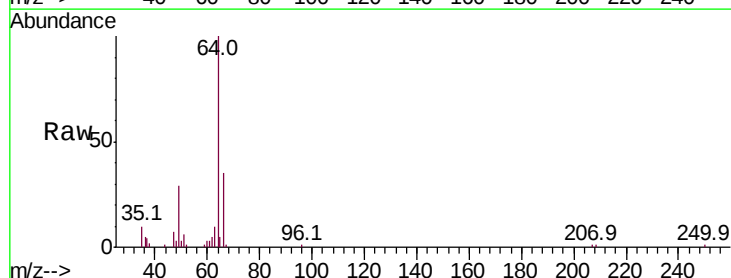
Acq: 07 Dec 2020 10:00

Tgt Ion: 64 Resp: 42488

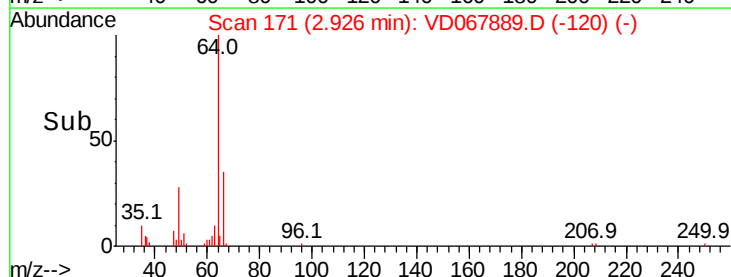
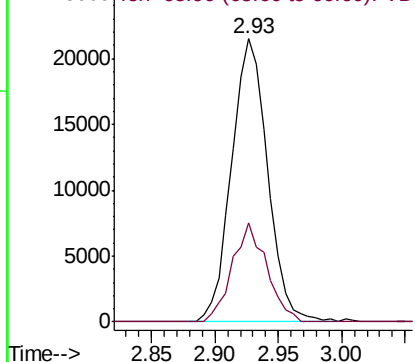
Ion Ratio Lower Upper

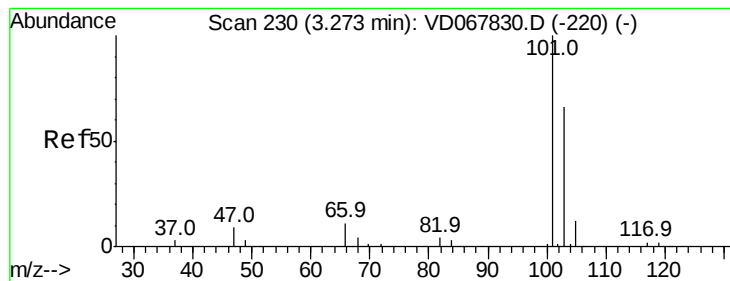
64 100

66 35.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



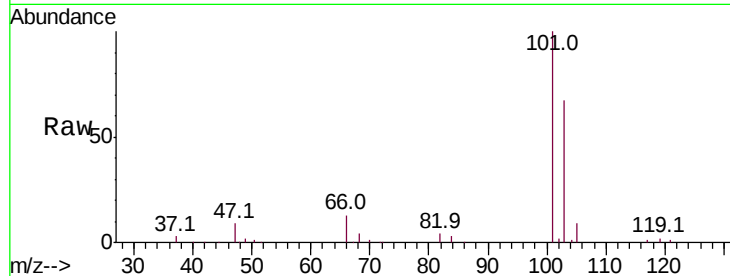


#7

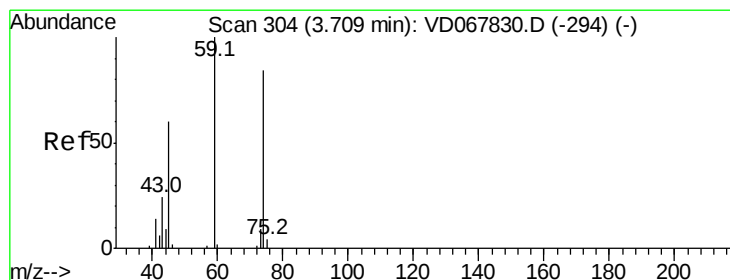
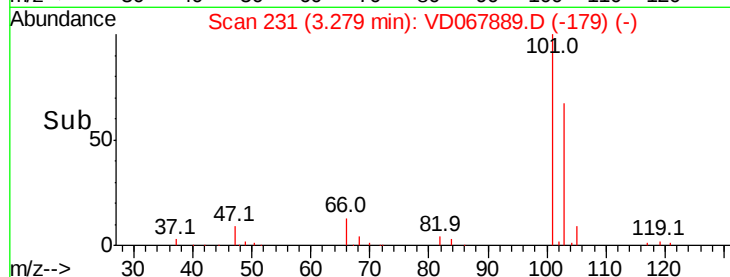
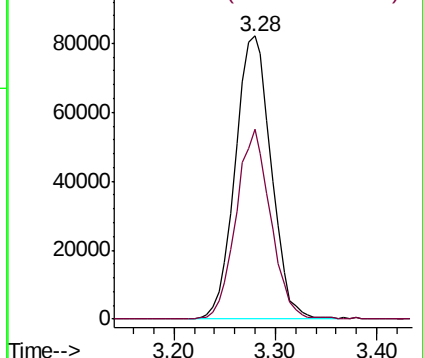
Trichlorofluoromethane
Concen: 51.486 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Instrument :
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Tot Ion:101 Resp: 202256
Ion Ratio Lower Upper
101 100
103 67.2 53.0 79.6



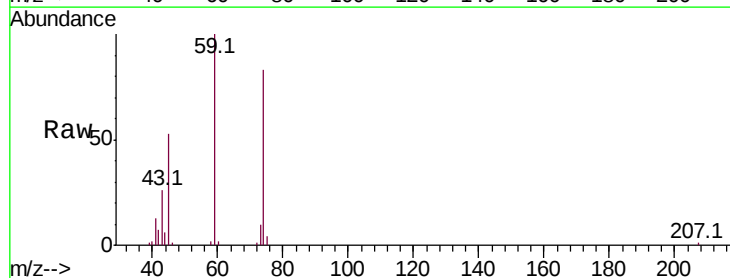
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



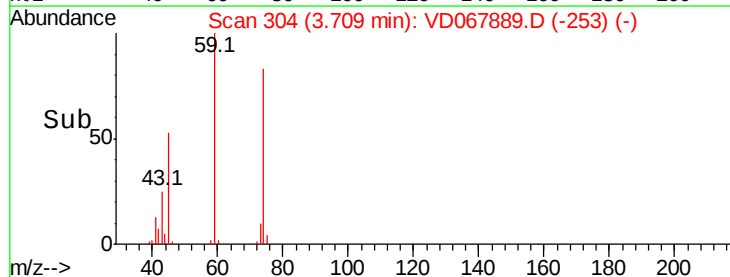
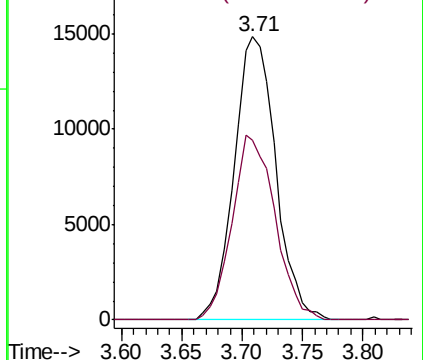
#8

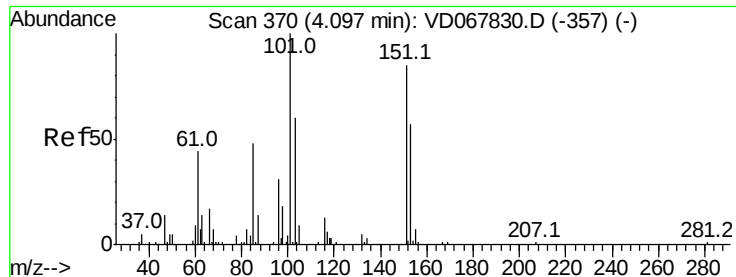
Diethyl Ether
Concen: 46.536 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 74 Resp: 35631
Ion Ratio Lower Upper
74 100
45 67.1 33.9 101.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.547 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

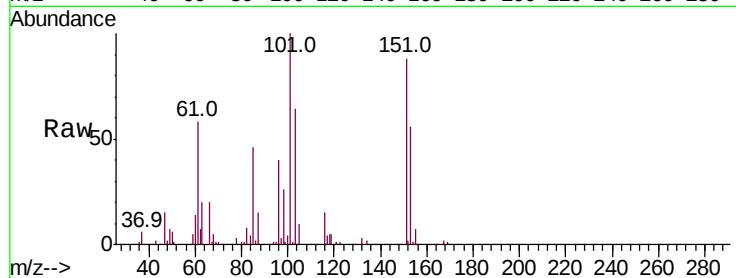
Tot Ion:101 Resp: 90546

Ion Ratio Lower Upper

101 100

85 44.0 36.2 54.4

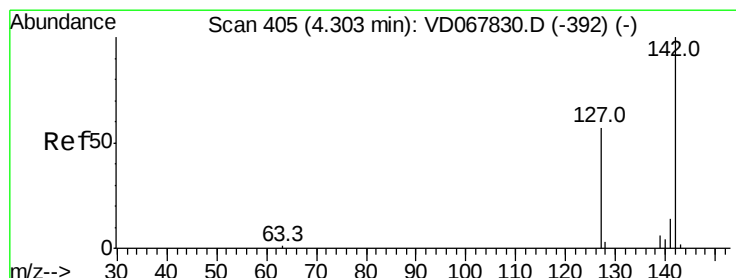
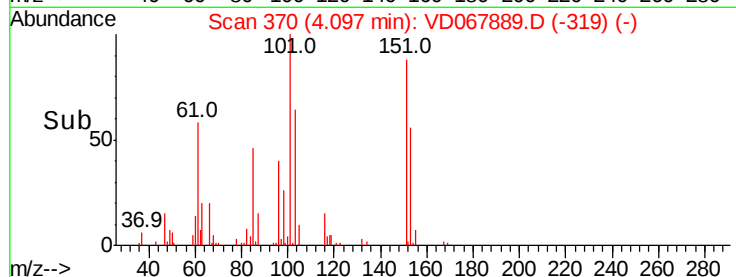
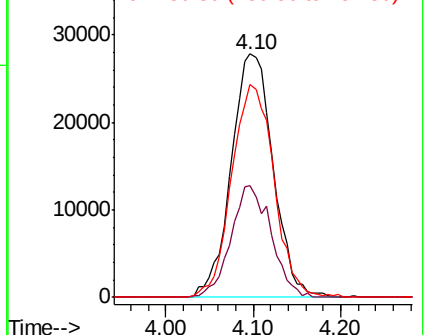
151 88.4 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.190 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

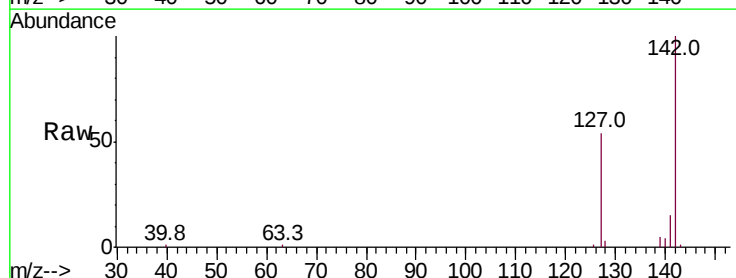
Tgt Ion:142 Resp: 89601

Ion Ratio Lower Upper

142 100

127 55.5 43.9 65.9

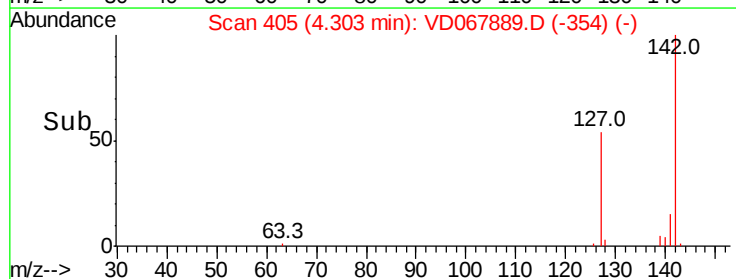
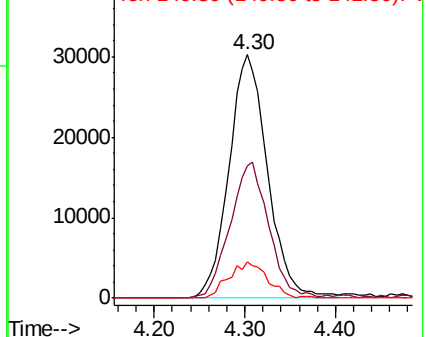
141 14.6 12.2 18.2

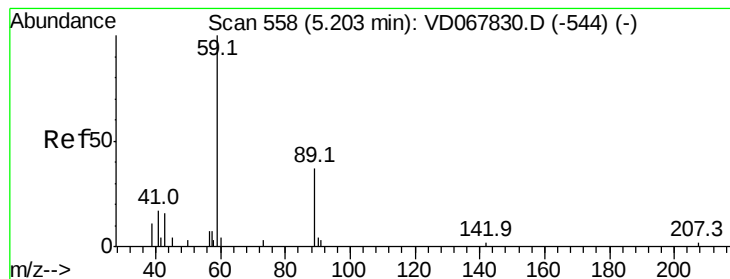


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



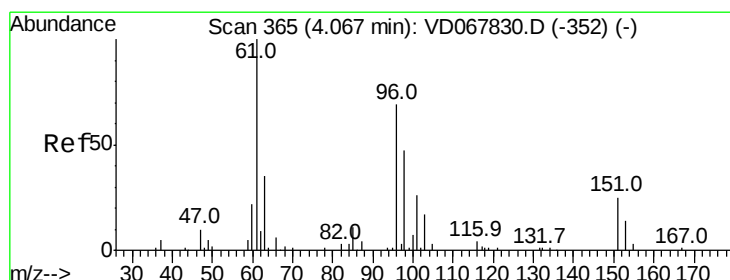
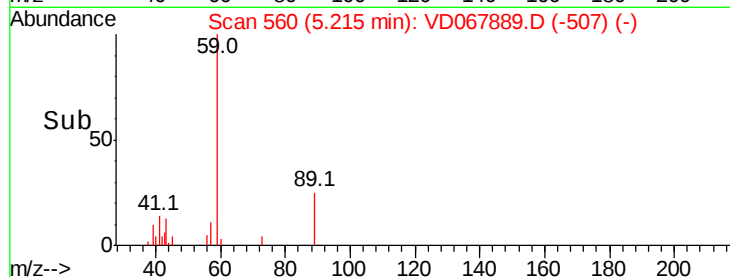
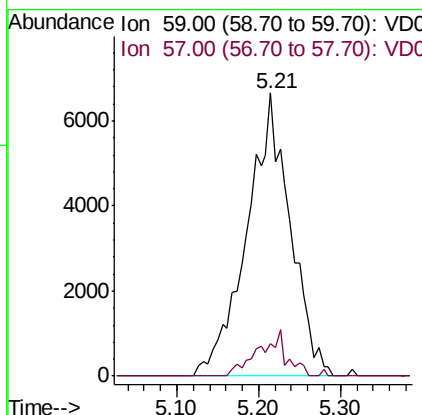
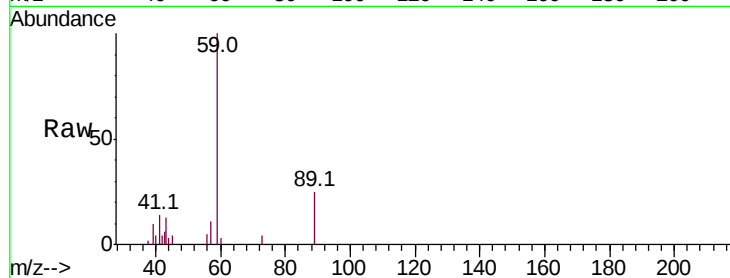


#11

Tert butyl alcohol
 Concen: 208.939 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

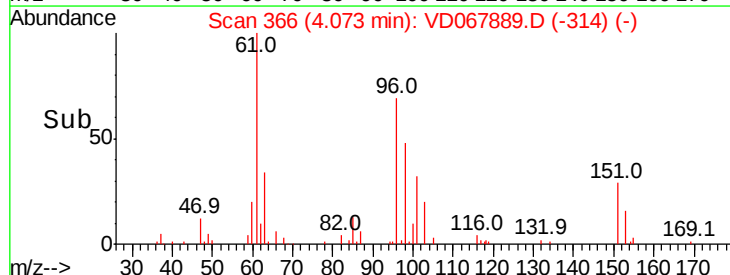
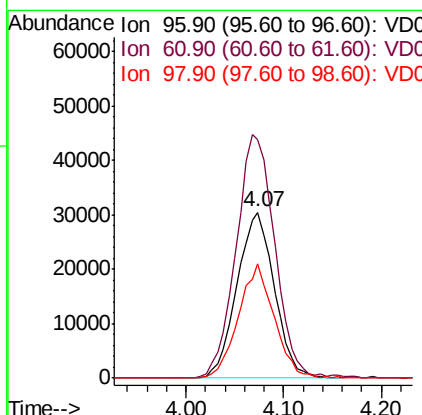
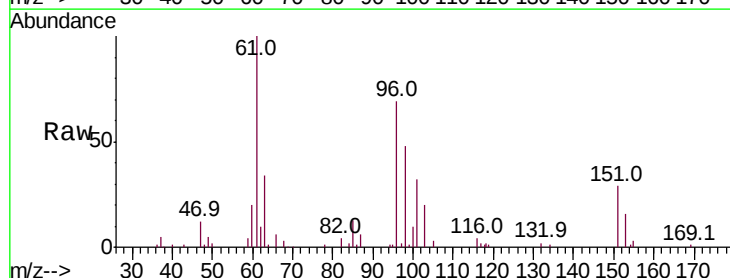
Tot Ion: 59 Resp: 24462
 Ion Ratio Lower Upper
 59 100
 57 5.7 7.7 11.5#

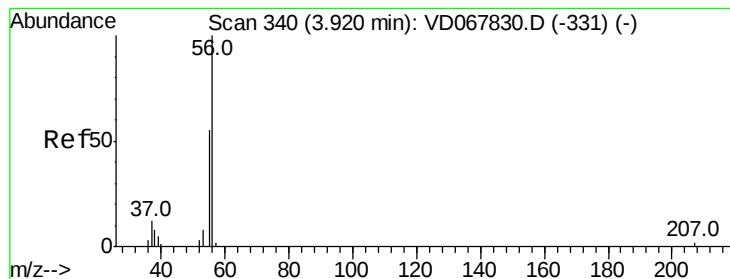


#12

1,1-Dichloroethene
 Concen: 48.420 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Tgt Ion: 96 Resp: 81431
 Ion Ratio Lower Upper
 96 100
 61 144.2 116.1 174.1
 98 68.8 54.6 82.0





#13

Acrolein

Concen: 229.494 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

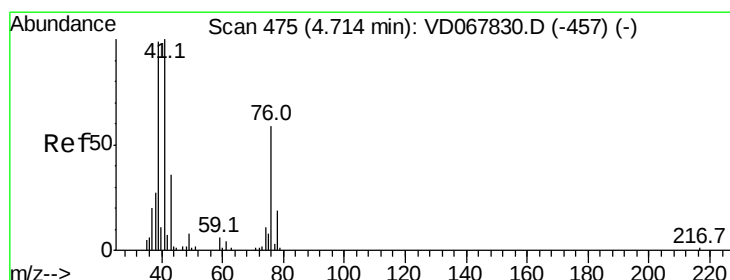
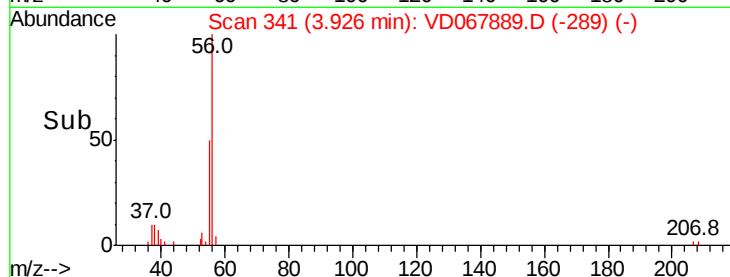
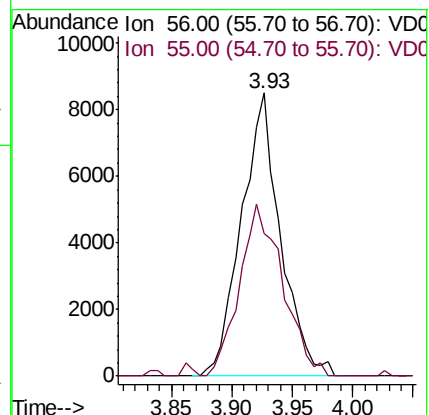
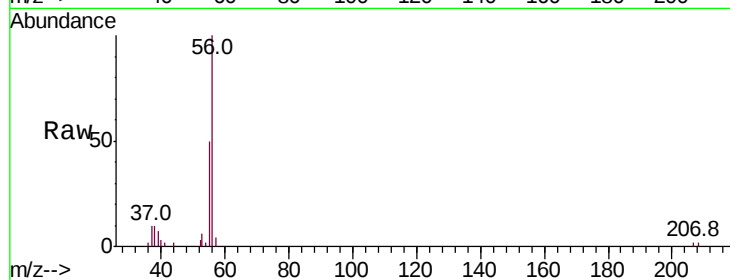
VSTDCCC050

Tot Ion: 56 Resp: 19215

Ion Ratio Lower Upper

56 100

55 66.8 56.5 84.7



#14

Allyl chloride

Concen: 46.732 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

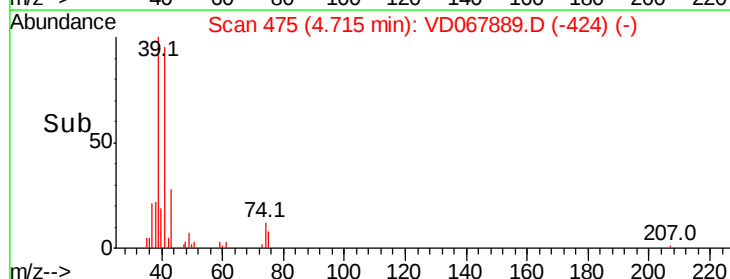
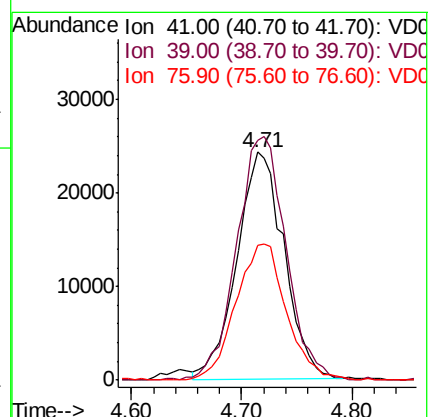
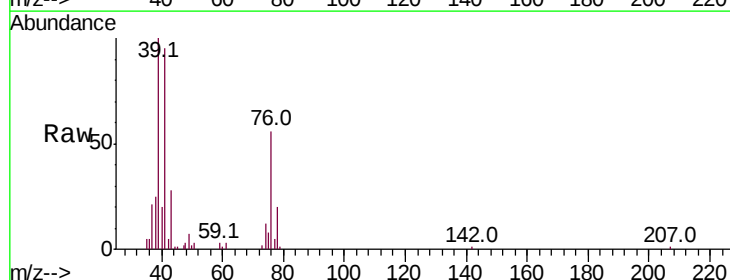
Tgt Ion: 41 Resp: 72706

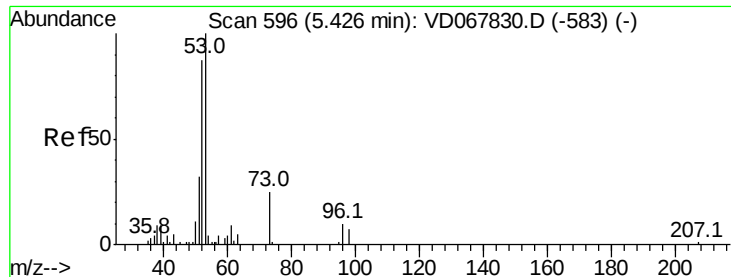
Ion Ratio Lower Upper

41 100

39 112.6 79.0 118.6

76 64.2 46.6 70.0





#15

Acrylonitrile

Concen: 231.415 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

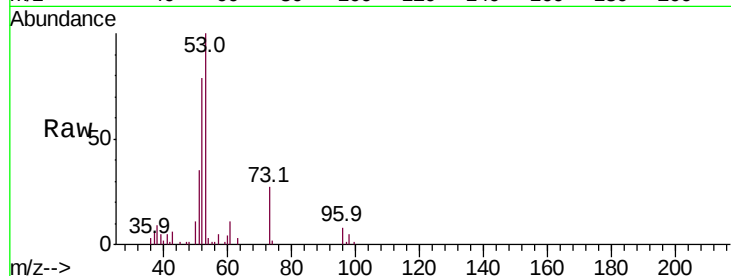
Tot Ion: 53 Resp: 61438

Ion Ratio Lower Upper

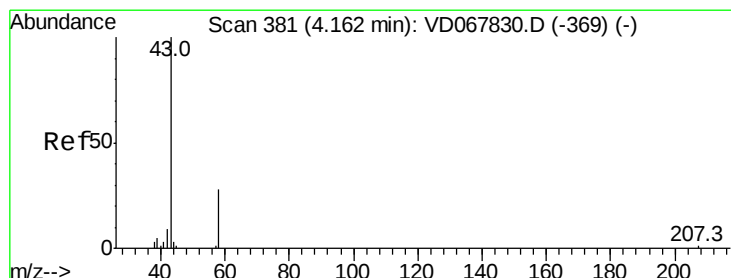
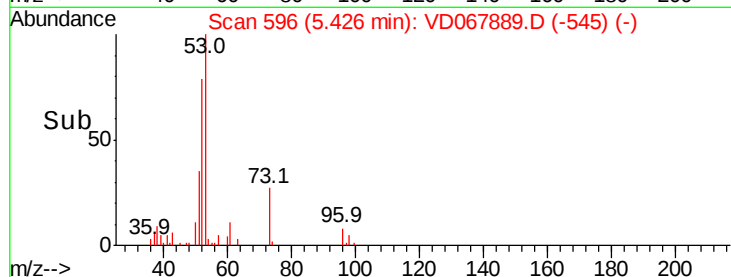
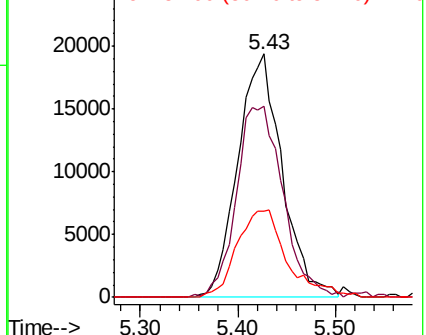
53 100

52 82.4 66.2 99.2

51 40.3 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 279.344 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067889.D

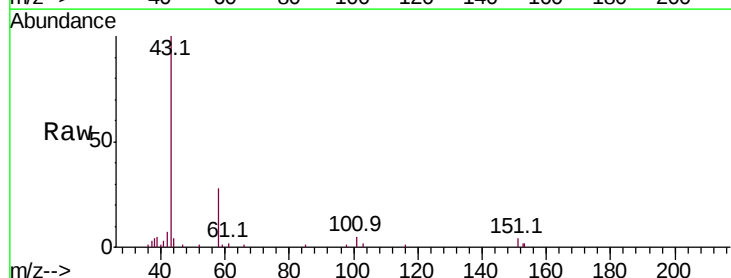
Acq: 07 Dec 2020 10:00

Tgt Ion: 43 Resp: 75208

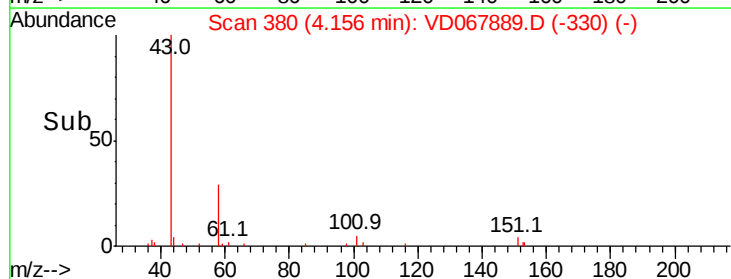
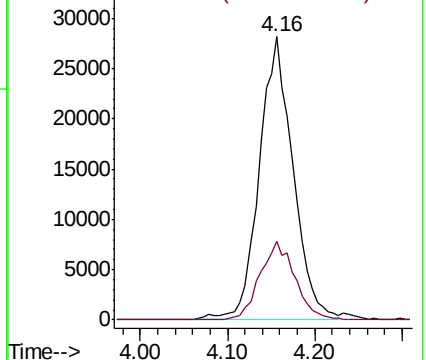
Ion Ratio Lower Upper

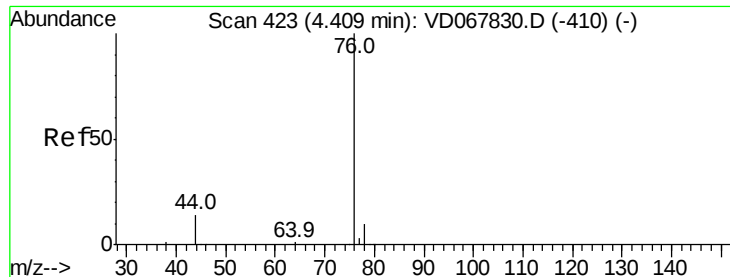
43 100

58 27.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

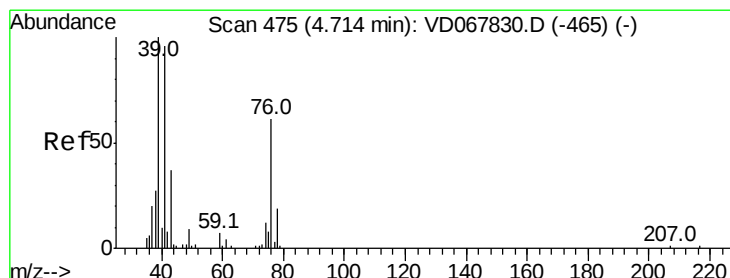
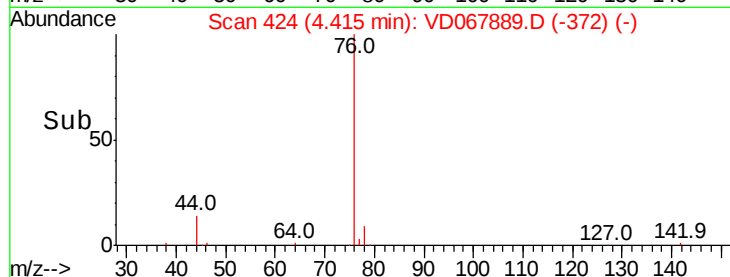
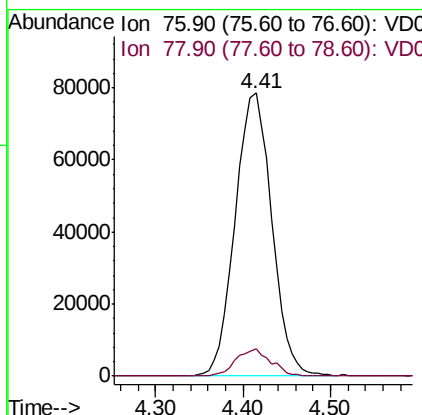
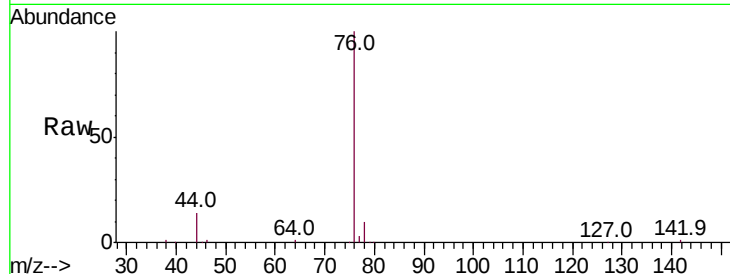




#17
Carbon Disulfide
Concen: 47.673 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

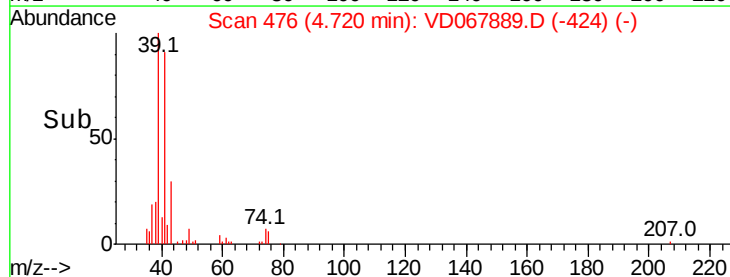
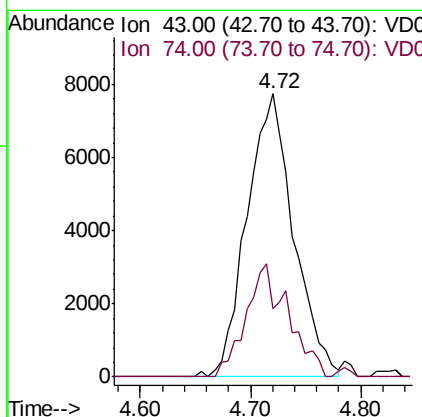
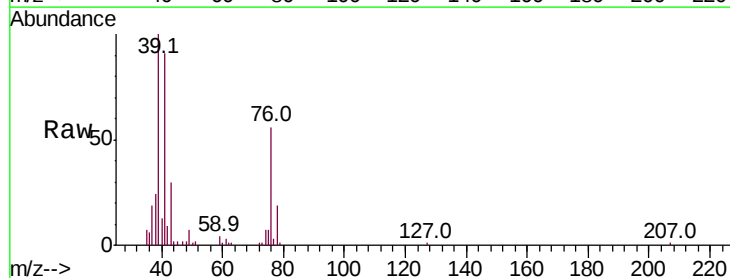
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

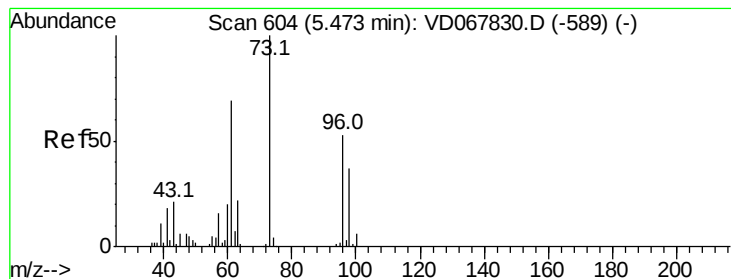
Tot Ion: 76 Resp: 223846
Ion Ratio Lower Upper
76 100
78 9.8 7.8 11.6



#18
Methyl Acetate
Concen: 45.262 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 43 Resp: 22904
Ion Ratio Lower Upper
43 100
74 36.0 27.0 40.4



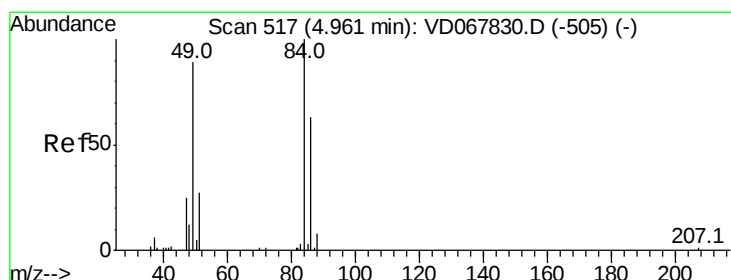
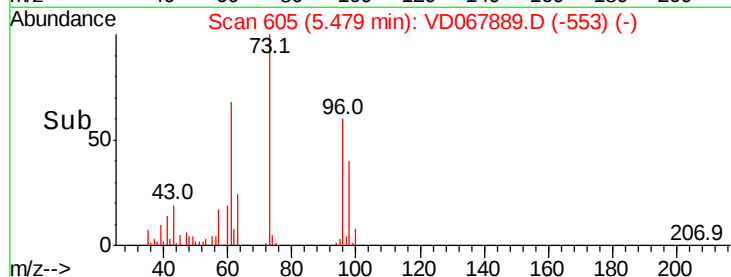
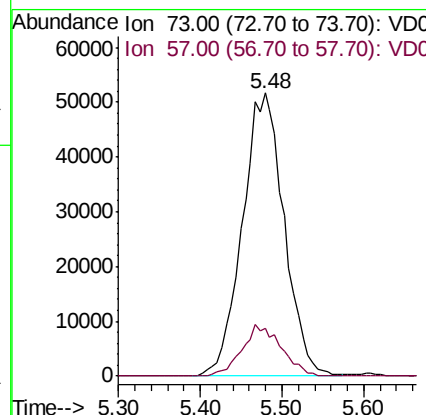
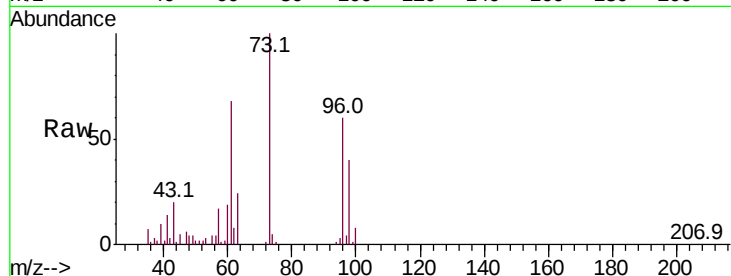


#19

Methyl tert-butyl Ether
 Concen: 50.757 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

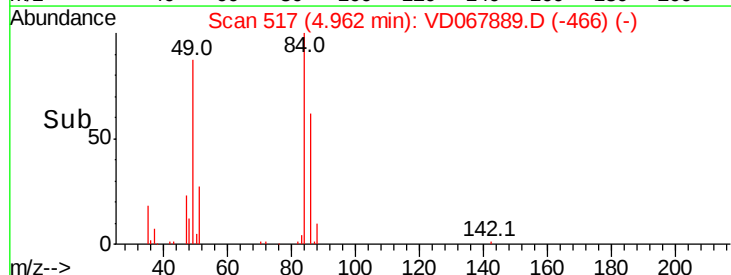
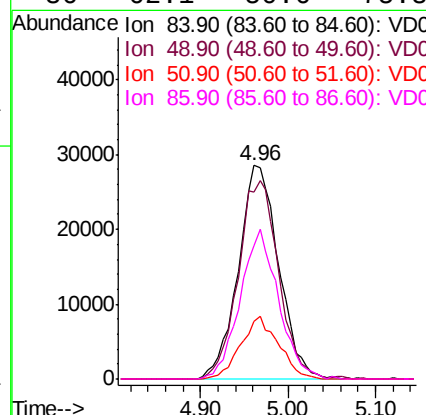
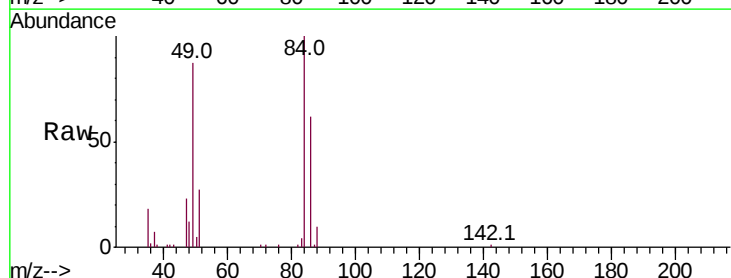
Tot Ion: 73 Resp: 182783
 Ion Ratio Lower Upper
 73 100
 57 16.9 13.2 19.8

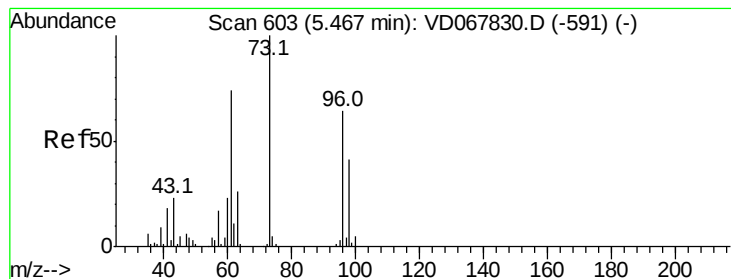


#20

Methylene Chloride
 Concen: 51.250 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Tgt Ion: 84 Resp: 89200
 Ion Ratio Lower Upper
 84 100
 49 87.4 71.4 107.0
 51 26.8 21.8 32.8
 86 62.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.854 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

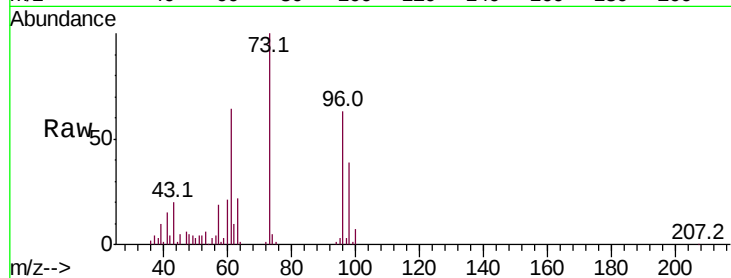
Tot Ion: 96 Resp: 95407

Ion Ratio Lower Upper

96 100

61 101.2 93.1 139.7

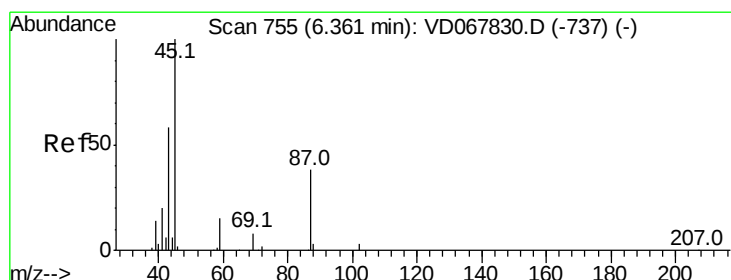
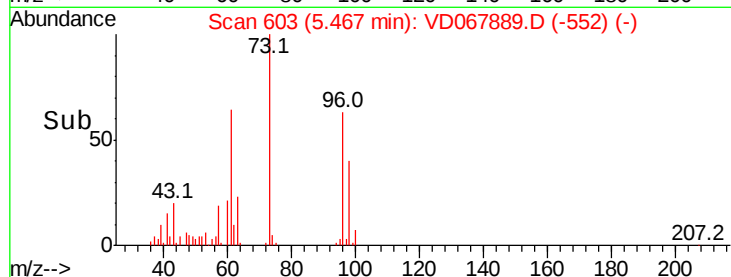
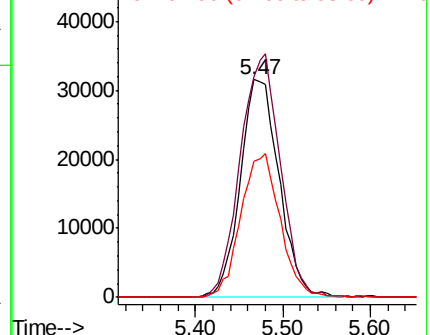
98 62.5 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.610 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Tgt Ion: 45 Resp: 148979

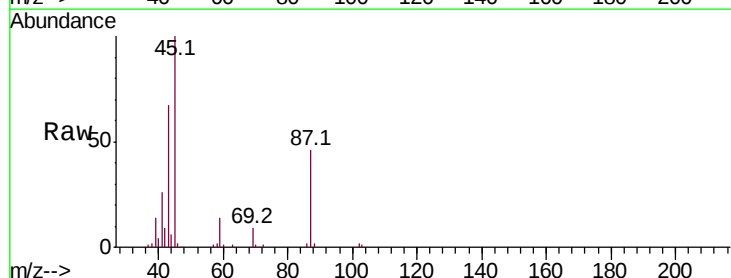
Ion Ratio Lower Upper

45 100

43 65.3 49.8 74.6

87 45.7 32.1 48.1

59 14.0 11.9 17.9

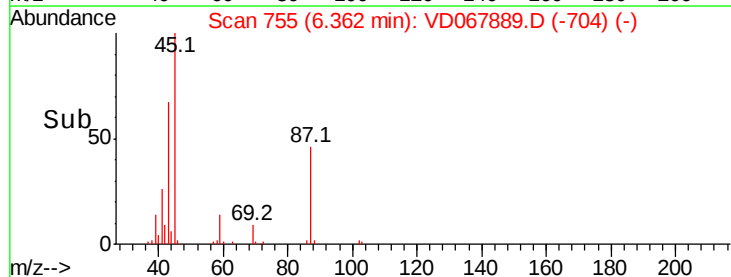
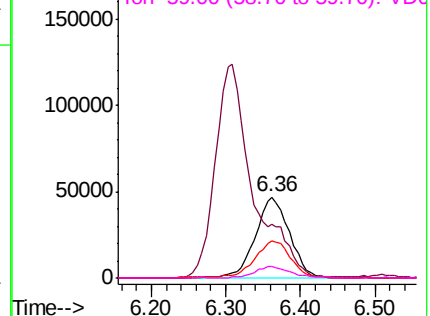


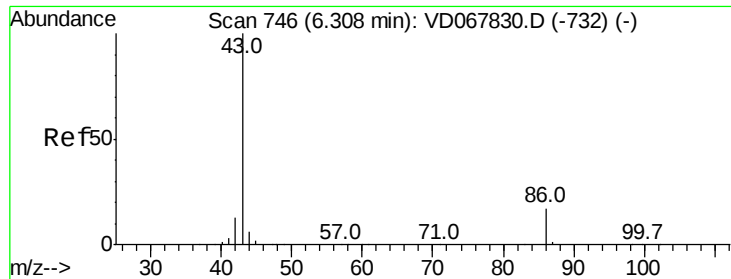
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 250.501 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

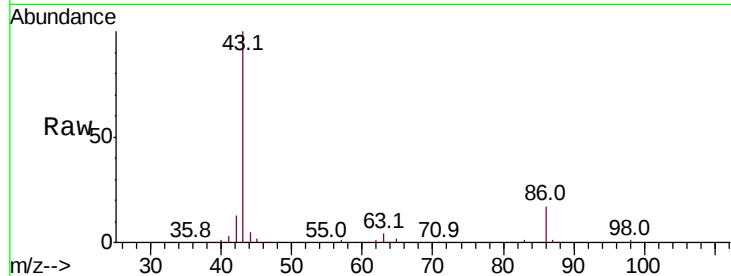
VSTDCCC050

Tot Ion: 43 Resp: 436069

Ion Ratio Lower Upper

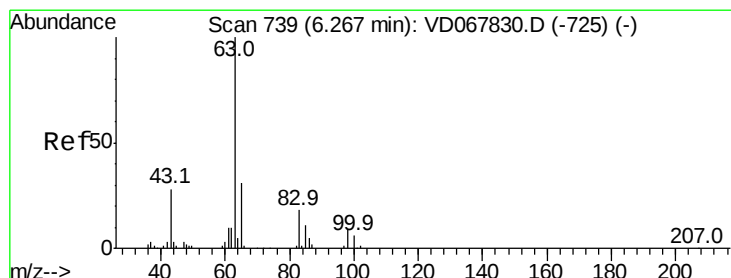
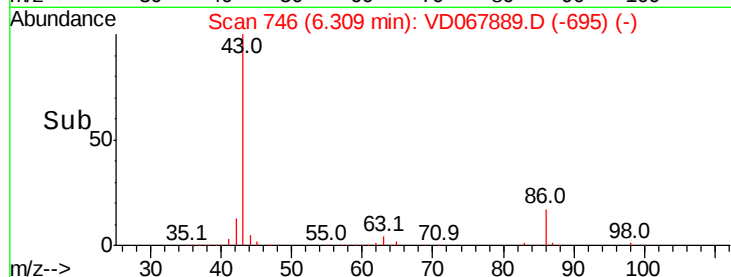
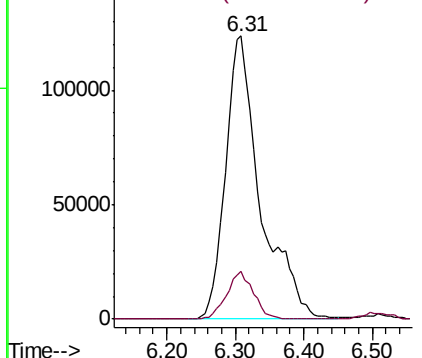
43 100

86 16.9 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.335 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

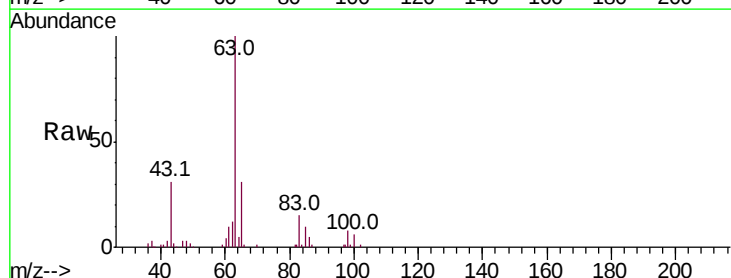
Tgt Ion: 63 Resp: 135325

Ion Ratio Lower Upper

63 100

98 7.9 4.5 13.5

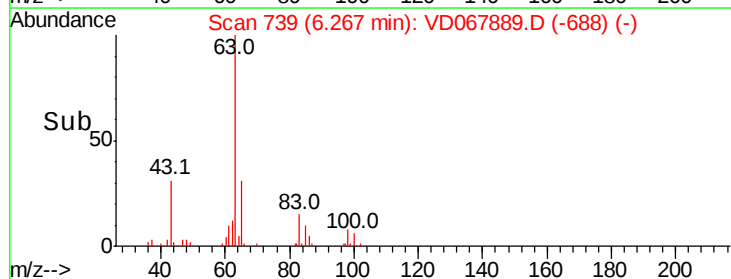
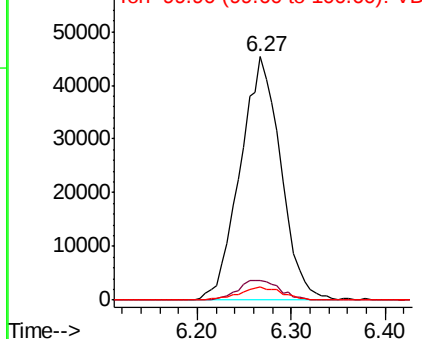
100 5.5 3.0 9.2

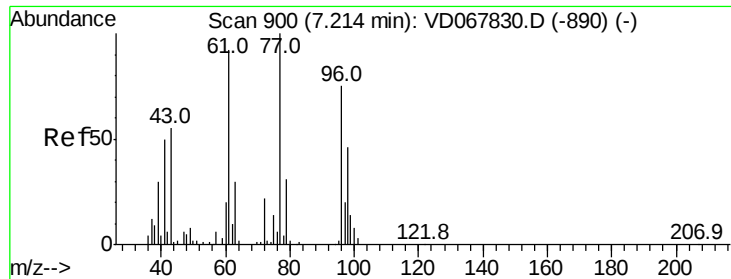


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 223.417 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

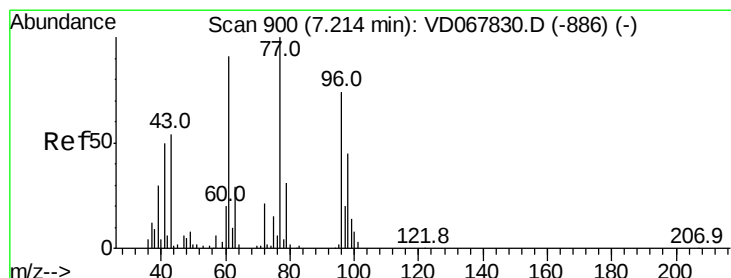
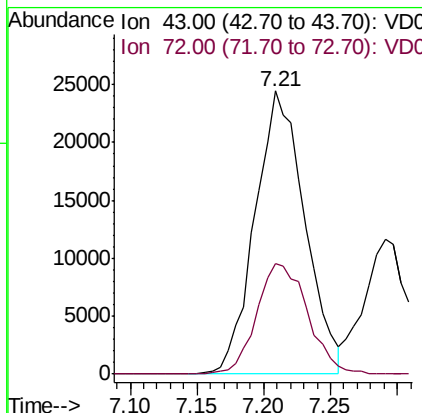
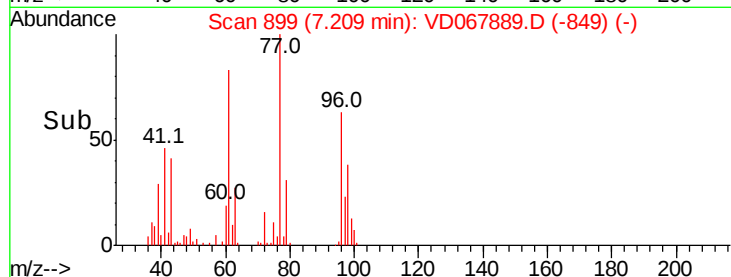
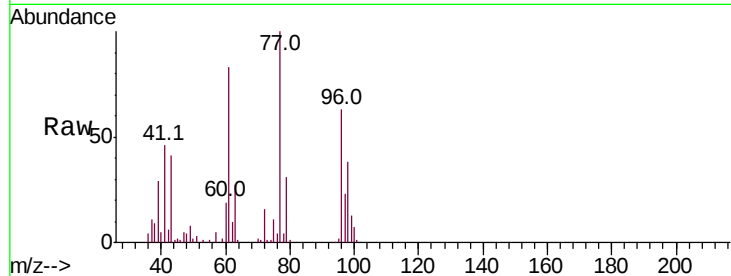
VSTDCCC050

Tot Ion: 43 Resp: 63267

Ion Ratio Lower Upper

43 100

72 39.0 31.3 46.9



#26

2,2-Dichloropropane

Concen: 52.912 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067889.D

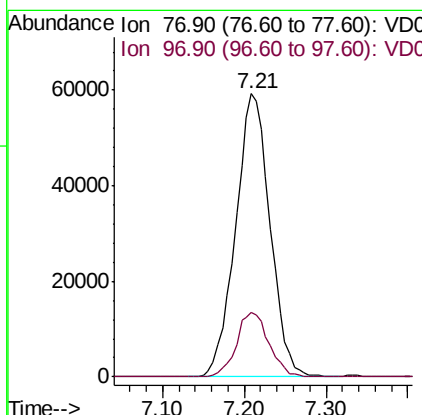
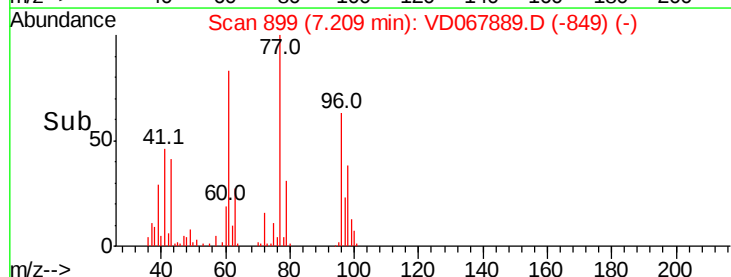
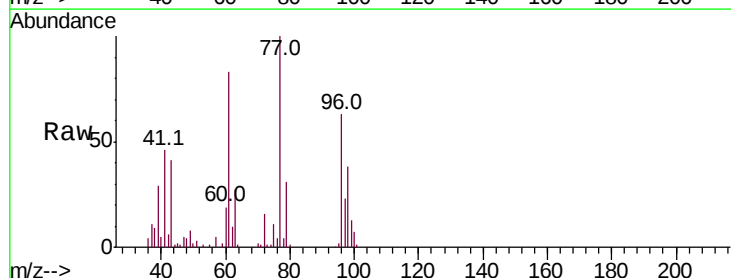
Acq: 07 Dec 2020 10:00

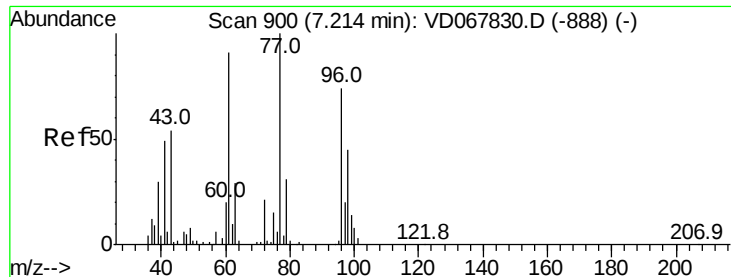
Tgt Ion: 77 Resp: 173073

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 48.847 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

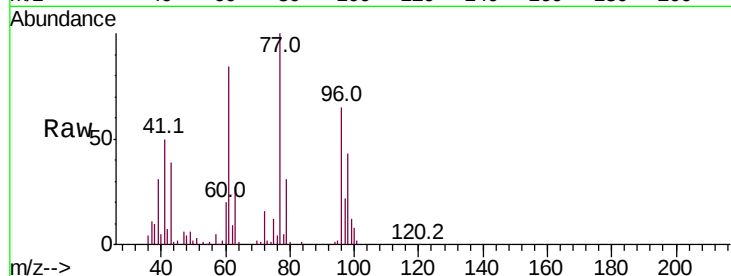
Tot Ion: 96 Resp: 102247

Ion Ratio Lower Upper

96 100

61 130.1 0.0 248.4

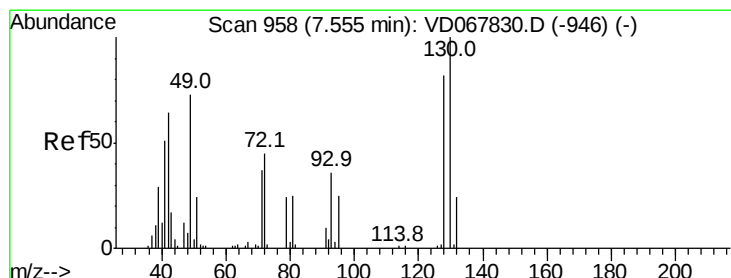
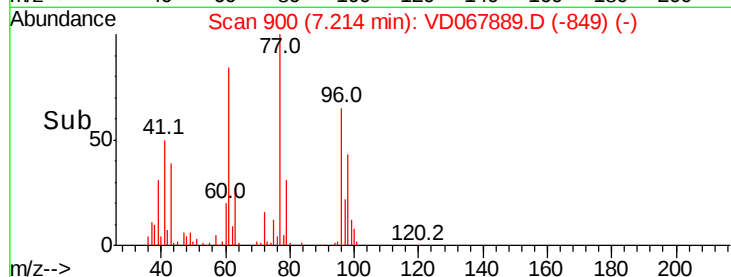
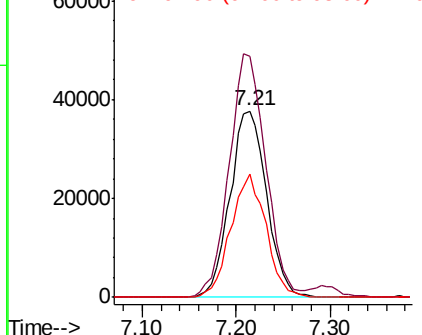
98 63.1 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 46.029 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

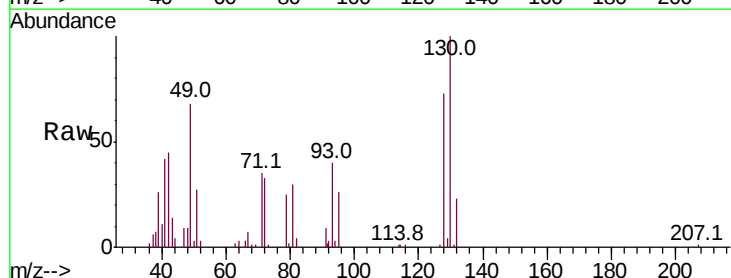
Tgt Ion: 49 Resp: 40086

Ion Ratio Lower Upper

49 100

129 3.9 0.0 3.4#

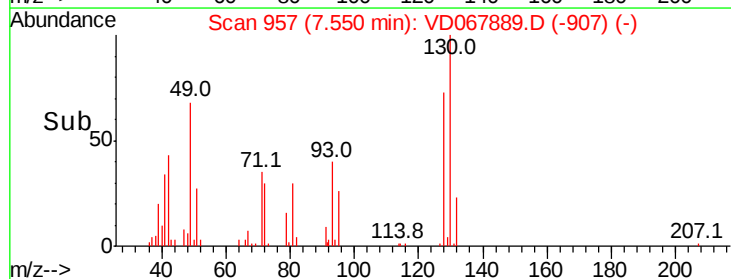
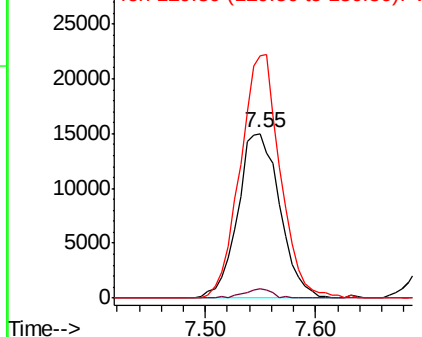
130 140.7 110.2 165.2

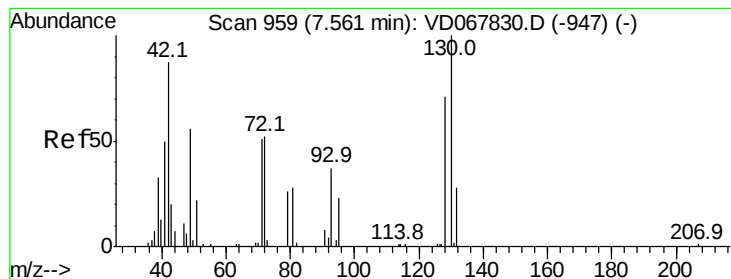


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 220.748 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

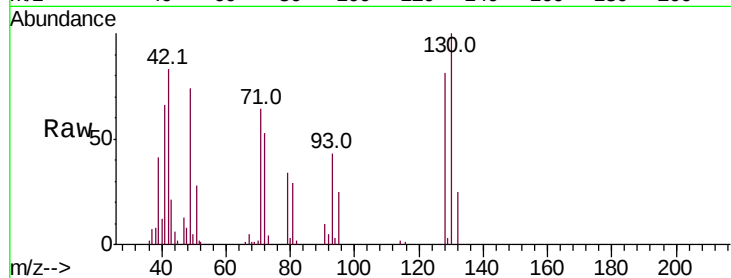
Tot Ion: 42 Resp: 35593

Ion Ratio Lower Upper

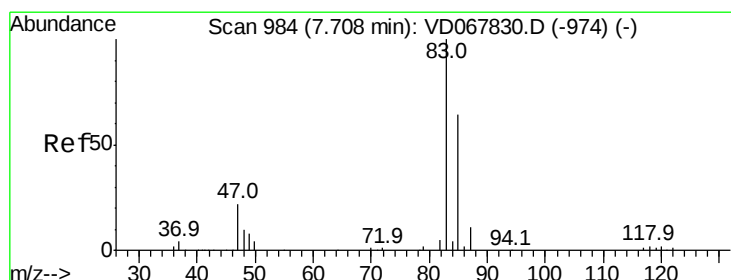
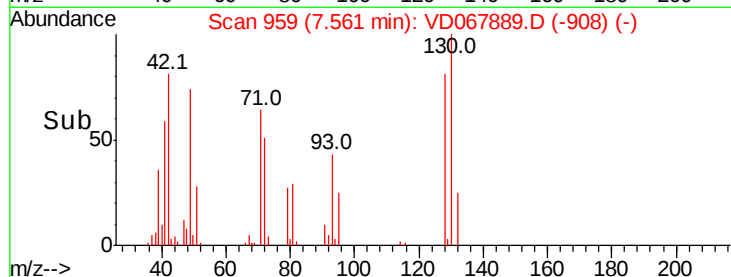
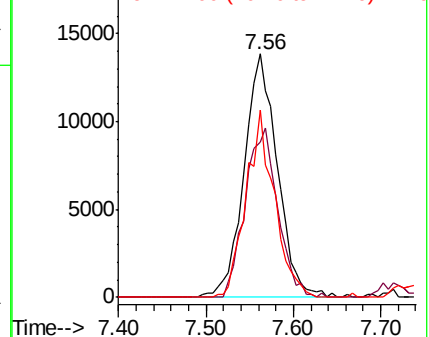
42 100

72 67.8 51.9 77.9

71 65.4 48.2 72.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.566 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067889.D

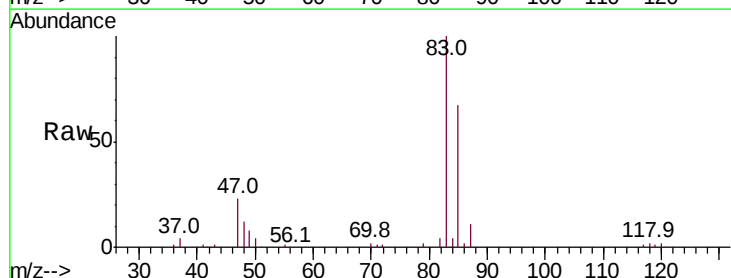
Acq: 07 Dec 2020 10:00

Tgt Ion: 83 Resp: 181696

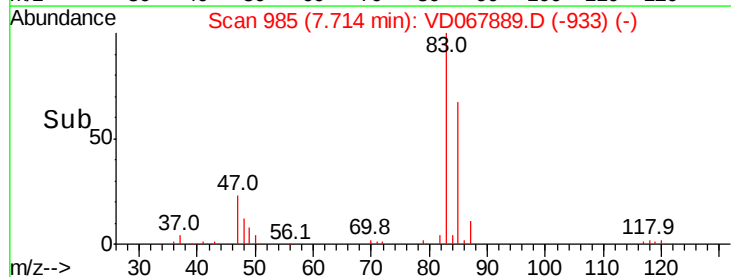
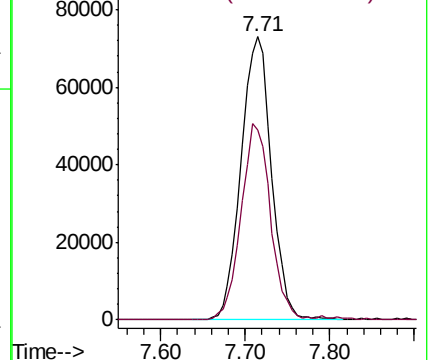
Ion Ratio Lower Upper

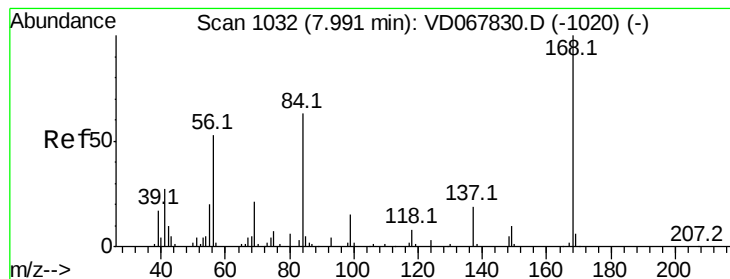
83 100

85 66.9 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 45.508 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

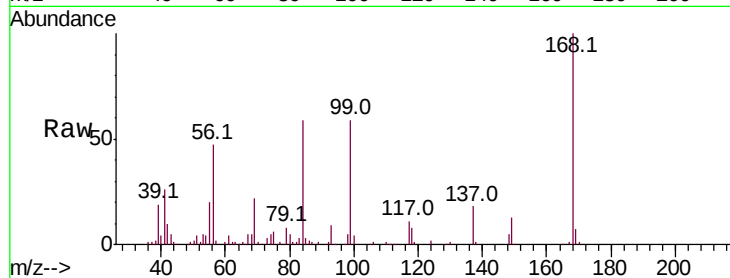
Tot Ion: 56 Resp: 104462

Ion Ratio Lower Upper

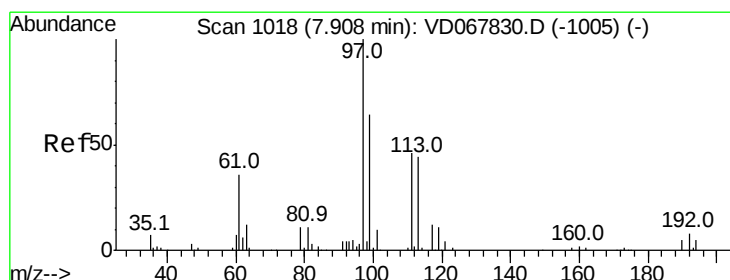
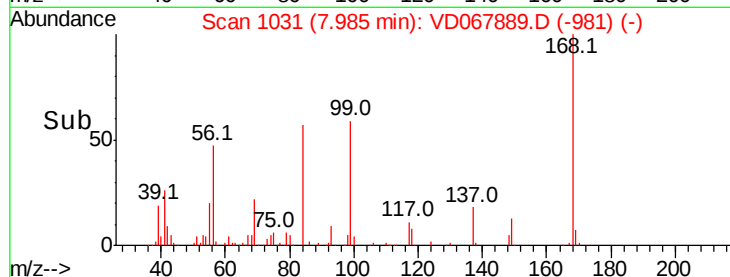
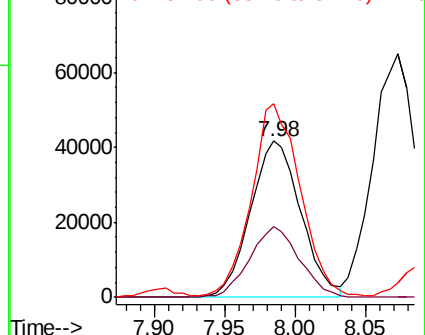
56 100

69 45.6 32.1 48.1

84 122.6 93.2 139.8



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 52.287 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

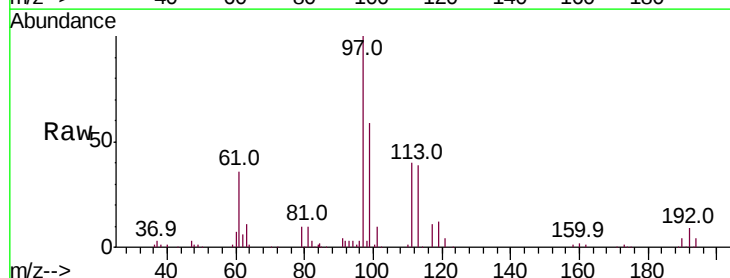
Tgt Ion: 97 Resp: 202329

Ion Ratio Lower Upper

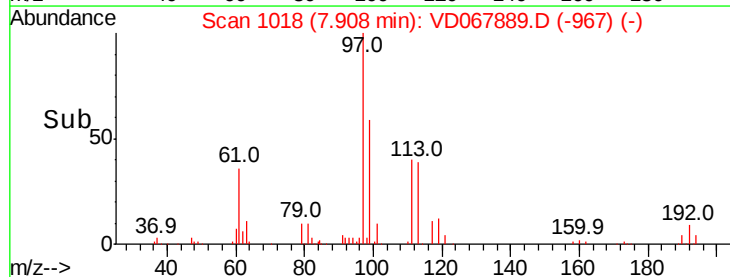
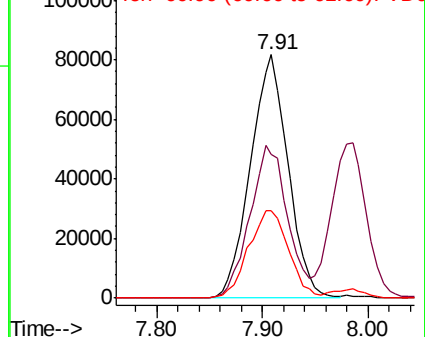
97 100

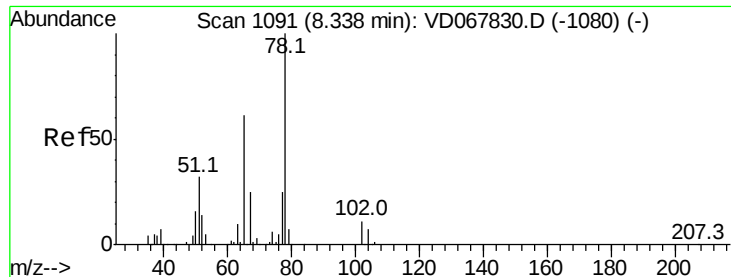
99 62.6 51.4 77.2

61 38.1 30.8 46.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.671 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

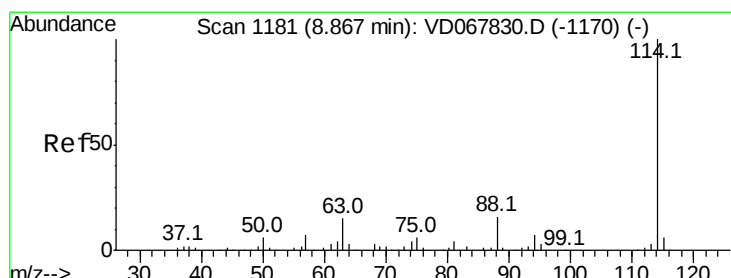
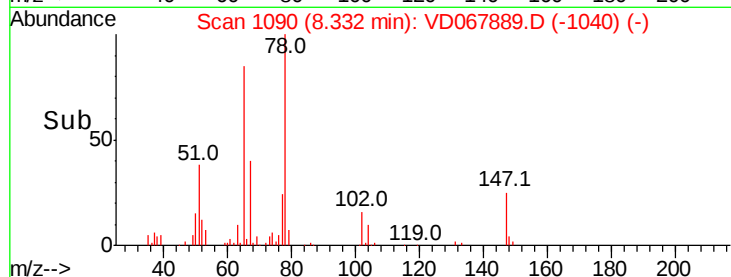
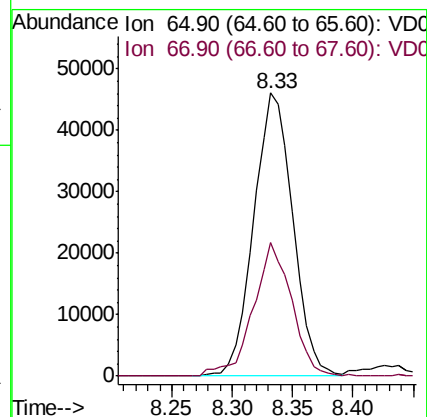
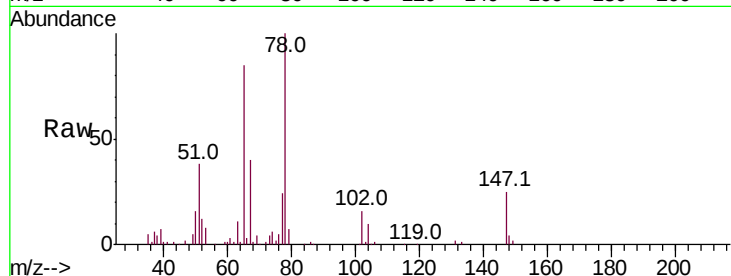
VSTDCCC050

Tot Ion: 65 Resp: 103864

Ion Ratio Lower Upper

65 100

67 46.3 0.0 92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

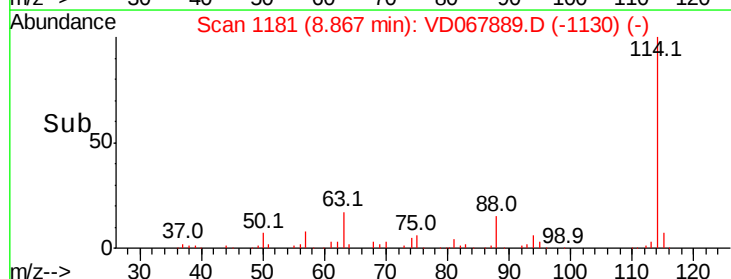
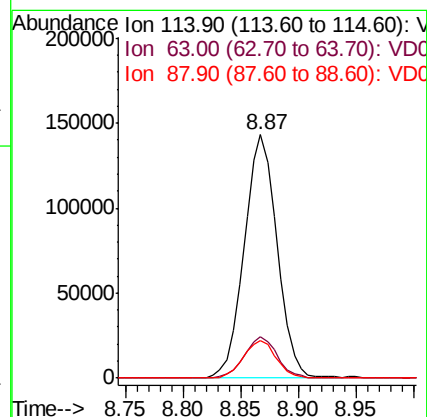
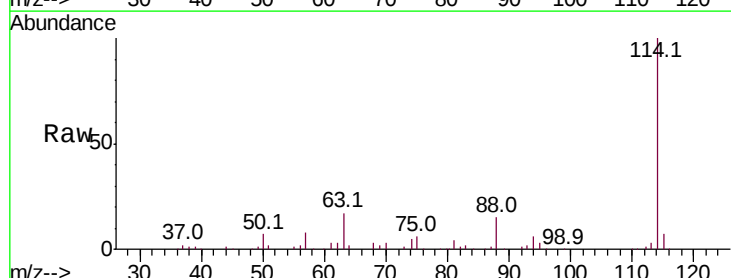
Tgt Ion:114 Resp: 284473

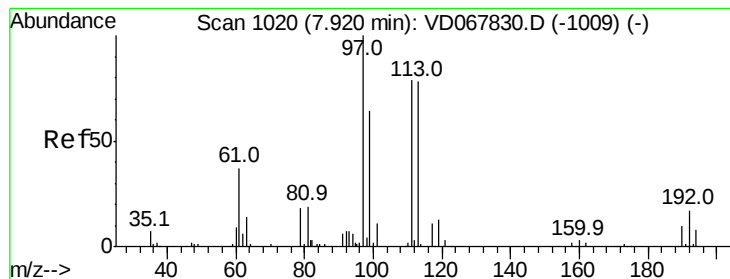
Ion Ratio Lower Upper

114 100

63 16.8 0.0 30.8

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.378 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

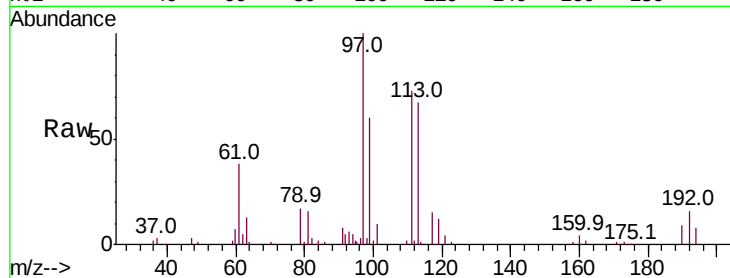
Tot Ion:113 Resp: 90186

Ion Ratio Lower Upper

113 100

111 105.3 81.2 121.8

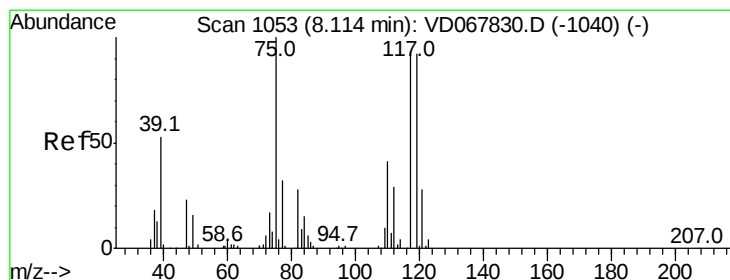
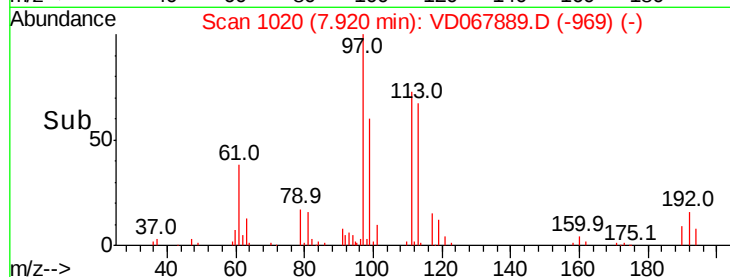
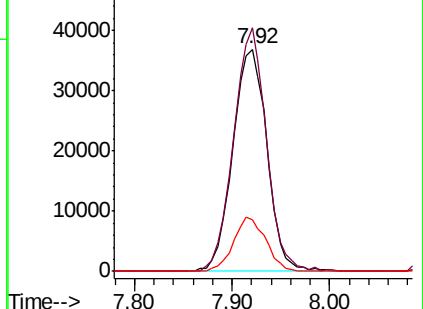
192 23.0 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.845 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

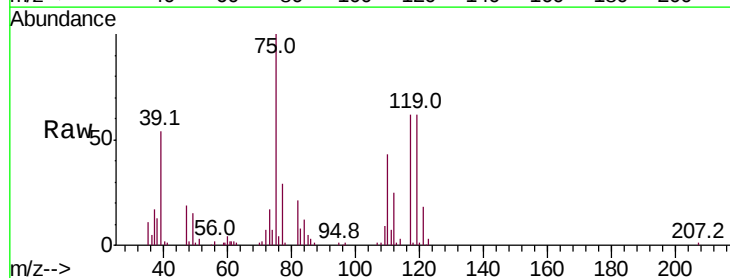
Tgt Ion: 75 Resp: 127676

Ion Ratio Lower Upper

75 100

110 40.2 20.3 61.0

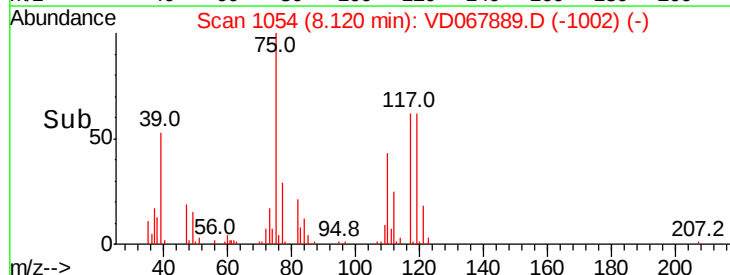
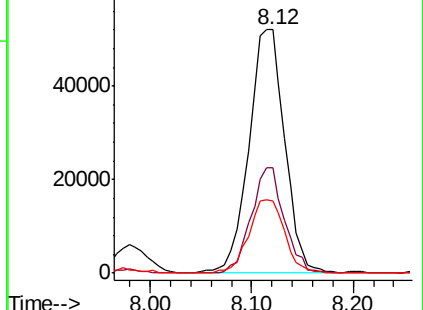
77 30.2 24.7 37.1

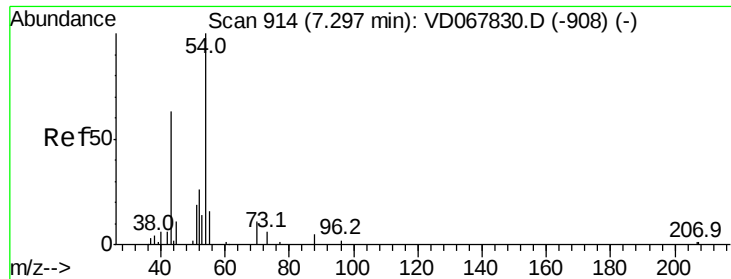


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

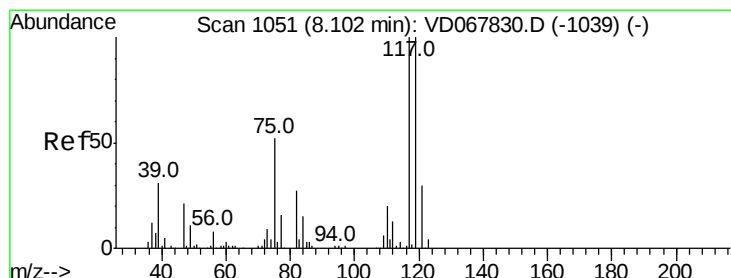
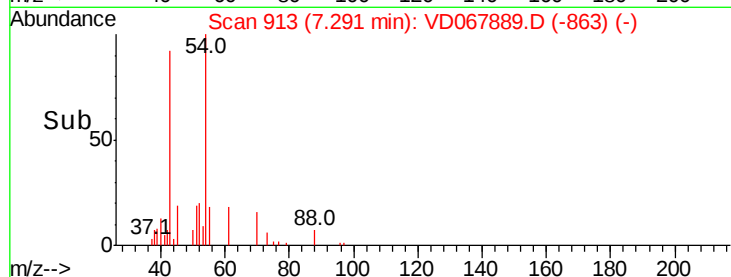
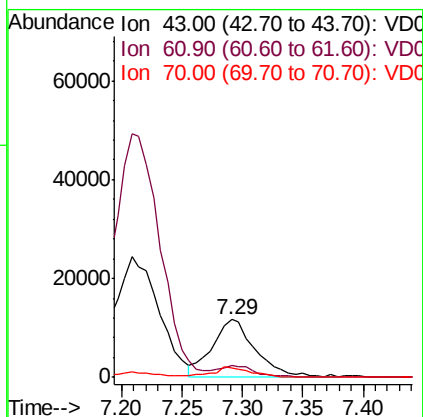
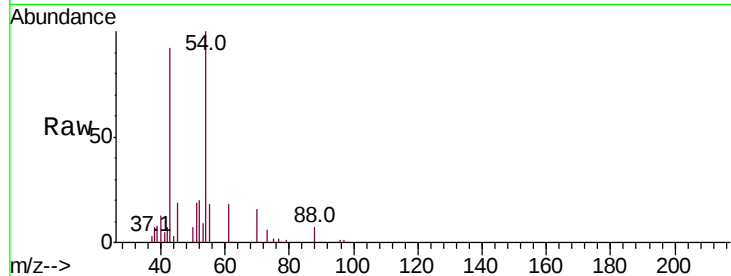




#37
Ethyl Acetate
Concen: 44.078 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

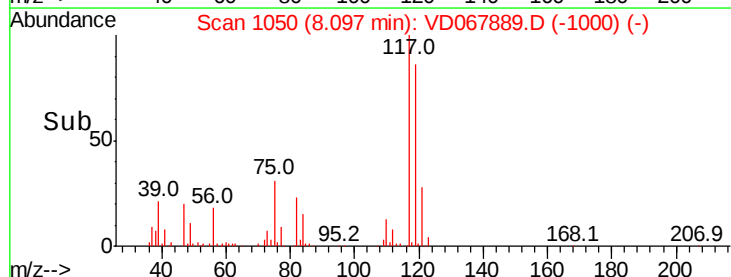
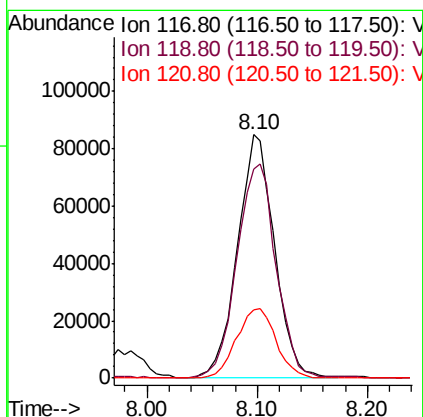
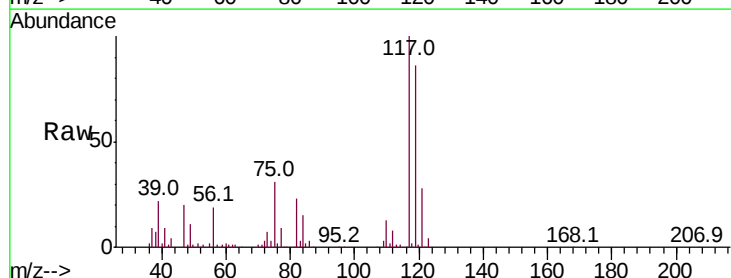
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

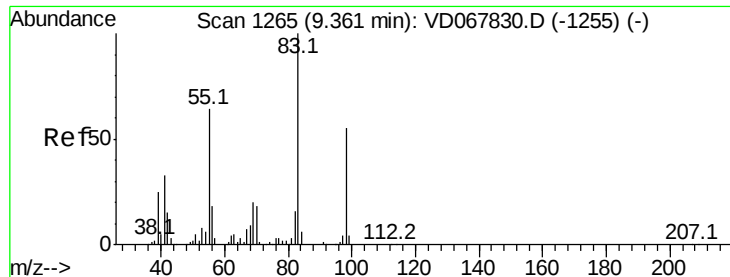
Tot Ion: 43 Resp: 29256
Ion Ratio Lower Upper
43 100
61 16.8 11.4 17.2
70 16.2 11.5 17.3



#38
Carbon Tetrachloride
Concen: 53.057 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 117 Resp: 197694
Ion Ratio Lower Upper
117 100
119 85.7 79.7 119.5
121 28.0 23.8 35.6

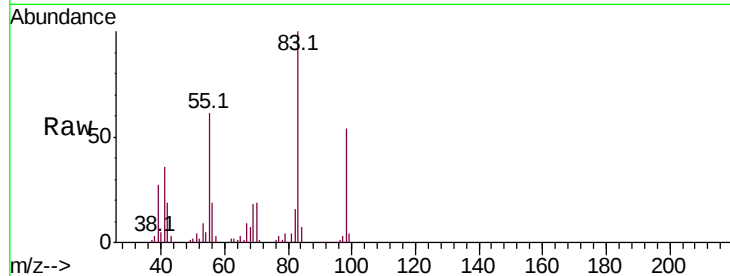




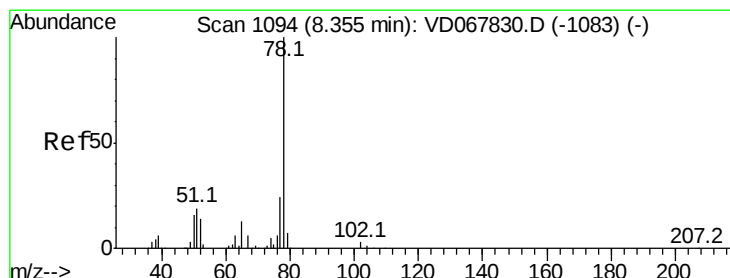
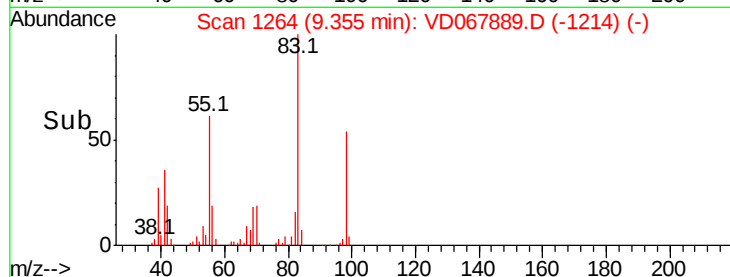
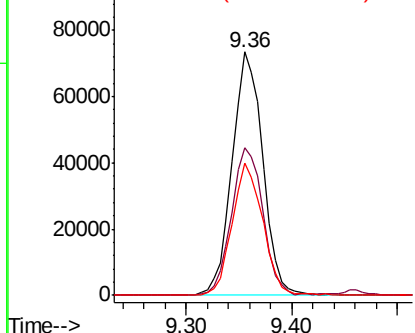
#39
Methvlcvclohexane
Concen: 50.470 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 147289
Ion Ratio Lower Upper
83 100
55 60.7 51.6 77.4
98 54.5 44.3 66.5

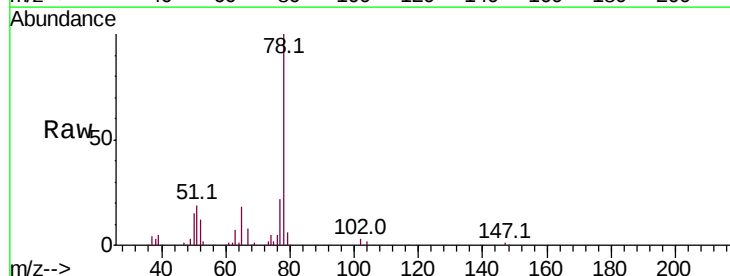


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

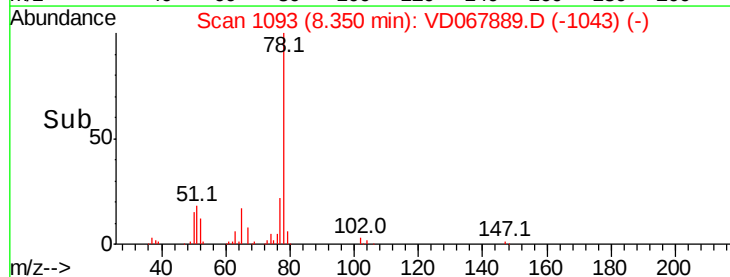
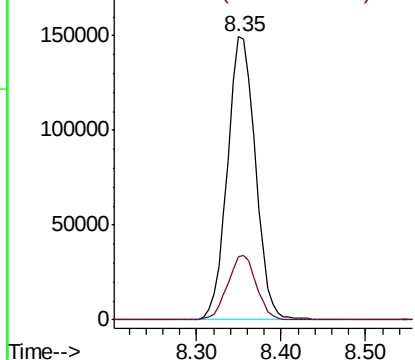


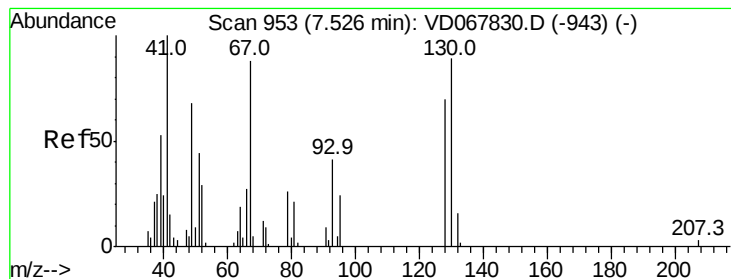
#40
Benzene
Concen: 50.688 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 78 Resp: 341560
Ion Ratio Lower Upper
78 100
77 22.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 49.824 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 15709

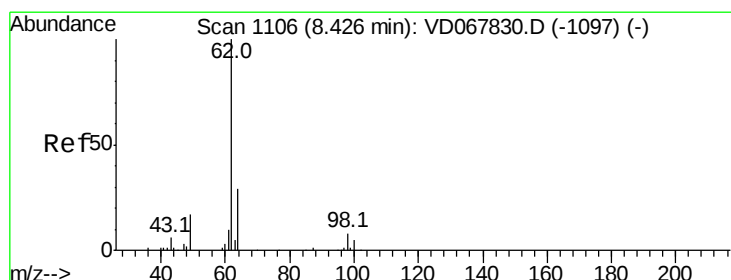
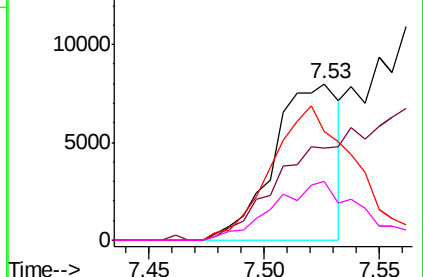
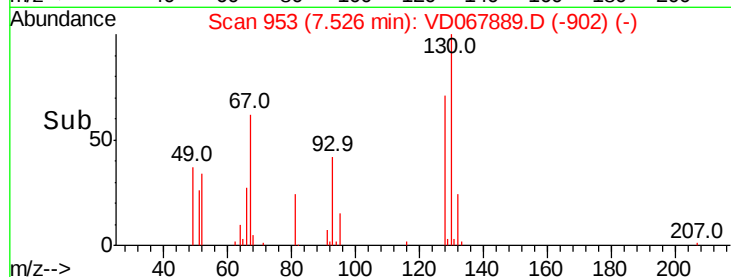
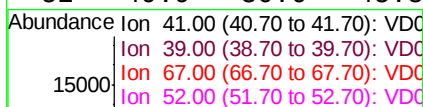
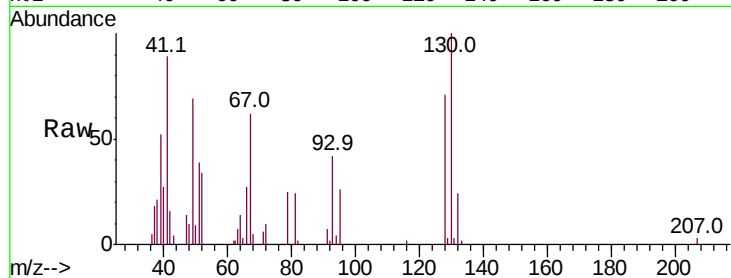
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 109.6 82.4 123.6

52 49.9 30.6 45.8#



#42

1,2-Dichloroethane

Concen: 51.096 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067889.D

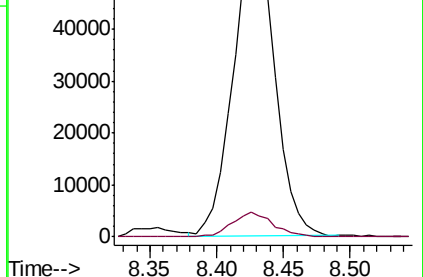
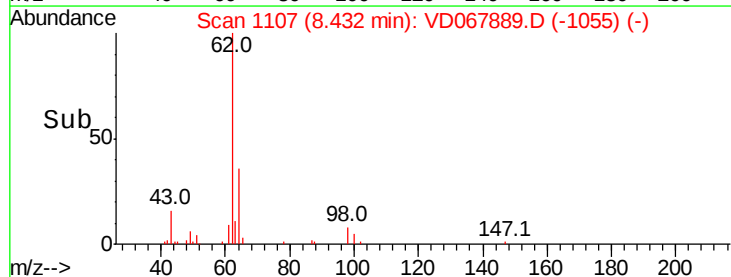
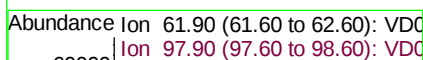
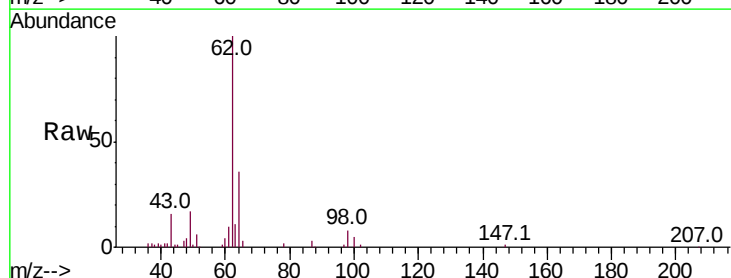
Acq: 07 Dec 2020 10:00

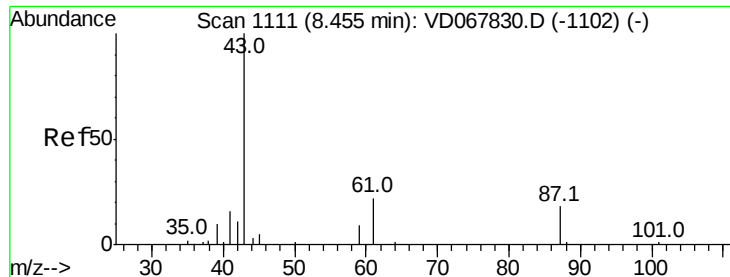
Tgt Ion: 62 Resp: 122715

Ion Ratio Lower Upper

62 100

98 8.3 0.0 17.2





#43

Isopropyl Acetate

Concen: 45.837 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

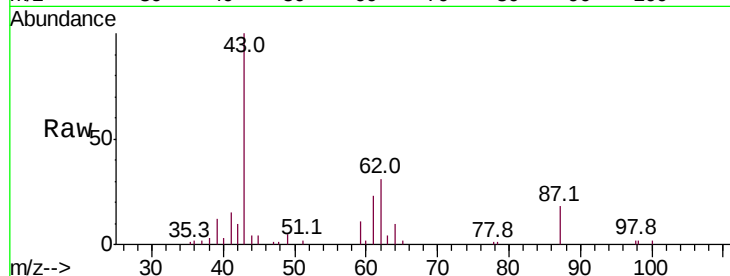
Tot Ion: 43 Resp: 59861

Ion Ratio Lower Upper

43 100

61 39.9 30.4 45.6

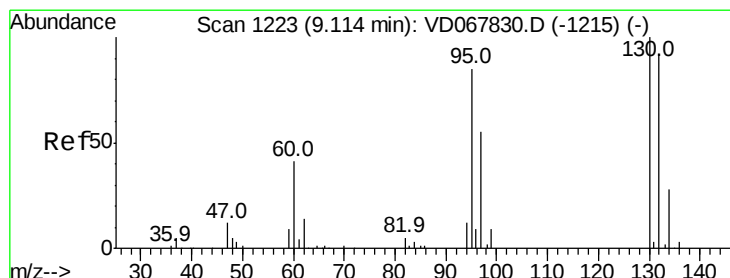
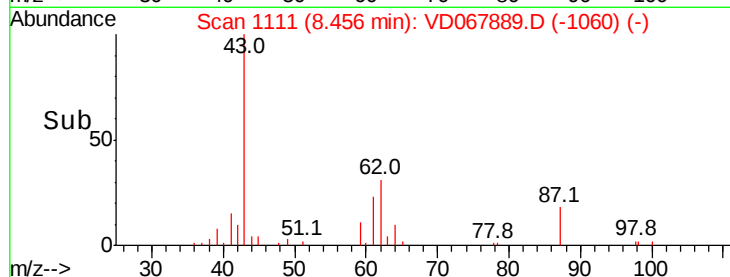
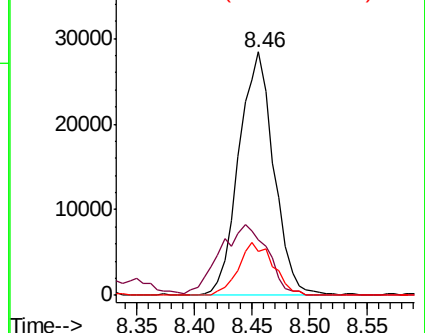
87 21.5 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.762 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067889.D

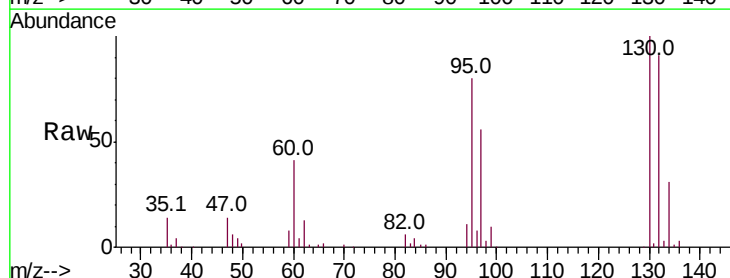
Acq: 07 Dec 2020 10:00

Tgt Ion:130 Resp: 119923

Ion Ratio Lower Upper

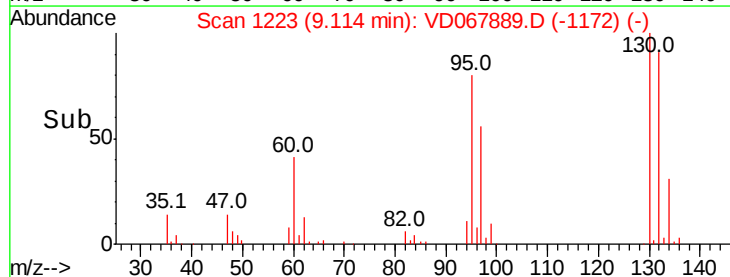
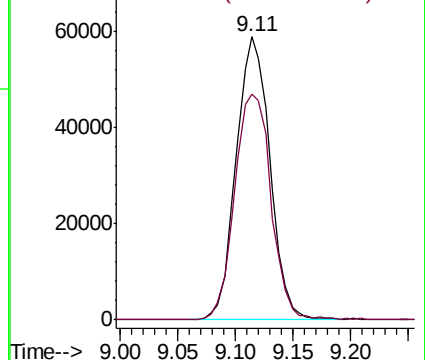
130 100

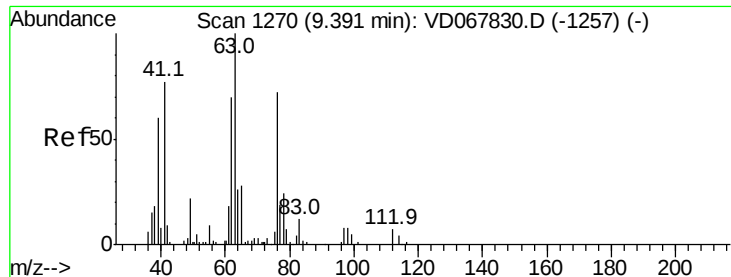
95 79.7 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.526 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

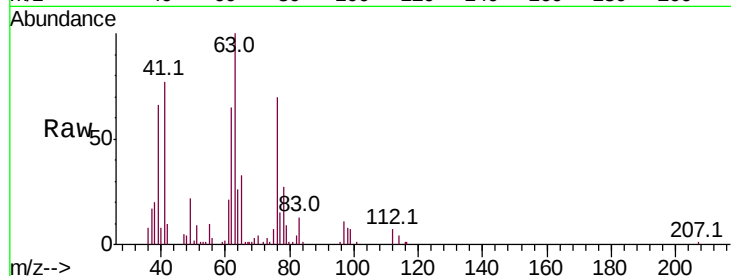
VSTDCCC050

Tot Ion: 63 Resp: 65731

Ion Ratio Lower Upper

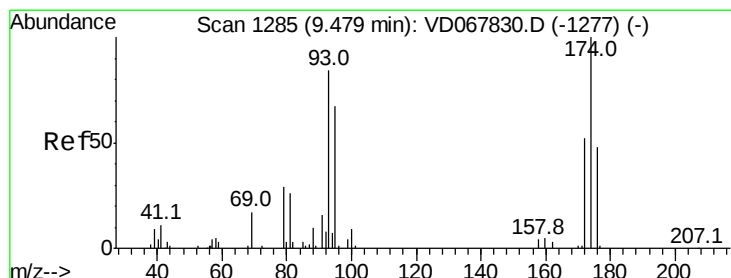
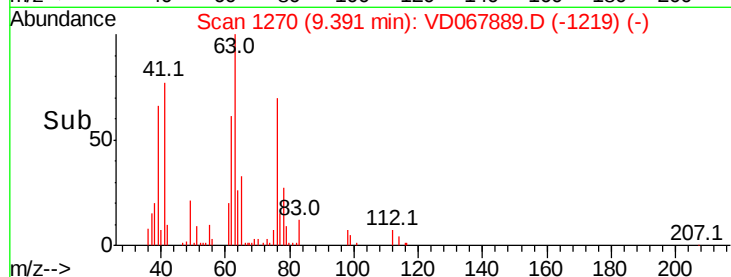
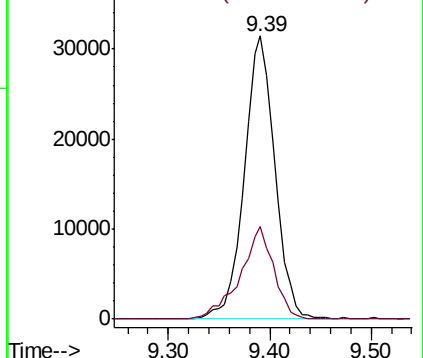
63 100

65 32.9 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.823 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

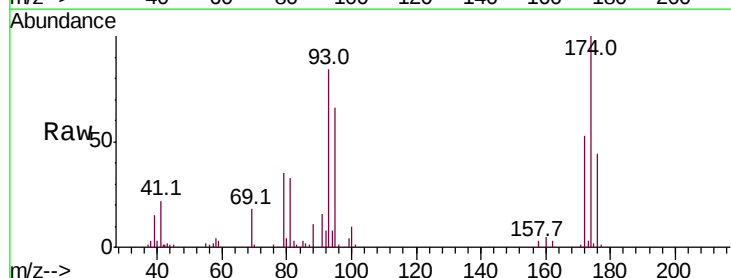
Tgt Ion: 93 Resp: 46948

Ion Ratio Lower Upper

93 100

95 82.4 64.2 96.4

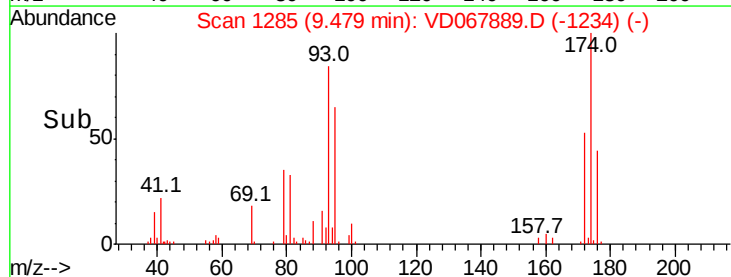
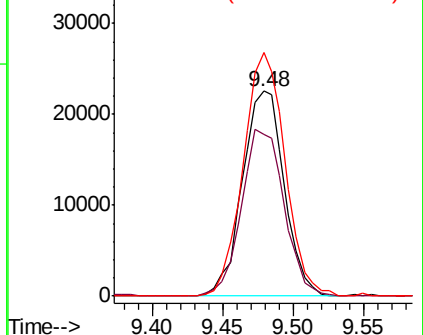
174 118.4 91.5 137.3

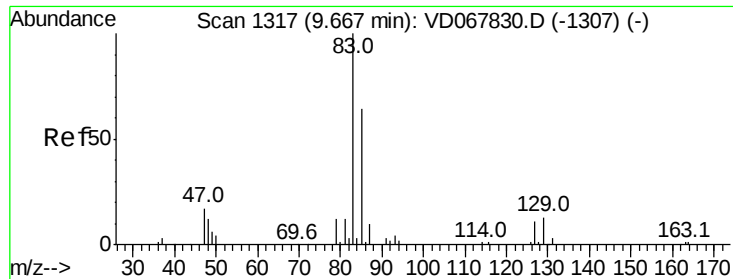


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

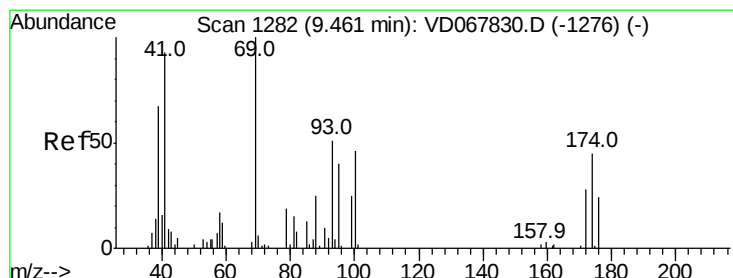
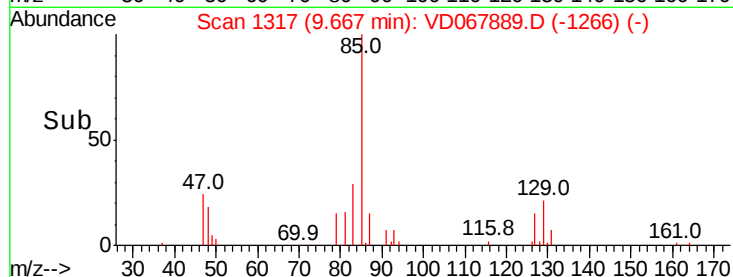
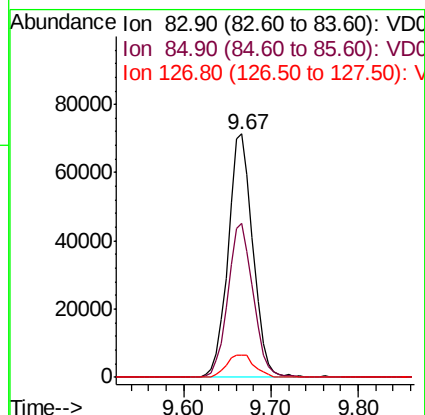
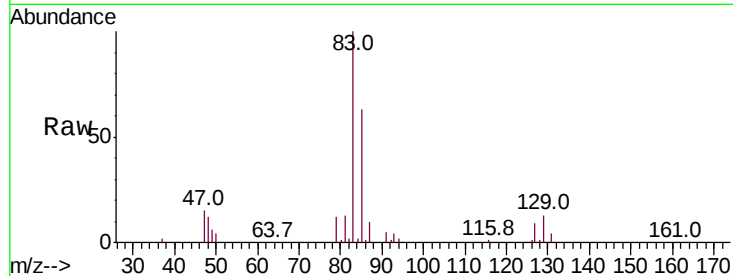




#47
Bromodichloromethane
Concen: 50.388 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

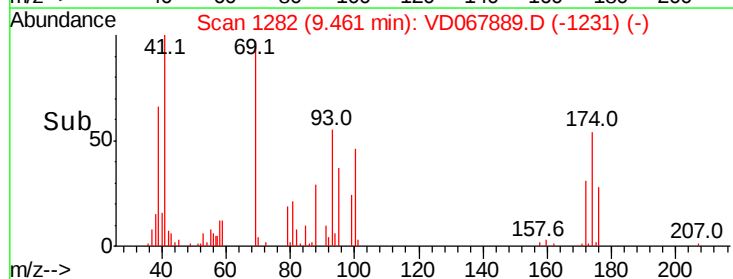
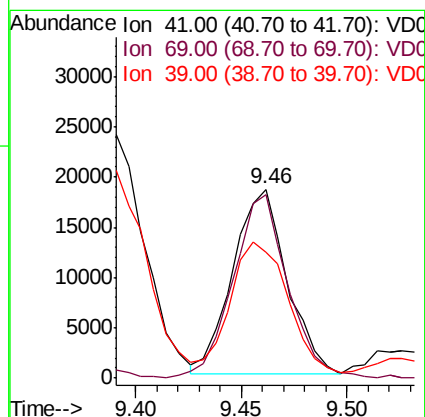
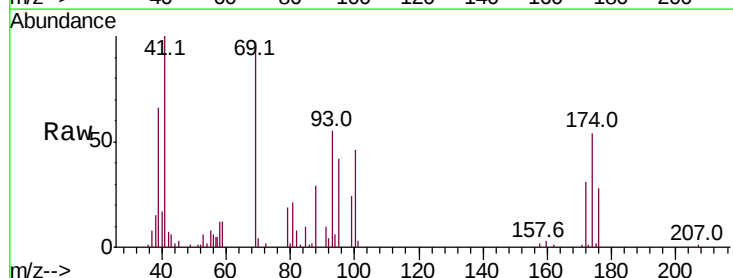
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

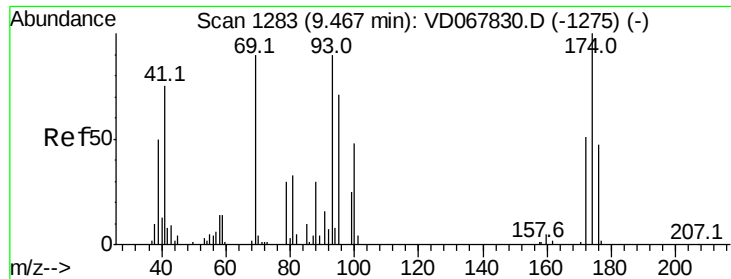
Tot Ion: 83 Resp: 138133
Ion Ratio Lower Upper
83 100
85 63.1 51.4 77.0
127 9.3 8.5 12.7



#48
Methyl methacrylate
Concen: 49.069 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 41 Resp: 32540
Ion Ratio Lower Upper
41 100
69 101.2 87.6 131.4
39 75.6 61.2 91.8





#49

1,4-Dioxane

Concen: 962.891 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

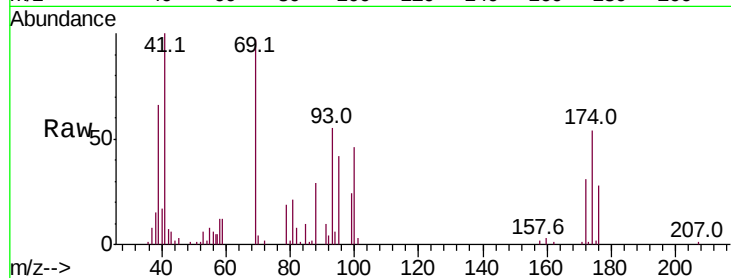
Tot Ion: 88 Resp: 10580

Ion Ratio Lower Upper

88 100

43 25.6 30.1 45.1#

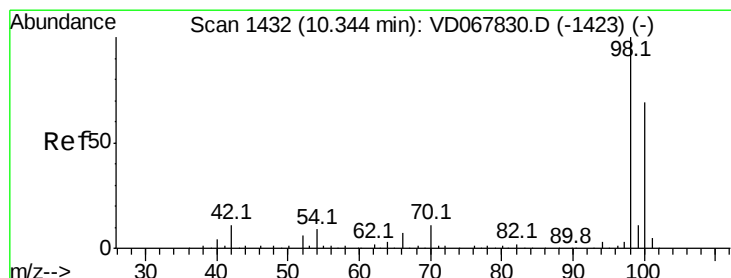
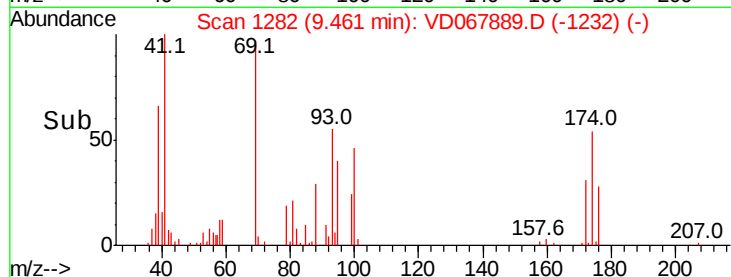
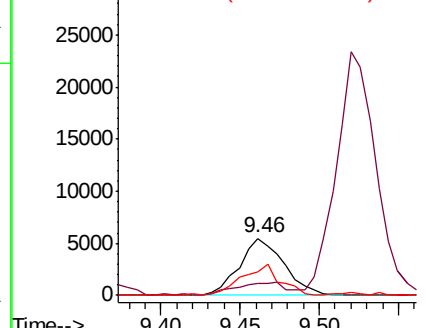
58 47.4 42.4 63.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.452 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067889.D

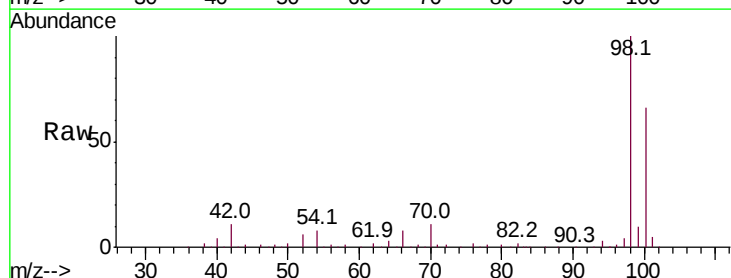
Acq: 07 Dec 2020 10:00

Tgt Ion: 98 Resp: 332011

Ion Ratio Lower Upper

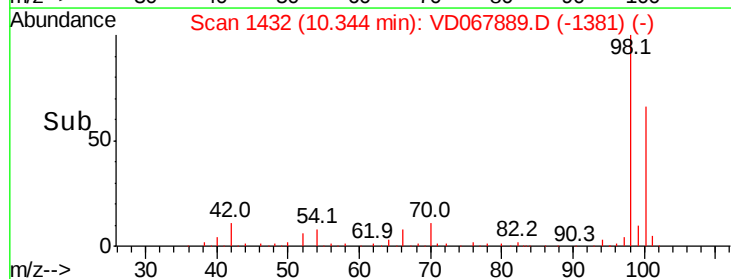
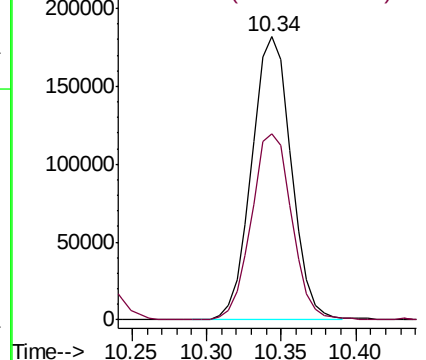
98 100

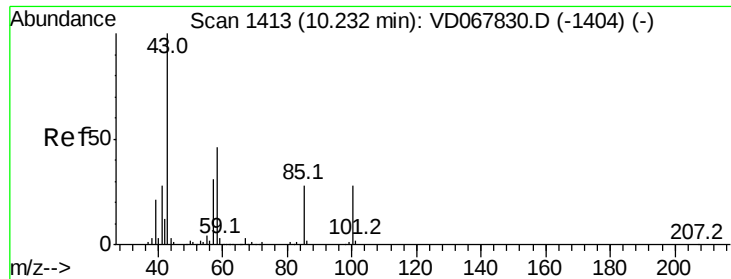
100 67.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 231.611 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

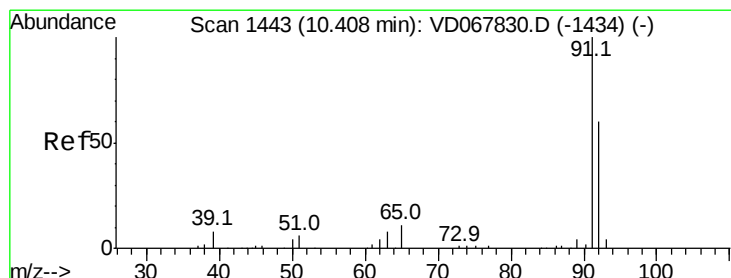
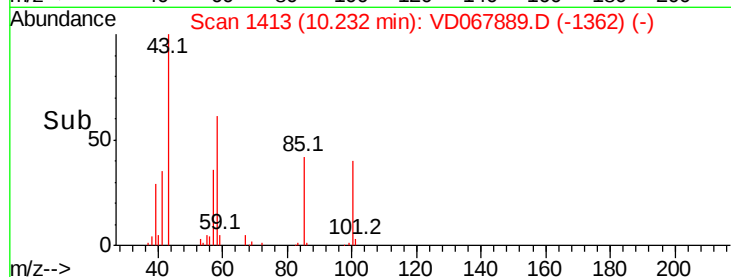
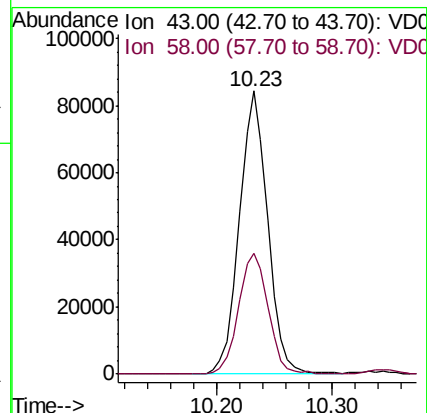
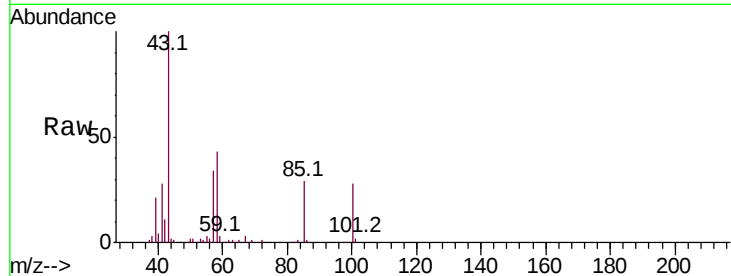
VSTDCCC050

Tot Ion: 43 Resp: 143157

Ion Ratio Lower Upper

43 100

58 44.5 35.7 53.5



#52

Toluene

Concen: 50.710 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067889.D

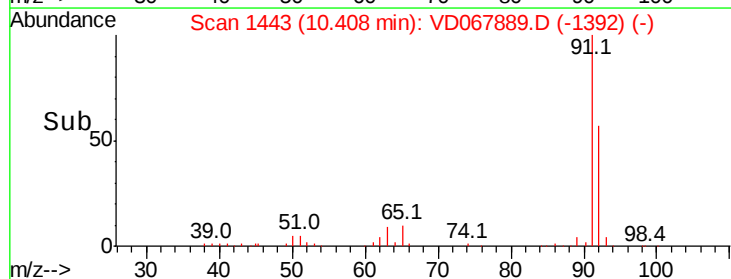
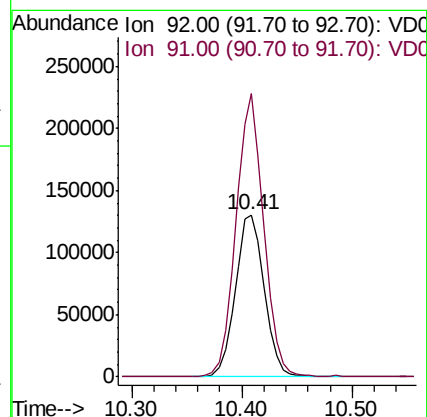
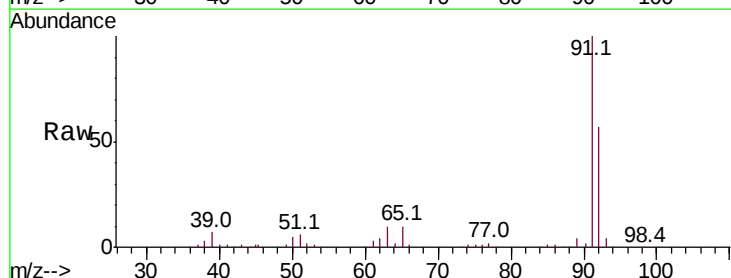
Acq: 07 Dec 2020 10:00

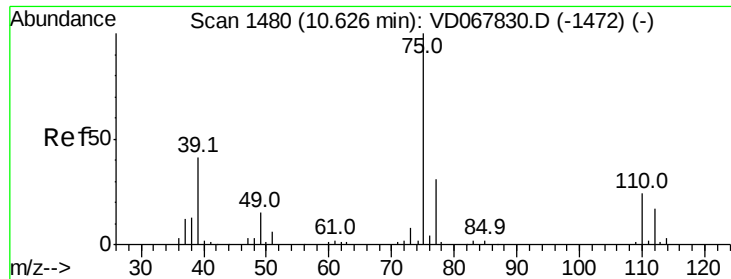
Tgt Ion: 92 Resp: 238907

Ion Ratio Lower Upper

92 100

91 167.5 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 50.292 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

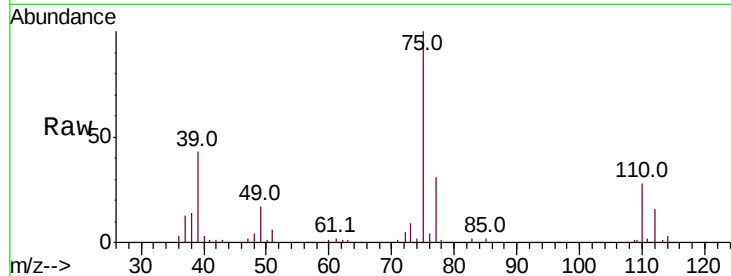
VSTDCCC050

Tot Ion: 75 Resp: 118996

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

60000

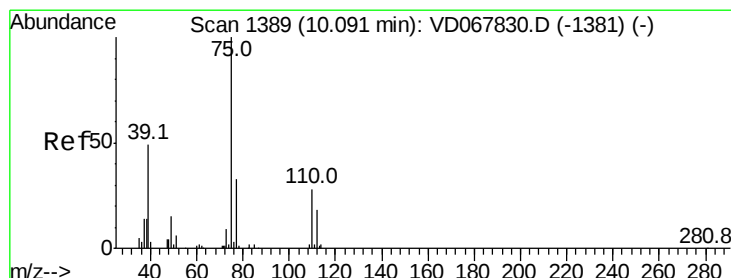
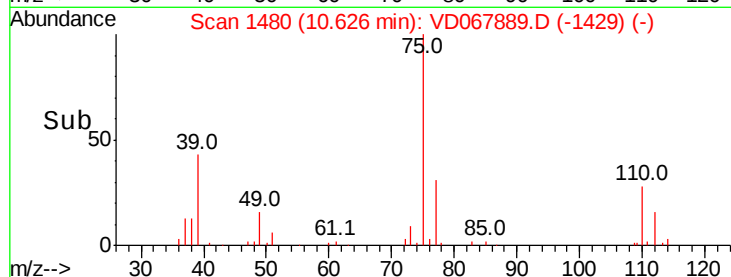
40000

20000

0

Time-->

10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 51.013 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

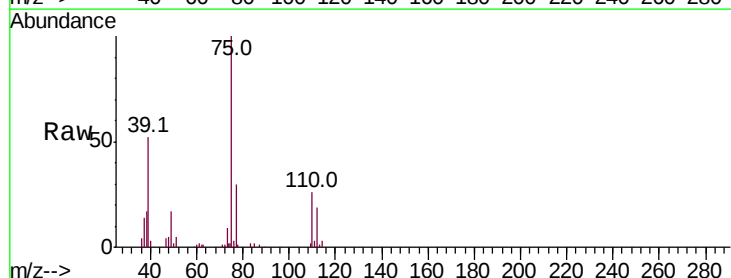
Tgt Ion: 75 Resp: 131293

Ion Ratio Lower Upper

75 100

77 30.1 26.2 39.2

39 52.0 39.0 58.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

80000

60000

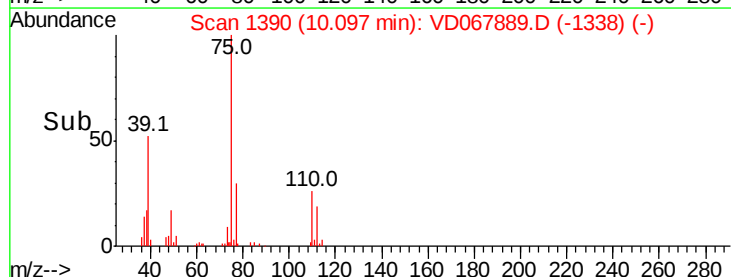
40000

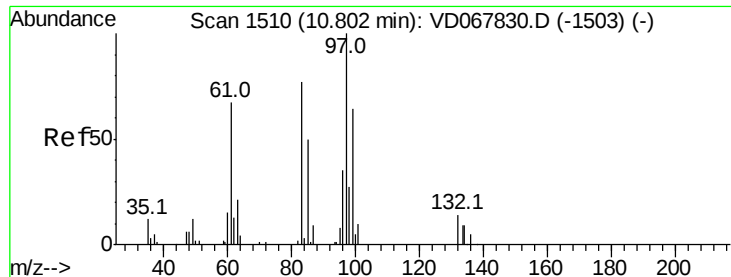
20000

0

Time-->

10.00 10.10

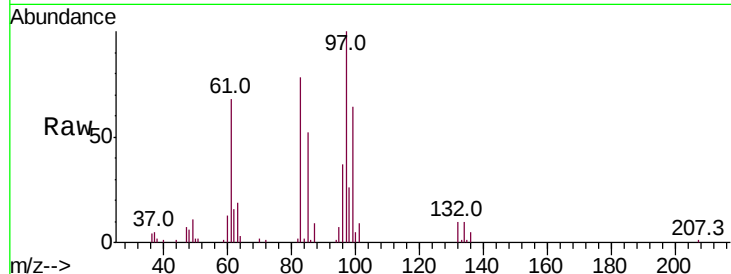




#55
 1,1,2-Trichloroethane
 Concen: 46.538 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.1	61.9	92.9
85	52.2	40.2	60.4
99	64.1	51.0	76.6



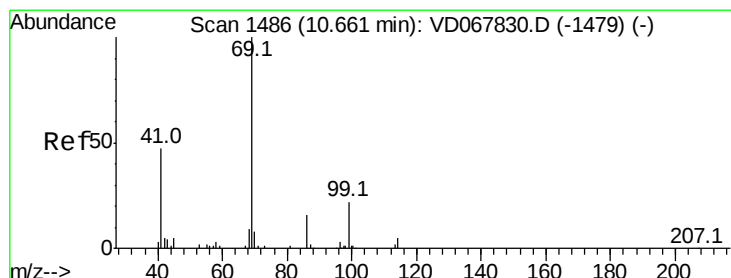
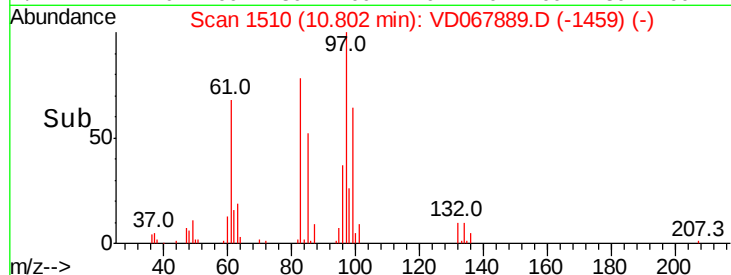
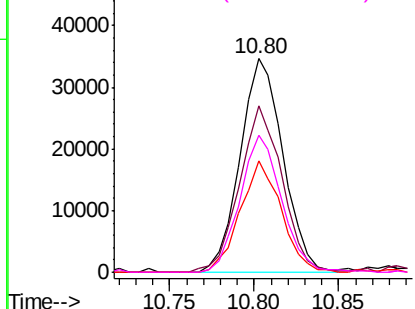
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

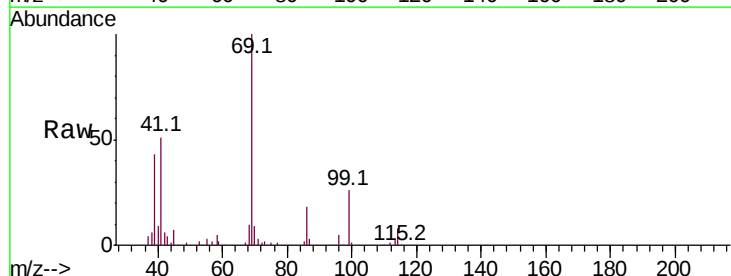
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 47.699 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.8	42.8	64.2
39	40.9	30.5	45.7

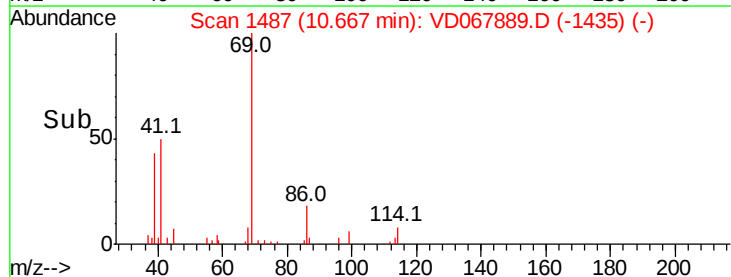
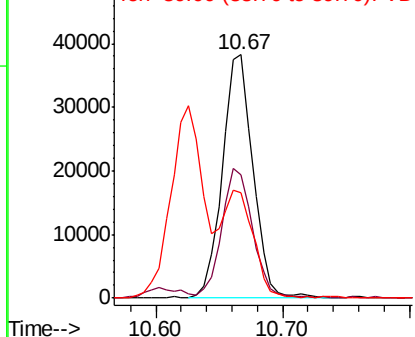


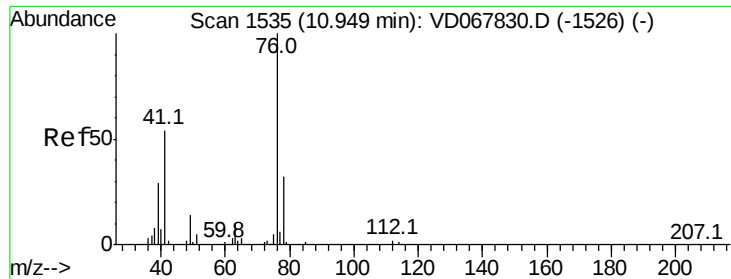
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

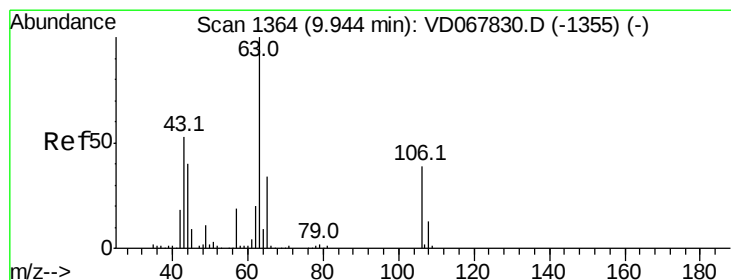
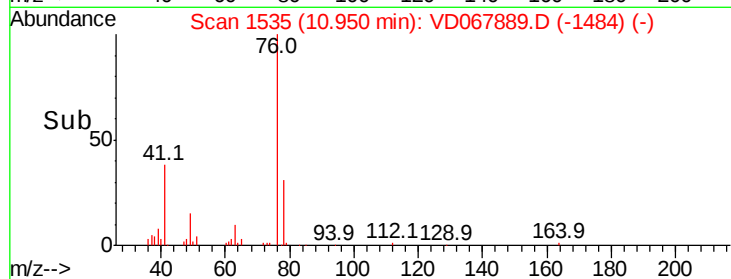
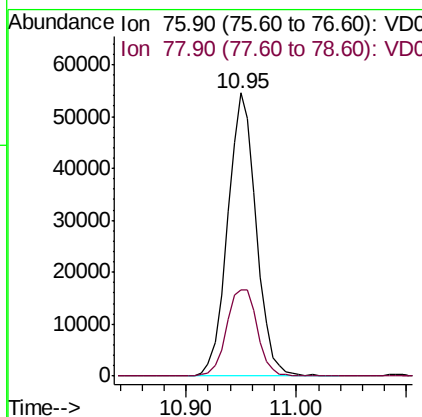
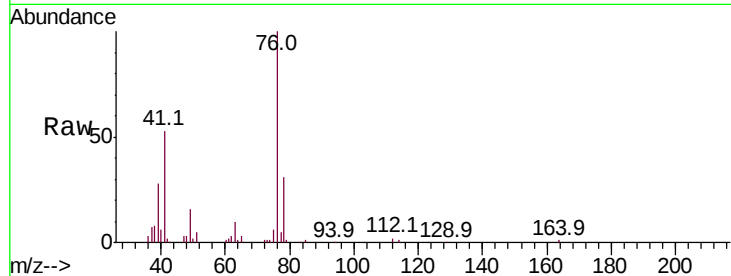




#57
 1,3-Dichloropropane
 Concen: 47.159 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

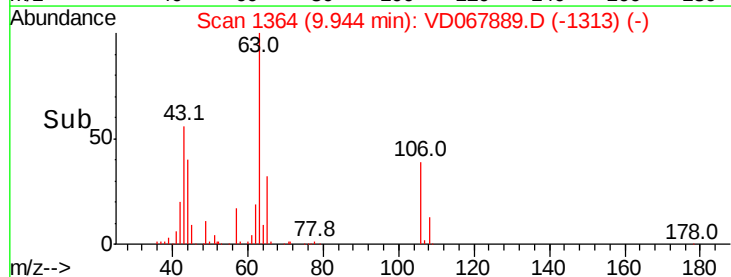
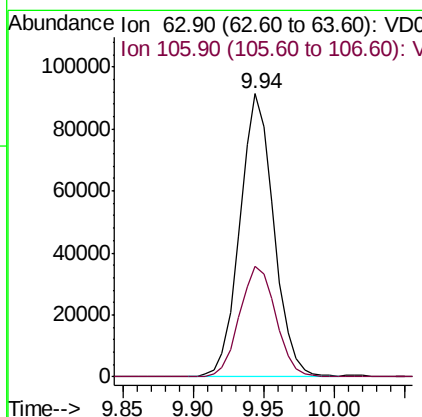
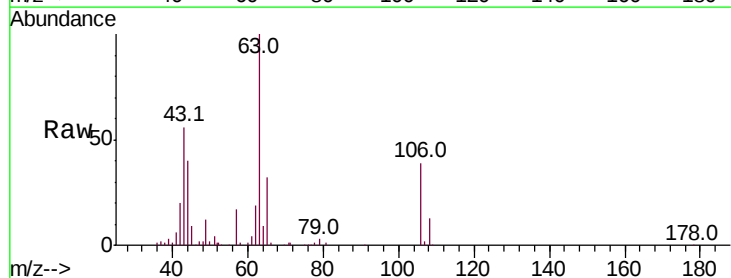
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

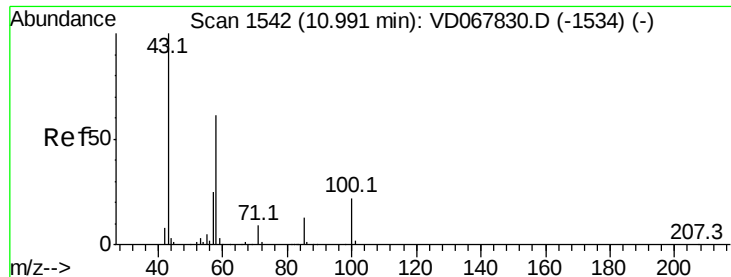
Tot Ion: 76 Resp: 98305
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.104 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Tgt Ion: 63 Resp: 153596
 Ion Ratio Lower Upper
 63 100
 106 41.9 32.0 48.0

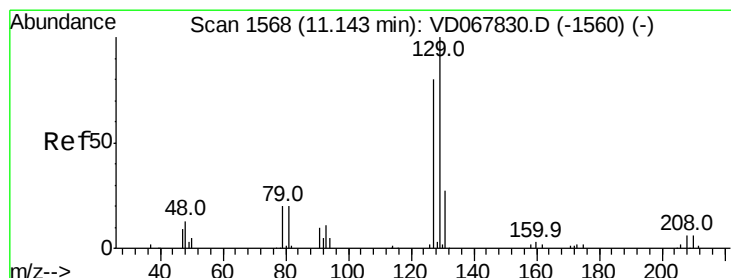
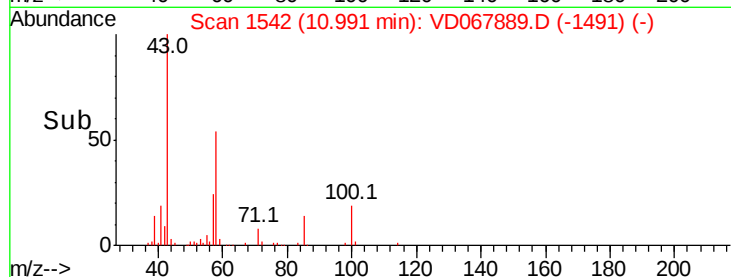
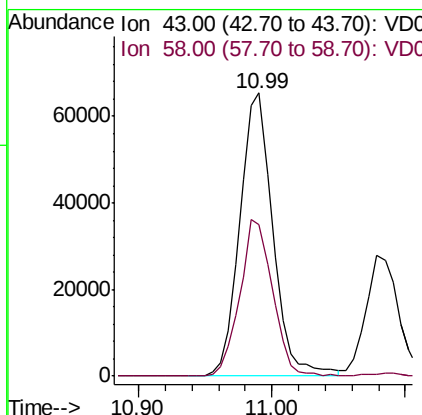
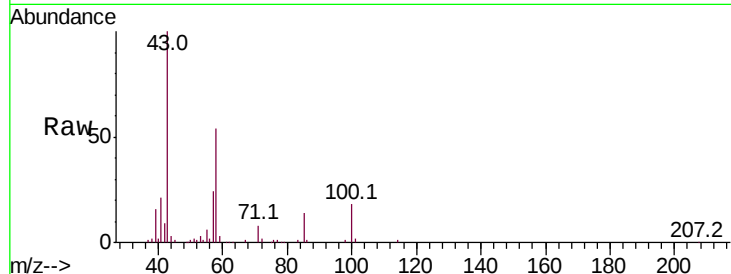




#59
2-Hexanone
Concen: 256.723 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

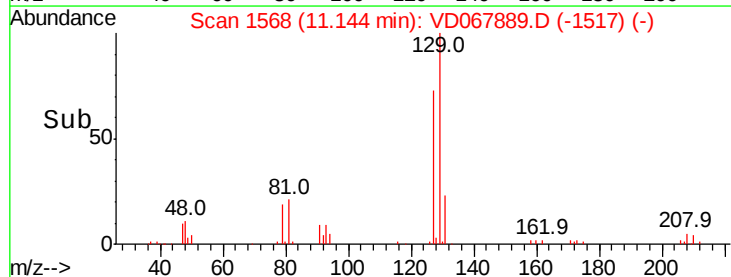
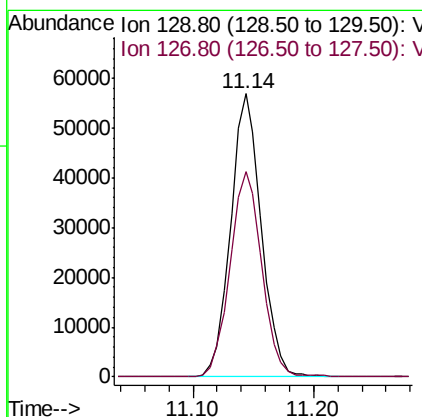
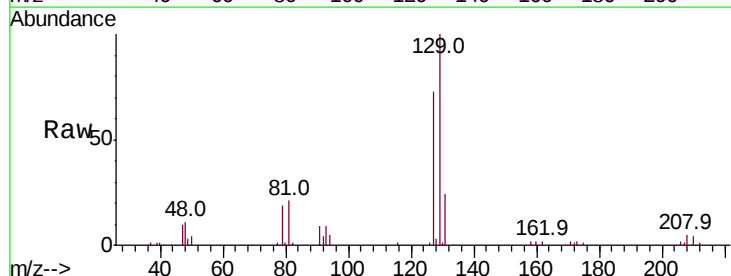
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

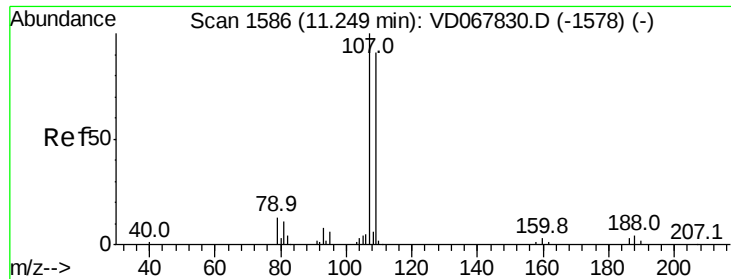
Tot Ion: 43 Resp: 111860
Ion Ratio Lower Upper
43 100
58 54.9 29.9 89.7



#60
Dibromochloromethane
Concen: 50.431 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 129 Resp: 100040
Ion Ratio Lower Upper
129 100
127 75.0 39.2 117.6

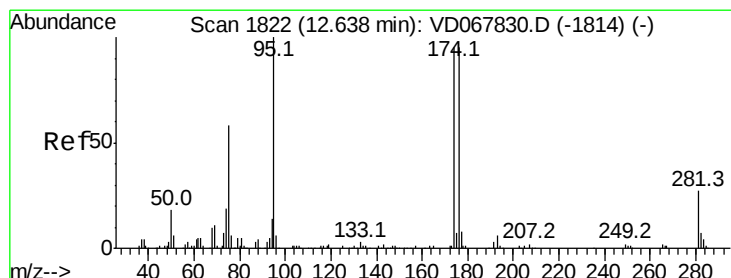
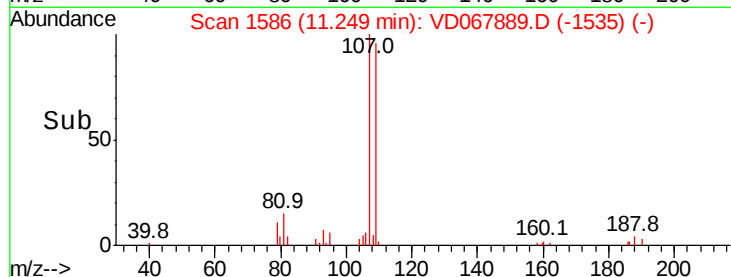
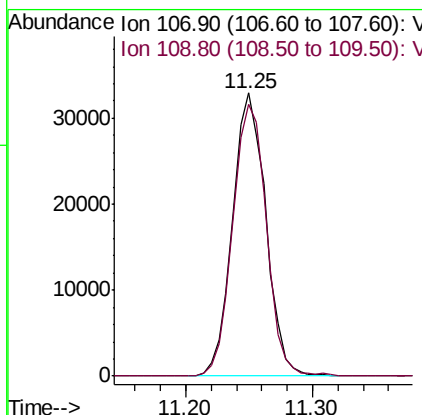
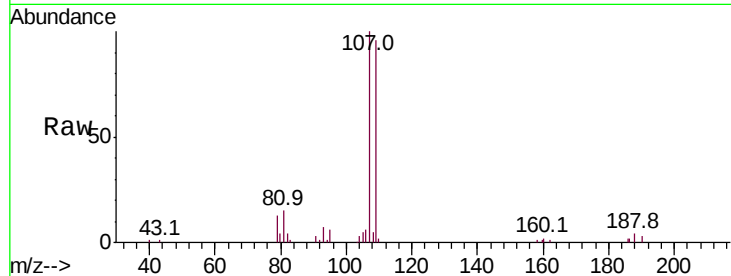




#61
 1,2-Dibromoethane
 Concen: 46.168 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

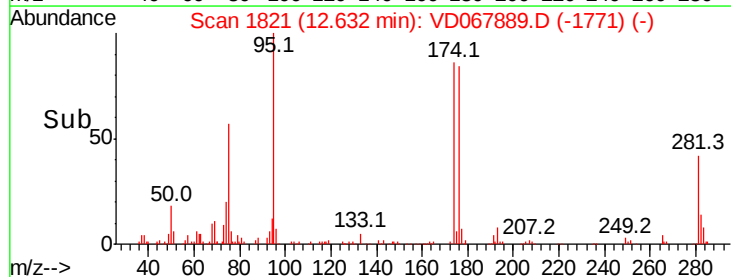
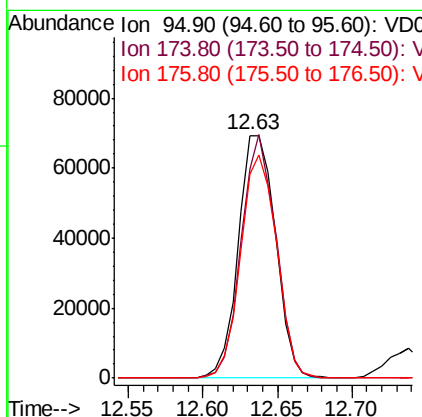
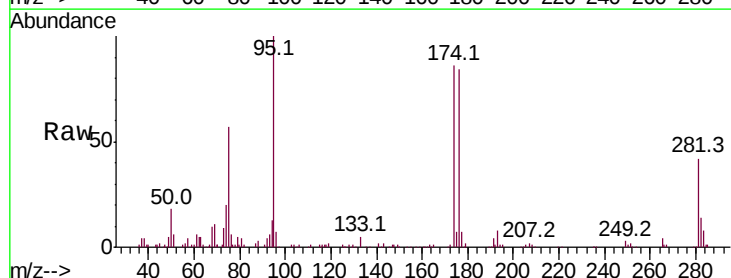
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

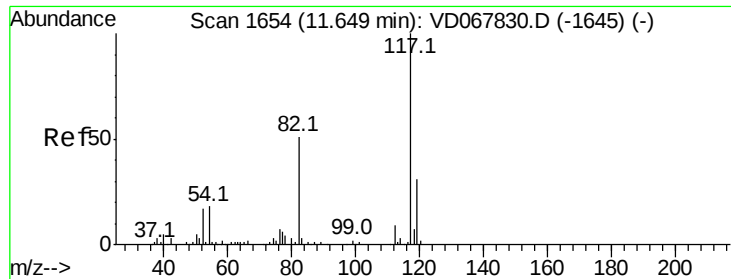
Tot Ion:107 Resp: 59746
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.619 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Tgt Ion: 95 Resp: 119920
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 186.0
 176 88.9 0.0 184.2

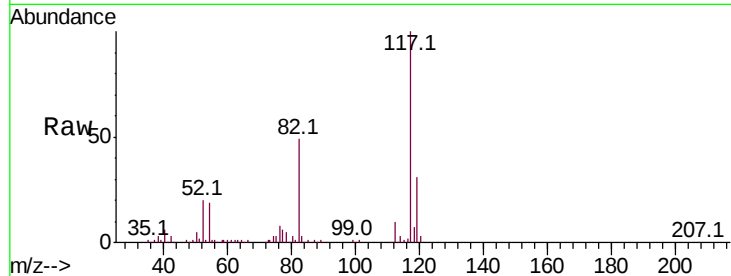




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	40.6	60.8
119	30.7	25.1	37.7

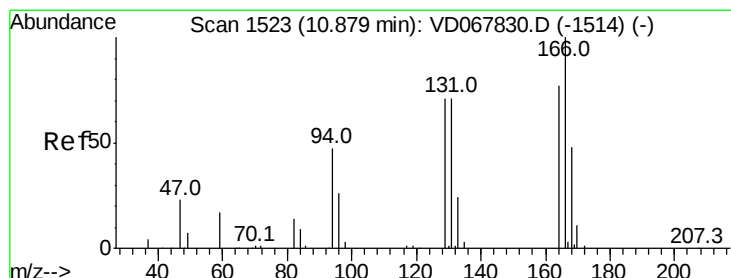
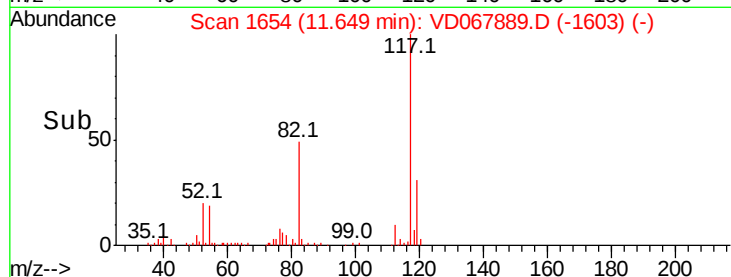
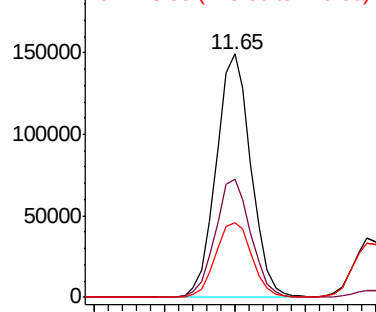


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.808 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.8	103.8	155.6
129	92.5	73.3	109.9
131	85.6	74.1	111.1

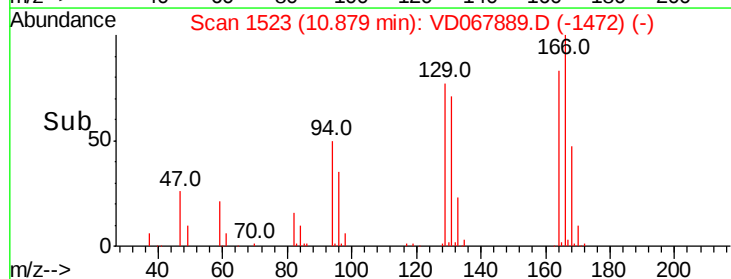
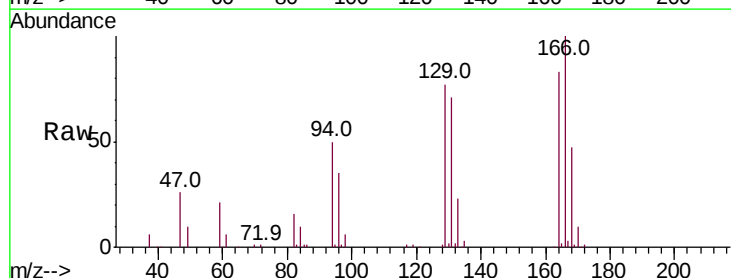
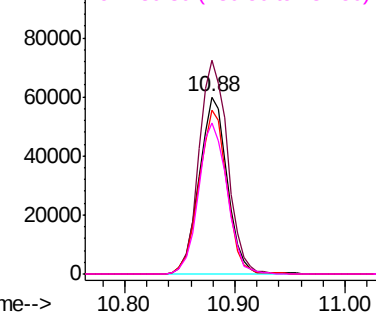
Abundance

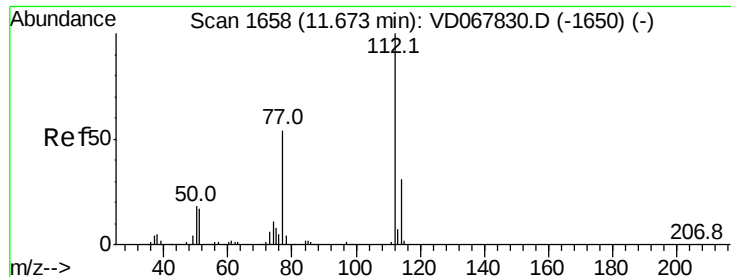
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

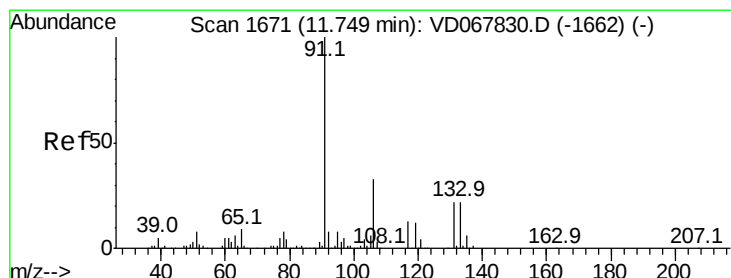
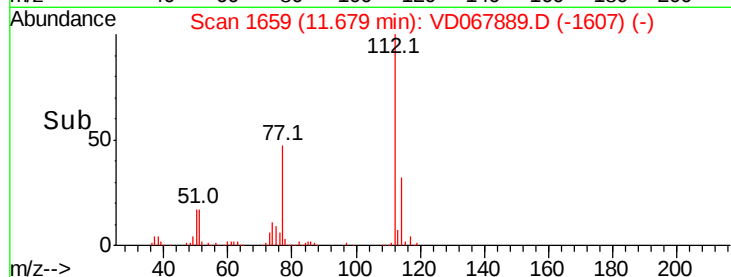
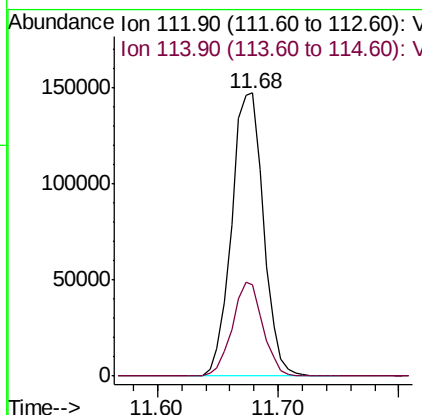
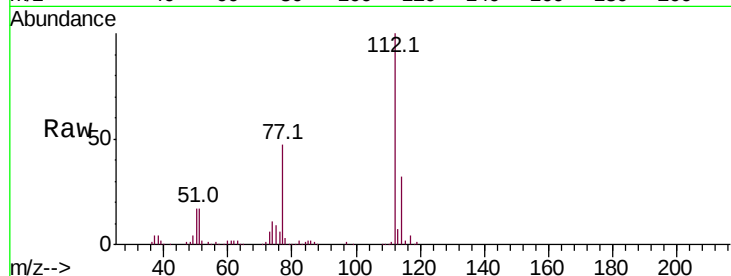




#65
Chlorobenzene
Concen: 51.057 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

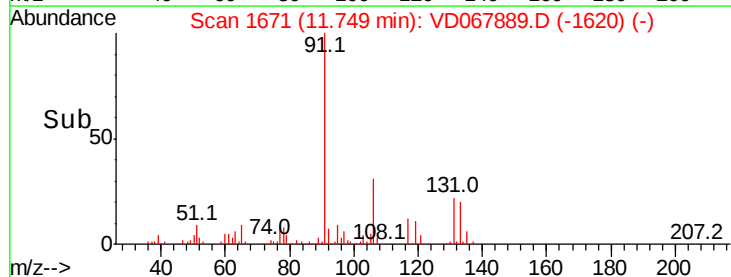
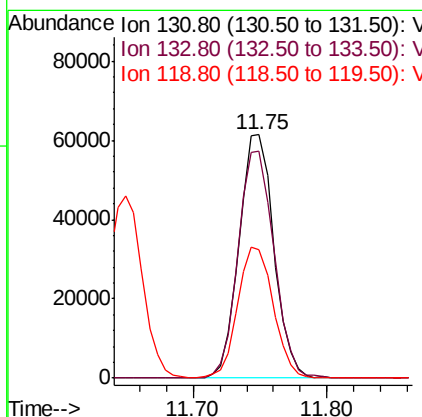
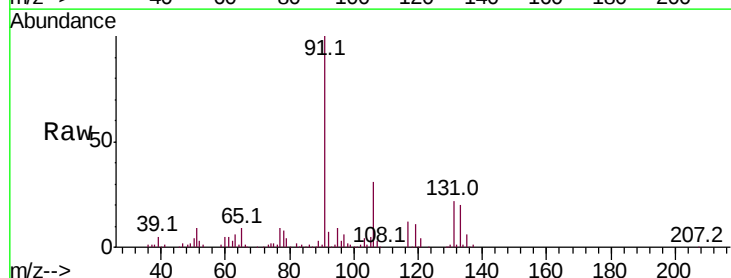
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

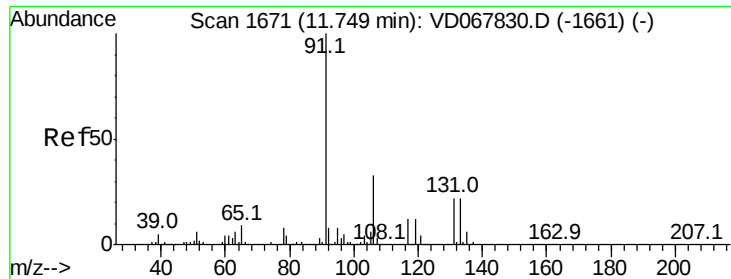
Tot Ion:112 Resp: 271842
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.977 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion:131 Resp: 110701
Ion Ratio Lower Upper
131 100
133 96.1 49.9 149.7
119 55.0 29.6 88.9





#67

Ethyl Benzene

Concen: 52.030 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

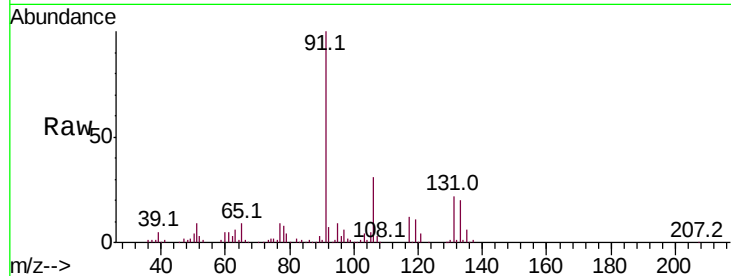
VSTDCCC050

Tot Ion: 91 Resp: 471906

Ion Ratio Lower Upper

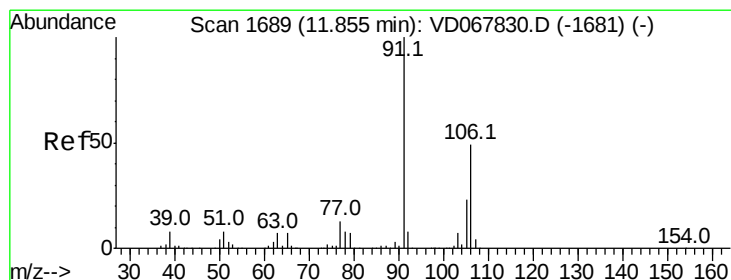
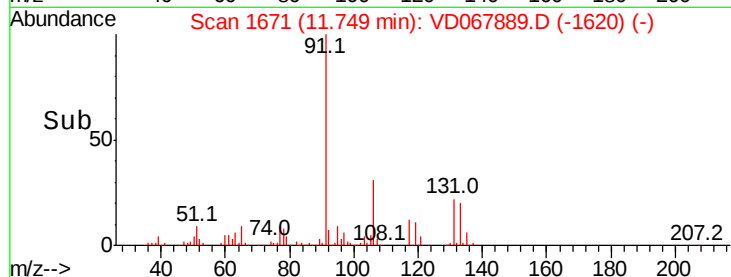
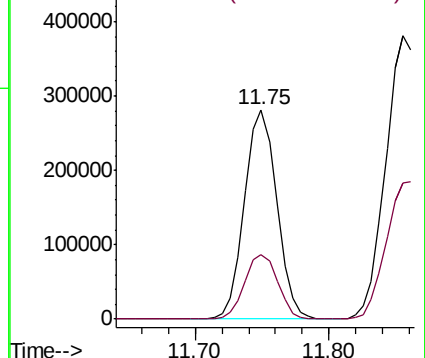
91 100

106 31.1 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 103.161 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067889.D

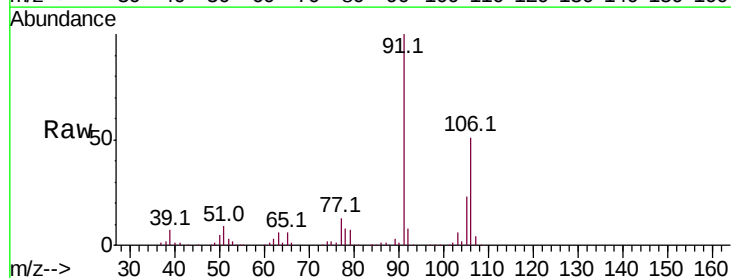
Acq: 07 Dec 2020 10:00

Tgt Ion: 106 Resp: 368938

Ion Ratio Lower Upper

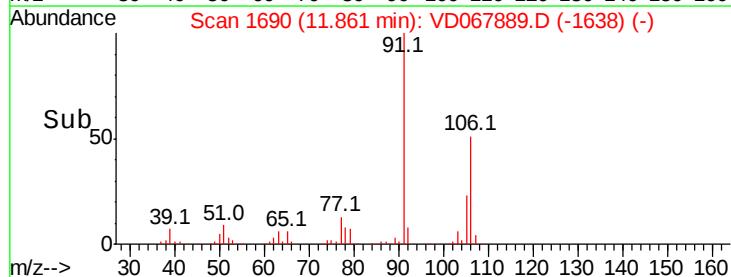
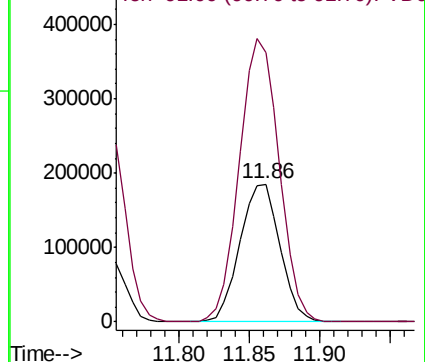
106 100

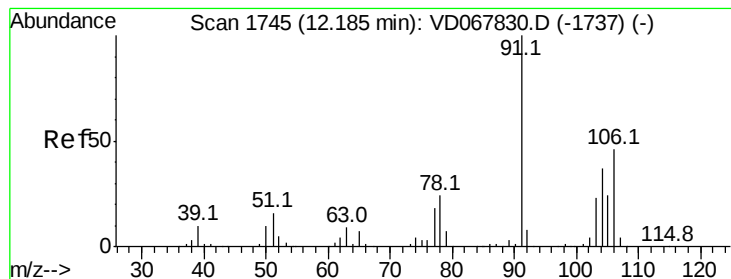
91 204.2 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#69

o-Xylene

Concen: 53.022 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

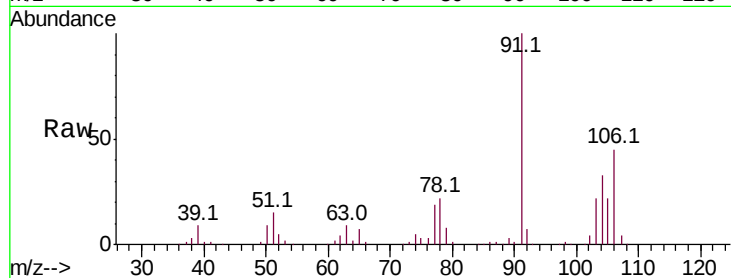
VSTDCCC050

Tot Ion:106 Resp: 168342

Ion Ratio Lower Upper

106 100

91 214.5 107.5 322.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

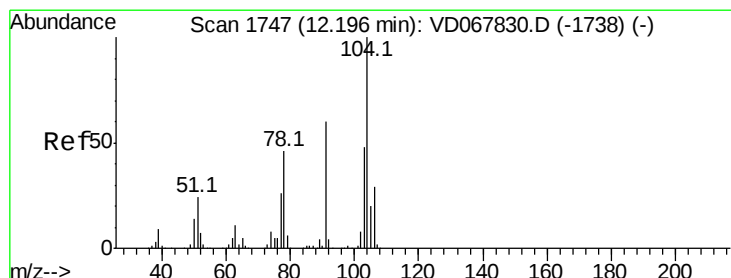
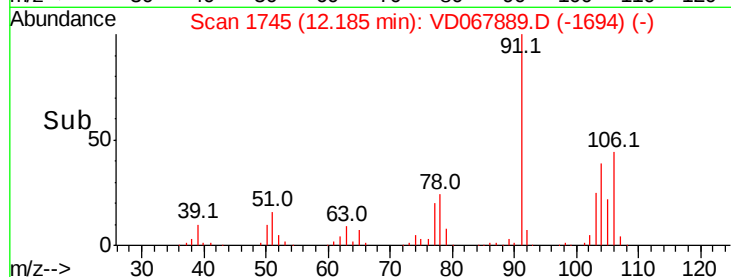
100000

50000

0

12.10 12.20

Time-->



#70

Styrene

Concen: 51.673 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

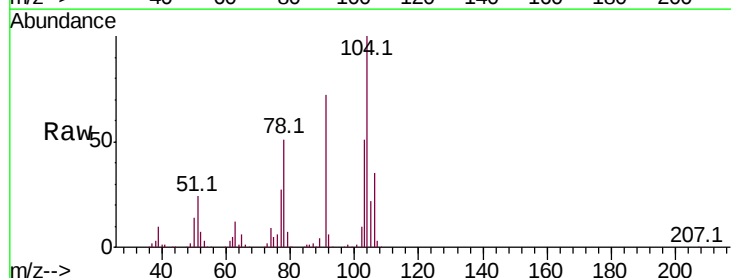
Tgt Ion:104 Resp: 285279

Ion Ratio Lower Upper

104 100

78 54.1 41.6 62.4

103 54.3 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VDC

Ion 103.00 (102.70 to 103.70): V

200000

150000

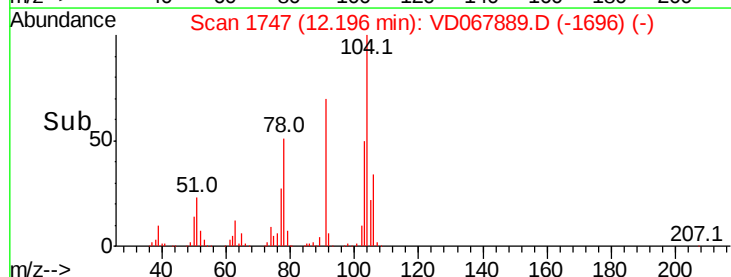
100000

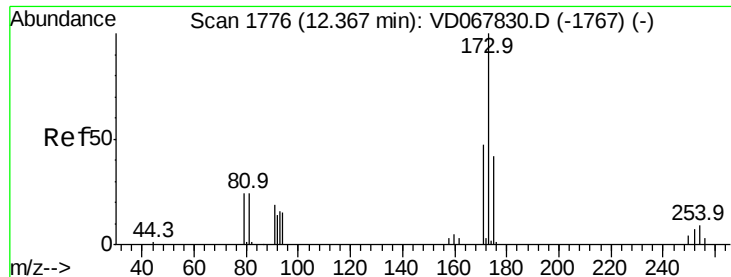
50000

0

12.10 12.20

Time-->





#71

Bromoform

Concen: 47.774 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

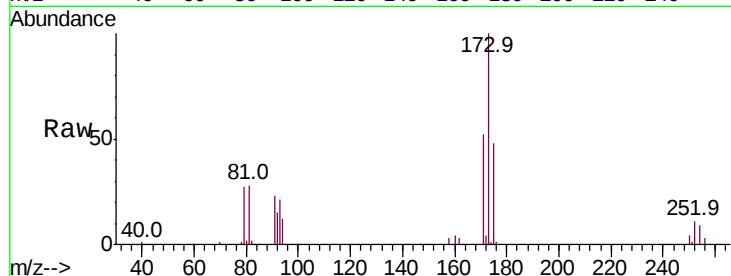
Tot Ion:173 Resp: 54916

Ion Ratio Lower Upper

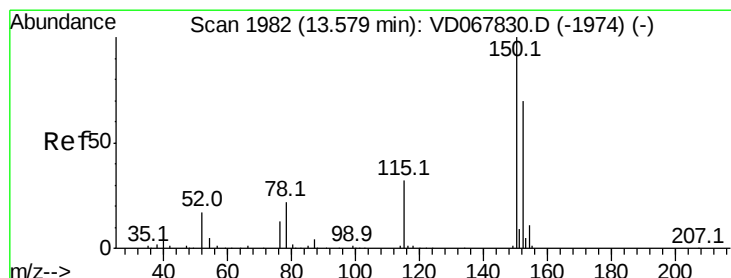
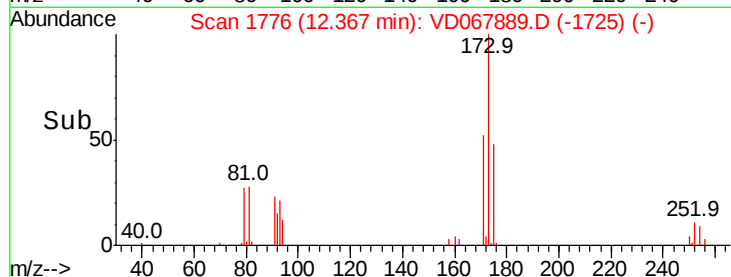
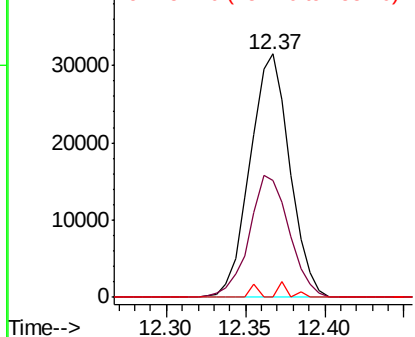
173 100

175 50.3 23.4 70.3

254 1.8 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

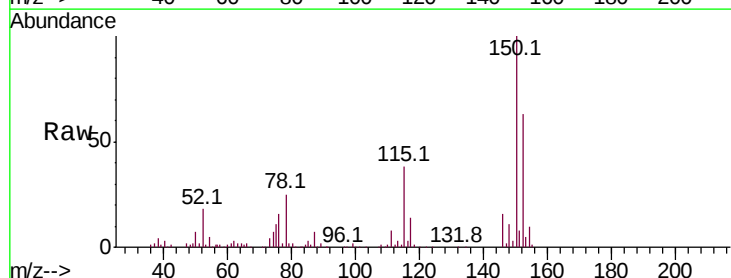
Tgt Ion:152 Resp: 133513

Ion Ratio Lower Upper

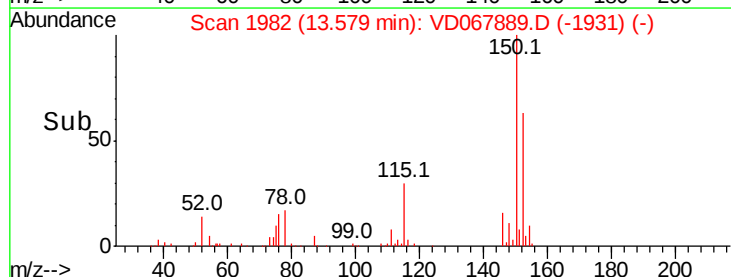
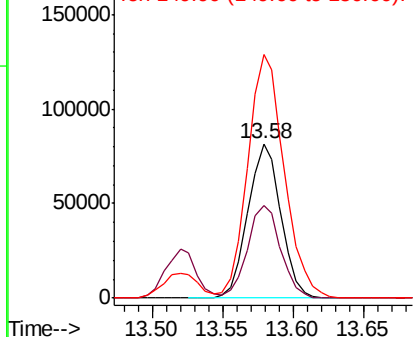
152 100

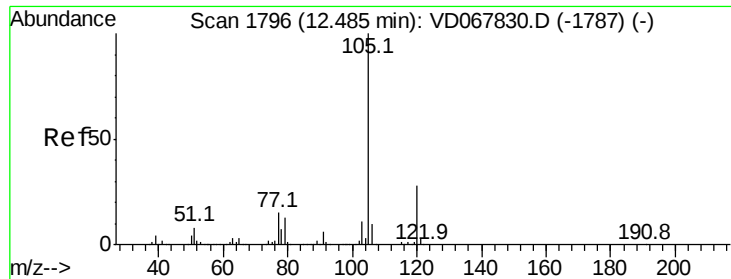
115 59.8 29.1 87.4

150 174.6 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.392 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

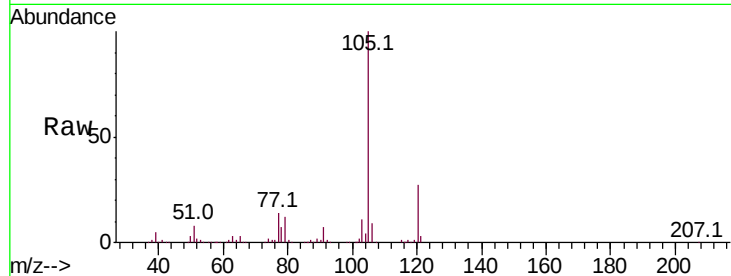
VSTDCCC050

Tot Ion:105 Resp: 490226

Ion Ratio Lower Upper

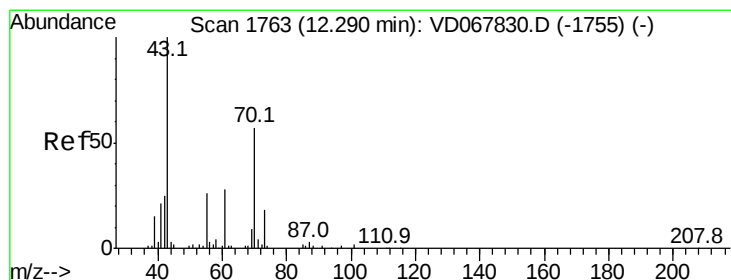
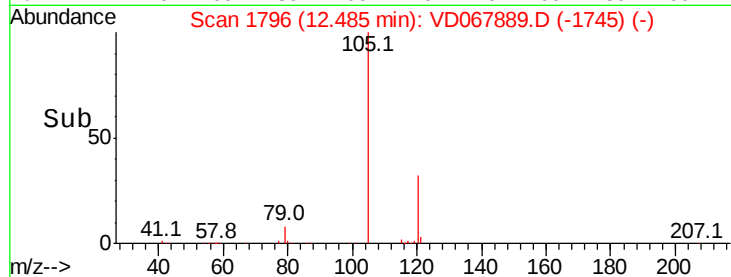
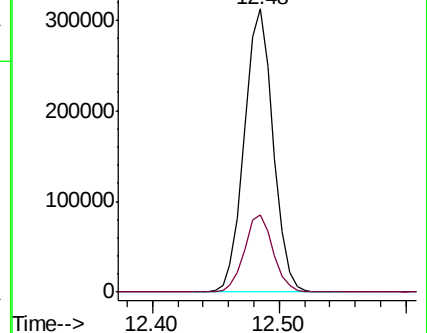
105 100

120 27.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.639 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Tgt Ion: 43 Resp: 55241

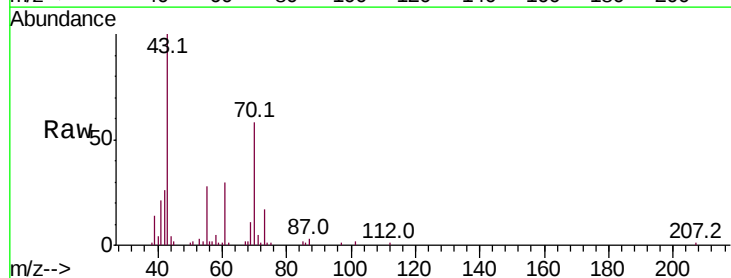
Ion Ratio Lower Upper

43 100

70 55.9 44.6 66.8

55 28.4 22.2 33.2

61 30.2 22.7 34.1

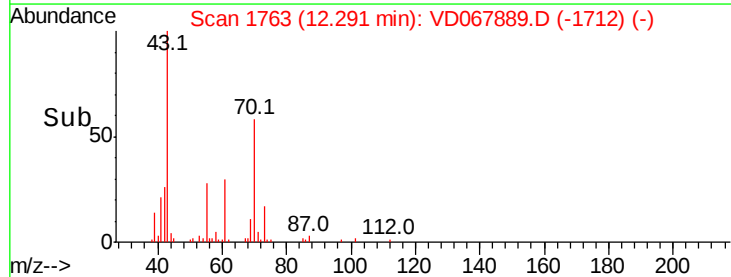
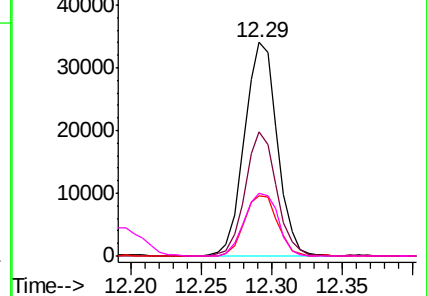


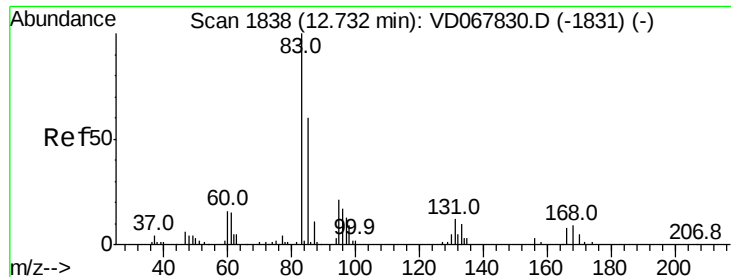
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.747 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

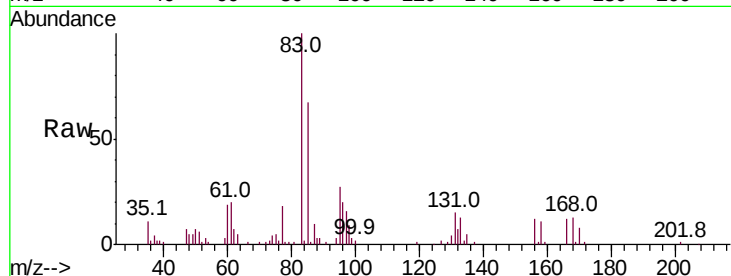
Tot Ion: 83 Resp: 54243

Ion Ratio Lower Upper

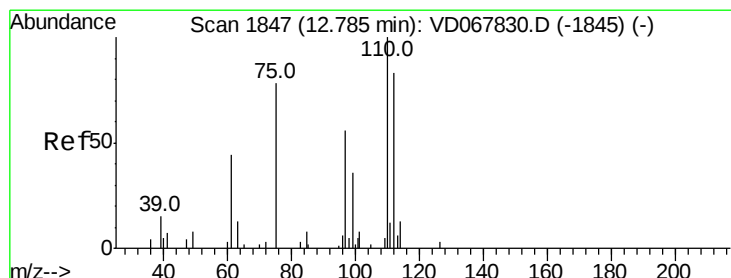
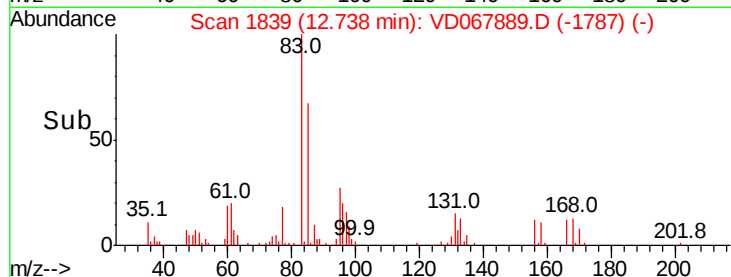
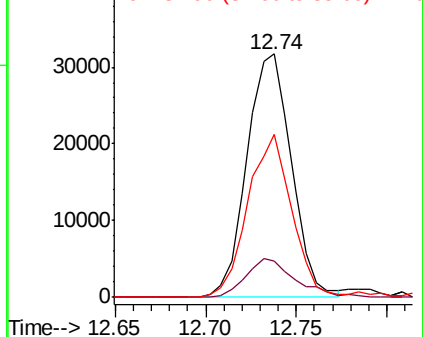
83 100

131 17.5 8.0 24.0

85 66.1 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 86.496 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067889.D

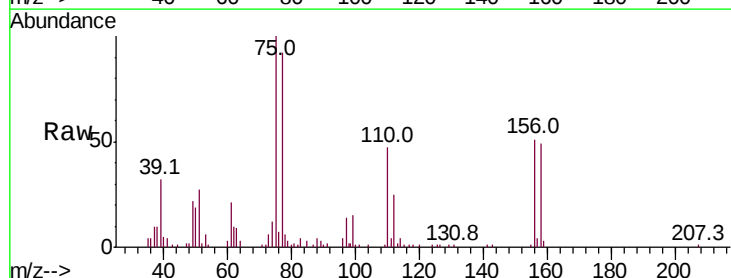
Acq: 07 Dec 2020 10:00

Tgt Ion: 75 Resp: 84099

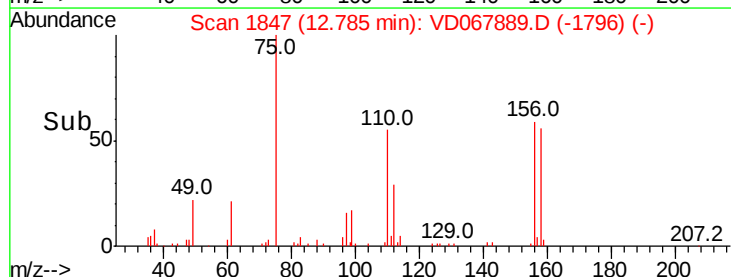
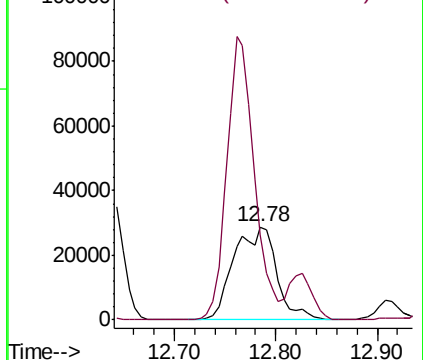
Ion Ratio Lower Upper

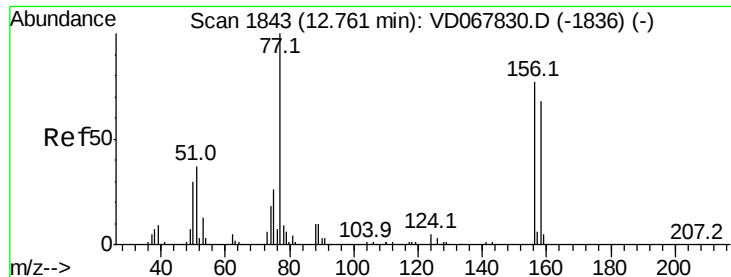
75 100

77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.879 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

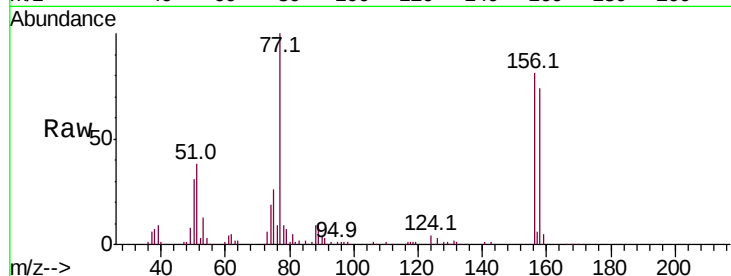
Tot Ion:156 Resp: 118420

Ion Ratio Lower Upper

156 100

77 138.9 71.5 214.5

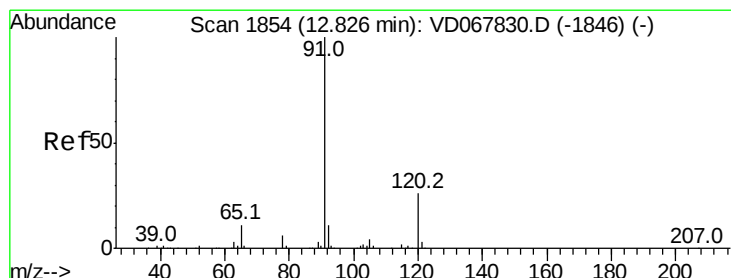
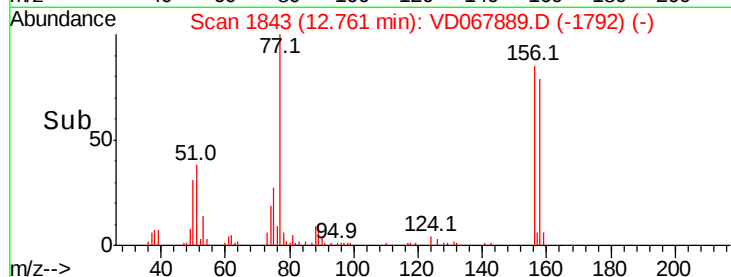
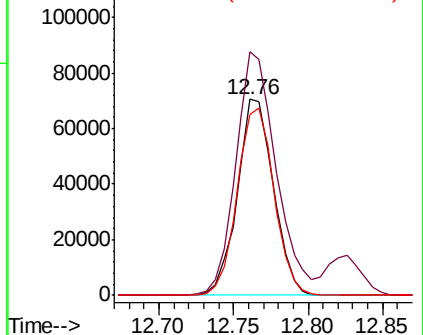
158 97.5 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.668 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067889.D

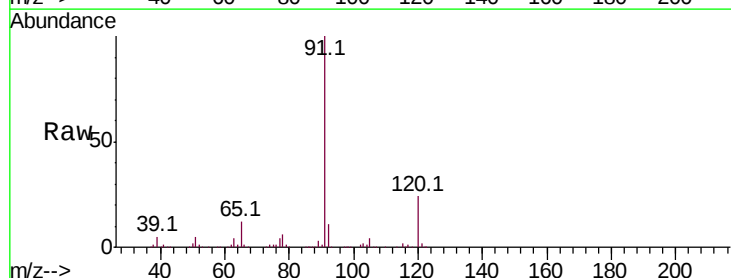
Acq: 07 Dec 2020 10:00

Tgt Ion: 91 Resp: 535976

Ion Ratio Lower Upper

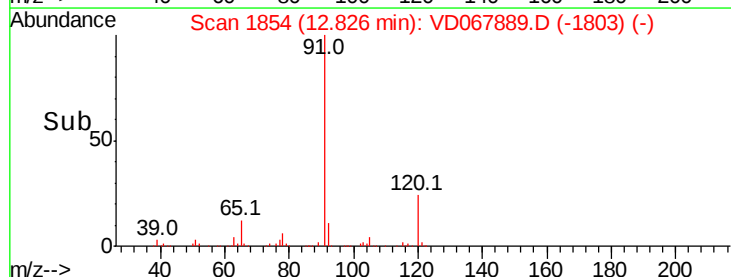
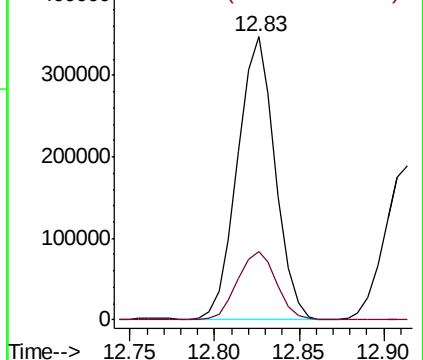
91 100

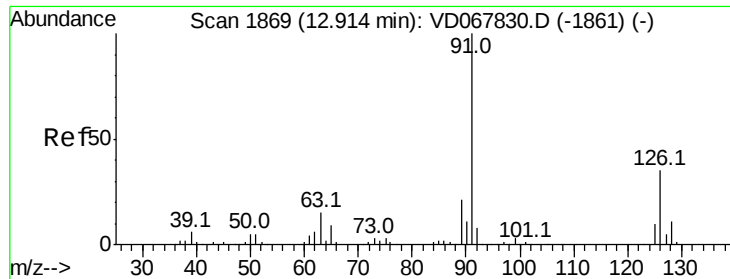
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

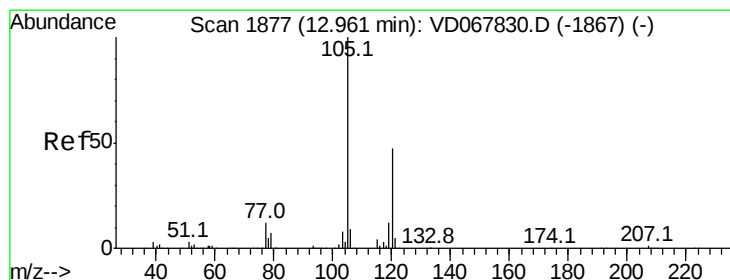
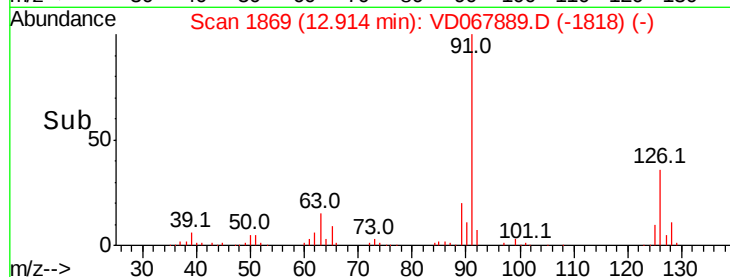
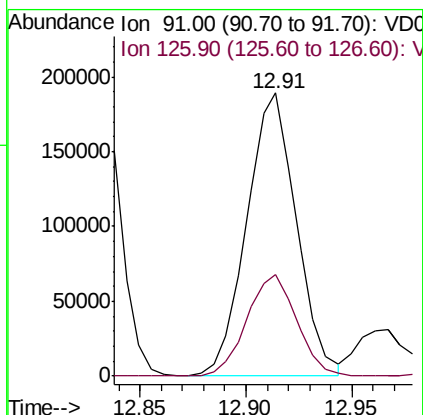
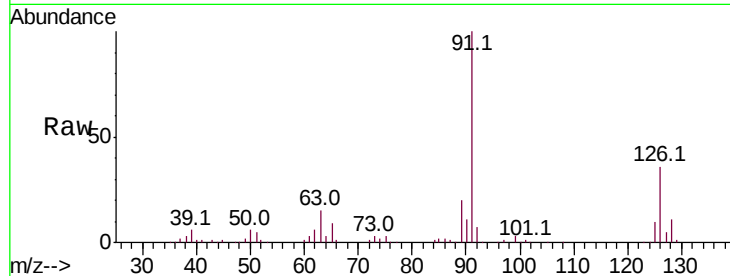




#79
2-Chlorotoluene
Concen: 51.478 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

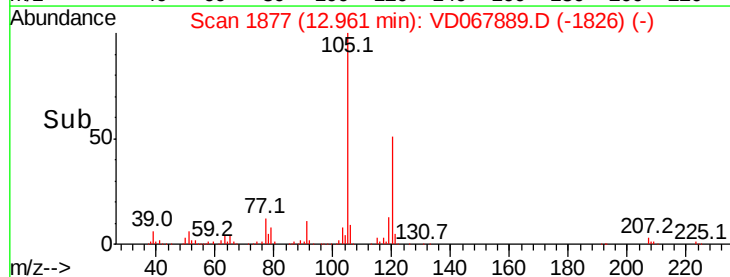
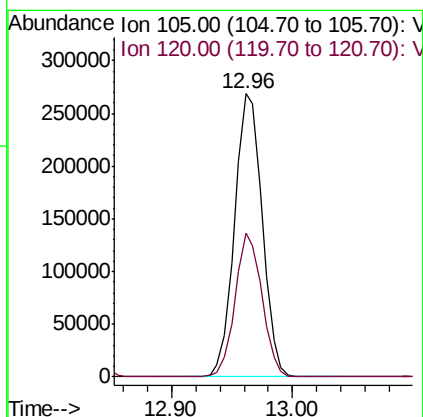
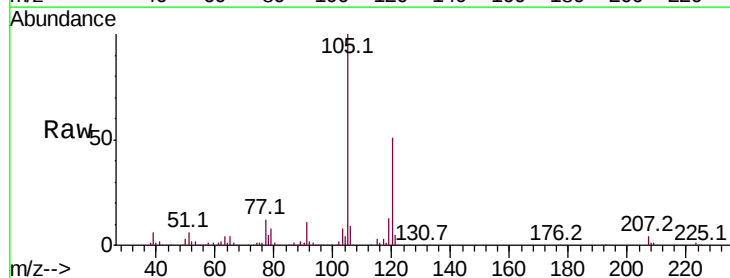
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

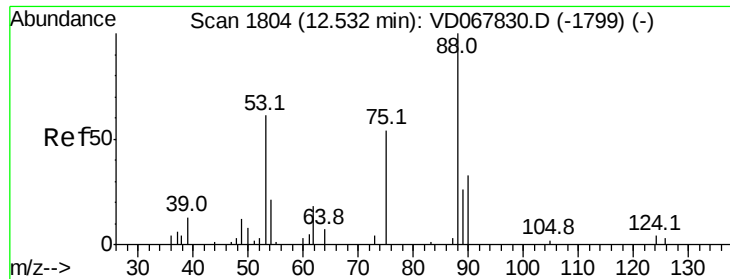
Tot Ion: 91 Resp: 308186
Ion Ratio Lower Upper
91 100
126 36.0 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 54.153 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion:105 Resp: 430491
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.9

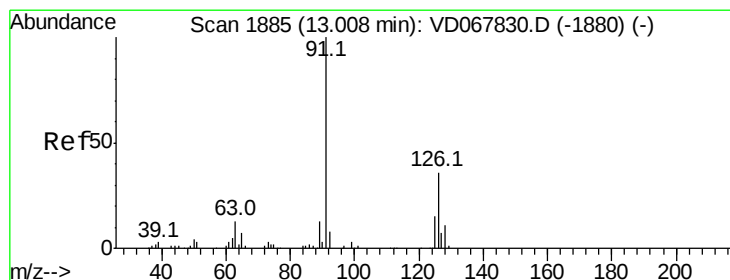
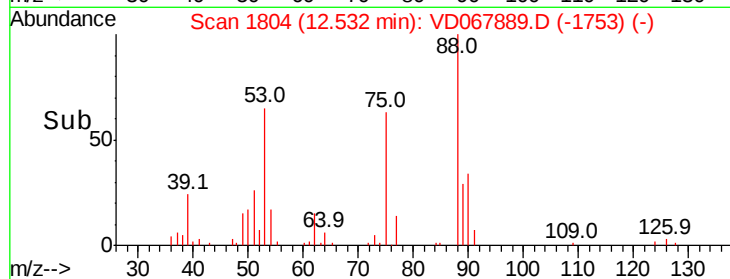
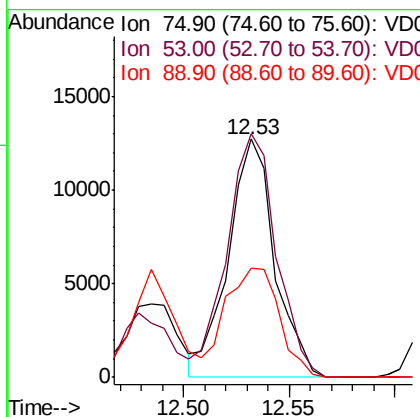
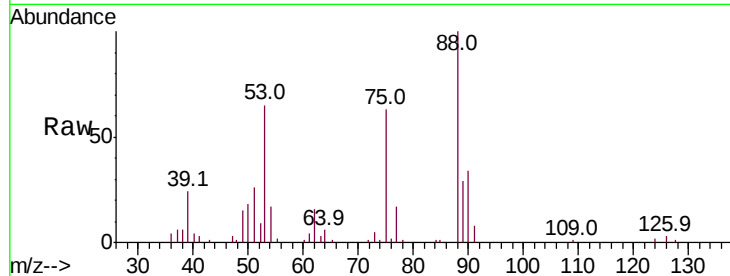




#81
trans-1,4-Dichloro-2-butene
Concen: 47.356 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

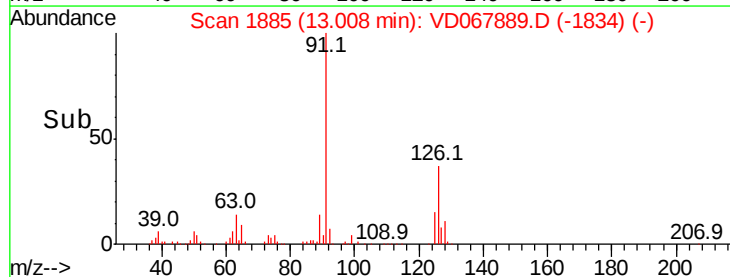
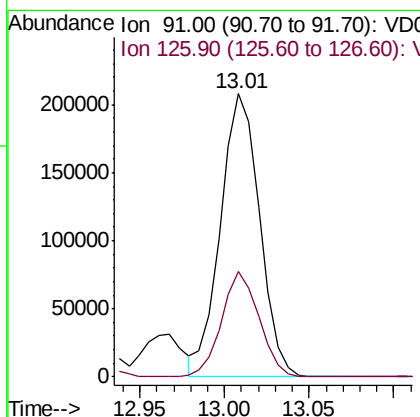
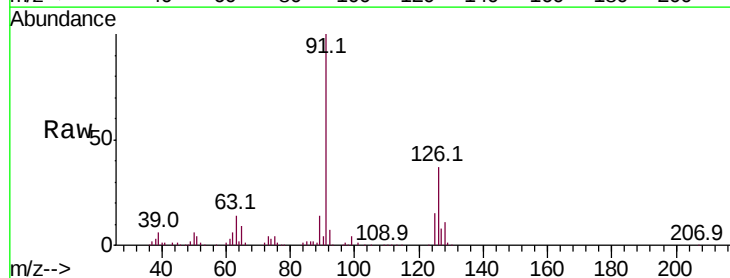
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

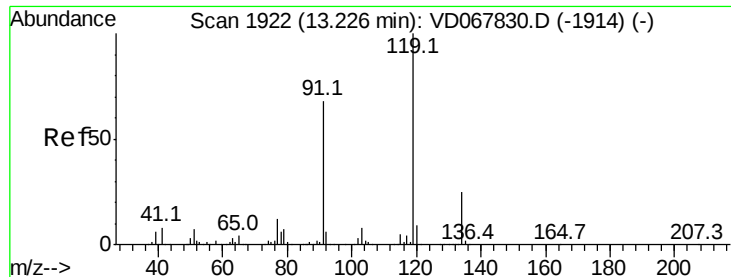
Tot Ion: 75 Resp: 19248
Ion Ratio Lower Upper
75 100
53 109.3 84.6 127.0
89 53.7 41.0 61.6



#82
4-Chlorotoluene
Concen: 52.483 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 91 Resp: 335168
Ion Ratio Lower Upper
91 100
126 35.9 18.1 54.4





#83

tert-Butylbenzene

Concen: 55.807 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

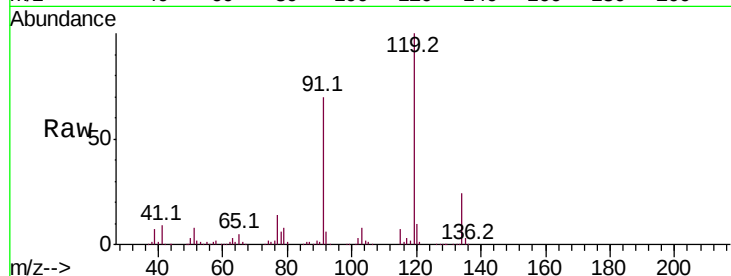
Tot Ion:119 Resp: 377517

Ion Ratio Lower Upper

119 100

91 66.7 33.1 99.3

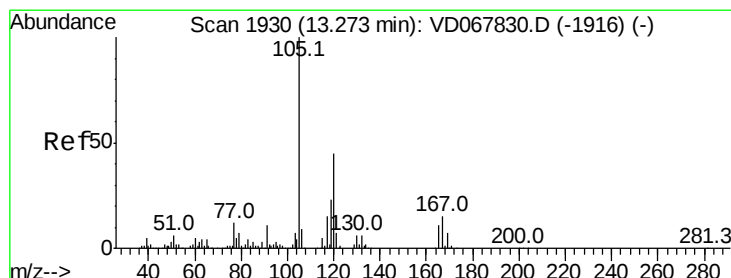
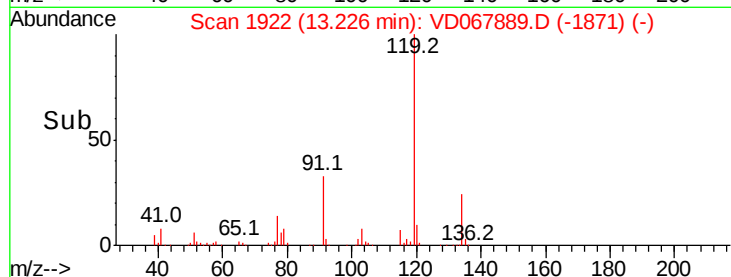
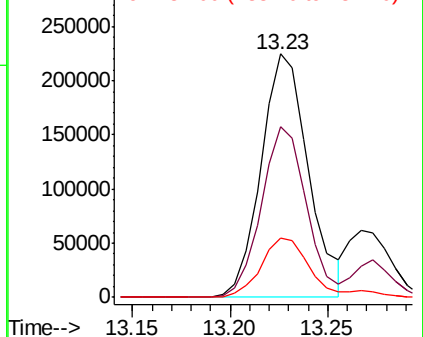
134 24.7 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.735 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067889.D

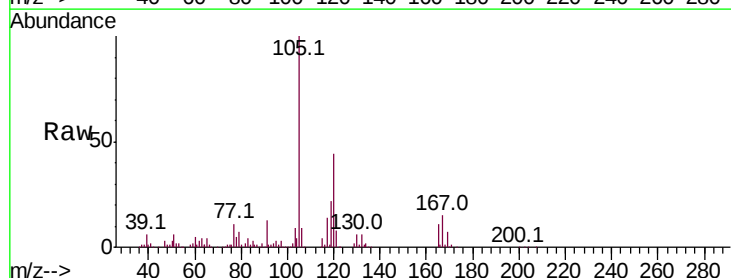
Acq: 07 Dec 2020 10:00

Tgt Ion:105 Resp: 424773

Ion Ratio Lower Upper

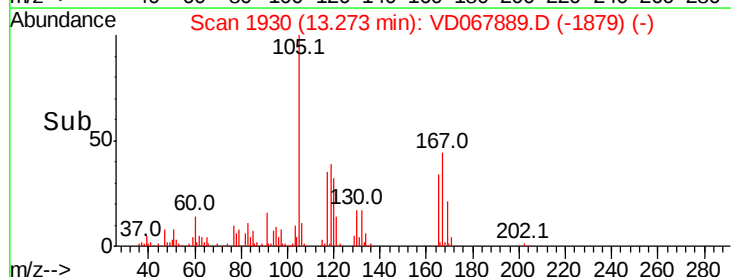
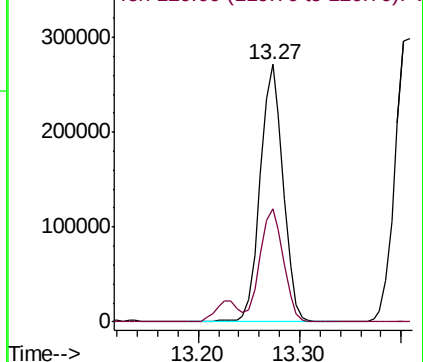
105 100

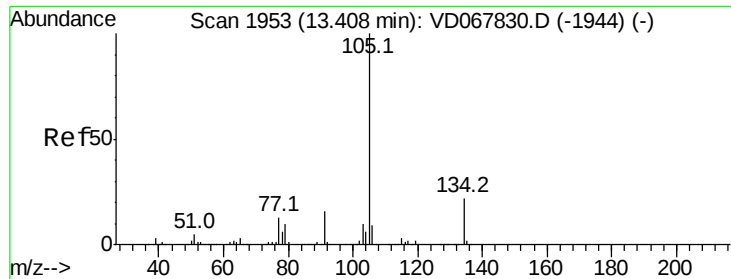
120 44.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.982 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

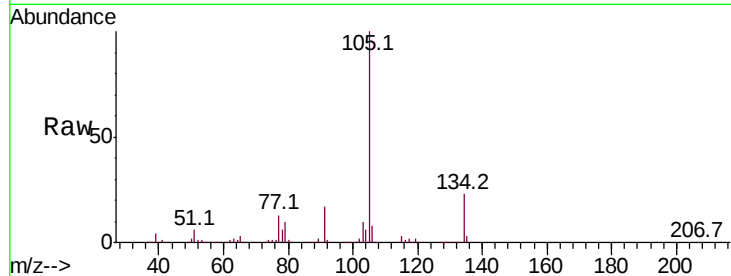
VSTDCCC050

Tot Ion:105 Resp: 478368

Ion Ratio Lower Upper

105 100

134 21.8 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

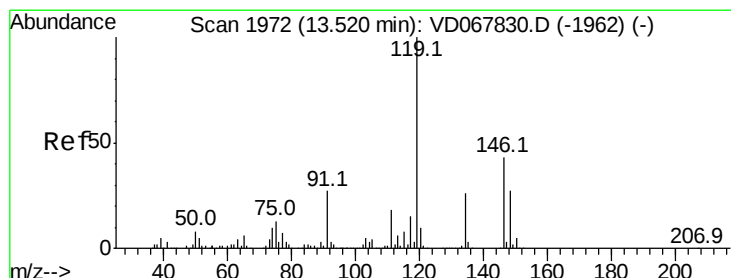
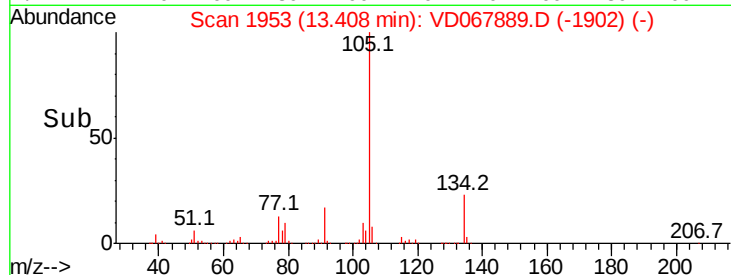
200000

100000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 52.932 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

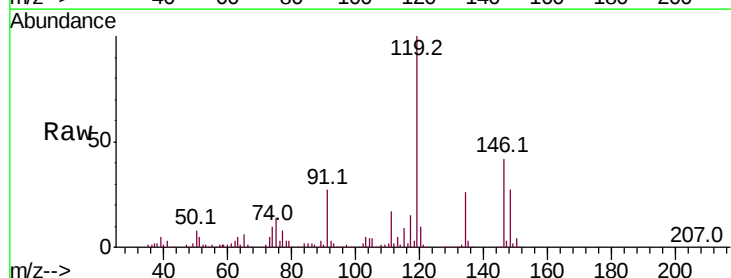
Tgt Ion:119 Resp: 468391

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 27.1 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

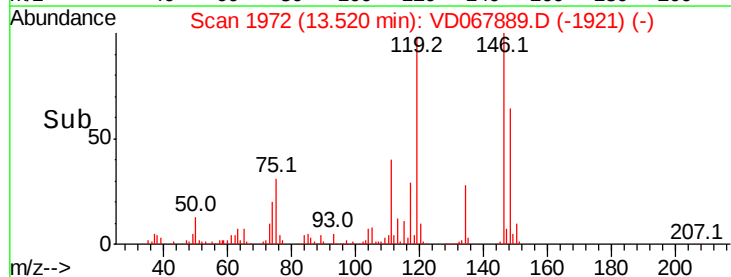
200000

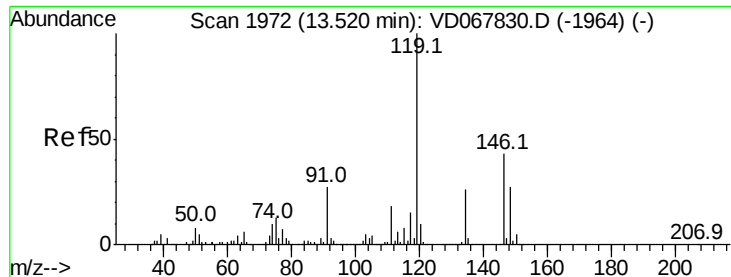
100000

0

13.45 13.50 13.55 13.60

Time-->

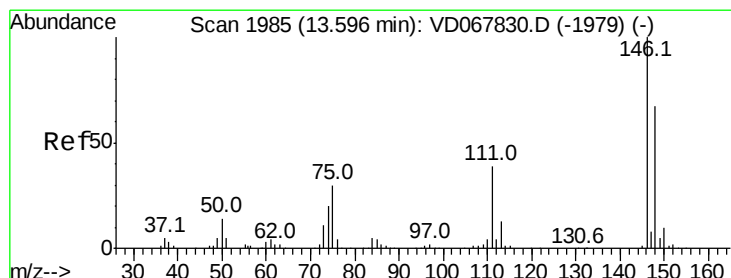
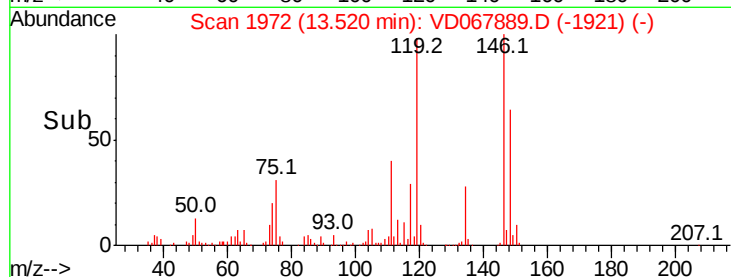
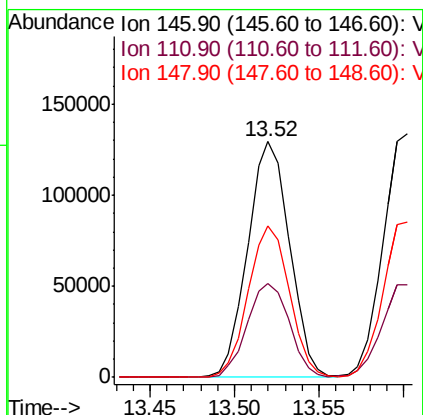
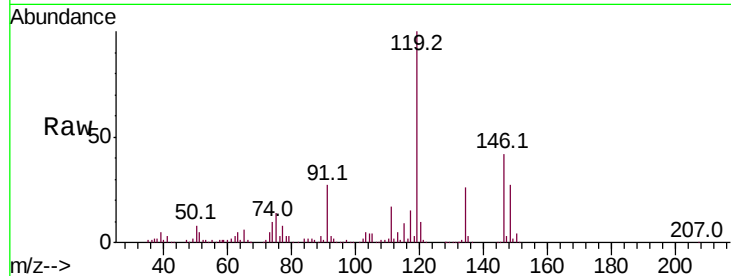




#87
1,3-Dichlorobenzene
Concen: 50.500 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

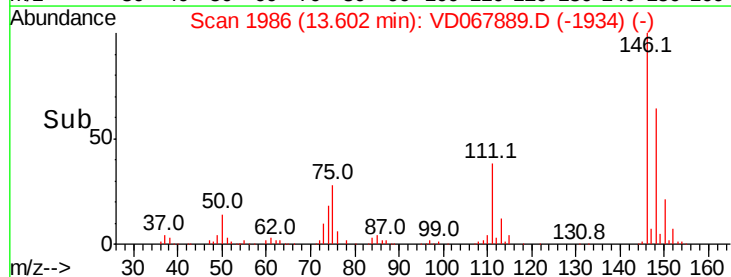
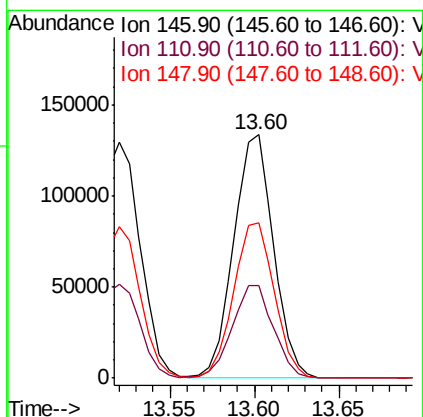
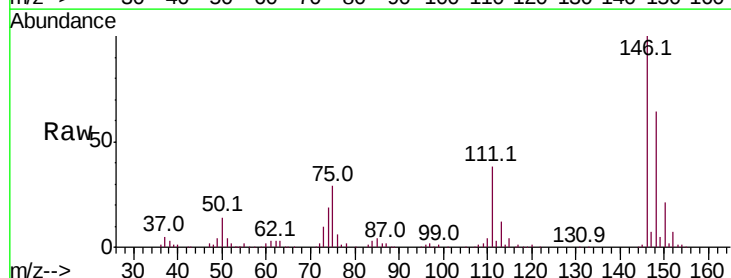
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

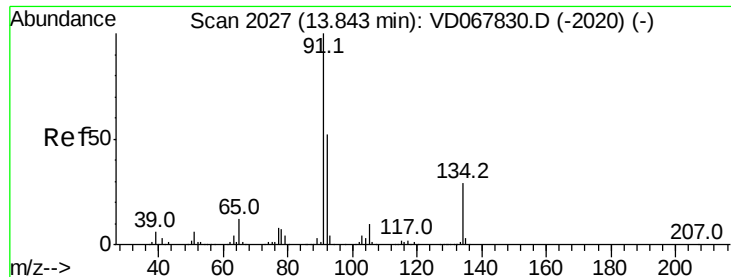
Tot Ion:146 Resp: 222362
Ion Ratio Lower Upper
146 100
111 40.3 20.8 62.2
148 63.3 32.9 98.6



#88
1,4-Dichlorobenzene
Concen: 49.878 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion:146 Resp: 219717
Ion Ratio Lower Upper
146 100
111 39.3 19.9 59.6
148 65.1 32.4 97.2

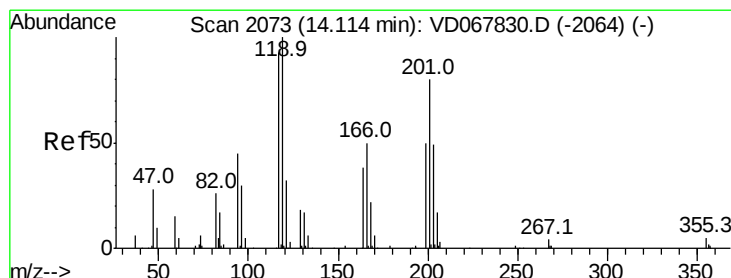
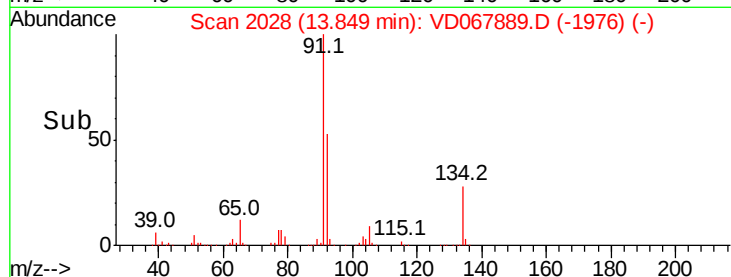
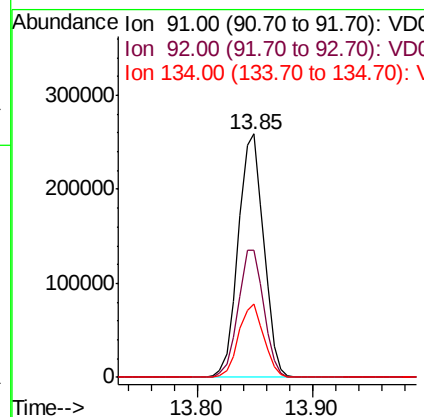
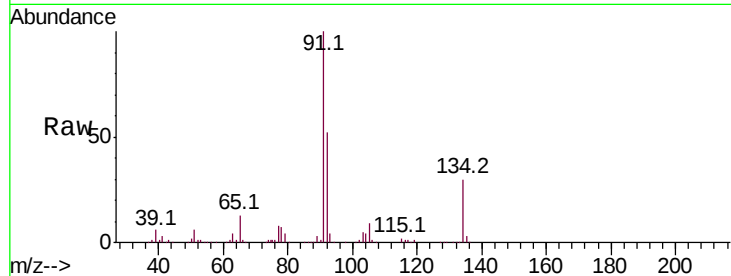




#89
n-Butylbenzene
Concen: 53.797 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

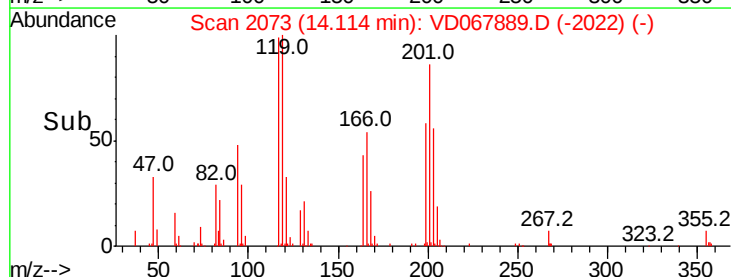
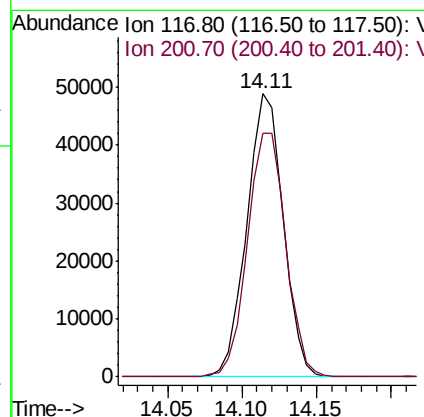
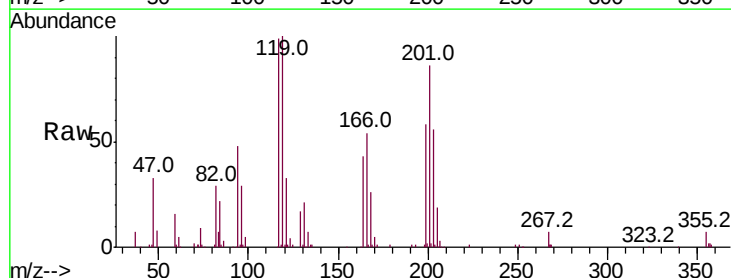
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

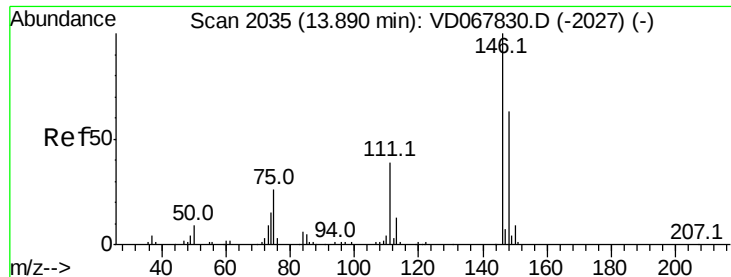
Tot Ion: 91 Resp: 395497
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.8
134 30.0 14.8 44.3



#90
Hexachloroethane
Concen: 50.384 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion: 117 Resp: 82312
Ion Ratio Lower Upper
117 100
201 90.6 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 49.604 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

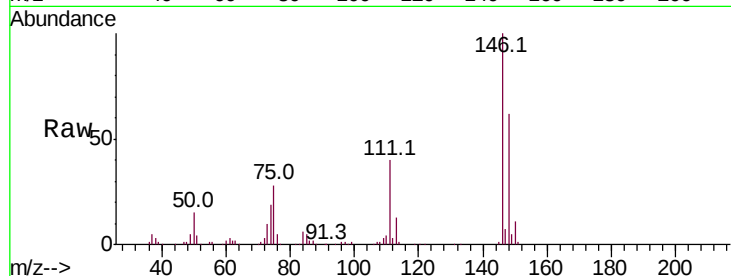
Tot Ion:146 Resp: 189434

Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.2

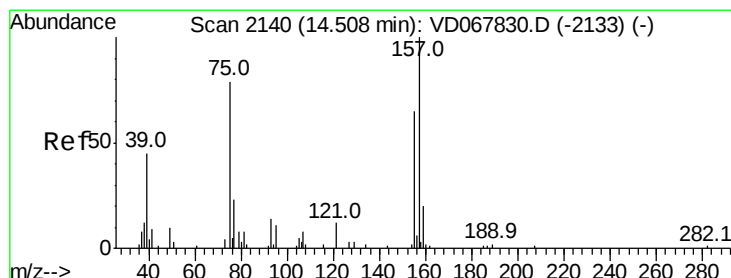
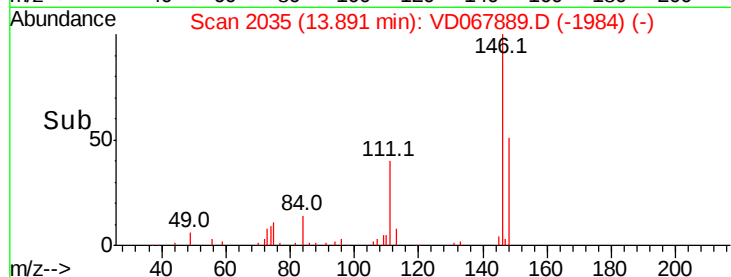
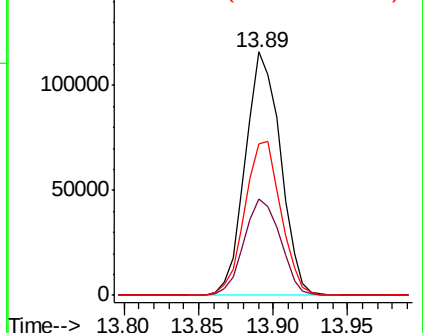
148 64.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.631 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD067889.D

Acq: 07 Dec 2020 10:00

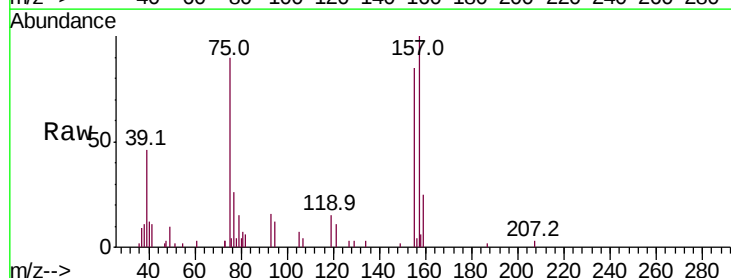
Tgt Ion: 75 Resp: 12809

Ion Ratio Lower Upper

75 100

155 90.4 44.1 132.4

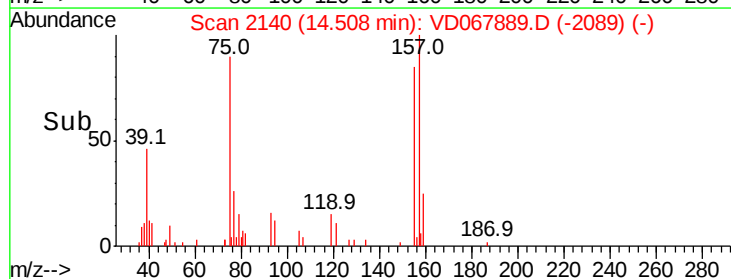
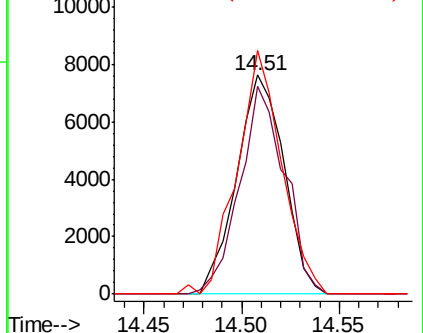
157 104.7 62.4 187.2

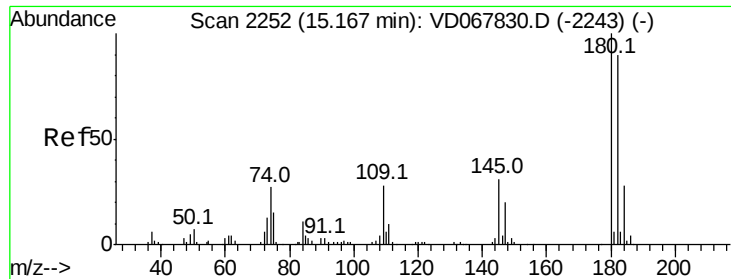


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

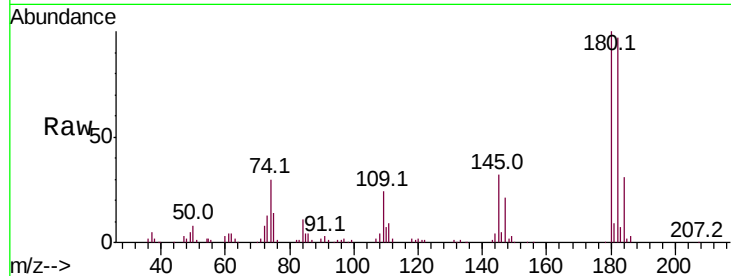




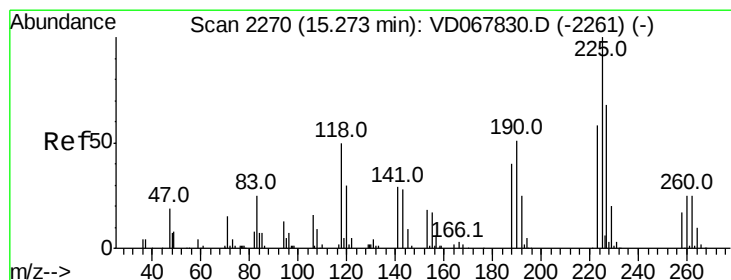
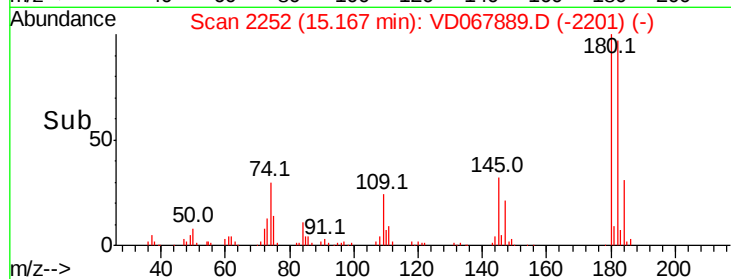
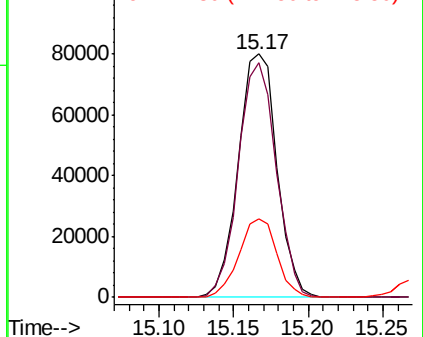
#93
 1,2,4-Trichlorobenzene
 Concen: 53.682 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.6
145	31.9	16.4	49.4

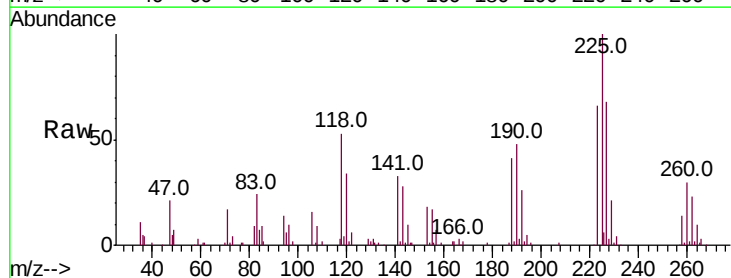


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

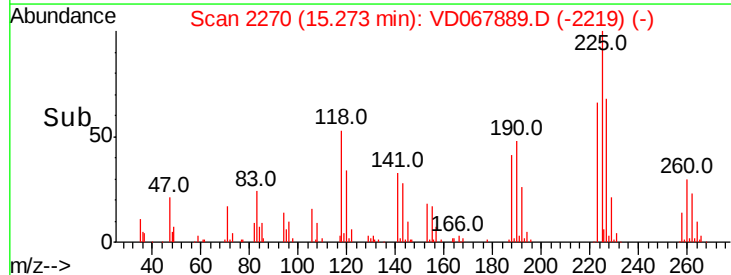
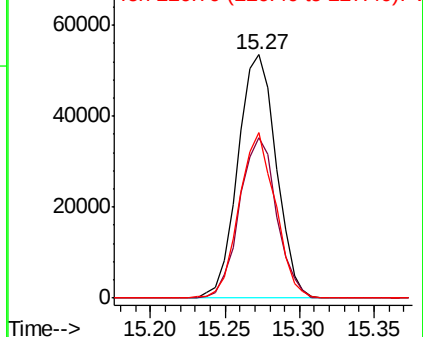


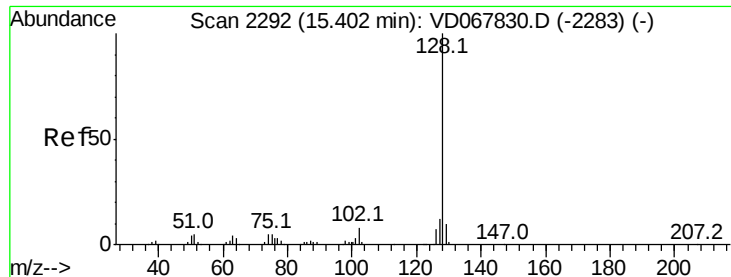
#94
 Hexachlorobutadiene
 Concen: 54.702 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067889.D
 Acq: 07 Dec 2020 10:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.3
227	64.2	33.1	99.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

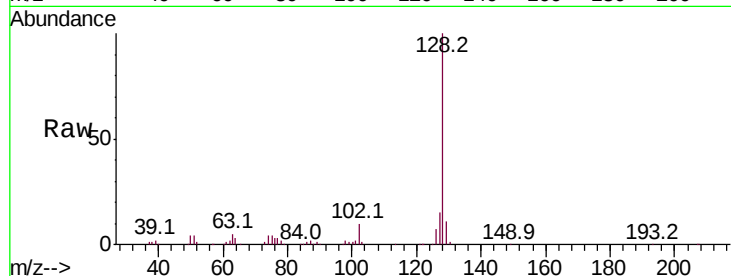




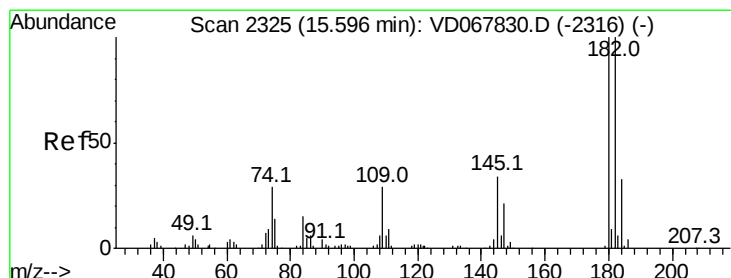
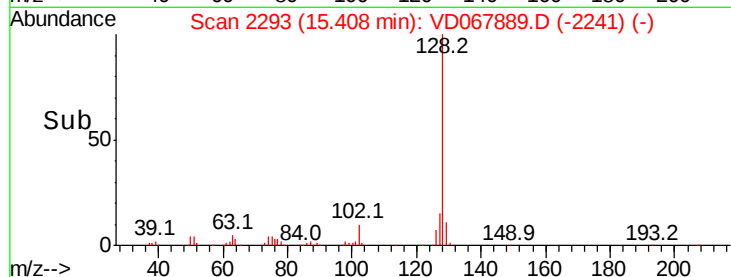
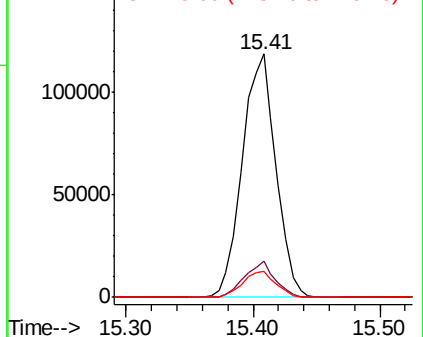
#95
Naphthalene
Concen: 50.163 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 218049
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.5 9.0 13.6

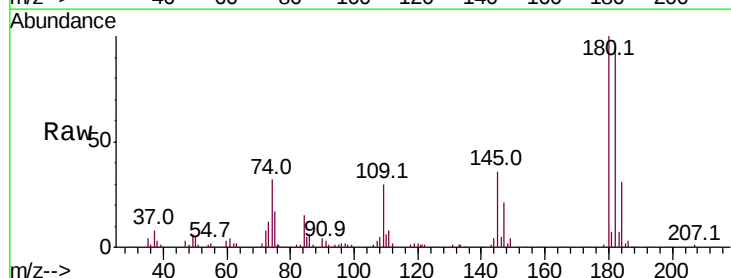


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.260 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067889.D
Acq: 07 Dec 2020 10:00

Tgt Ion:180 Resp: 120558
Ion Ratio Lower Upper
180 100
182 96.1 47.3 142.0
145 34.8 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

