

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067096.D
 Acq On : 06 Oct 2020 09:47
 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: Oct 07 01:08:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	642358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	583115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286793	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	199467	47.14	ug/l	0.00
Spiked Amount						
			Recovery	=	94.28%	
35) Dibromofluoromethane	7.91	113	216379	51.45	ug/l	0.00
Spiked Amount						
			Recovery	=	102.90%	
50) Toluene-d8	10.34	98	786734	51.34	ug/l	0.00
Spiked Amount						
			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.63	95	265302	51.00	ug/l	0.00
Spiked Amount						
			Recovery	=	102.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	201172	57.644	ug/l	99
3) Chloromethane	2.21	50	147677	42.213	ug/l	96
4) Vinyl Chloride	2.35	62	161225	45.961	ug/l	99
5) Bromomethane	2.77	94	112270	49.621	ug/l	97
6) Chloroethane	2.92	64	96921	45.369	ug/l	94
7) Trichlorofluoromethane	3.27	101	384344	49.316	ug/l	99
8) Diethyl Ether	3.71	74	92505	47.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	220528	50.063	ug/l	97
10) Methyl Iodide	4.30	142	200370	46.813	ug/l	99
11) Tert butyl alcohol	5.21	59	55320	216.594	ug/l	100
12) 1,1-Dichloroethene	4.07	96	200497	48.417	ug/l	97
13) Acrolein	3.92	56	71709	253.102	ug/l	100
14) Allyl chloride	4.71	41	253661	47.152	ug/l	98
15) Acrylonitrile	5.42	53	170033	239.047	ug/l	99
16) Acetone	4.16	43	195241	302.279	ug/l	99
17) Carbon Disulfide	4.41	76	603890	47.518	ug/l	98
18) Methyl Acetate	4.71	43	77693	47.859	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	385853	51.042	ug/l	94
20) Methylene Chloride	4.96	84	229290	50.030	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	234549	49.770	ug/l	97
22) Diisopropyl ether	6.36	45	468974	47.751	ug/l	96
23) Vinyl Acetate	6.30	43	1380775	248.103	ug/l	99
24) 1,1-Dichloroethane	6.26	63	364380	48.074	ug/l	99
25) 2-Butanone	7.21	43	207336	226.416	ug/l	93
26) 2,2-Dichloropropane	7.20	77	347280	53.905	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	250165	49.704	ug/l	98
28) Bromochloromethane	7.54	49	131643	44.974	ug/l	93
29) Tetrahydrofuran	7.56	42	124634	236.705	ug/l	93
30) Chloroform	7.71	83	404354	49.179	ug/l	99
31) Cyclohexane	7.98	56	298510	46.977	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	389288	51.088	ug/l	97
36) 1,1-Dichloropropene	8.11	75	312834	52.248	ug/l	98
37) Ethyl Acetate	7.29	43	99863	48.145	ug/l	97
38) Carbon Tetrachloride	8.10	117	354797	54.766	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	350743	55.408	ug/l	99
40) Benzene	8.35	78	858189	51.603	ug/l	99
41) Methacrylonitrile	7.52	41	60287	53.799	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	237075	51.016	ug/l	99
43) Isopropyl Acetate	8.45	43	192203	50.299	ug/l	99
44) Trichloroethene	9.11	130	269109	54.190	ug/l	97
45) 1,2-Dichloropropane	9.38	63	207606	53.129	ug/l	97
46) Dibromomethane	9.47	93	120639	53.716	ug/l	98
47) Bromodichloromethane	9.66	83	309738	53.055	ug/l	96
48) Methyl methacrylate	9.46	41	94505	48.275	ug/l #	82
49) 1,4-Dioxane	9.46	88	24101	1028.213	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	493460	259.263	ug/l	99
52) Toluene	10.40	92	567622	52.985	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	277696	53.223	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	335227	52.615	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	161430	51.700	ug/l	93
56) Ethyl methacrylate	10.66	69	184653	57.279	ug/l	99
57) 1,3-Dichloropropane	10.94	76	265037	52.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	477531	266.142	ug/l	96
59) 2-Hexanone	10.98	43	351729	276.874	ug/l	97
60) Dibromochloromethane	11.14	129	226597	54.448	ug/l	98
61) 1,2-Dibromoethane	11.24	107	158549	52.853	ug/l	98
64) Tetrachloroethene	10.87	164	223868	52.808	ug/l	96
65) Chlorobenzene	11.67	112	616599	53.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	239225	54.228	ug/l	98
67) Ethyl Benzene	11.74	91	1093693	55.040	ug/l	98
68) m/p-Xylenes	11.86	106	832485	107.500	ug/l	98
69) o-Xylene	12.18	106	379318	54.774	ug/l	96
70) Styrene	12.20	104	653272	54.936	ug/l	99
71) Bromoform	12.36	173	127042	55.478	ug/l #	99
73) Isopropylbenzene	12.48	105	1085482	55.741	ug/l	100
74) N-amyl acetate	12.29	43	173802	49.648	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	163758	49.911	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	216895	86.825	ug/l #	100
77) Bromobenzene	12.76	156	250084	53.185	ug/l	96
78) n-propylbenzene	12.82	91	1262519	54.858	ug/l	99
79) 2-Chlorotoluene	12.91	91	697270	52.953	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	913876	55.545	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52606	52.502	ug/l	97
82) 4-Chlorotoluene	13.01	91	737312	52.629	ug/l	99
83) tert-Butylbenzene	13.23	119	765443	55.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	907163	55.249	ug/l	98
85) sec-Butylbenzene	13.40	105	1071761	54.930	ug/l	100
86) p-Isopropyltoluene	13.52	119	1006788	55.657	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	484263	52.873	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	473132	51.663	ug/l	99
89) n-Butylbenzene	13.85	91	917672	55.509	ug/l	99
90) Hexachloroethane	14.11	117	170094	53.681	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	414125	51.773	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26742	50.562	ug/l	96

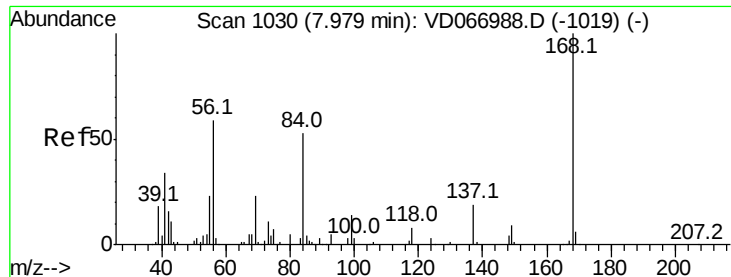
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	293774	56.780	ug/l	99
94) Hexachlorobutadiene	15.27	225	178082	56.044	ug/l	99
95) Naphthalene	15.41	128	498566	57.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	253928	56.536	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

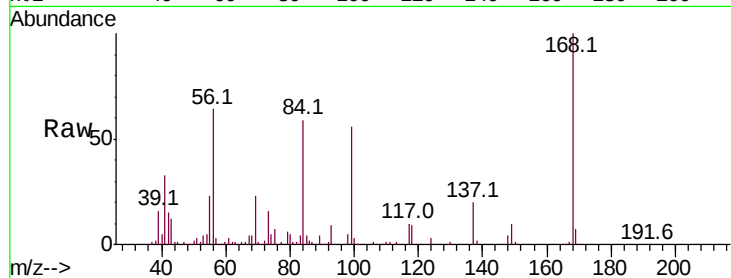
VSTDCCC050

Tot Ion:168 Resp: 439288

Ion Ratio Lower Upper

168 100

99 55.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

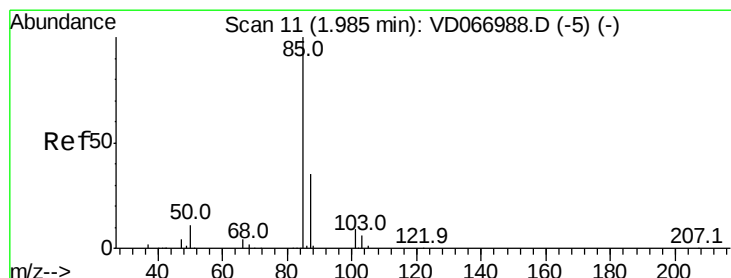
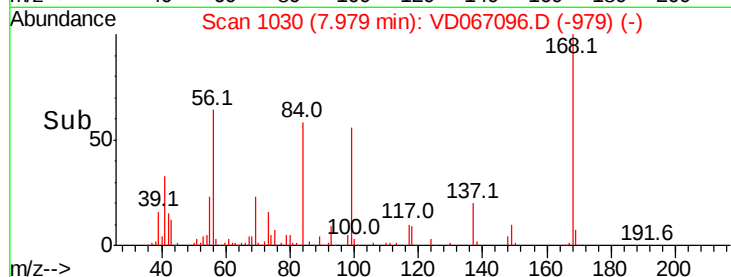
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 57.644 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067096.D

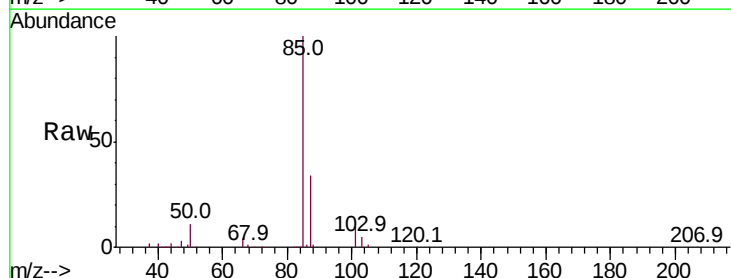
Acq: 06 Oct 2020 09:47

Tgt Ion: 85 Resp: 201172

Ion Ratio Lower Upper

85 100

87 34.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

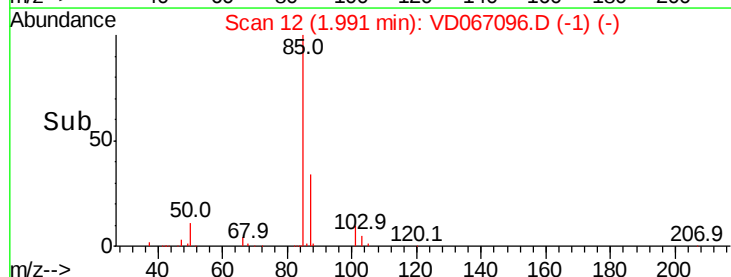
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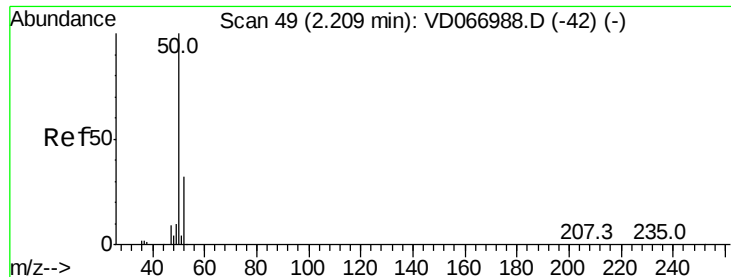
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 42.213 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

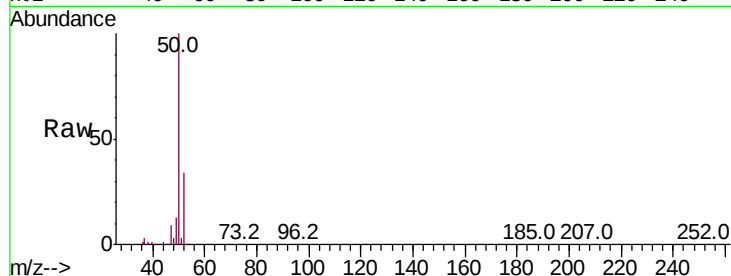
VSTDCCC050

Tot Ion: 50 Resp: 147677

Ion Ratio Lower Upper

50 100

52 33.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

120000

100000

80000

60000

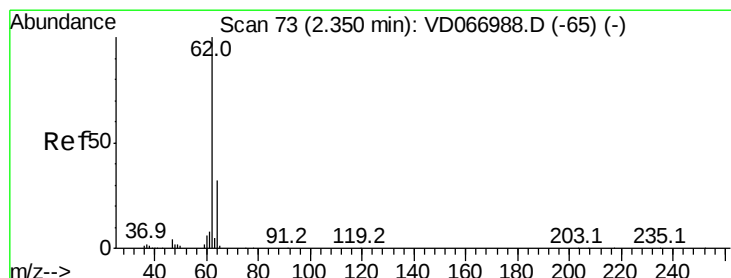
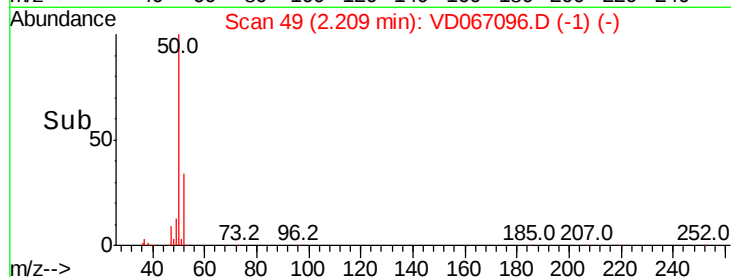
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 45.961 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067096.D

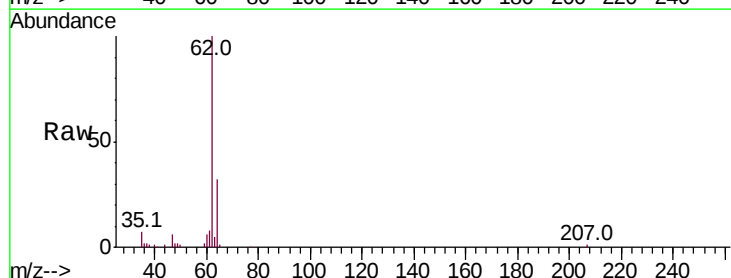
Acq: 06 Oct 2020 09:47

Tgt Ion: 62 Resp: 161225

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

120000

100000

80000

60000

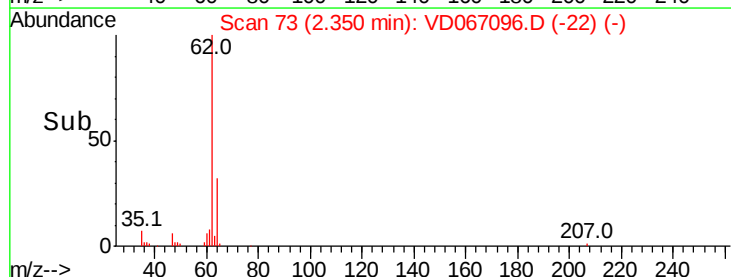
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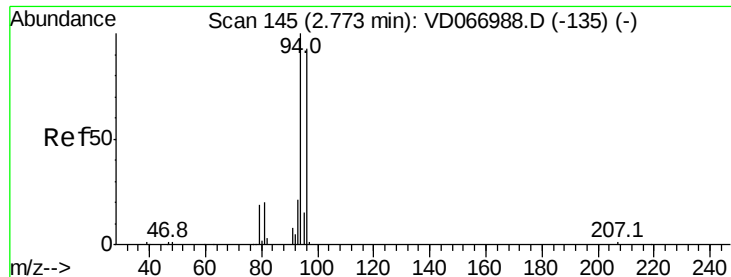
20000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 49.621 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

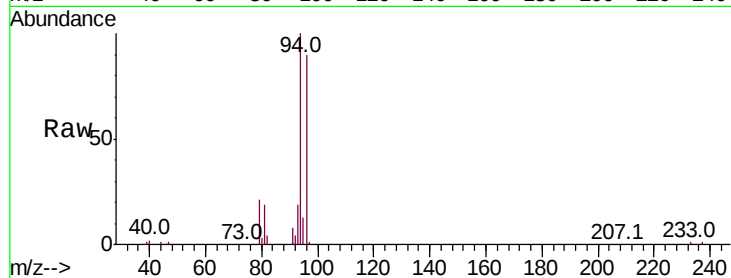
VSTDCCC050

Tot Ion: 94 Resp: 112270

Ion Ratio Lower Upper

94 100

96 90.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

50000

40000

30000

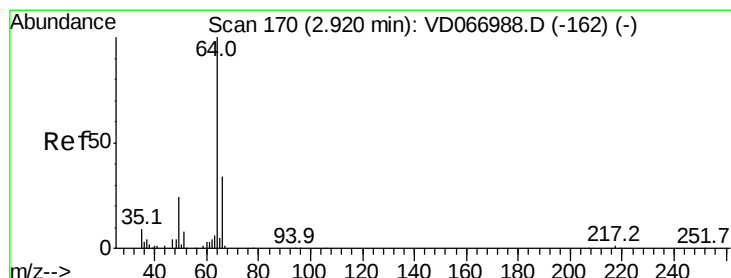
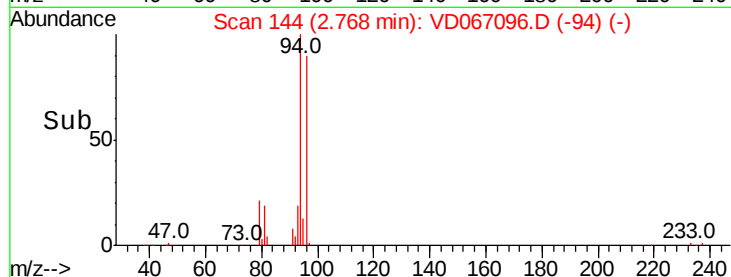
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 45.369 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067096.D

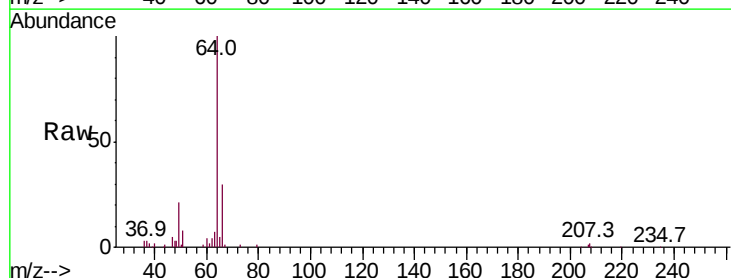
Acq: 06 Oct 2020 09:47

Tgt Ion: 64 Resp: 96921

Ion Ratio Lower Upper

64 100

66 30.3 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

50000

40000

30000

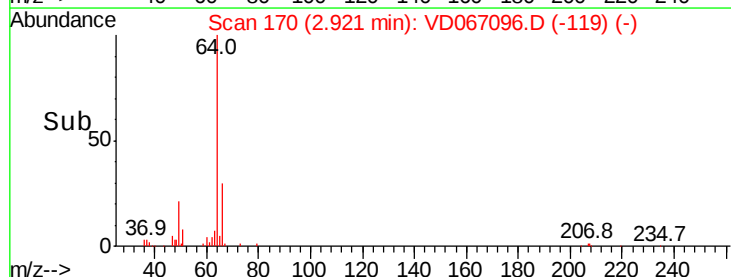
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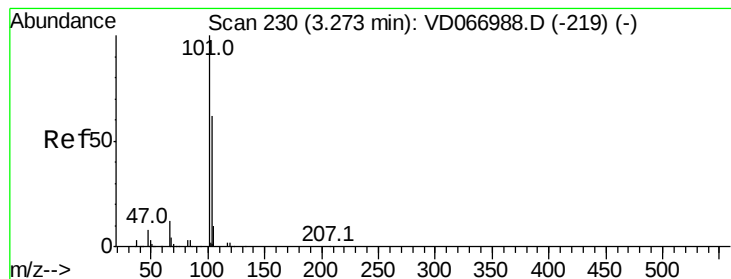
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0

Time-->

2.85 2.90 2.95 3.00



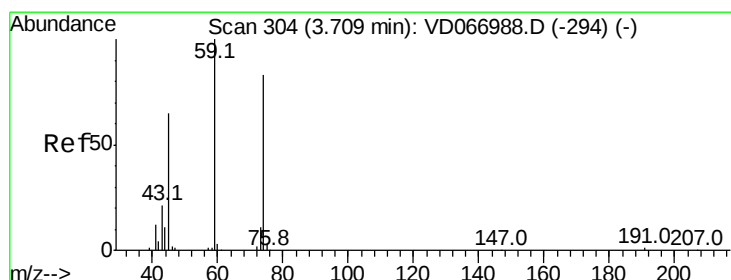
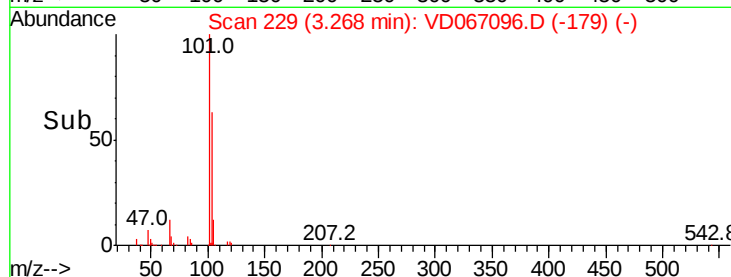
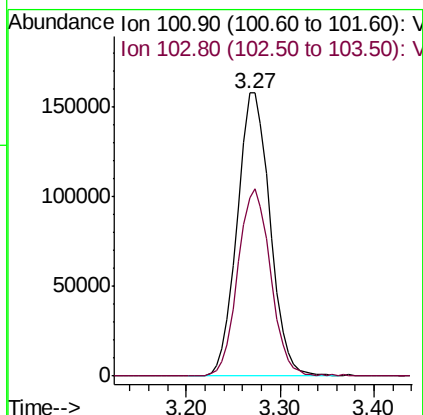
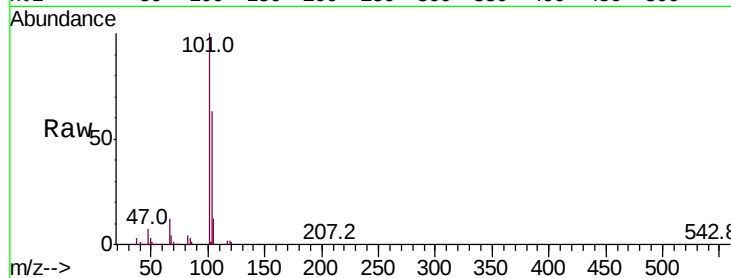


#7

Trichlorofluoromethane
Concen: 49.316 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
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VSTDCCC050

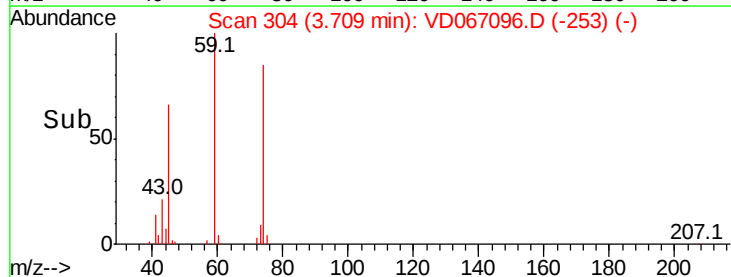
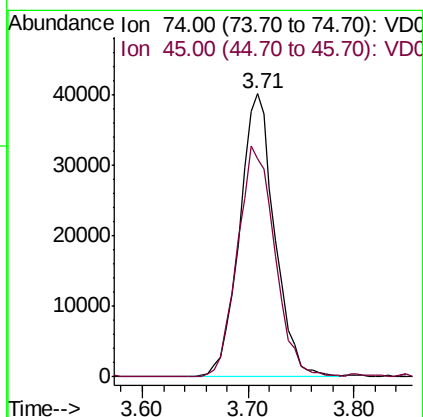
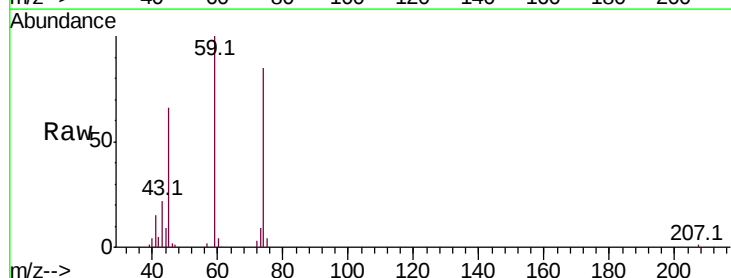
Tot Ion:101 Resp: 384344
Ion Ratio Lower Upper
101 100
103 62.9 49.8 74.8

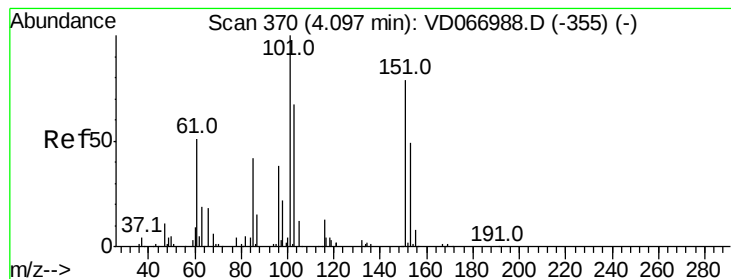


#8

Diethyl Ether
Concen: 47.865 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 74 Resp: 92505
Ion Ratio Lower Upper
74 100
45 86.7 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.063 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

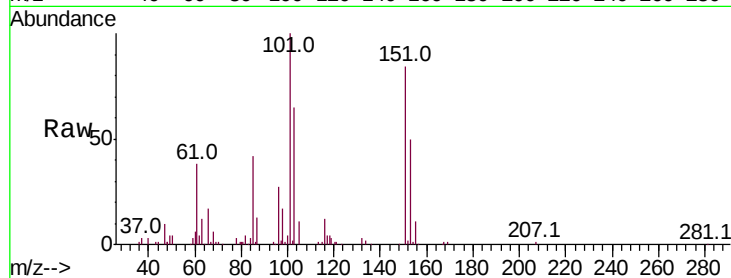
Tot Ion:101 Resp: 220528

Ion Ratio Lower Upper

101 100

85 42.8 33.8 50.8

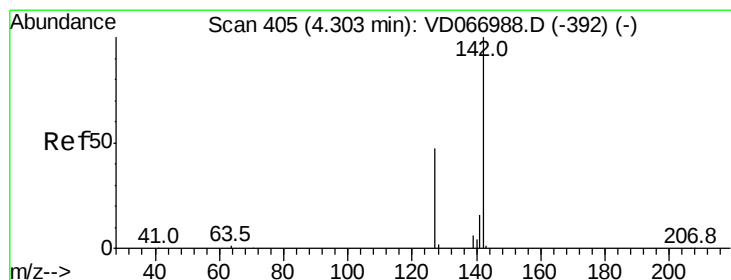
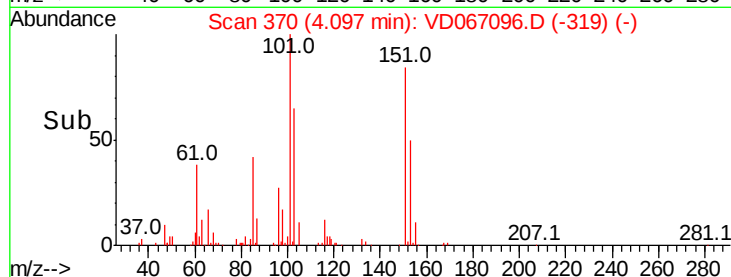
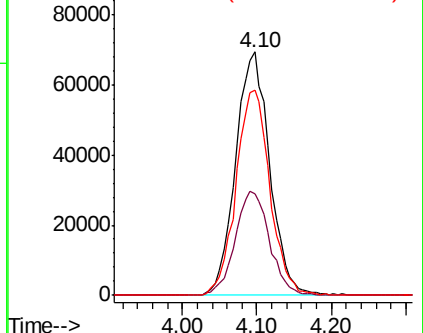
151 83.5 63.8 95.8



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: 46.813 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

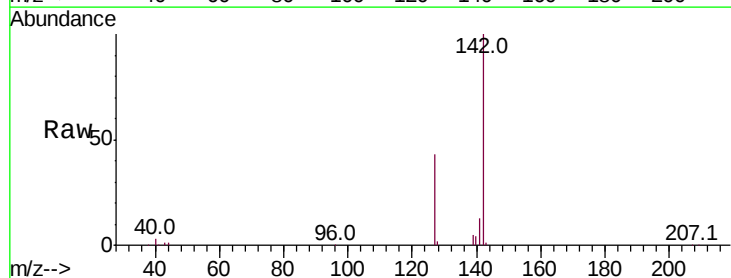
Tgt Ion:142 Resp: 200370

Ion Ratio Lower Upper

142 100

127 45.8 36.3 54.5

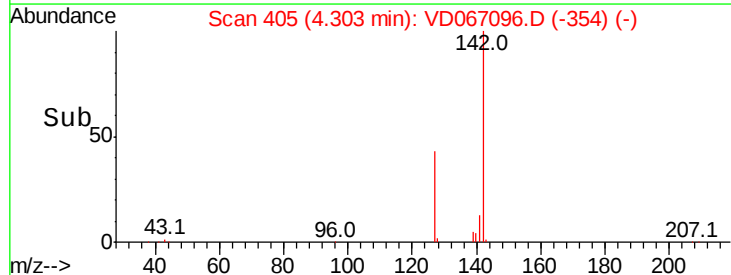
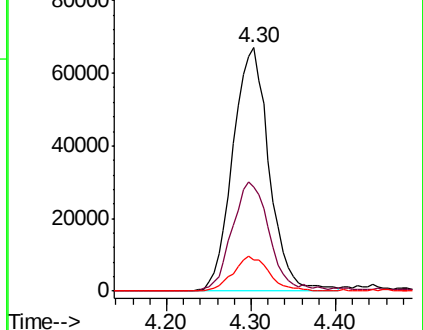
141 14.1 12.0 18.0

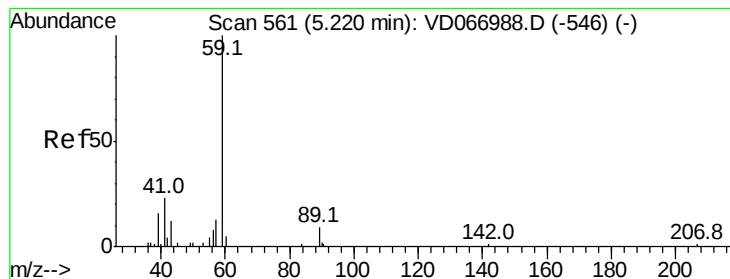


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



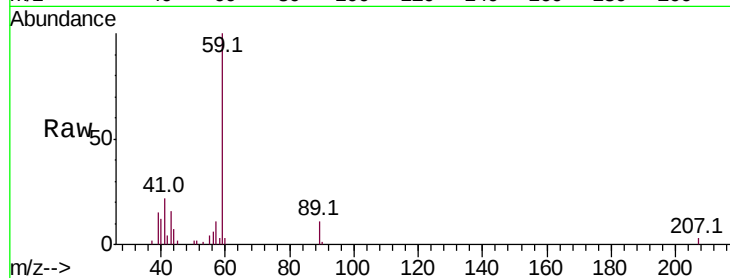


#11

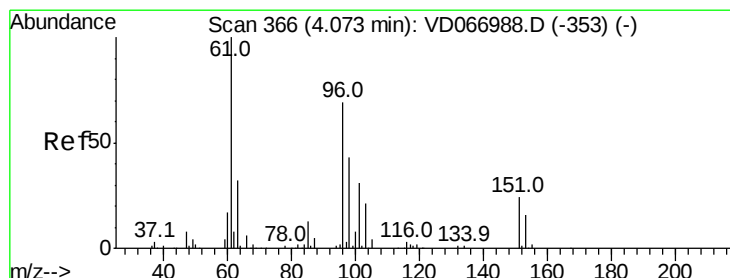
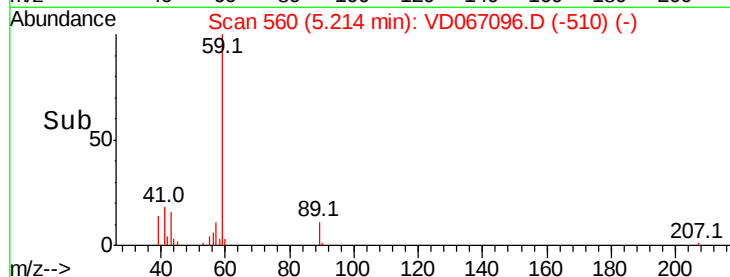
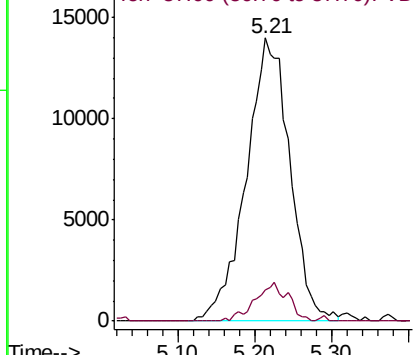
Tert butyl alcohol
 Concen: 216.594 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 55320
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4



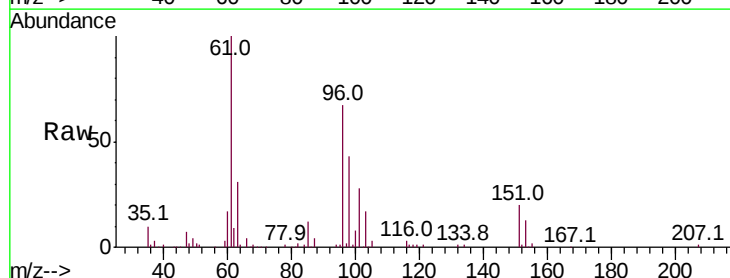
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



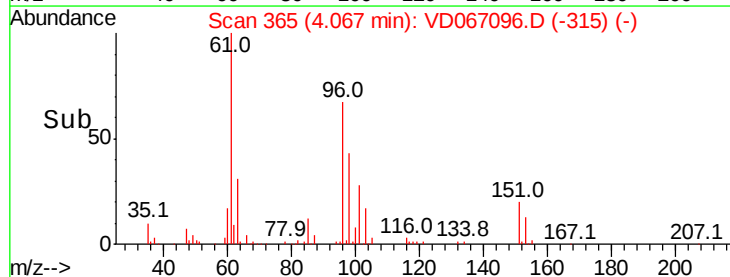
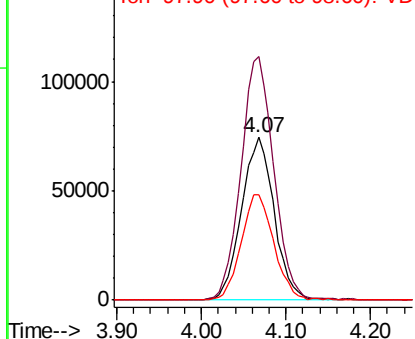
#12

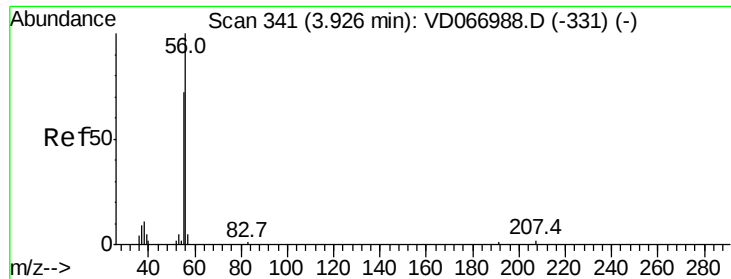
1,1-Dichloroethene
 Concen: 48.417 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion: 96 Resp: 200497
 Ion Ratio Lower Upper
 96 100
 61 149.8 116.4 174.6
 98 64.7 49.9 74.9



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





#13

Acrolein

Concen: 253.102 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

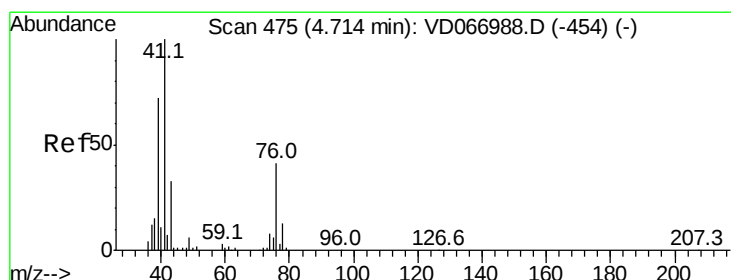
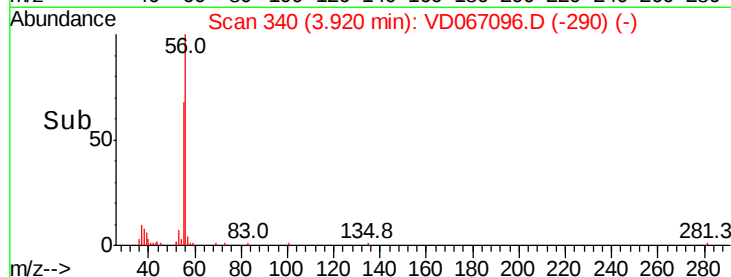
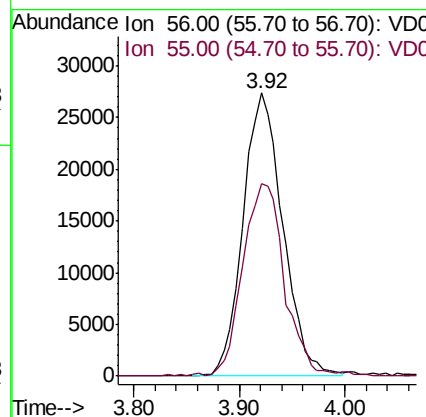
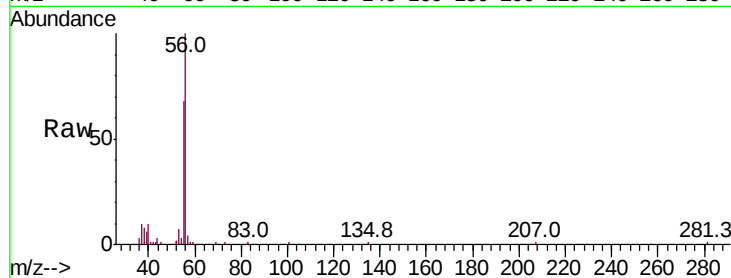
VSTDCCC050

Tot Ion: 56 Resp: 71709

Ion Ratio Lower Upper

56 100

55 71.0 56.9 85.3



#14

Allyl chloride

Concen: 47.152 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

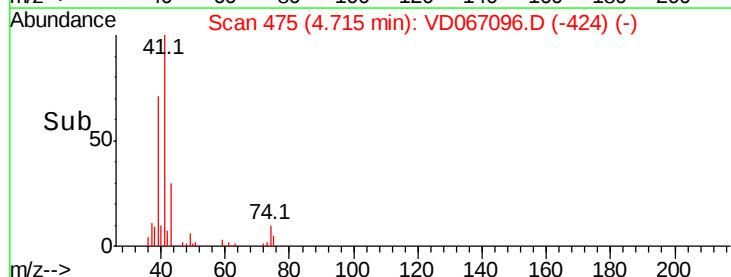
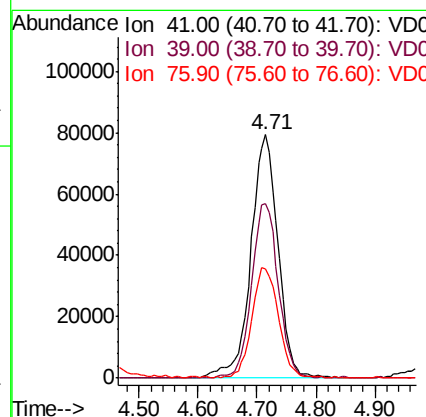
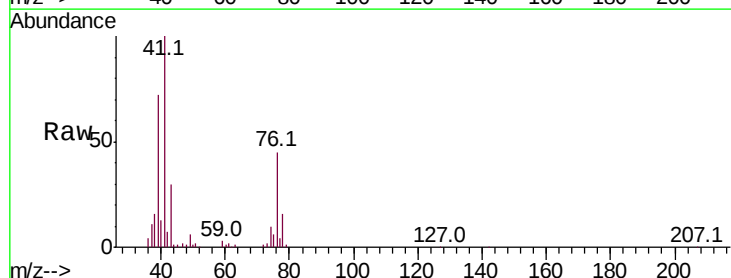
Tgt Ion: 41 Resp: 253661

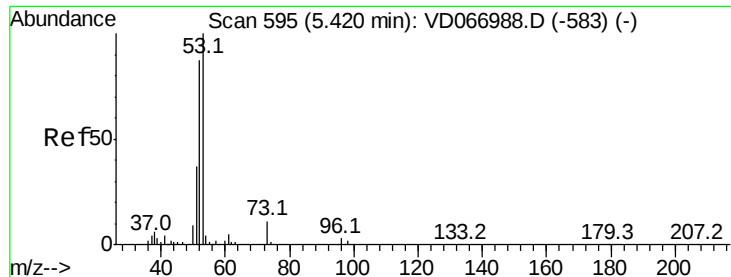
Ion Ratio Lower Upper

41 100

39 70.7 56.2 84.2

76 44.6 34.2 51.2





#15

Acrylonitrile

Concen: 239.047 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

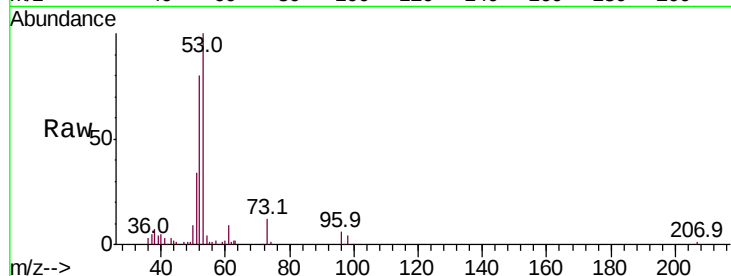
Tot Ion: 53 Resp: 170033

Ion Ratio Lower Upper

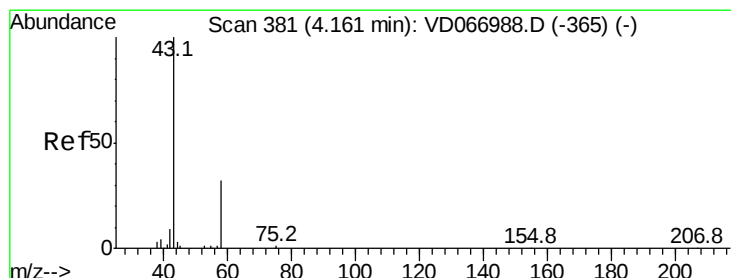
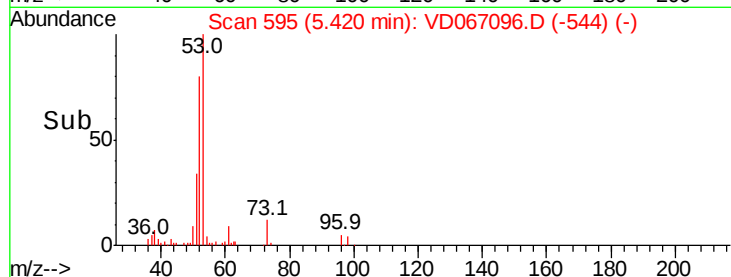
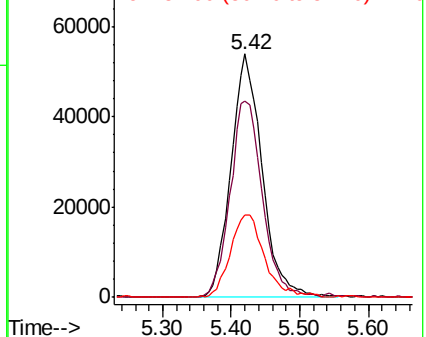
53 100

52 83.0 67.3 100.9

51 36.7 30.2 45.2



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: 302.279 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067096.D

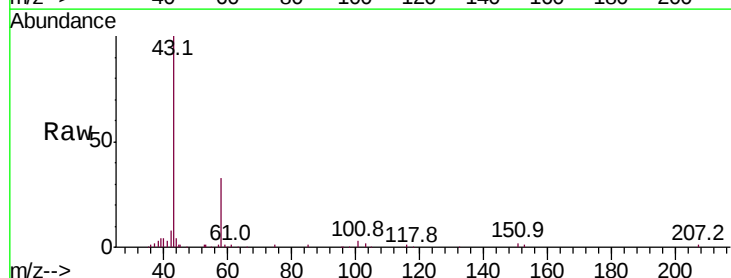
Acq: 06 Oct 2020 09:47

Tgt Ion: 43 Resp: 195241

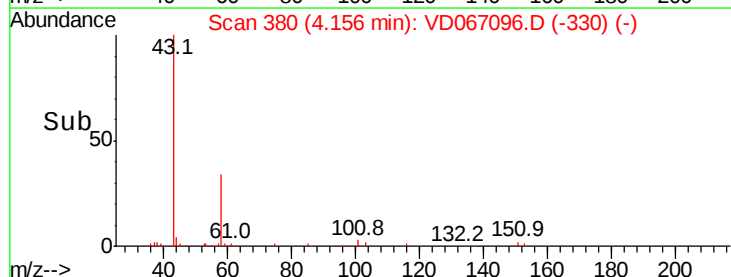
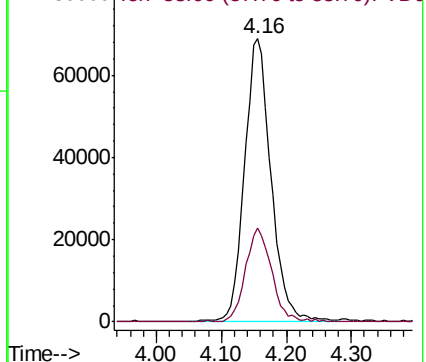
Ion Ratio Lower Upper

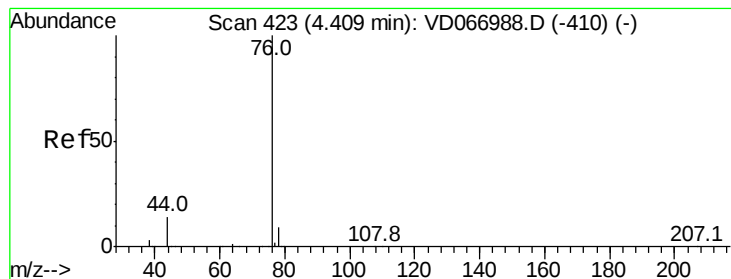
43 100

58 33.1 25.9 38.9



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





#17

Carbon Disulfide

Concen: 47.518 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

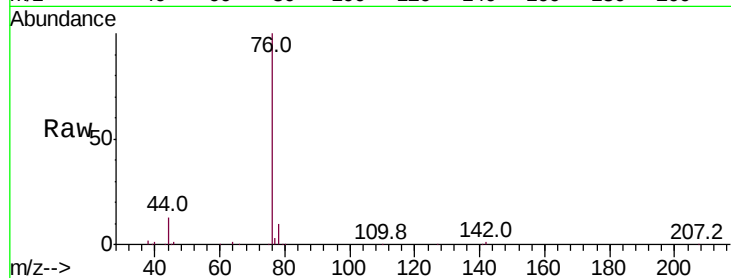
VSTDCCC050

Tot Ion: 76 Resp: 603890

Ion Ratio Lower Upper

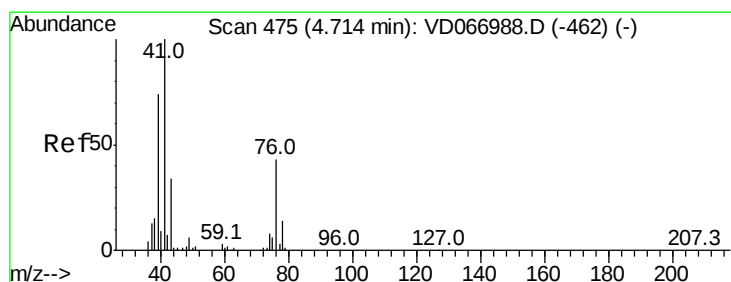
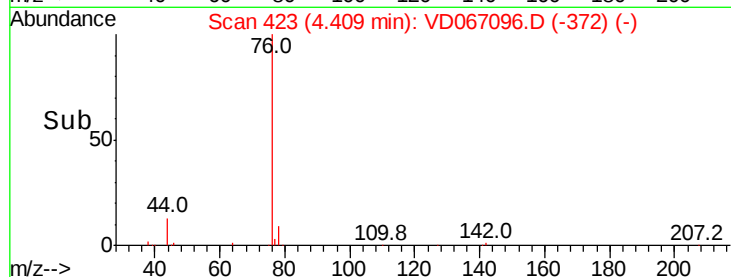
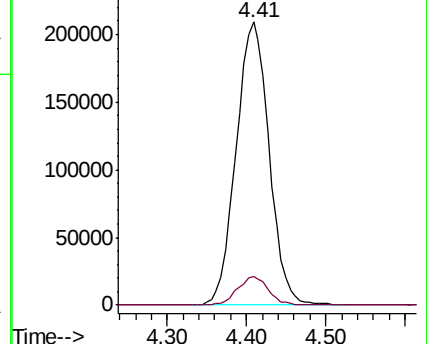
76 100

78 10.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.859 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067096.D

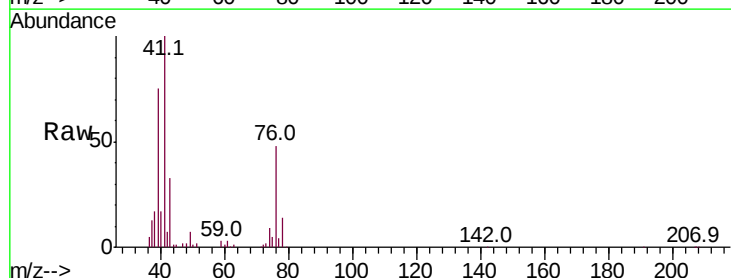
Acq: 06 Oct 2020 09:47

Tgt Ion: 43 Resp: 77693

Ion Ratio Lower Upper

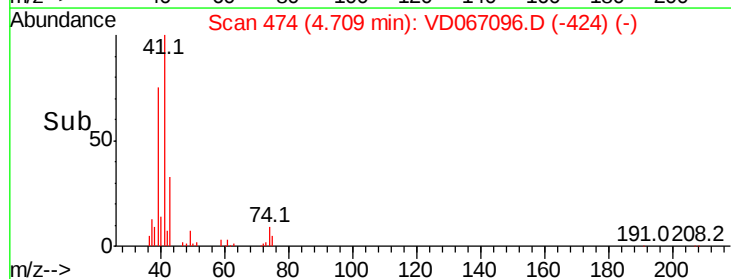
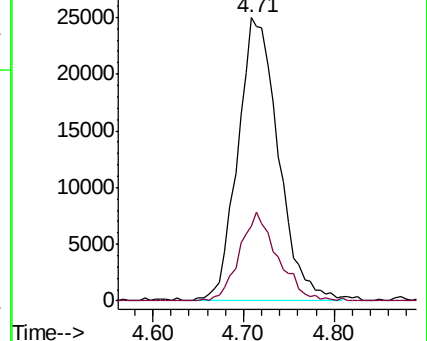
43 100

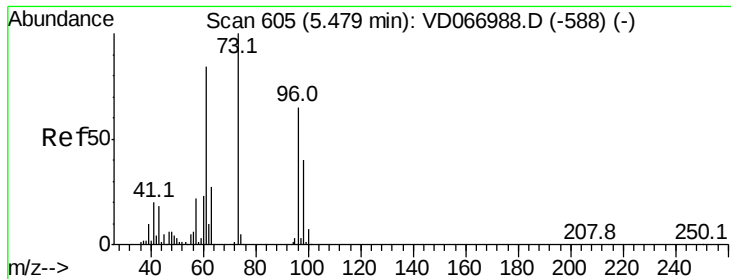
74 29.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



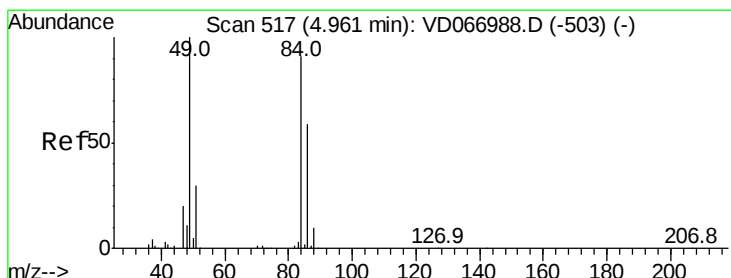
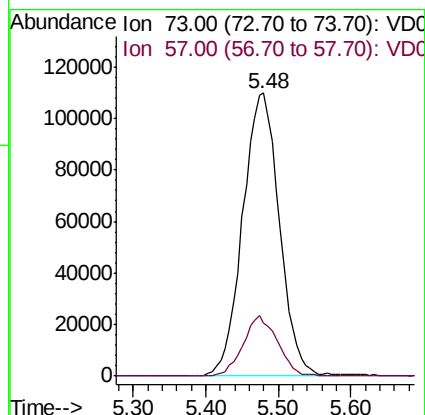
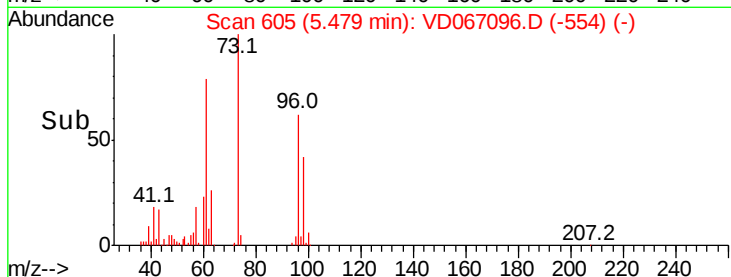
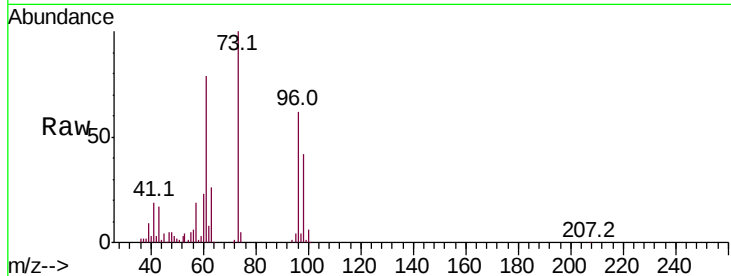


#19

Methyl tert-butyl Ether
 Concen: 51.042 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

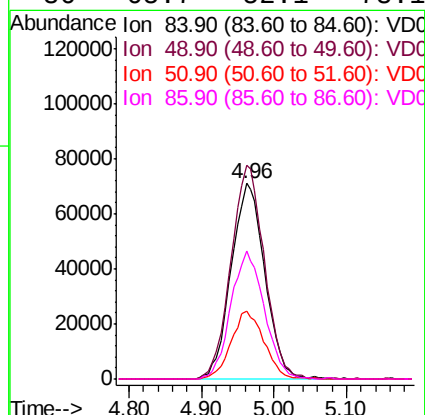
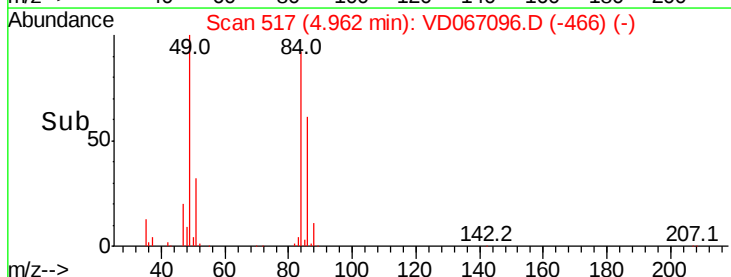
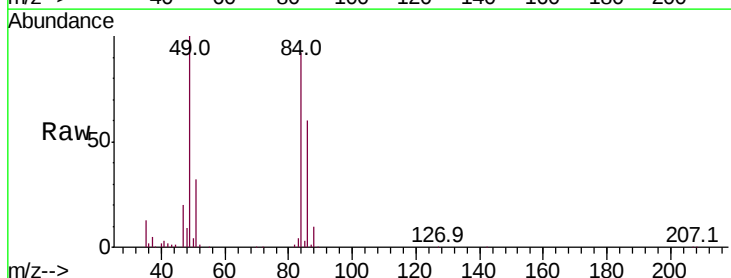
Tot Ion: 73 Resp: 385853
 Ion Ratio Lower Upper
 73 100
 57 18.8 17.4 26.0

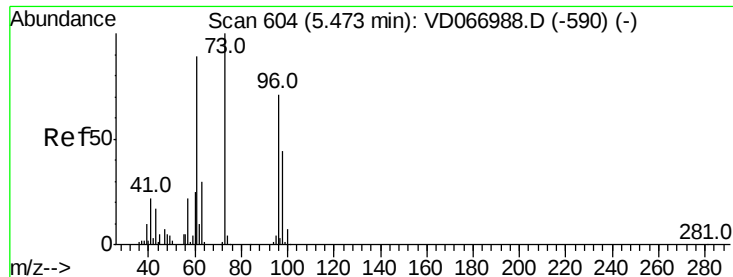


#20

Methylene Chloride
 Concen: 50.030 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion: 84 Resp: 229290
 Ion Ratio Lower Upper
 84 100
 49 109.1 88.2 132.2
 51 35.0 26.6 39.8
 86 65.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 49.770 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

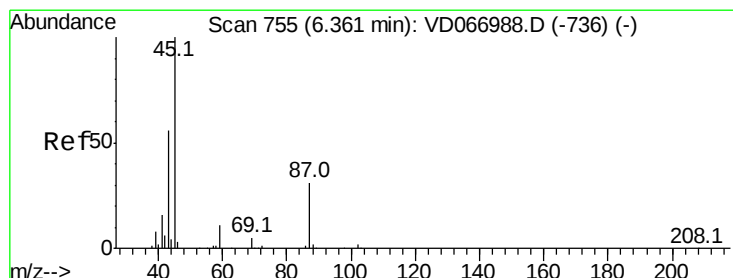
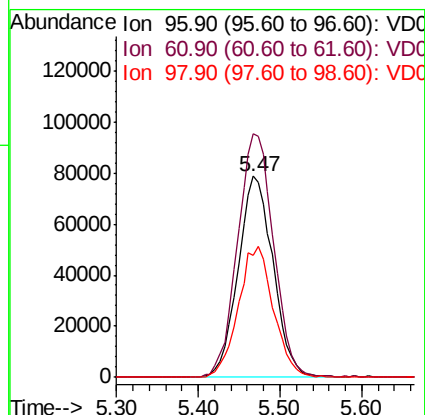
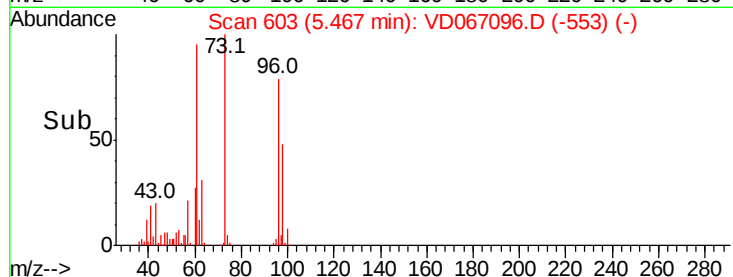
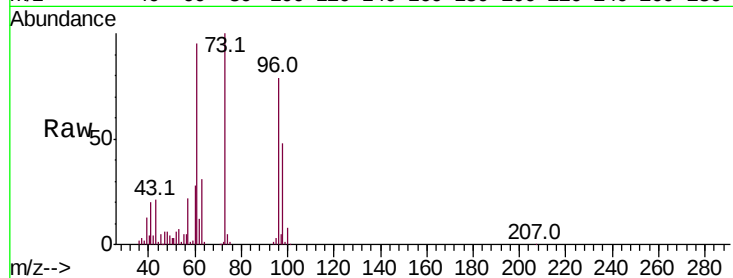
Tot Ion: 96 Resp: 234549

Ion Ratio Lower Upper

96 100

61 121.2 99.6 149.4

98 60.4 49.4 74.2



#22

Diisopropyl ether

Concen: 47.751 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion: 45 Resp: 468974

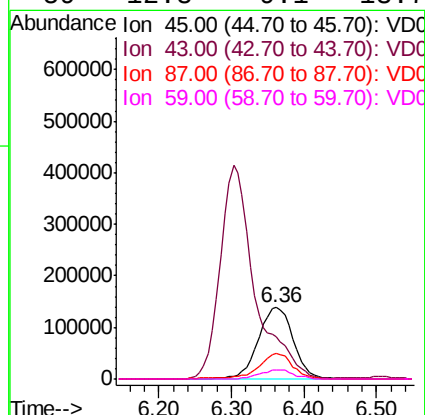
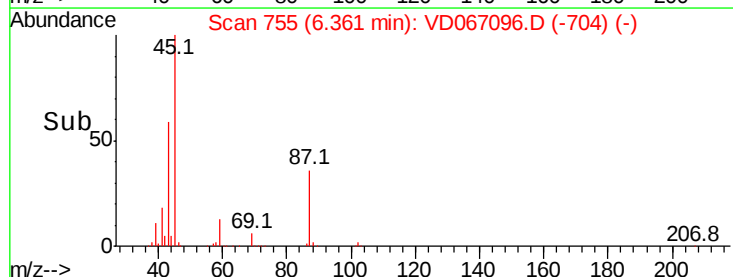
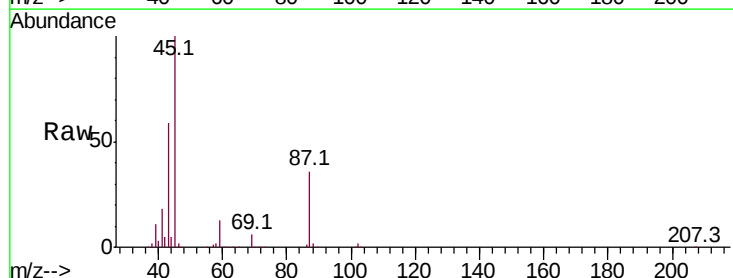
Ion Ratio Lower Upper

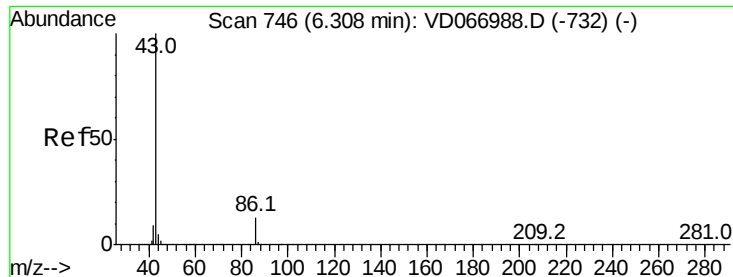
45 100

43 58.2 45.2 67.8

87 35.5 25.6 38.4

59 12.8 9.1 13.7





#23

Vinyl Acetate

Concen: 248.103 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

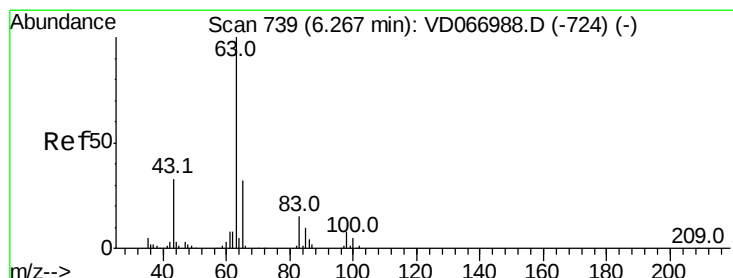
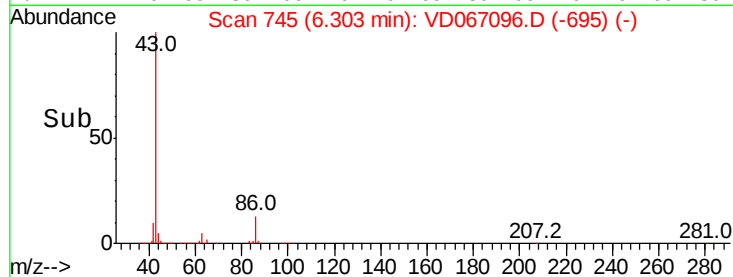
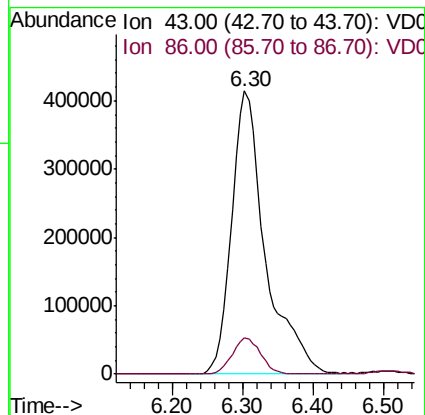
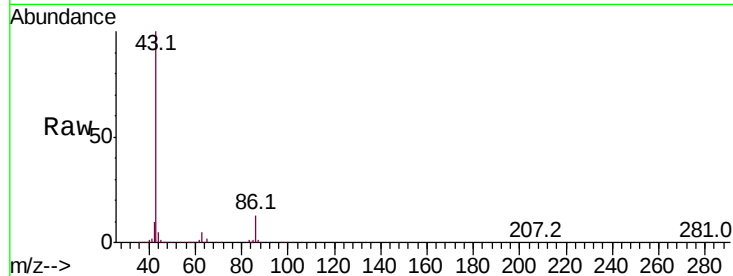
VSTDCCC050

Tot Ion: 43 Resp: 1380775

Ion Ratio Lower Upper

43 100

86 13.1 10.2 15.2



#24

1,1-Dichloroethane

Concen: 48.074 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

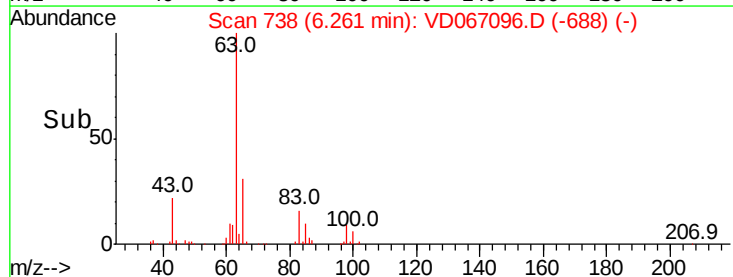
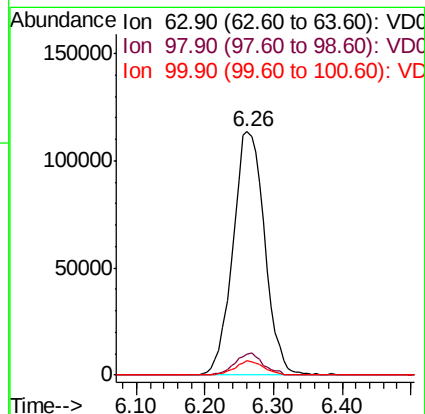
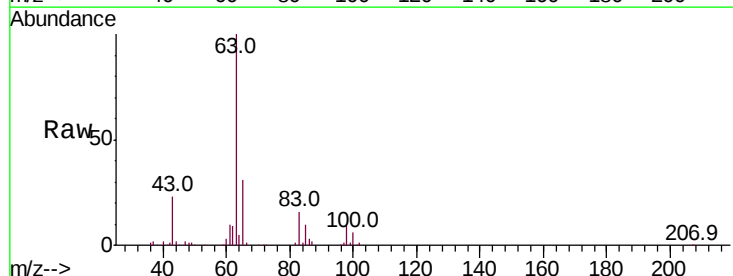
Tgt Ion: 63 Resp: 364380

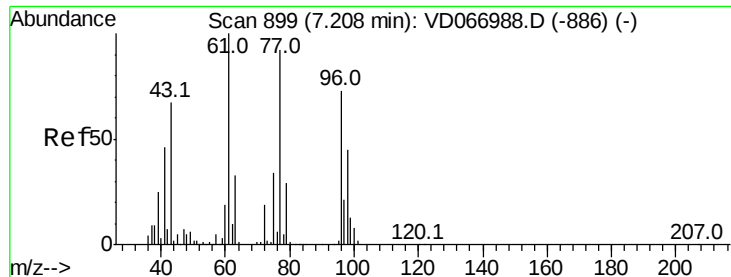
Ion Ratio Lower Upper

63 100

98 8.7 4.2 12.6

100 5.9 2.6 7.8

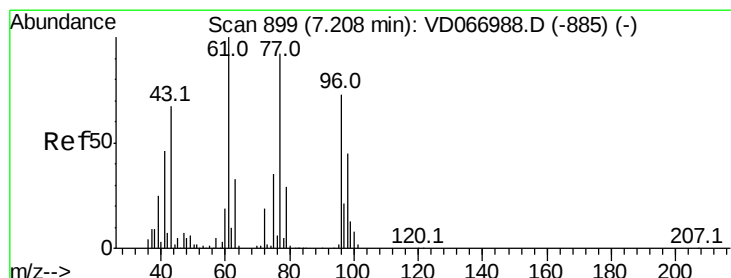
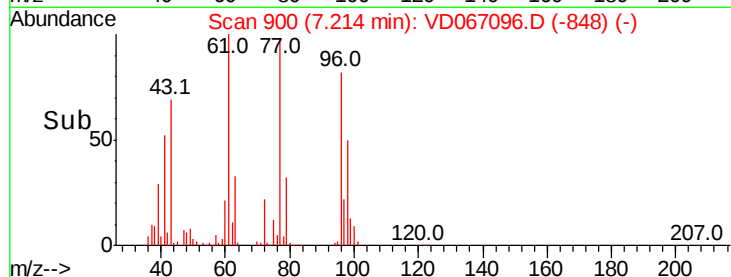
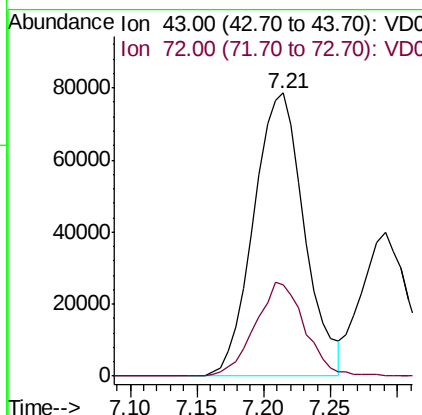
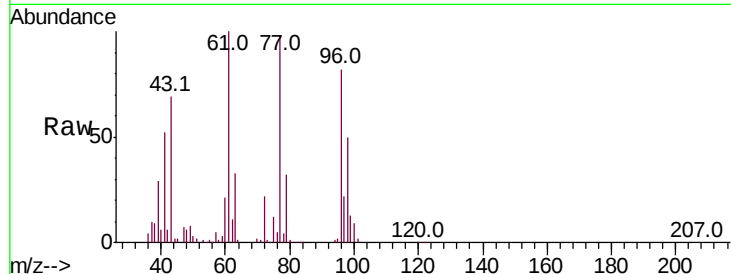




#25
2-Butanone
Concen: 226.416 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

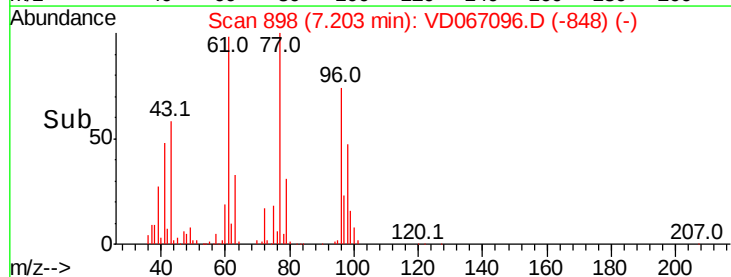
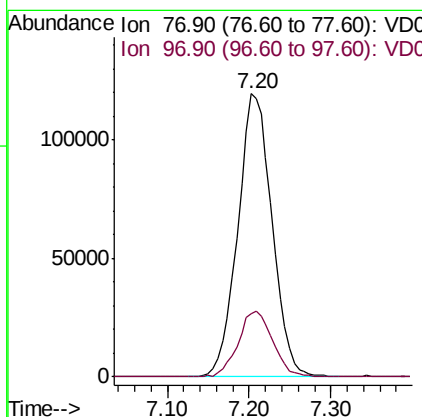
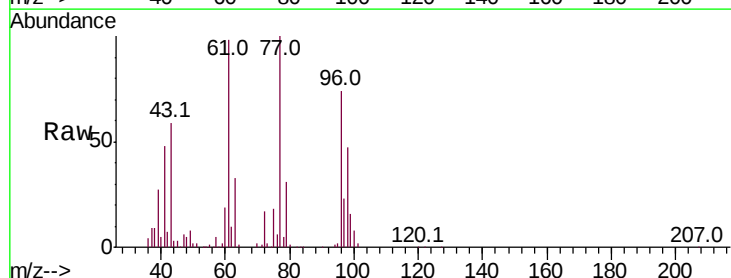
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

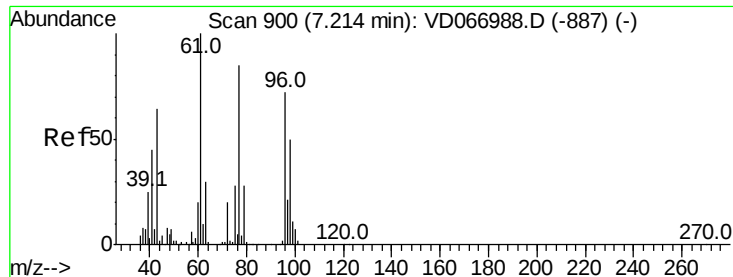
Tot Ion: 43 Resp: 207336
Ion Ratio Lower Upper
43 100
72 32.1 22.8 34.2



#26
2,2-Dichloropropane
Concen: 53.905 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 77 Resp: 347280
Ion Ratio Lower Upper
77 100
97 23.5 11.4 34.2



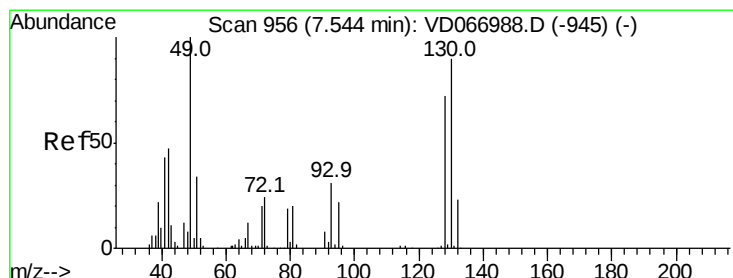
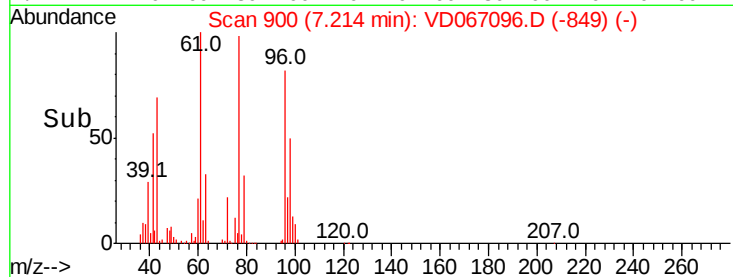
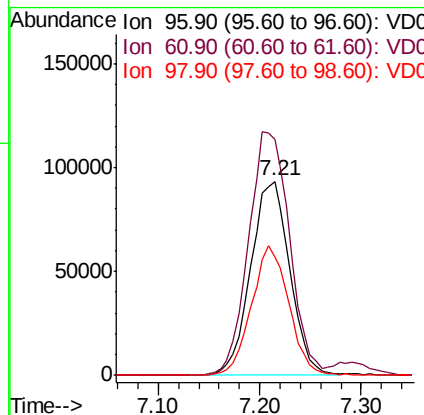
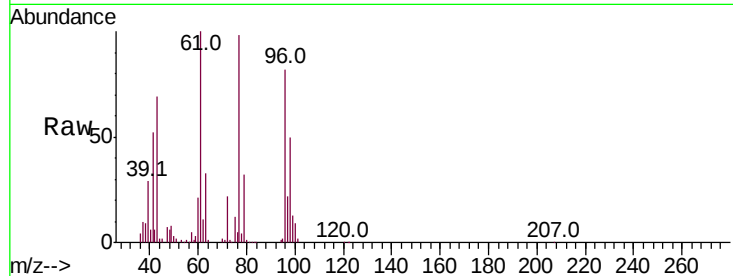


#27

cis-1,2-Dichloroethene
 Concen: 49.704 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

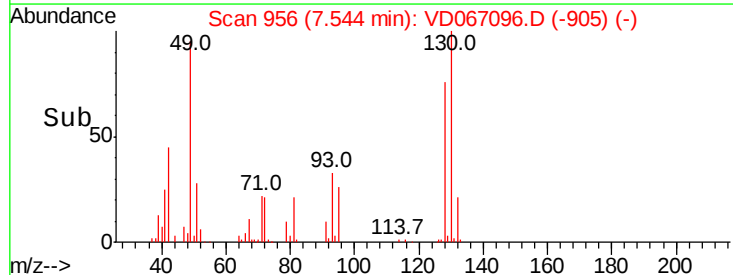
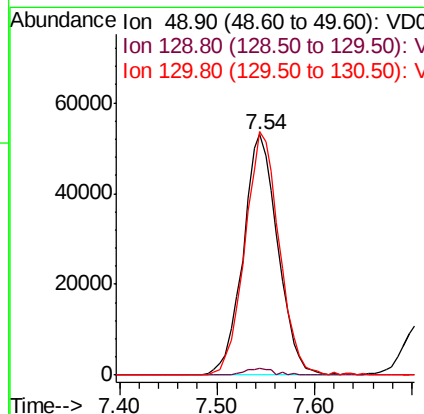
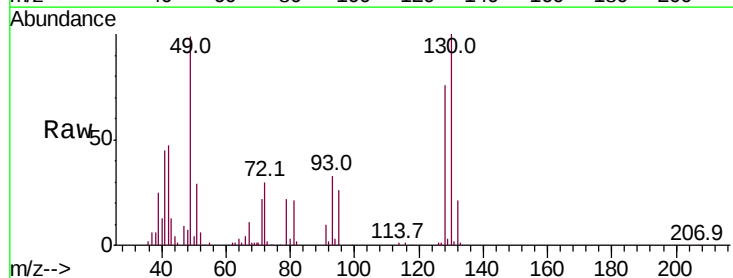
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	269.2
98	63.6	0.0	129.4

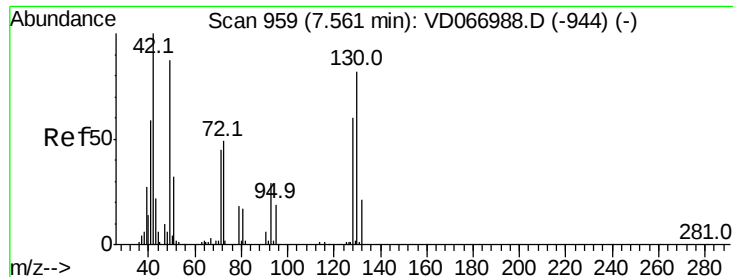


#28

Bromochloromethane
 Concen: 44.974 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	99.9	74.1	111.1





#29

Tetrahydrofuran

Concen: 236.705 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

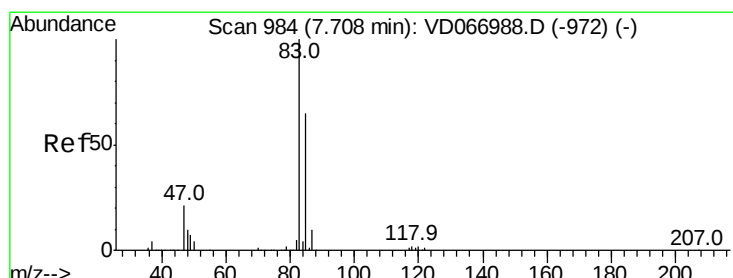
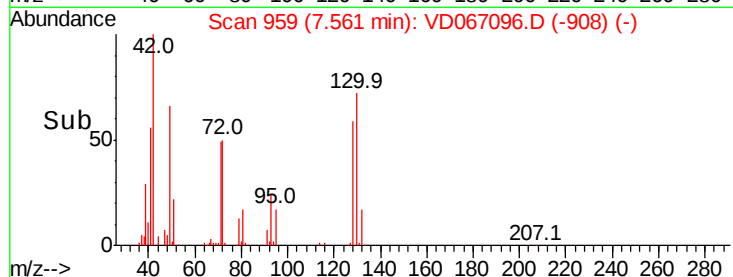
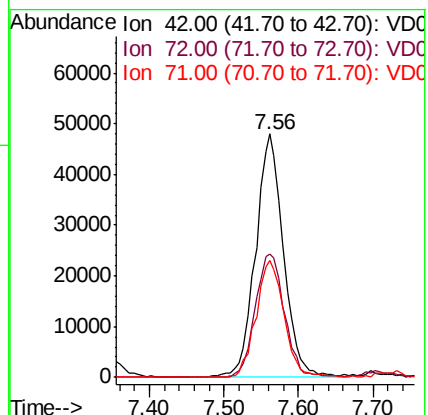
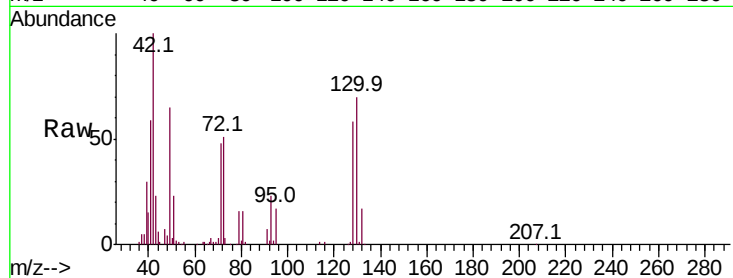
Tot Ion: 42 Resp: 124634

Ion Ratio Lower Upper

42 100

72 53.1 39.1 58.7

71 48.3 34.2 51.4



#30

Chloroform

Concen: 49.179 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067096.D

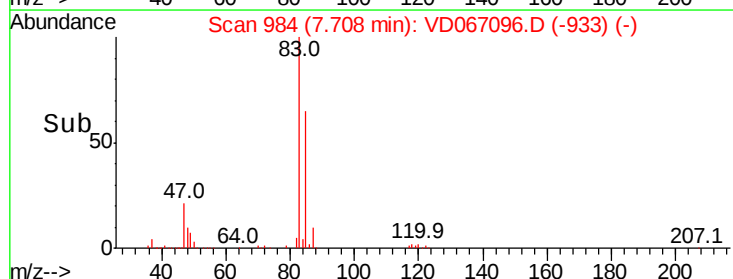
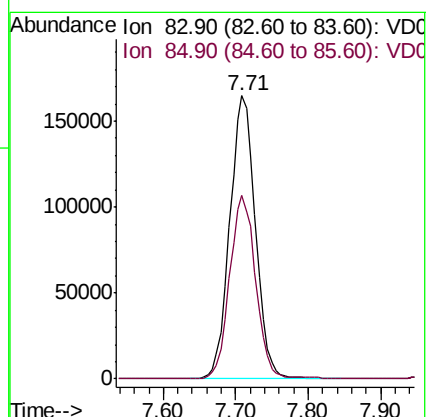
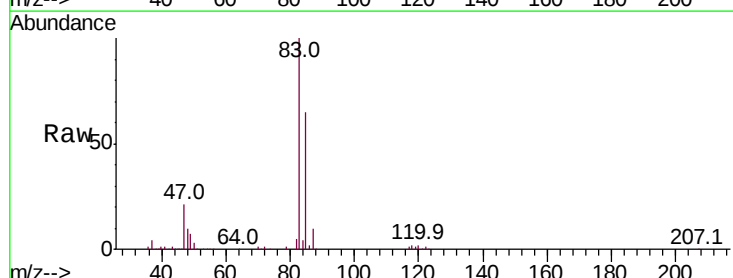
Acq: 06 Oct 2020 09:47

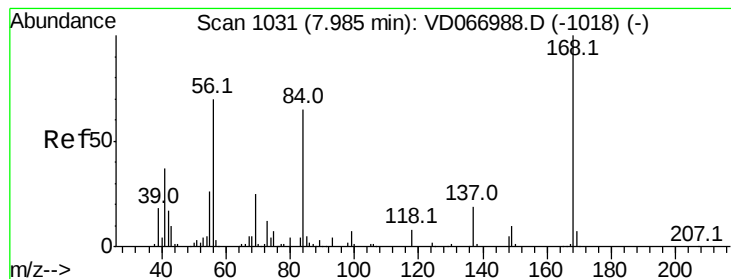
Tgt Ion: 83 Resp: 404354

Ion Ratio Lower Upper

83 100

85 64.8 52.3 78.5





#31

Cyclohexane

Concen: 46.977 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

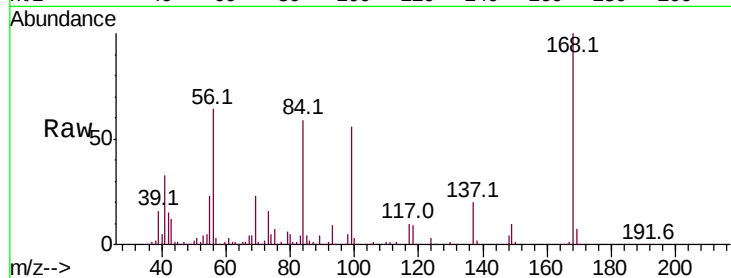
Tot Ion: 56 Resp: 298510

Ion Ratio Lower Upper

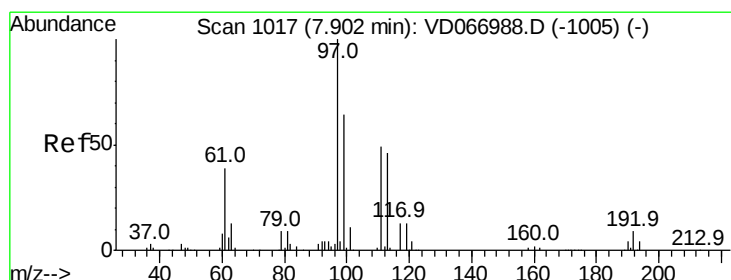
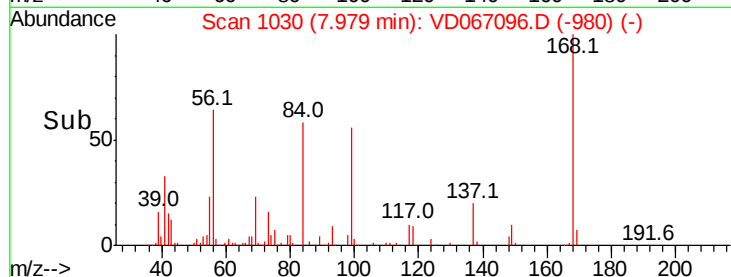
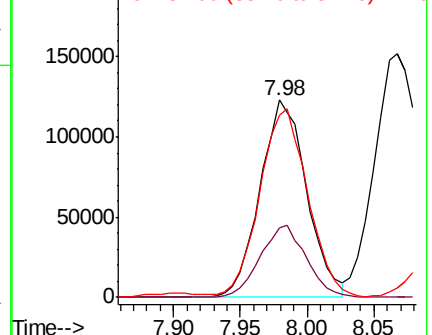
56 100

69 35.5 29.0 43.6

84 90.8 74.2 111.2



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: 51.088 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

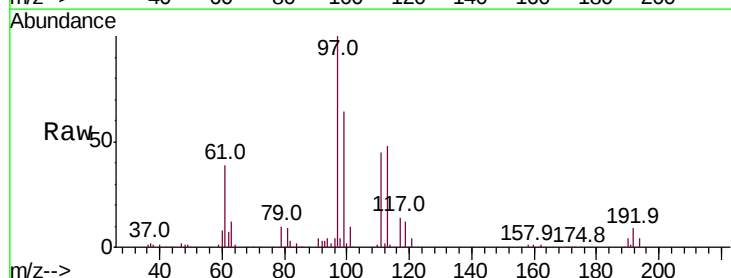
Tgt Ion: 97 Resp: 389288

Ion Ratio Lower Upper

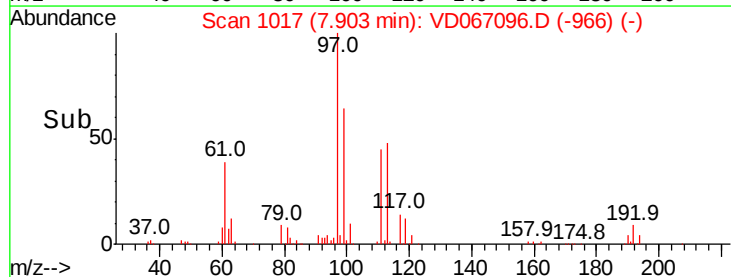
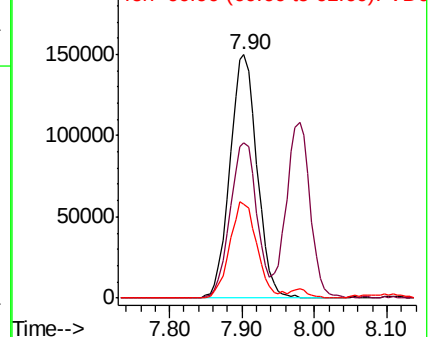
97 100

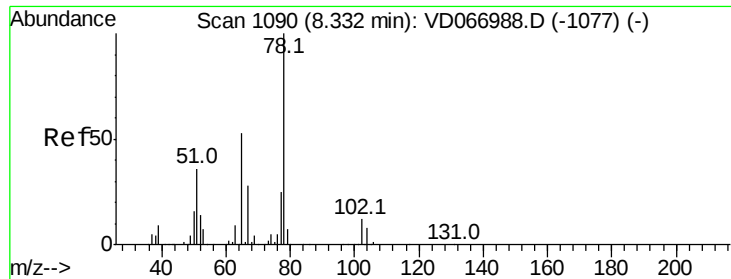
99 62.8 52.6 78.8

61 39.3 32.8 49.2



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: 47.142 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

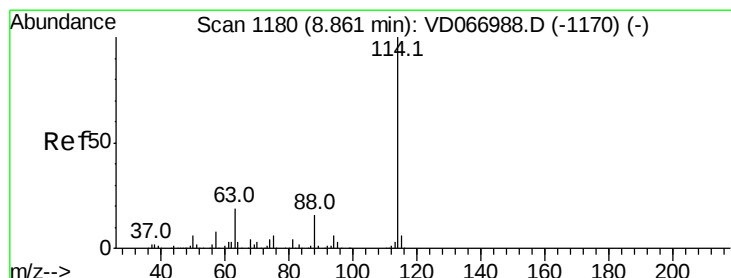
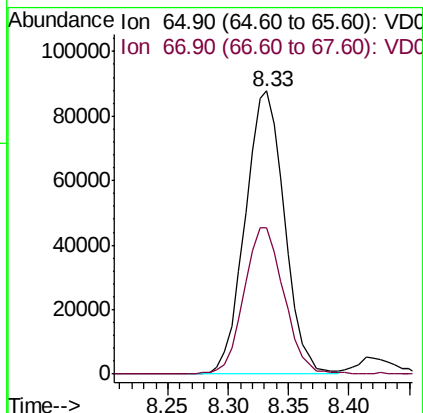
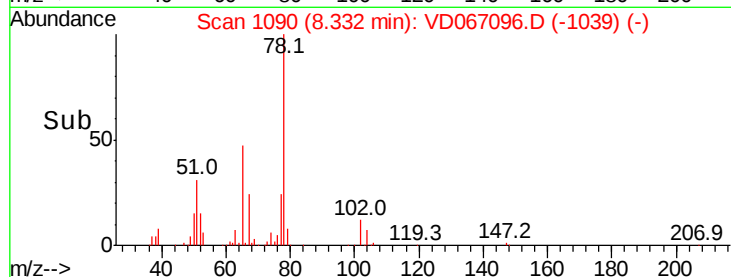
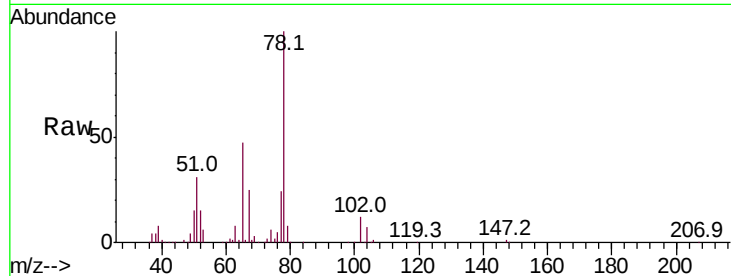
VSTDCCC050

Tot Ion: 65 Resp: 199467

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

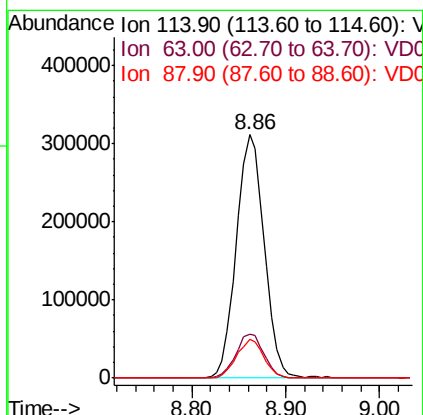
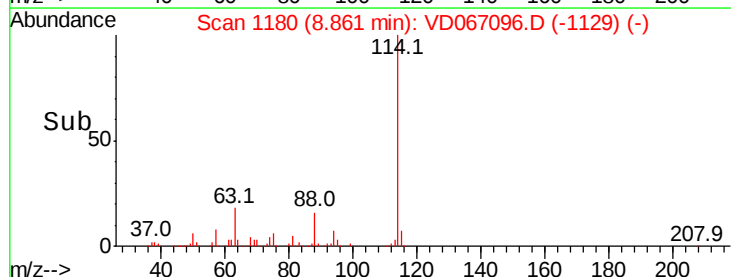
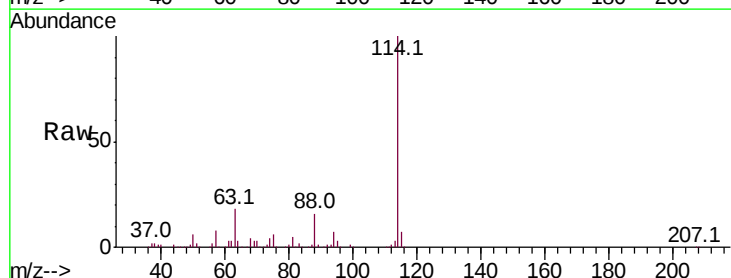
Tgt Ion: 114 Resp: 642358

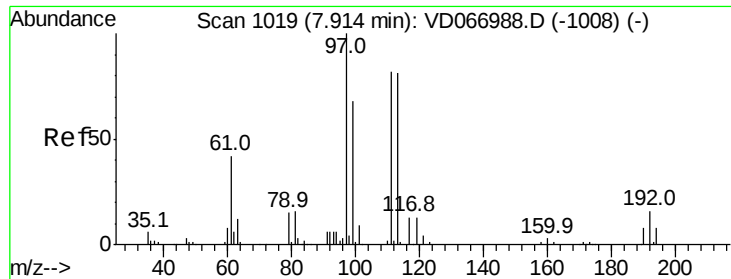
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 15.9 0.0 31.2

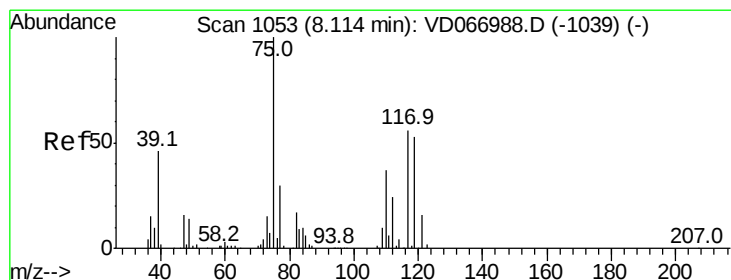
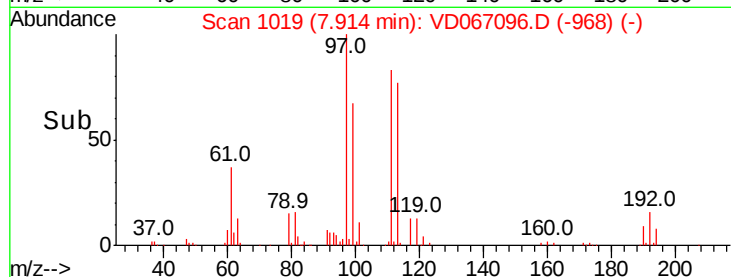
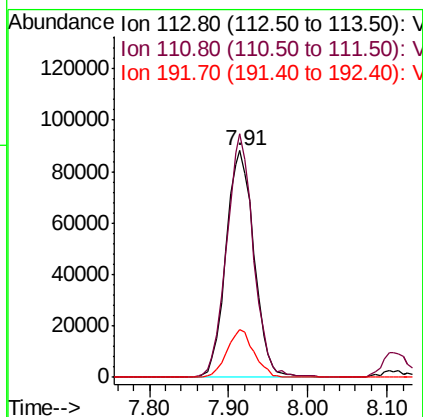
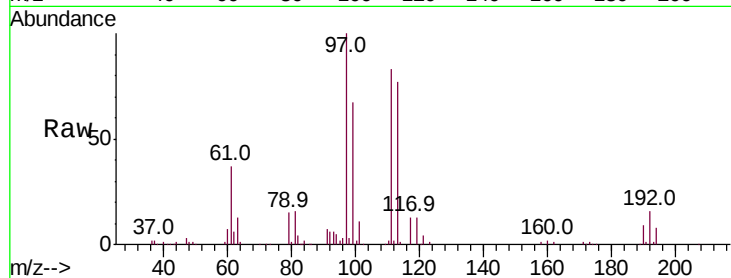




#35
 Dibromofluoromethane
 Concen: 51.453 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

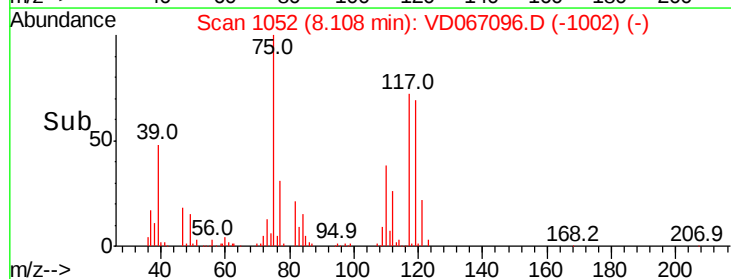
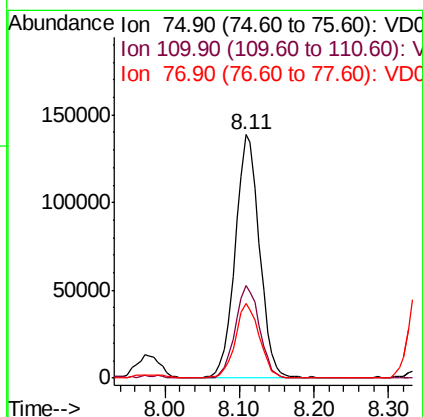
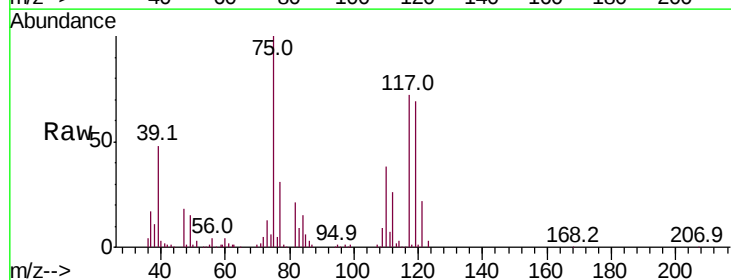
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

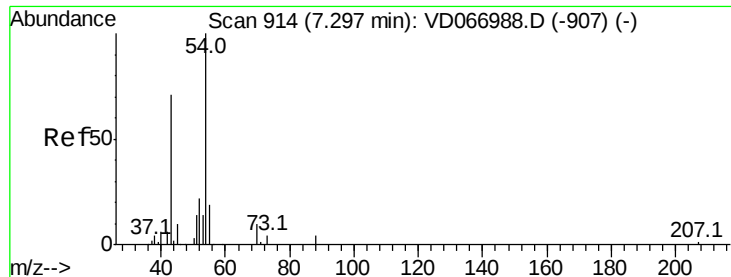
Tot Ion:113 Resp: 216379
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.0 124.4
 192 20.1 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 52.248 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion: 75 Resp: 312834
 Ion Ratio Lower Upper
 75 100
 110 38.2 18.4 55.0
 77 30.7 24.8 37.2

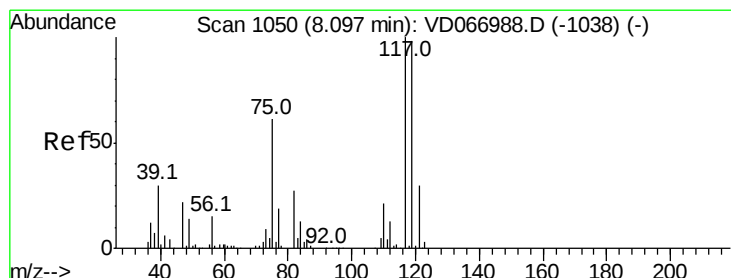
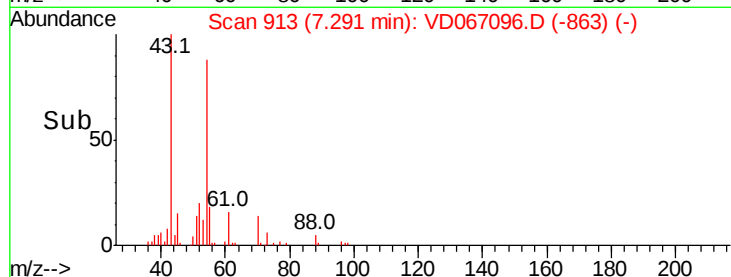
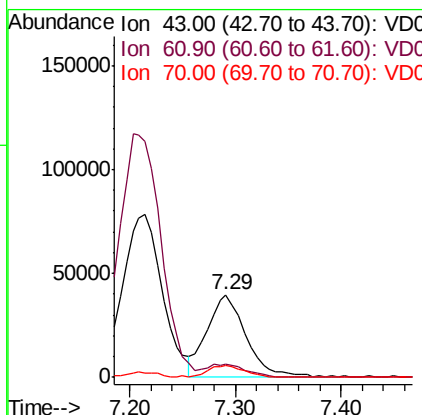
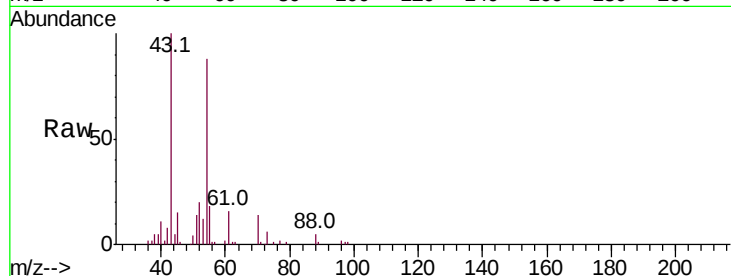




#37
Ethyl Acetate
Concen: 48.145 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

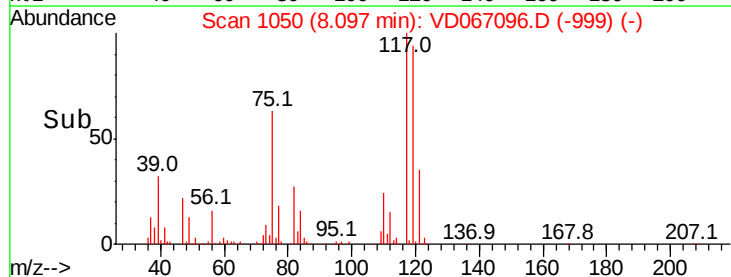
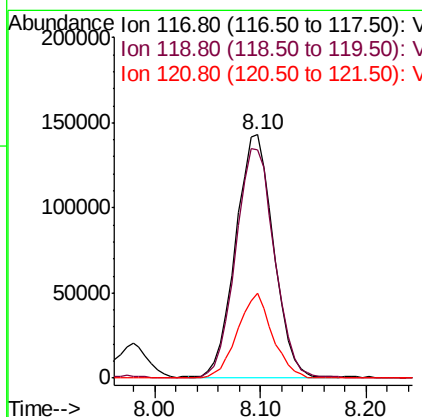
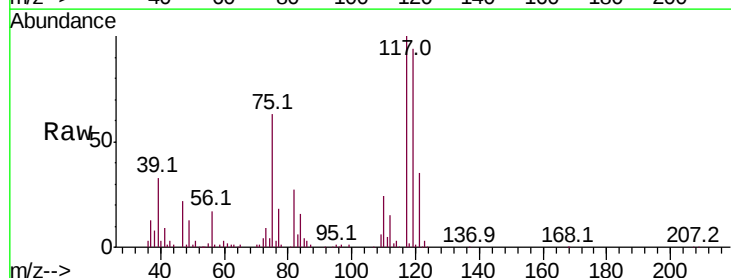
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

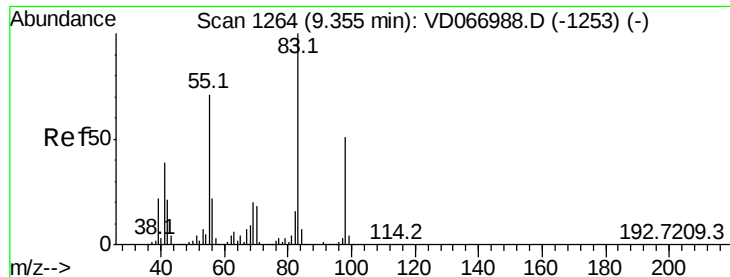
Tot Ion: 43 Resp: 99863
Ion Ratio Lower Upper
43 100
61 14.7 12.5 18.7
70 13.8 9.4 14.0



#38
Carbon Tetrachloride
Concen: 54.766 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 117 Resp: 354797
Ion Ratio Lower Upper
117 100
119 94.2 78.7 118.1
121 35.1 24.2 36.2

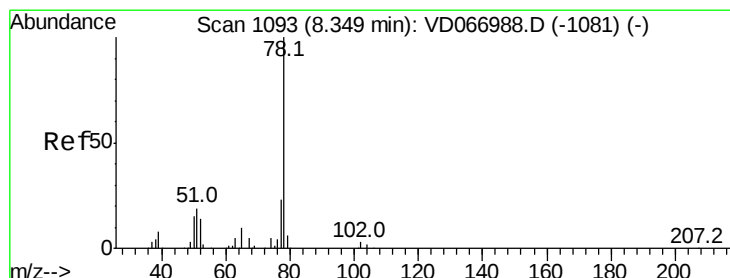
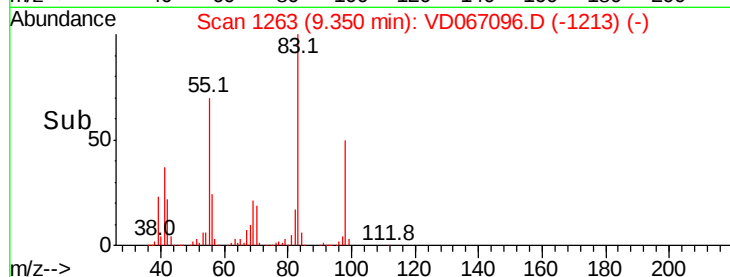
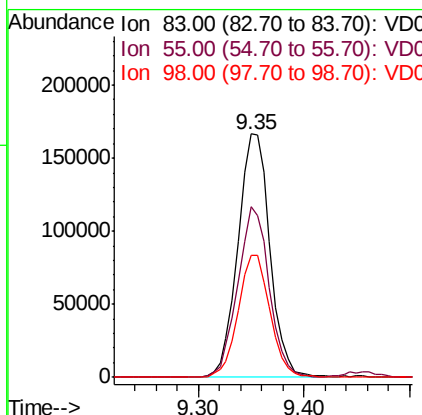
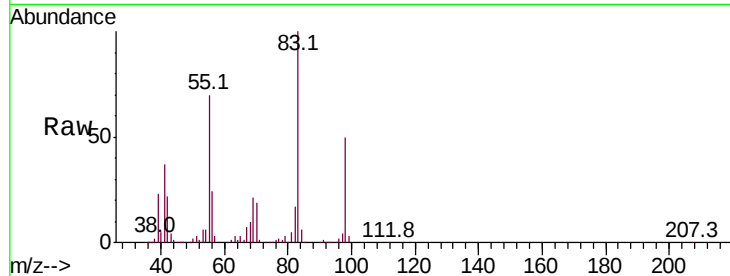




#39
Methvlcvclohexane
Concen: 55.408 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

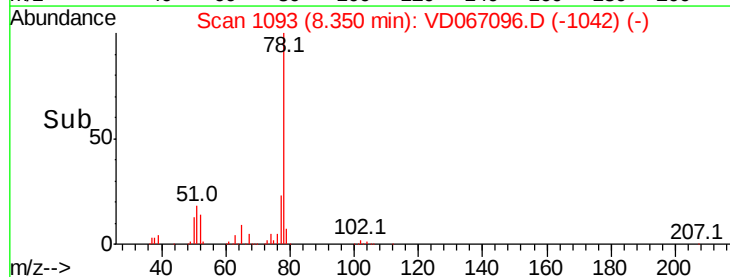
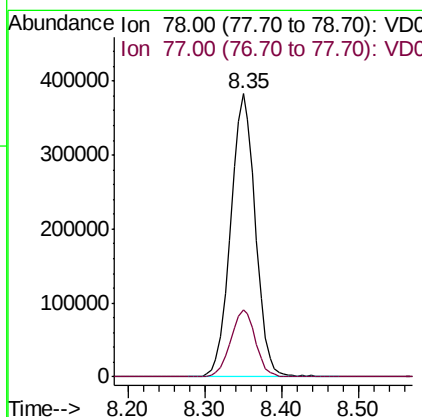
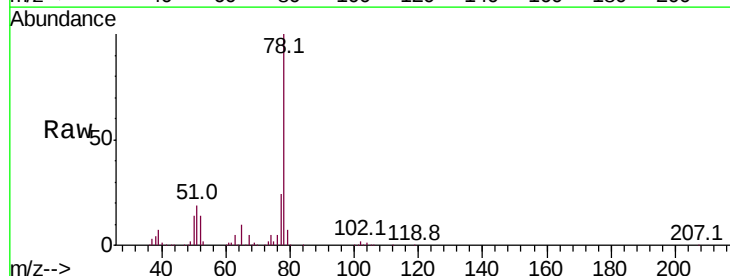
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

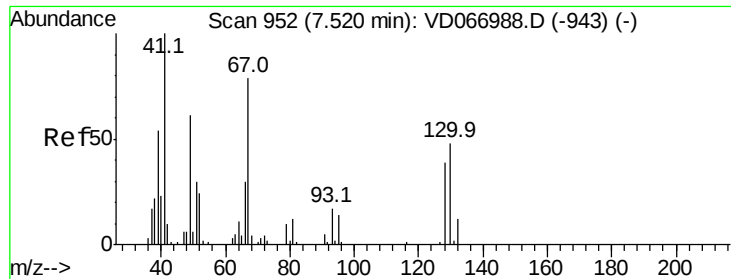
Tot Ion: 83 Resp: 350743
Ion Ratio Lower Upper
83 100
55 70.3 57.1 85.7
98 50.3 40.9 61.3



#40
Benzene
Concen: 51.603 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 78 Resp: 858189
Ion Ratio Lower Upper
78 100
77 23.5 18.4 27.6

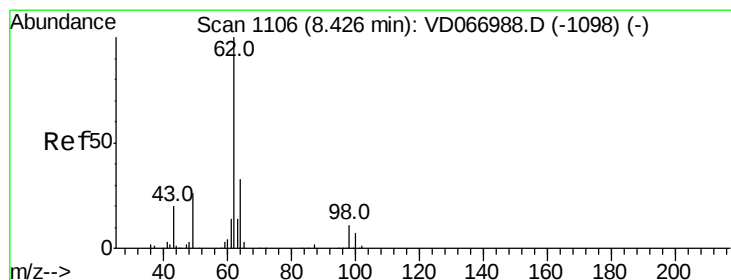
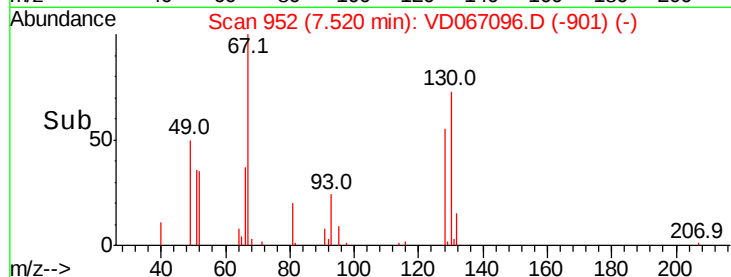
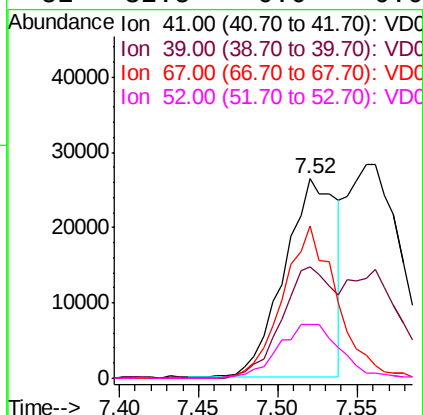
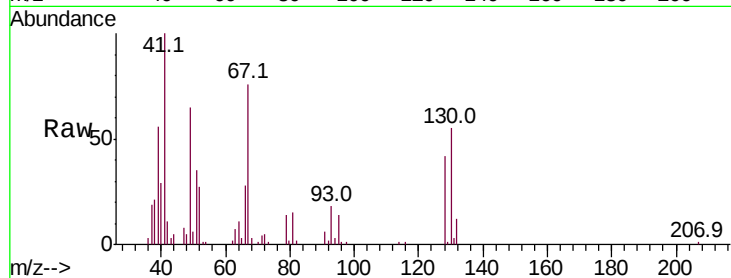




#41
Methacrylonitrile
Concen: 53.799 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

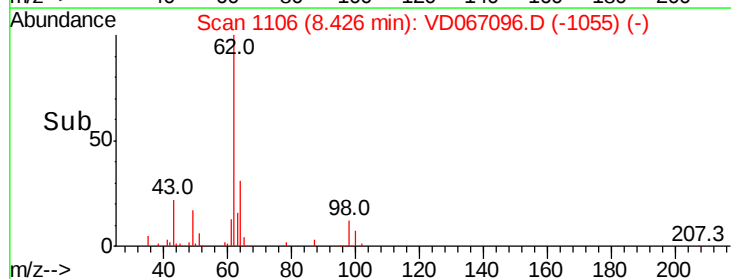
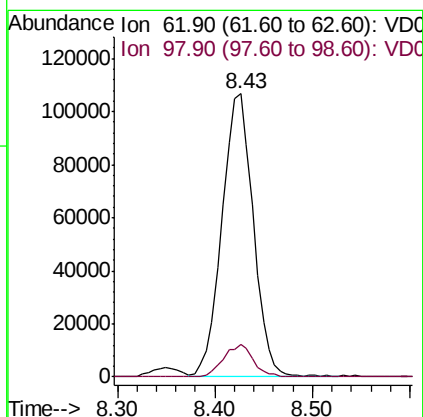
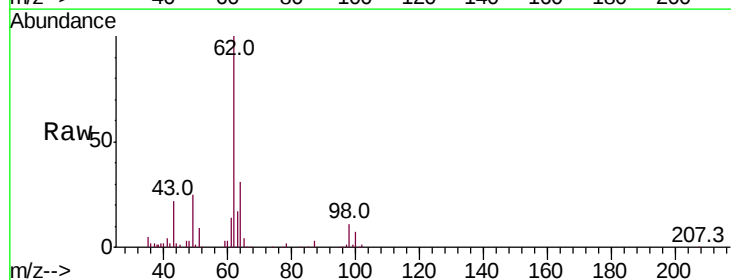
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

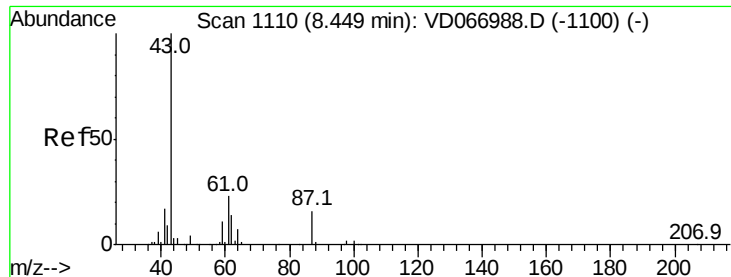
Tot Ion: 41 Resp: 60287
Ion Ratio Lower Upper
41 100
39 56.1 0.0 0.0#
67 79.8 0.0 0.0#
52 32.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 51.016 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 62 Resp: 237075
Ion Ratio Lower Upper
62 100
98 11.0 0.0 22.6





#43

Isopropyl Acetate

Concen: 50.299 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

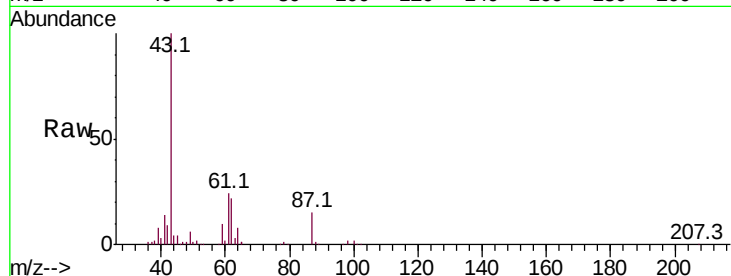
Tot Ion: 43 Resp: 192203

Ion Ratio Lower Upper

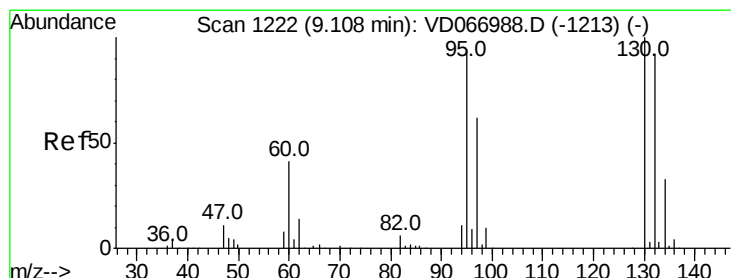
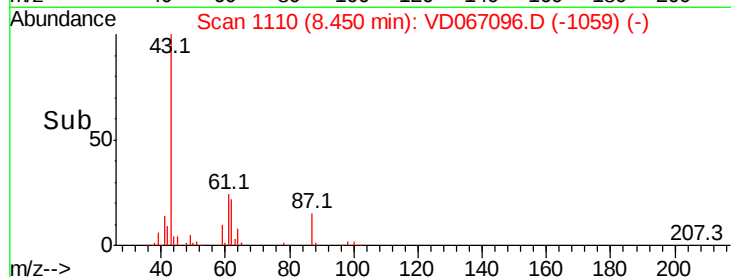
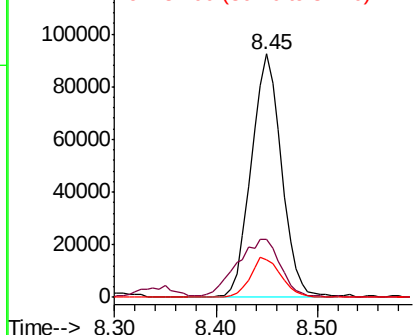
43 100

61 34.5 27.1 40.7

87 16.5 12.3 18.5



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: 54.190 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067096.D

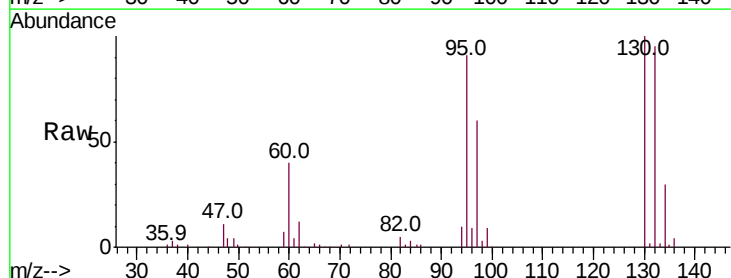
Acq: 06 Oct 2020 09:47

Tgt Ion:130 Resp: 269109

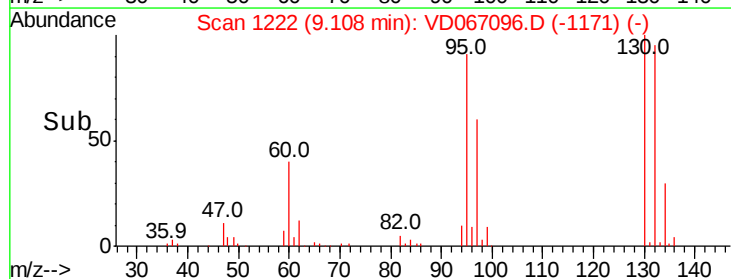
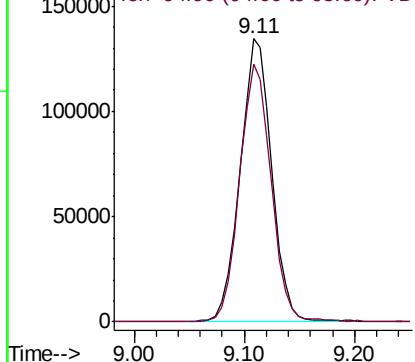
Ion Ratio Lower Upper

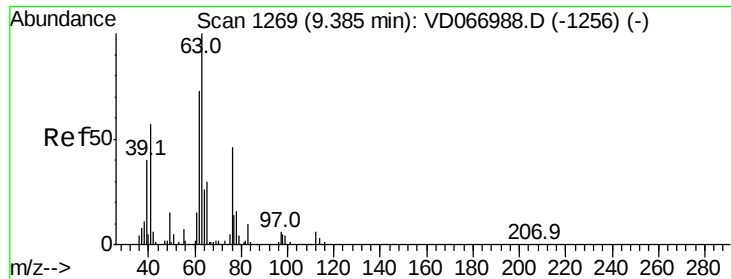
130 100

95 91.3 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.129 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

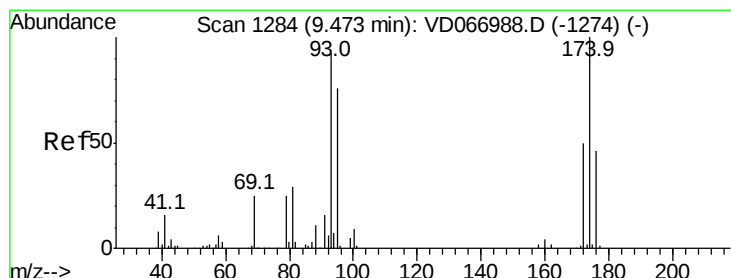
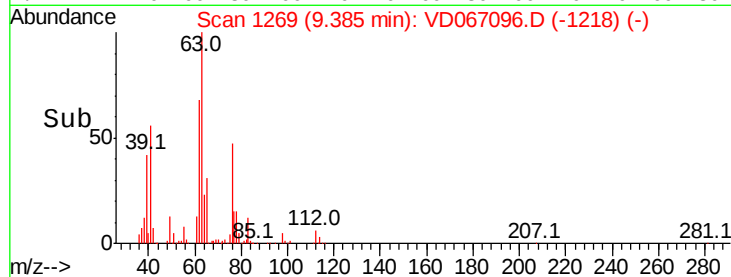
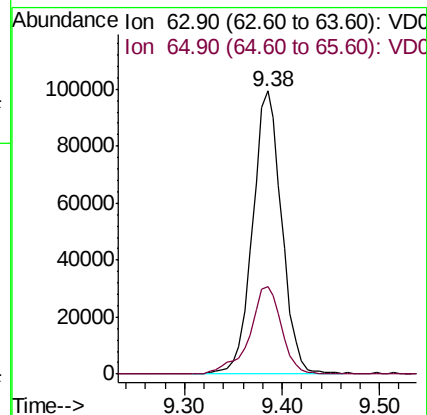
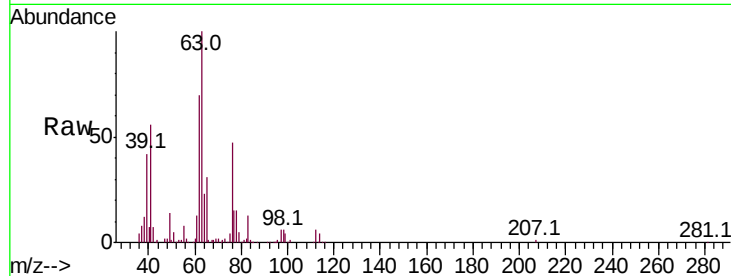
VSTDCCC050

Tot Ion: 63 Resp: 207606

Ion Ratio Lower Upper

63 100

65 31.0 23.7 35.5



#46

Dibromomethane

Concen: 53.716 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

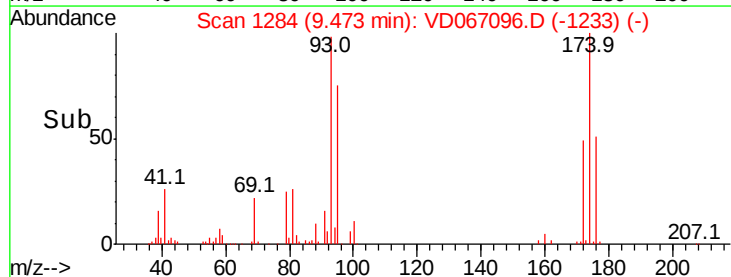
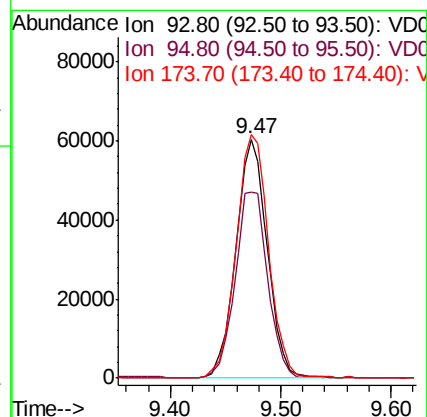
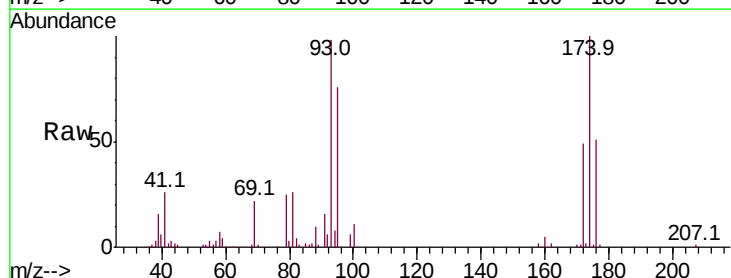
Tgt Ion: 93 Resp: 120639

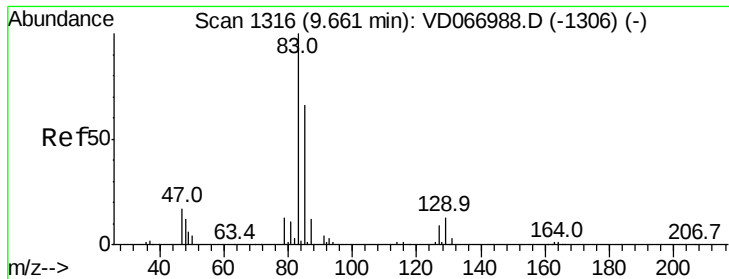
Ion Ratio Lower Upper

93 100

95 81.5 64.7 97.1

174 105.3 81.4 122.2





#47

Bromodichloromethane

Concen: 53.055 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

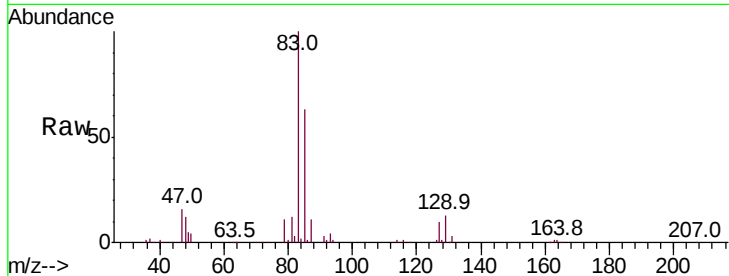
Tot Ion: 83 Resp: 309738

Ion Ratio Lower Upper

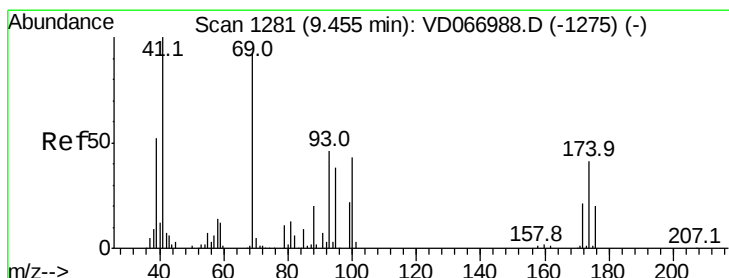
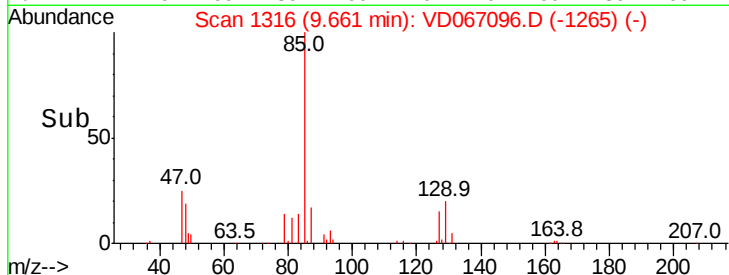
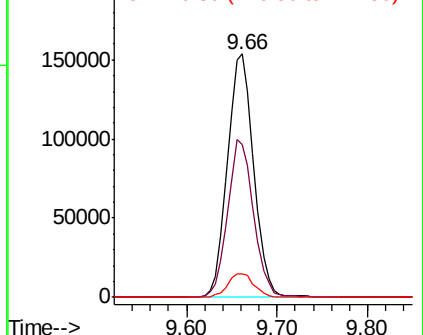
83 100

85 62.6 52.9 79.3

127 9.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.275 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

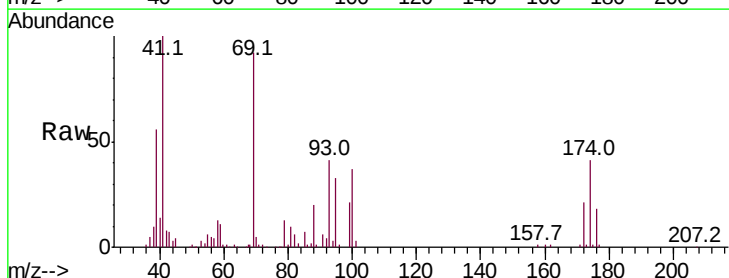
Tgt Ion: 41 Resp: 94505

Ion Ratio Lower Upper

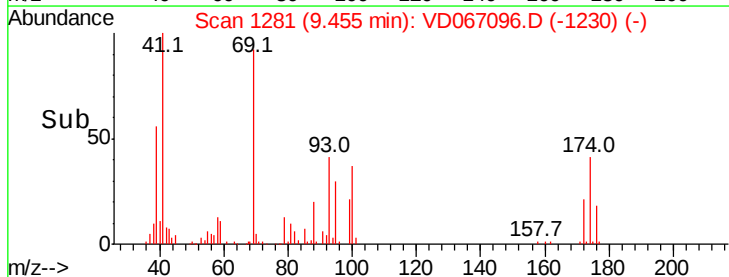
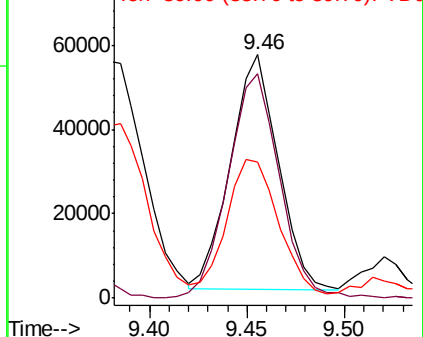
41 100

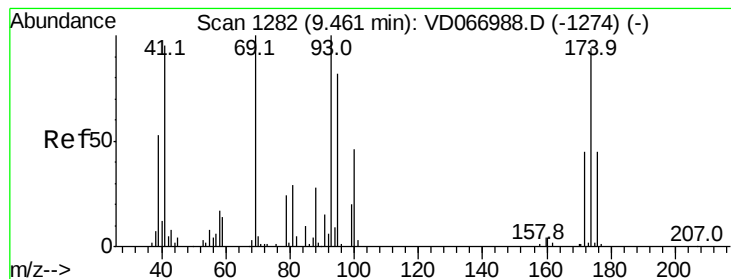
69 103.2 68.5 102.7#

39 61.4 40.2 60.2#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1028.213 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

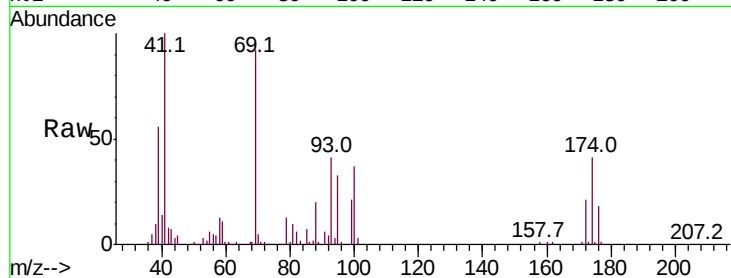
Tot Ion: 88 Resp: 24101

Ion Ratio Lower Upper

88 100

43 31.2 25.6 38.4

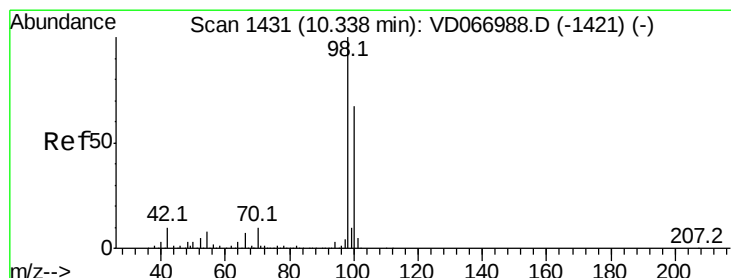
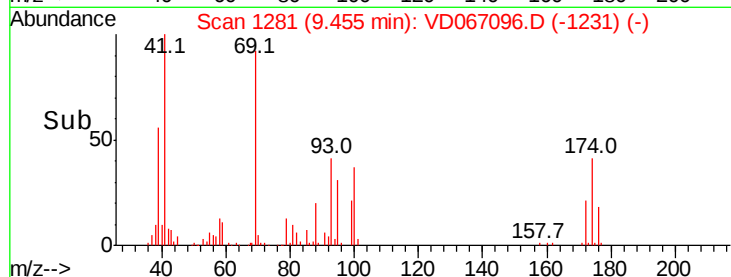
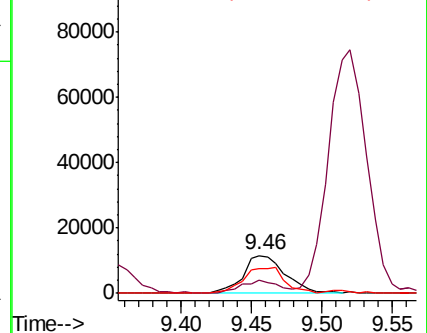
58 67.3 53.5 80.3



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: 51.340 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067096.D

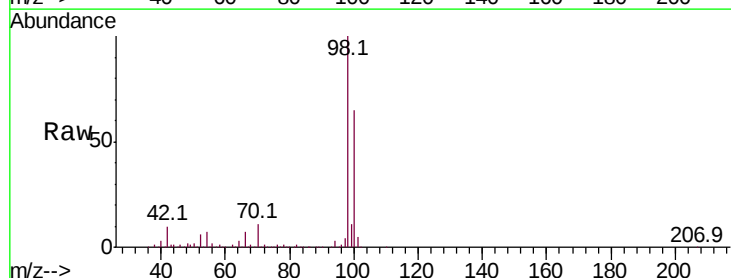
Acq: 06 Oct 2020 09:47

Tgt Ion: 98 Resp: 786734

Ion Ratio Lower Upper

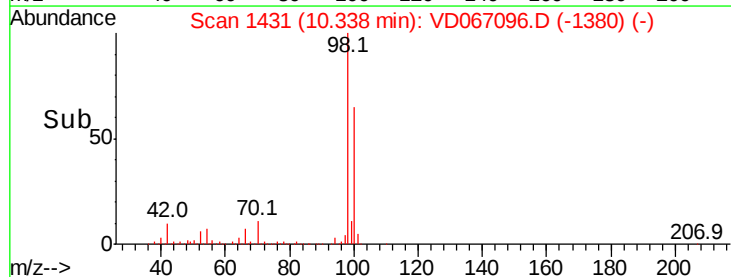
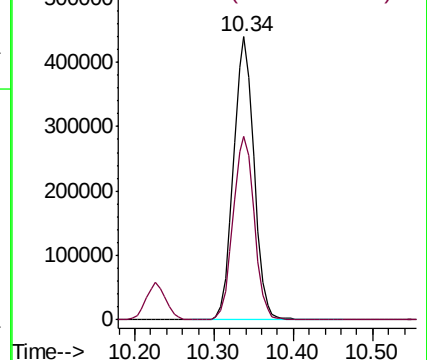
98 100

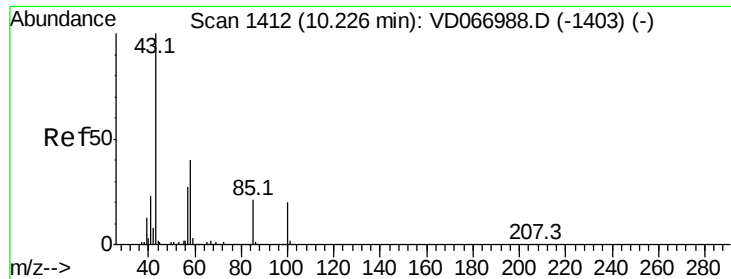
100 66.9 52.8 79.2



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: 259.263 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

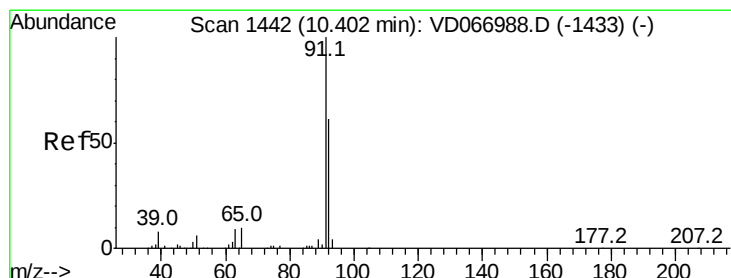
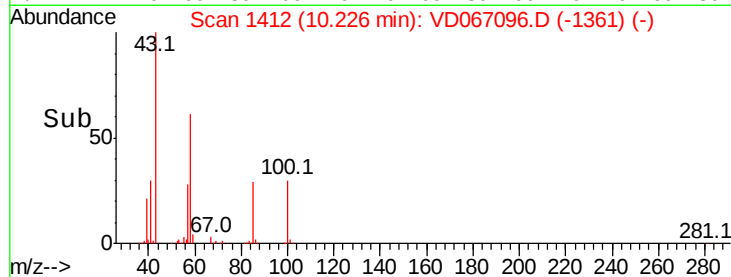
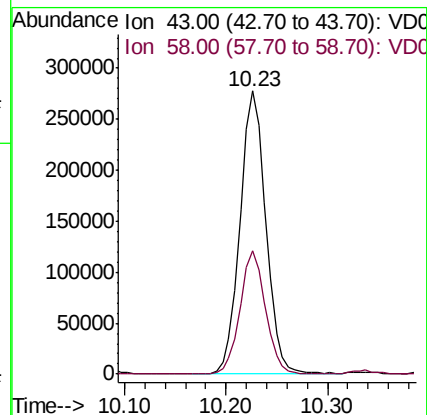
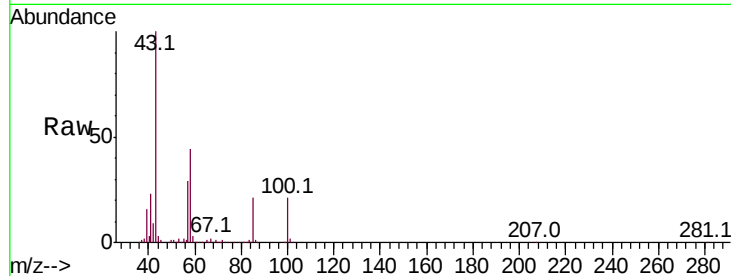
VSTDCCC050

Tot Ion: 43 Resp: 493460

Ion Ratio Lower Upper

43 100

58 42.9 33.8 50.8



#52

Toluene

Concen: 52.985 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067096.D

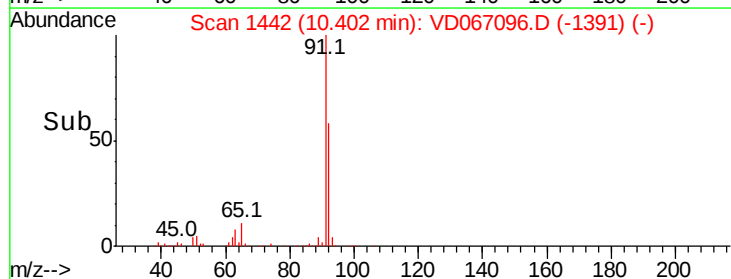
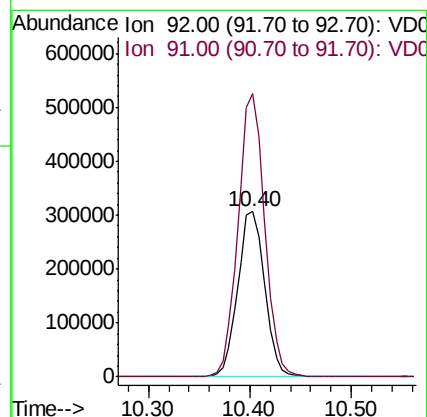
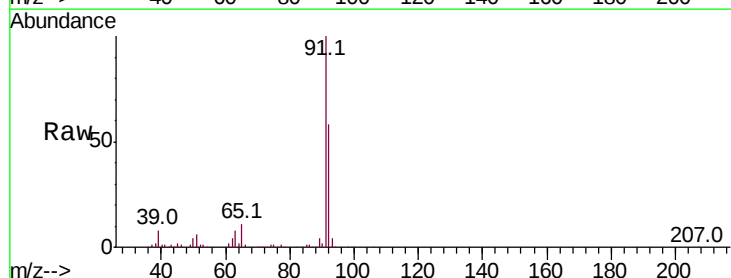
Acq: 06 Oct 2020 09:47

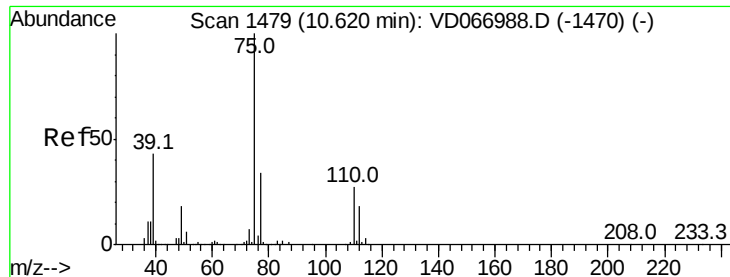
Tgt Ion: 92 Resp: 567622

Ion Ratio Lower Upper

92 100

91 169.3 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 53.223 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

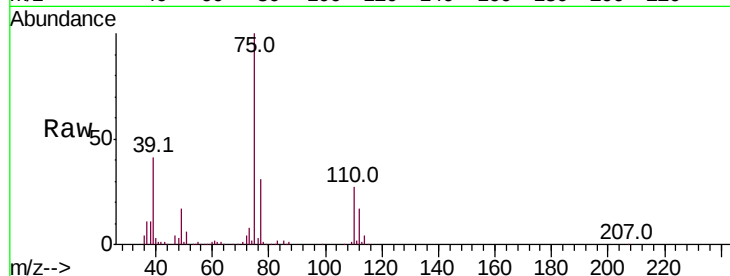
VSTDCCC050

Tot Ion: 75 Resp: 277696

Ion Ratio Lower Upper

75 100

77 31.0 27.1 40.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

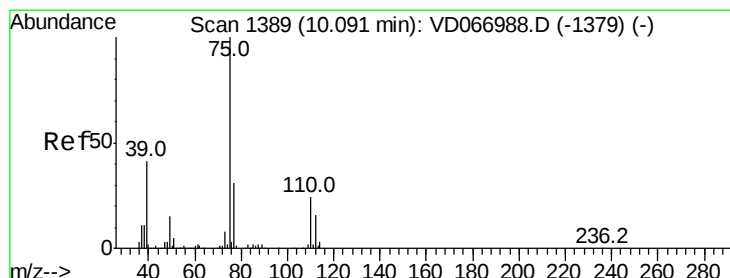
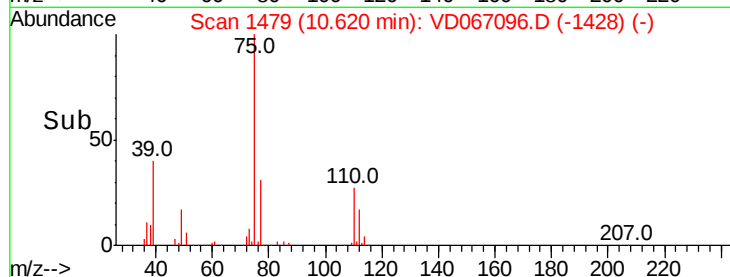
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 52.615 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

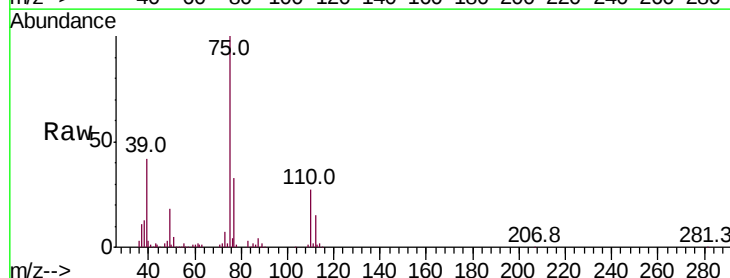
Tgt Ion: 75 Resp: 335227

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0

39 41.7 33.0 49.4



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

10.08

200000

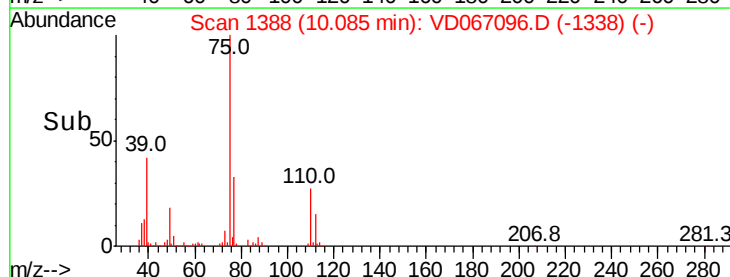
150000

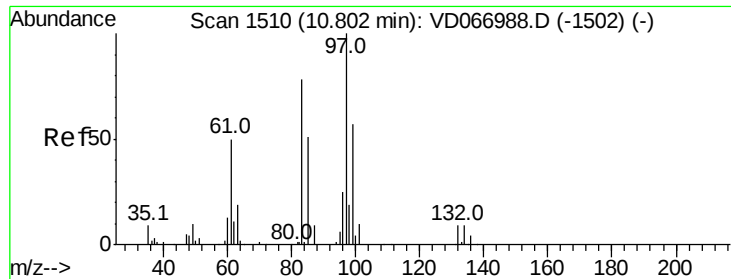
100000

50000

0

Time--> 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 51.700 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 161430

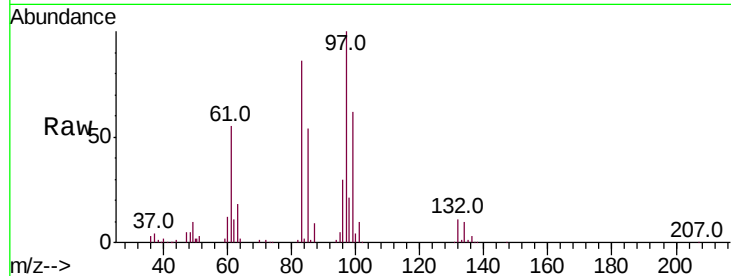
Ion	Ratio	Lower	Upper
97	100		
83	85.8	62.4	93.6
85	53.8	41.0	61.4
99	61.6	45.9	68.9

97 100

83 85.8 62.4 93.6

85 53.8 41.0 61.4

99 61.6 45.9 68.9

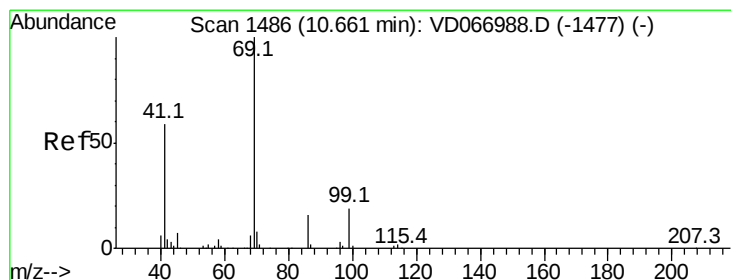
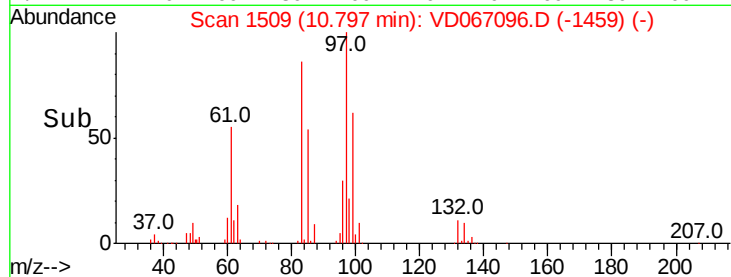
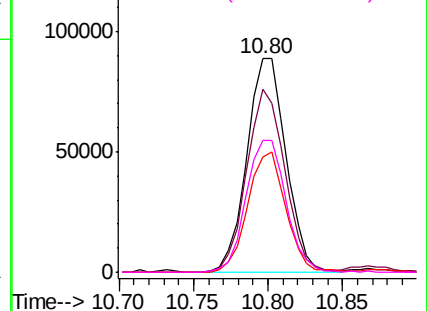


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 57.279 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

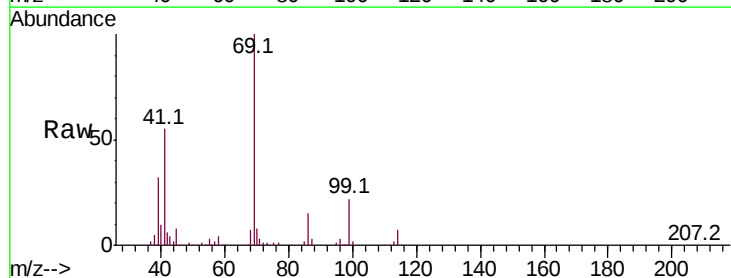
Tgt Ion: 69 Resp: 184653

Ion	Ratio	Lower	Upper
69	100		
41	57.2	46.4	69.6
39	30.6	23.8	35.6

69 100

41 57.2 46.4 69.6

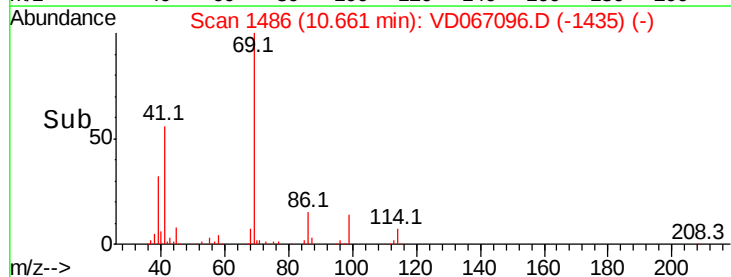
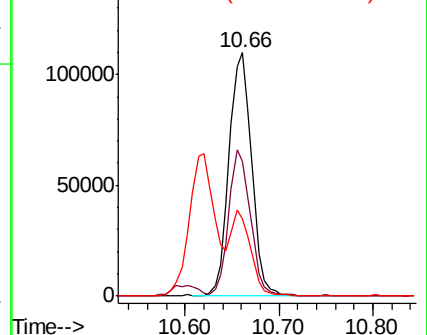
39 30.6 23.8 35.6

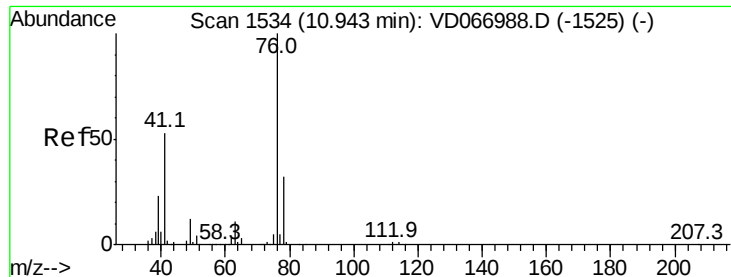


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.344 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

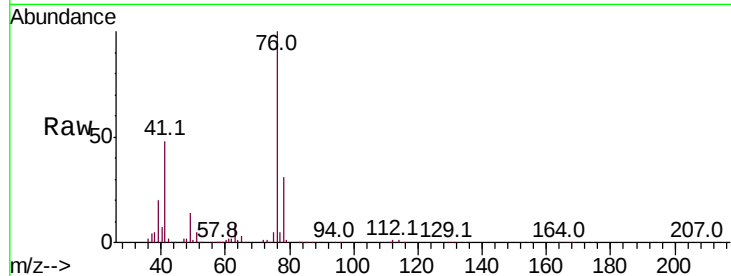
VSTDCCC050

Tot Ion: 76 Resp: 265037

Ion Ratio Lower Upper

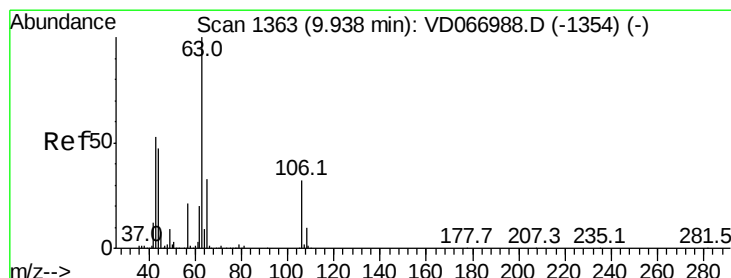
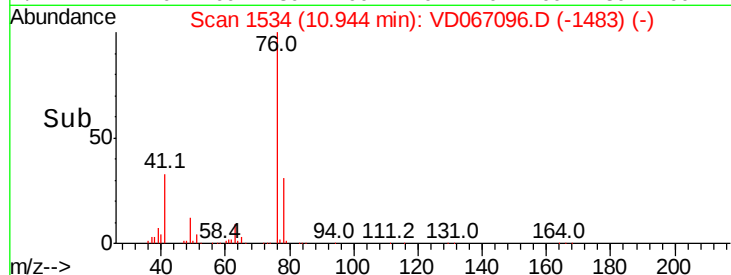
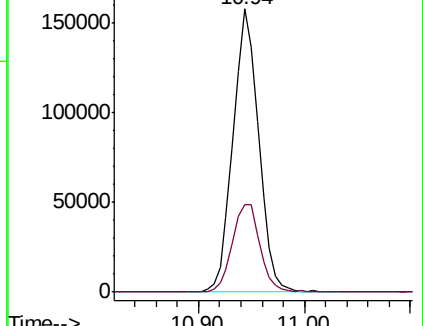
76 100

78 33.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 266.142 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD067096.D

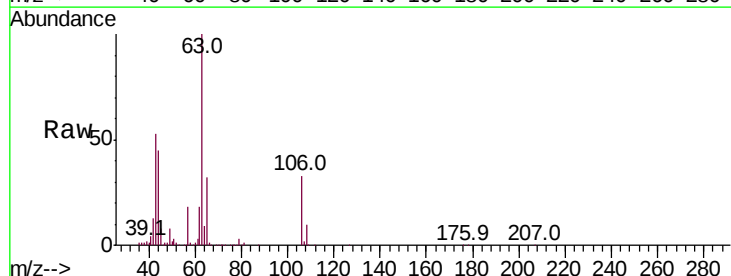
Acq: 06 Oct 2020 09:47

Tgt Ion: 63 Resp: 477531

Ion Ratio Lower Upper

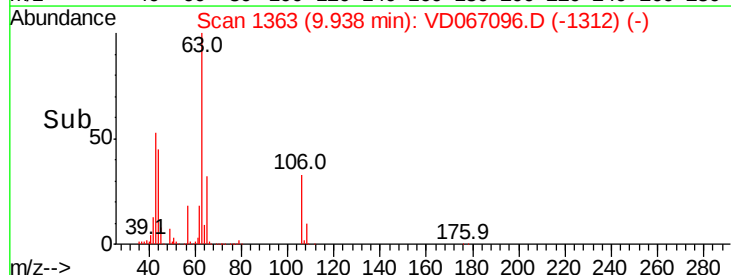
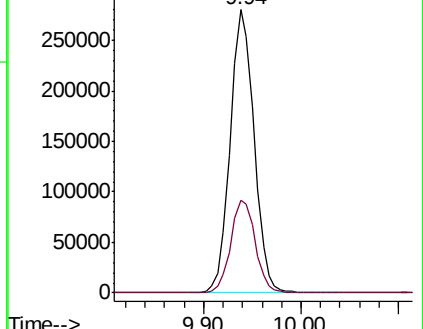
63 100

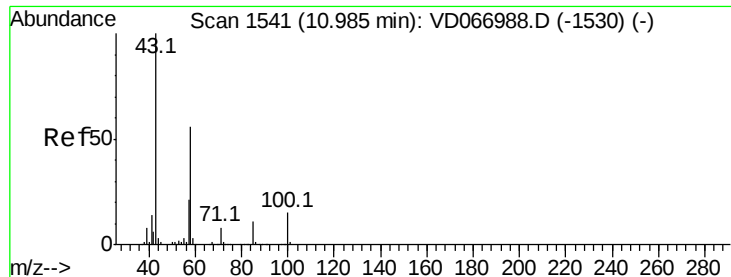
106 33.6 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

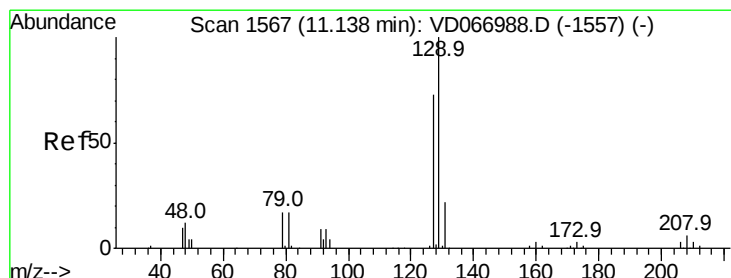
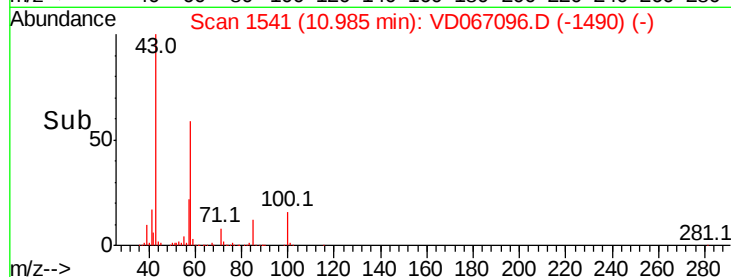
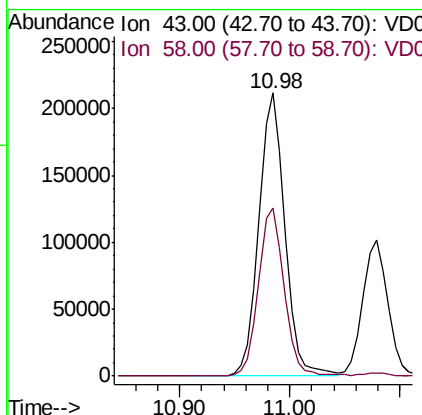
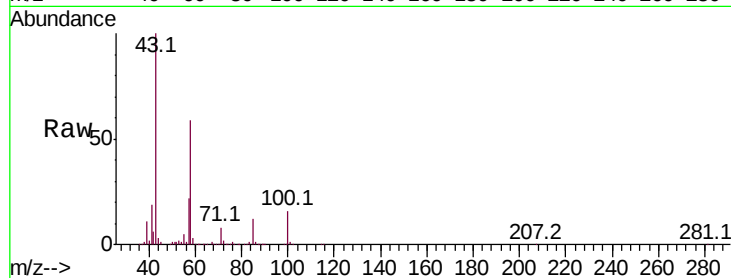




#59
2-Hexanone
Concen: 276.874 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

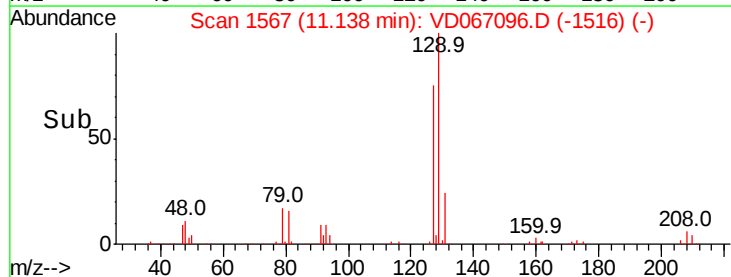
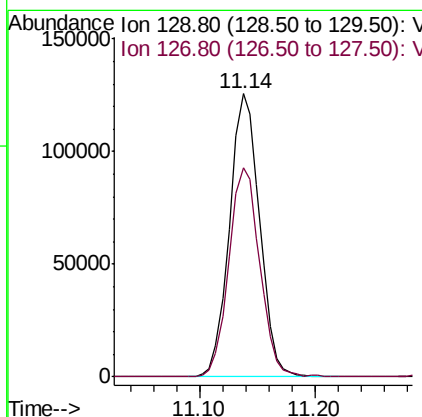
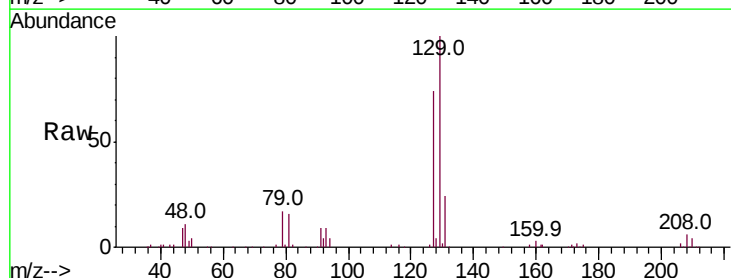
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

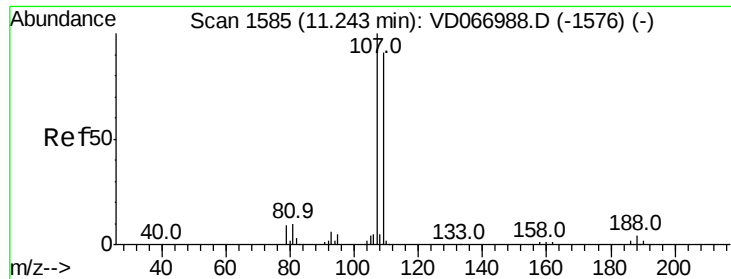
Tot Ion: 43 Resp: 351729
Ion Ratio Lower Upper
43 100
58 58.6 28.3 84.9



#60
Dibromochloromethane
Concen: 54.448 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 129 Resp: 226597
Ion Ratio Lower Upper
129 100
127 76.0 37.4 112.1

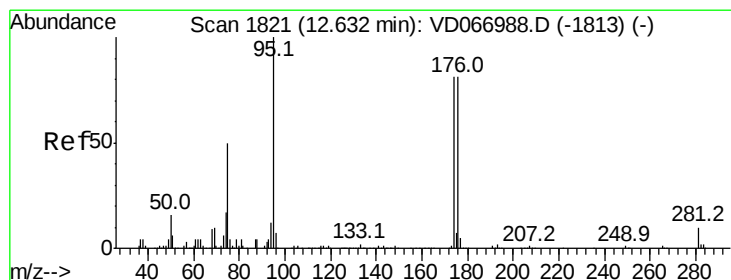
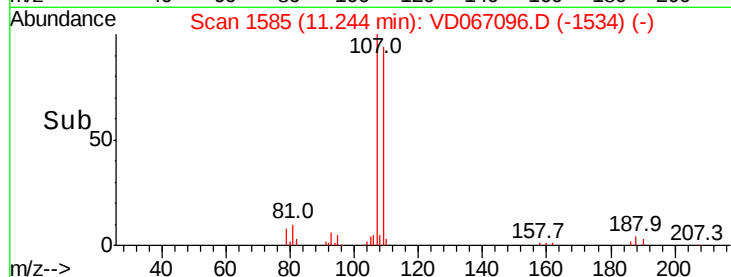
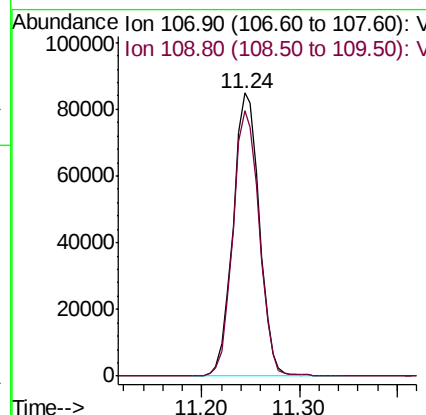
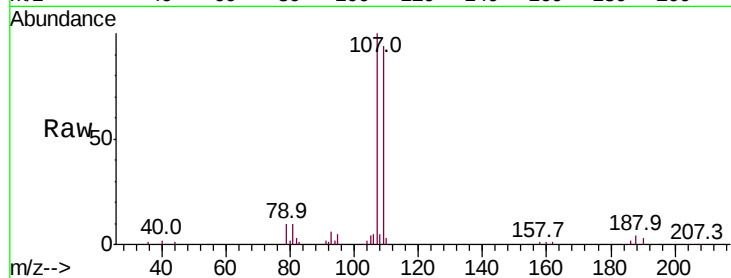




#61
 1,2-Dibromoethane
 Concen: 52.853 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

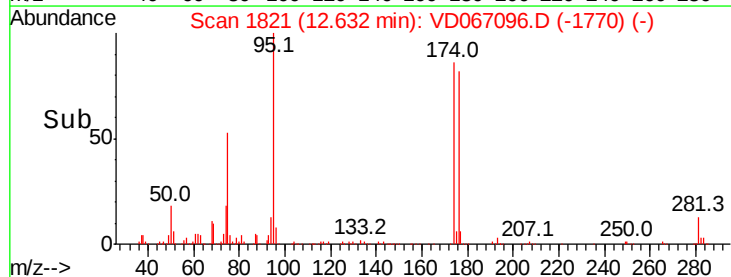
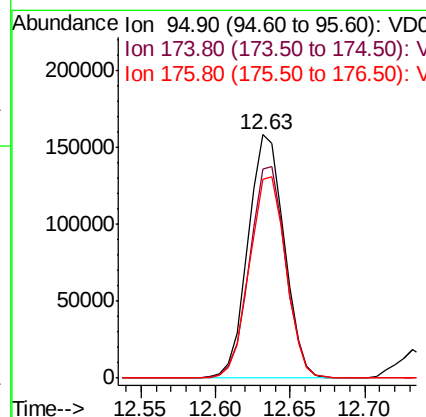
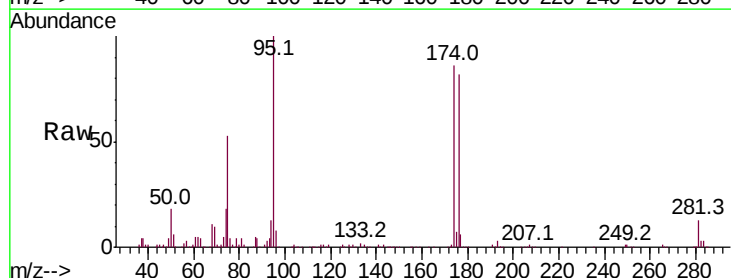
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

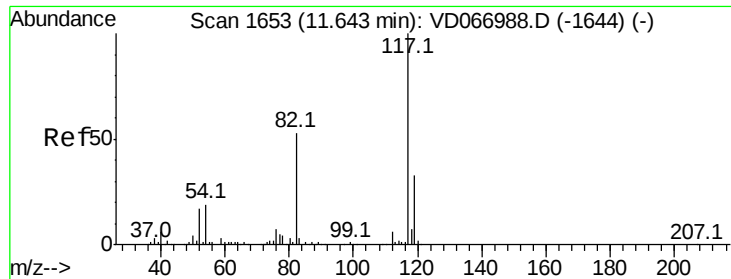
Tot Ion:107 Resp: 158549
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 50.999 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion: 95 Resp: 265302
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 167.6
 176 83.5 0.0 162.4

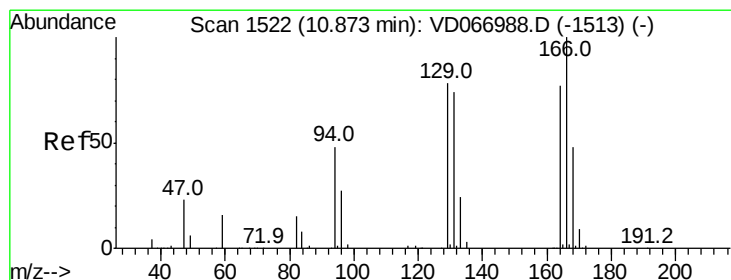
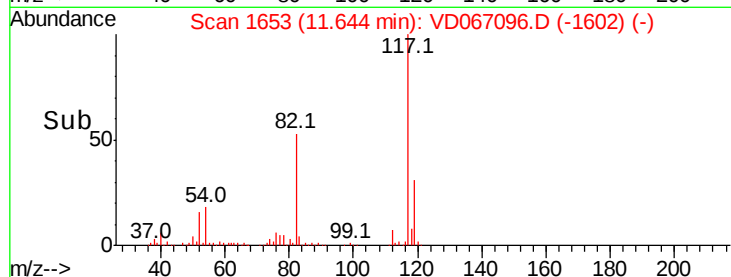
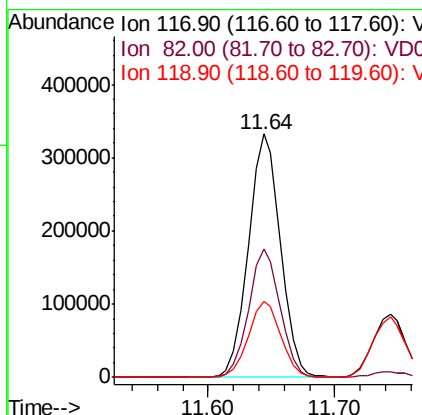
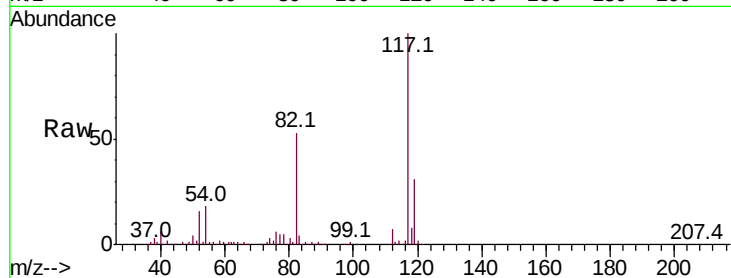




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

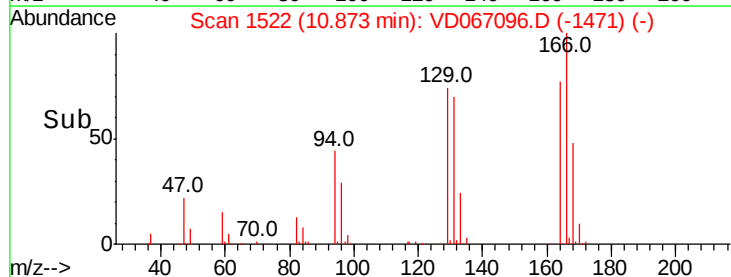
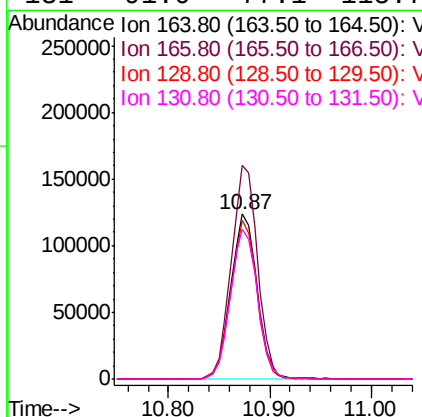
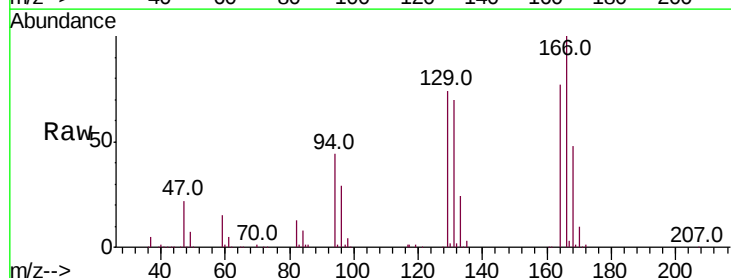
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

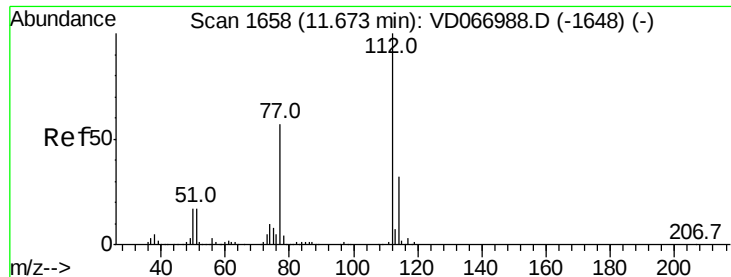
Tot Ion:117 Resp: 583115
Ion Ratio Lower Upper
117 100
82 53.0 42.6 63.8
119 31.4 26.3 39.5



#64
Tetrachloroethene
Concen: 52.808 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:164 Resp: 223868
Ion Ratio Lower Upper
164 100
166 129.4 104.4 156.6
129 96.1 81.3 121.9
131 91.0 77.1 115.7

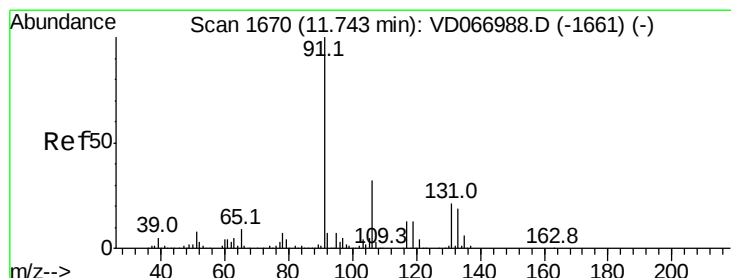
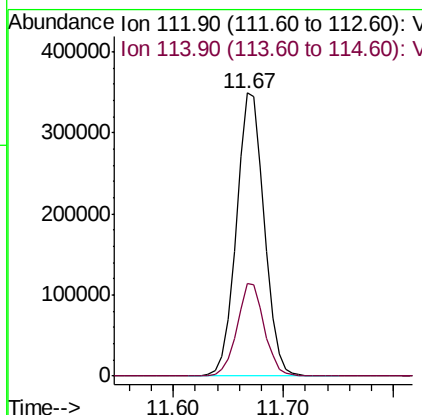
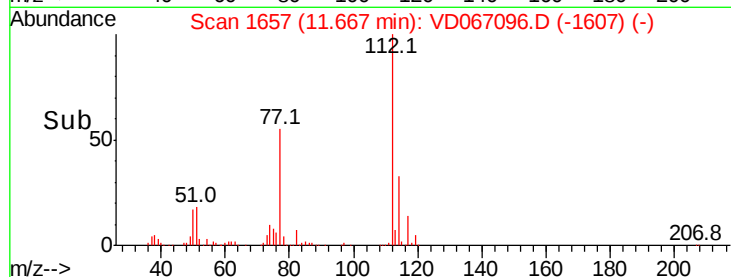
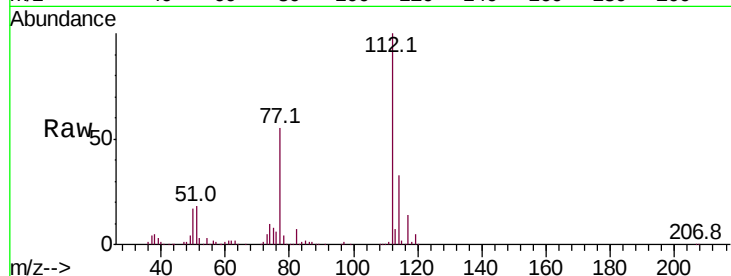




#65
Chlorobenzene
Concen: 53.167 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

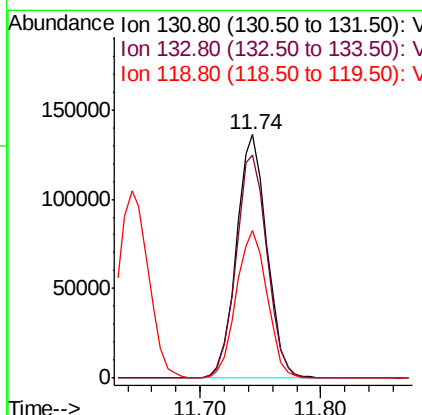
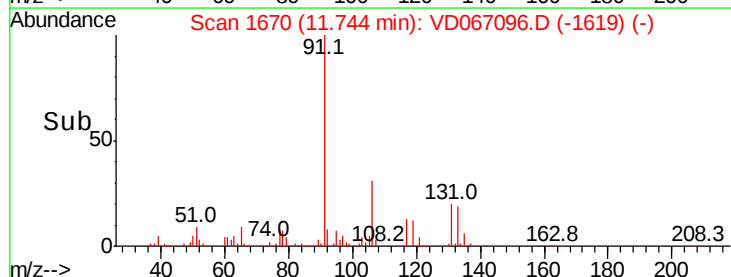
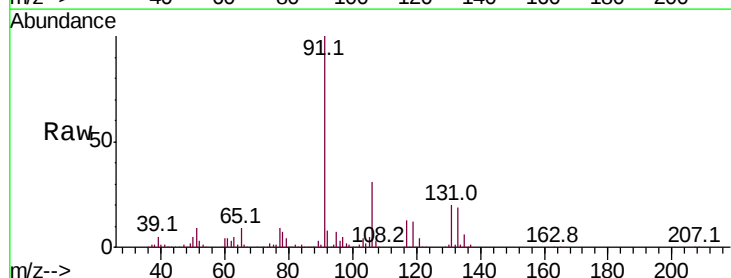
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

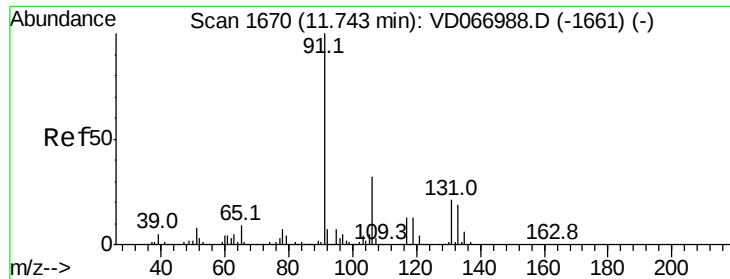
Tot Ion:112 Resp: 616599
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.228 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:131 Resp: 239225
Ion Ratio Lower Upper
131 100
133 93.8 47.8 143.3
119 61.9 32.3 96.8

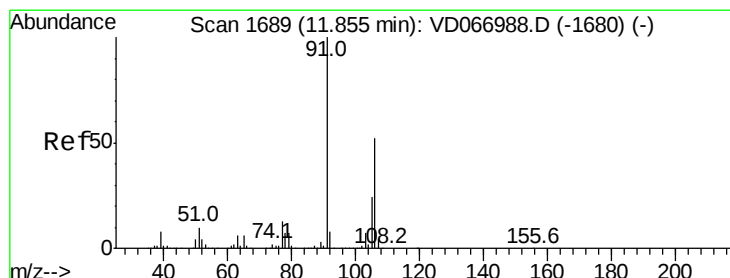
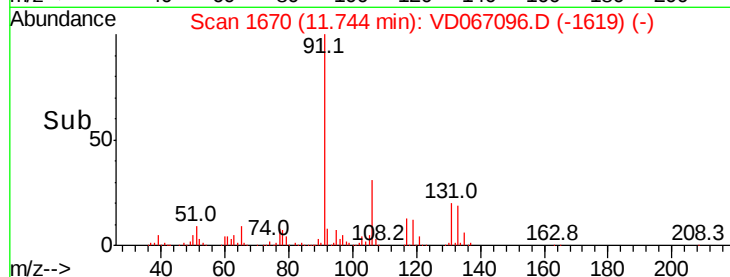
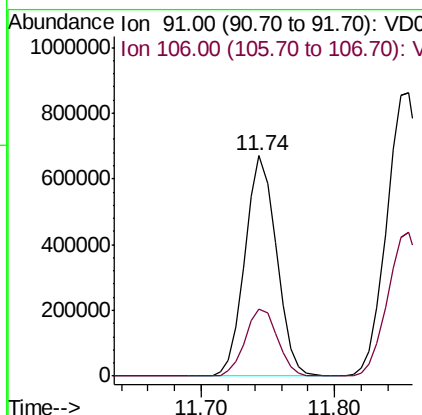
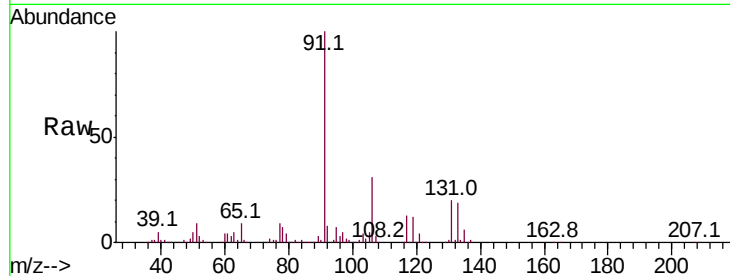




#67
Ethyl Benzene
Concen: 55.040 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

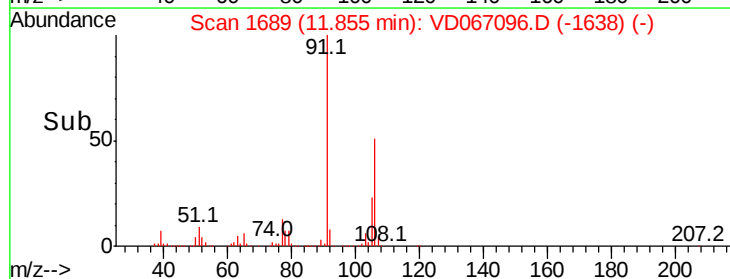
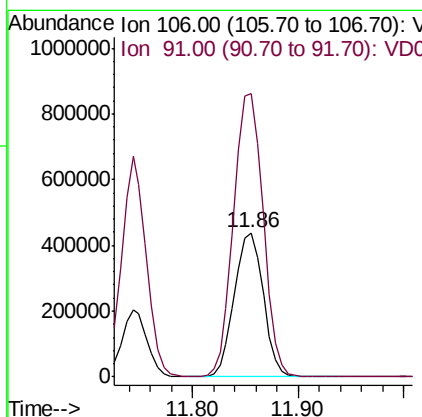
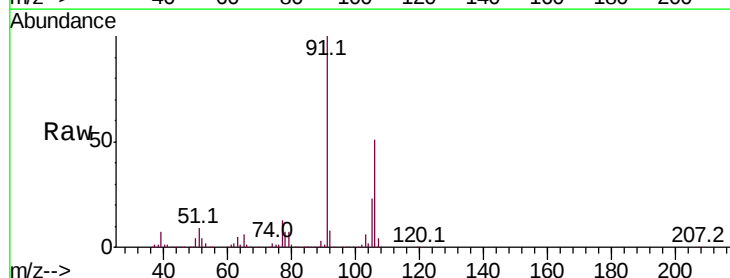
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

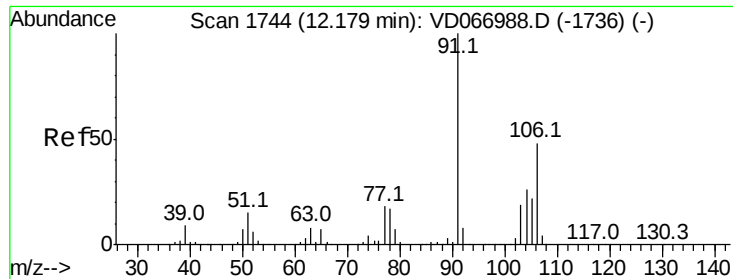
Tot Ion: 91 Resp: 1093693
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2



#68
m/p-Xylenes
Concen: 107.500 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 106 Resp: 832485
Ion Ratio Lower Upper
106 100
91 201.1 158.4 237.6

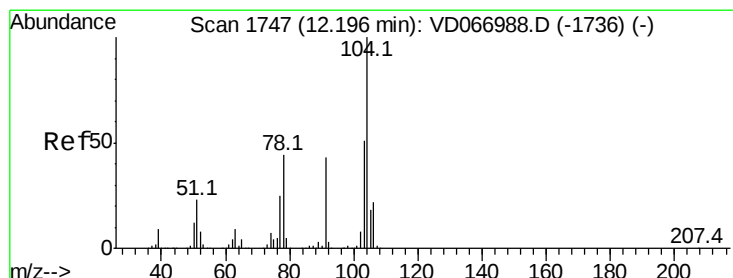
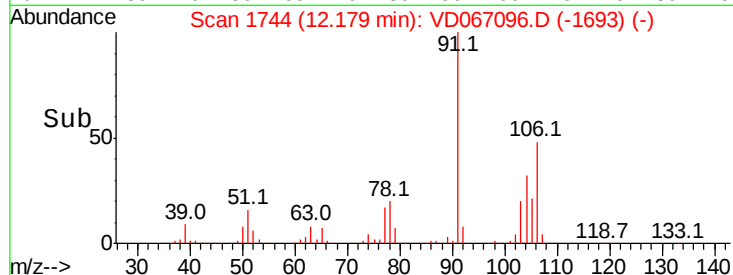
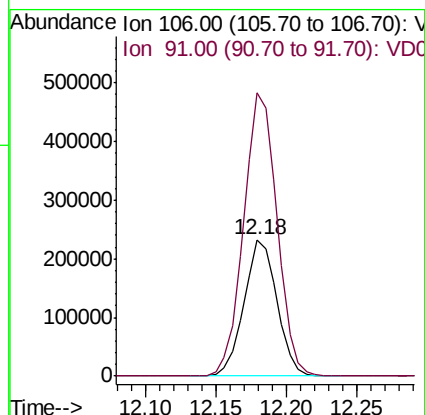
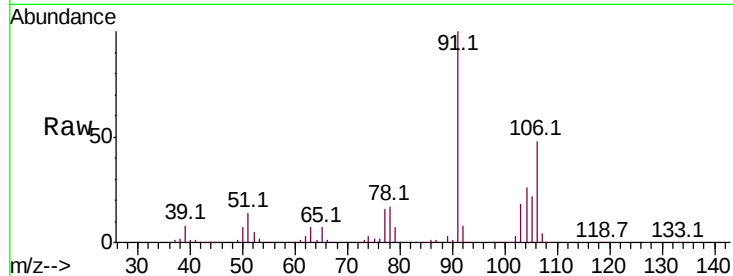




#69
o-Xylene
Concen: 54.774 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

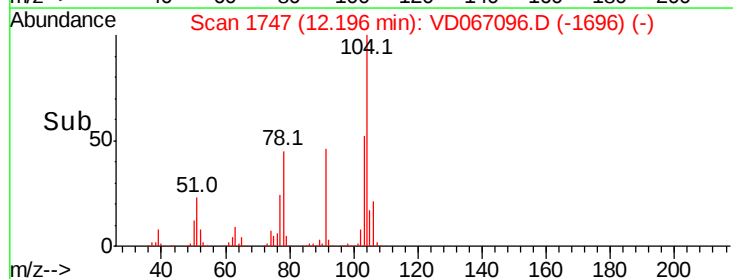
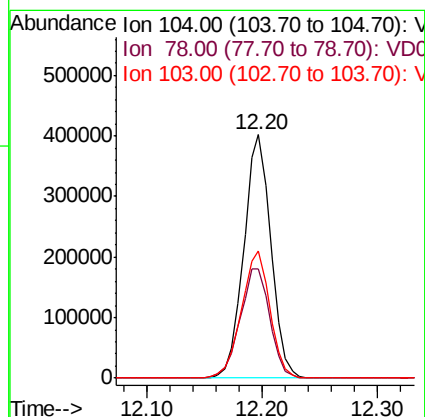
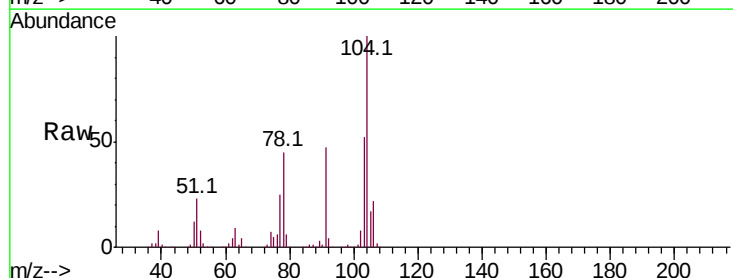
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

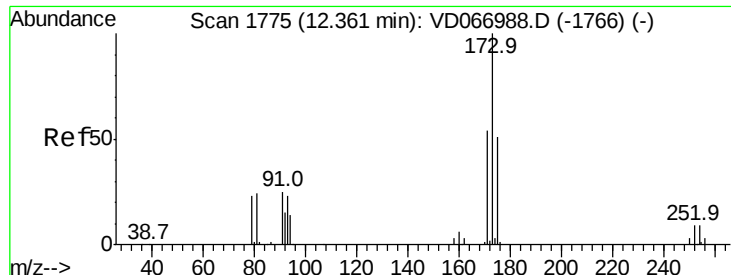
Tot Ion:106 Resp: 379318
Ion Ratio Lower Upper
106 100
91 211.0 102.4 307.2



#70
Styrene
Concen: 54.936 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:104 Resp: 653272
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 54.9 43.4 65.0

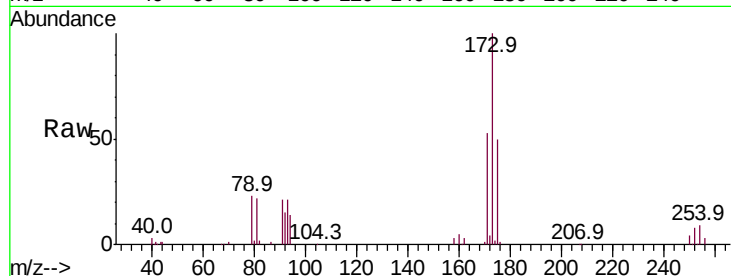




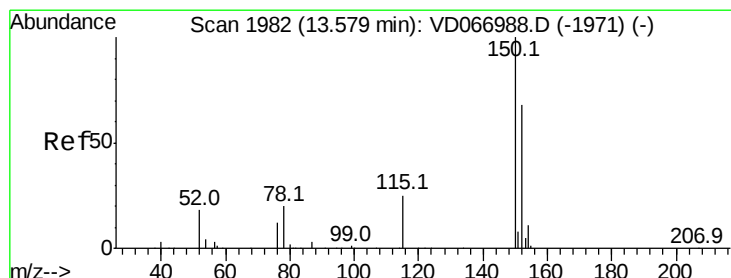
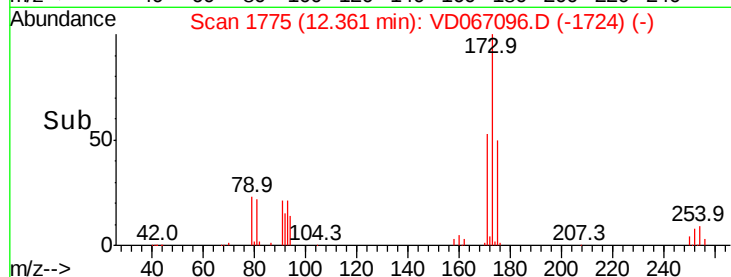
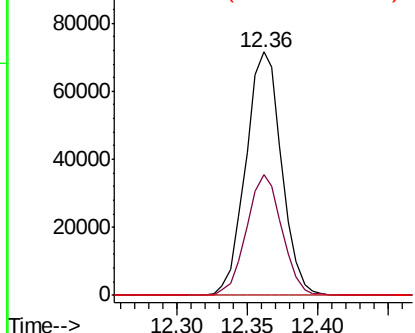
#71
Bromoform
Concen: 55.478 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 127042
Ion Ratio Lower Upper
173 100
175 48.9 24.9 74.7
254 0.0 0.2 0.4#

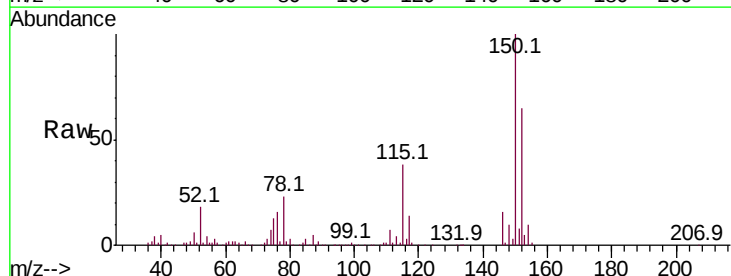


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

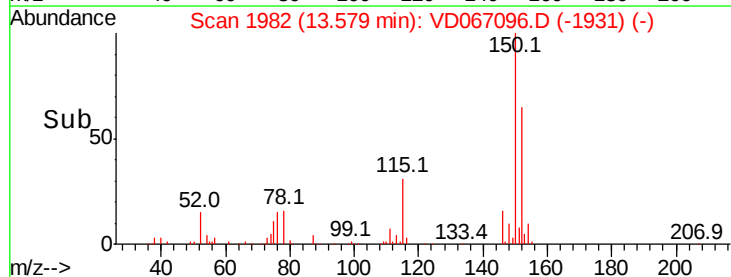
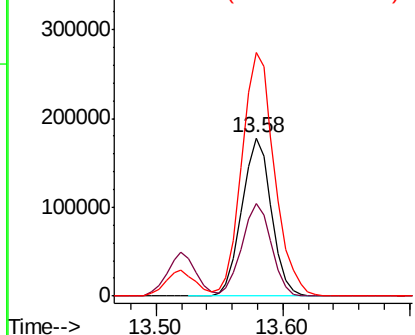


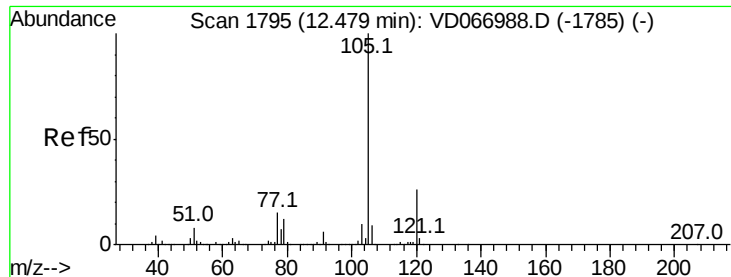
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:152 Resp: 286793
Ion Ratio Lower Upper
152 100
115 58.4 29.6 88.8
150 170.9 0.0 344.8



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: 55.741 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

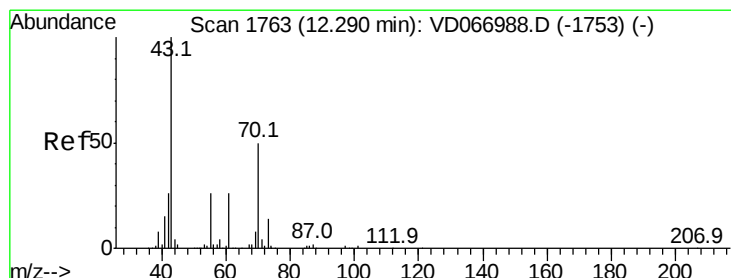
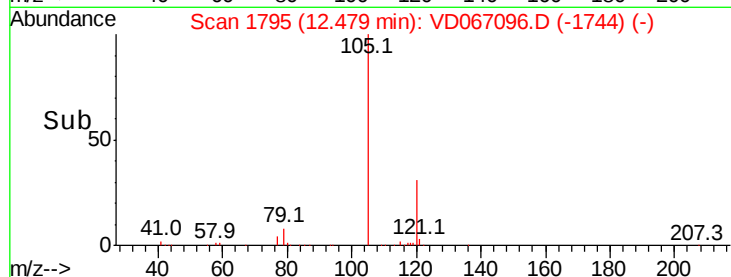
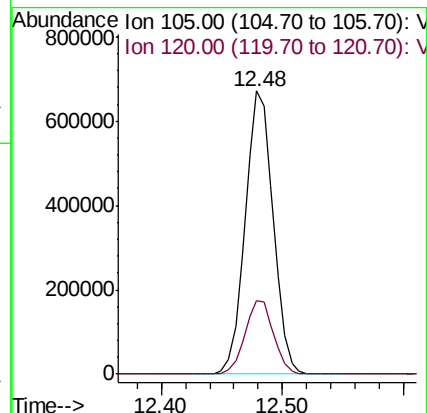
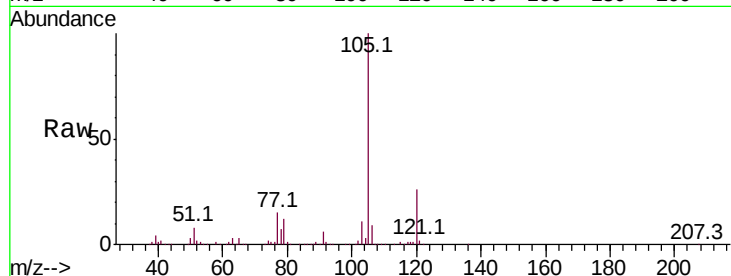
VSTDCCC050

Tot Ion:105 Resp: 1085482

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 49.648 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion: 43 Resp: 173802

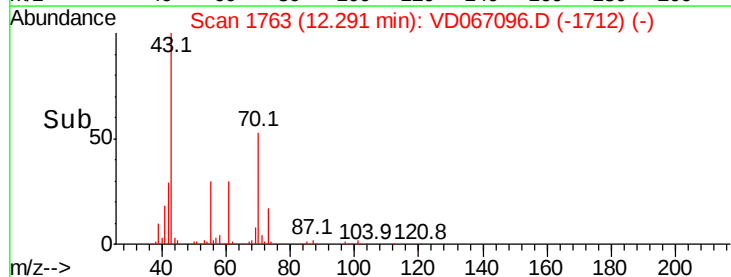
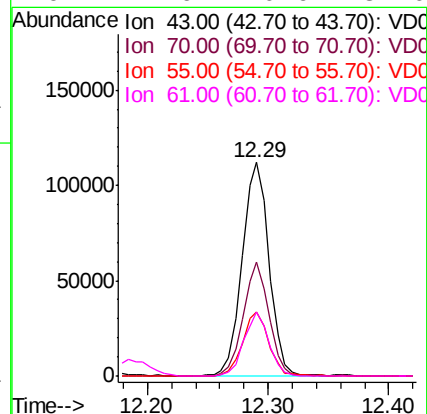
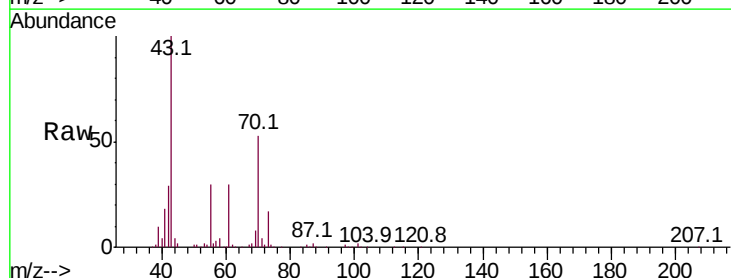
Ion Ratio Lower Upper

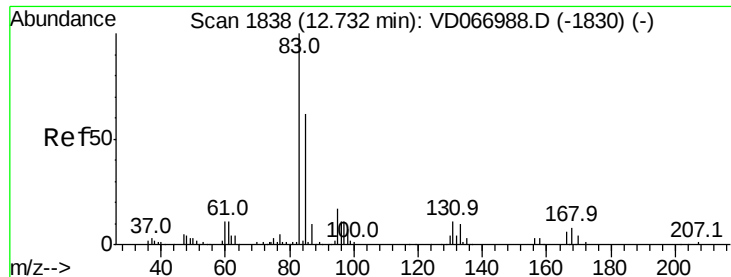
43 100

70 50.9 38.2 57.2

55 29.4 22.4 33.6

61 27.6 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.911 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

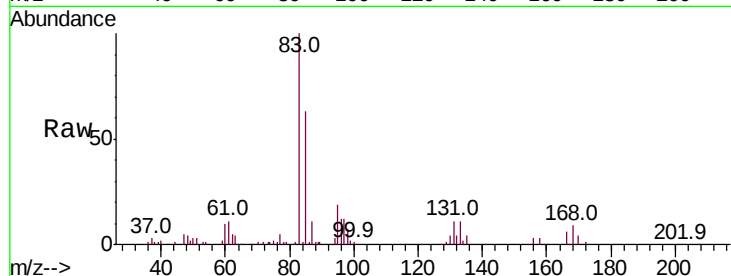
Tot Ion: 83 Resp: 163758

Ion Ratio Lower Upper

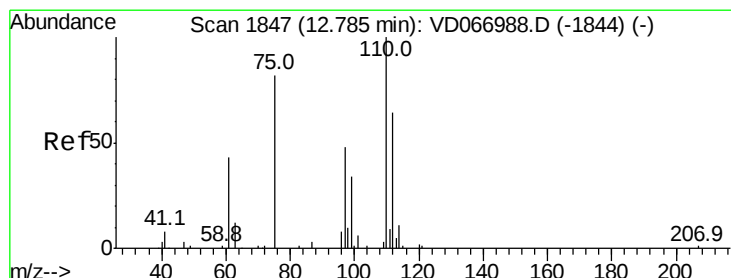
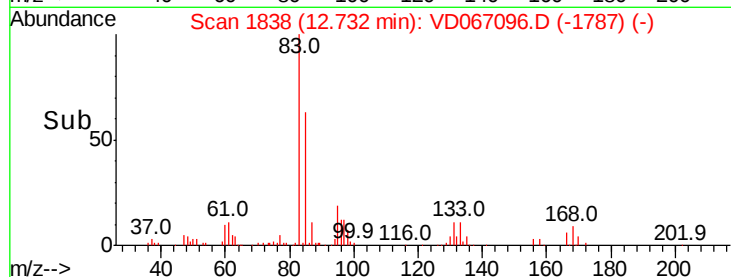
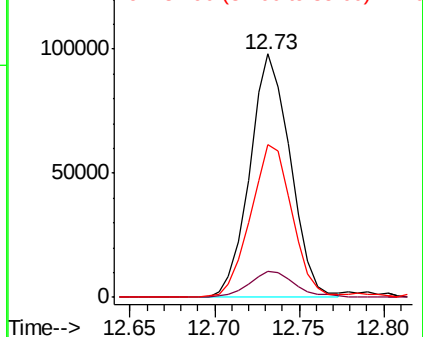
83 100

131 12.3 5.7 17.0

85 64.7 32.0 96.2



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: 86.825 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067096.D

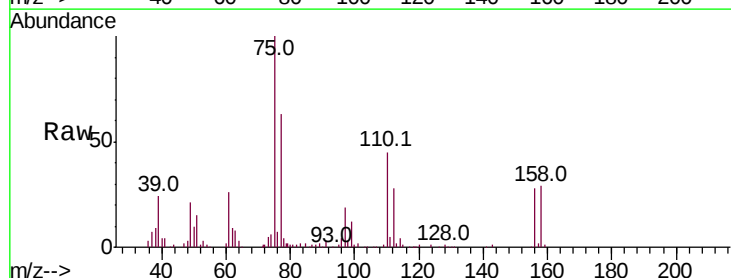
Acq: 06 Oct 2020 09:47

Tgt Ion: 75 Resp: 216895

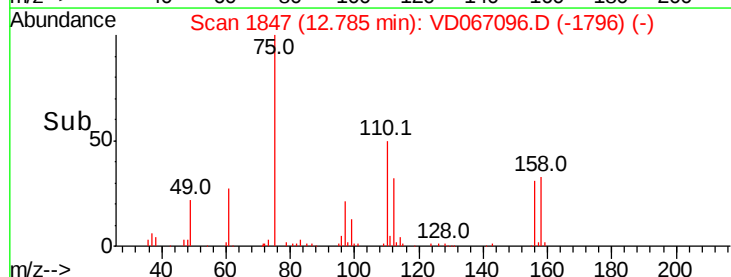
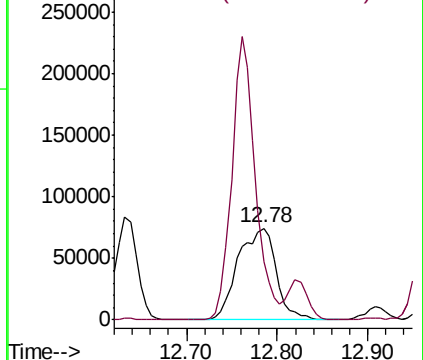
Ion Ratio Lower Upper

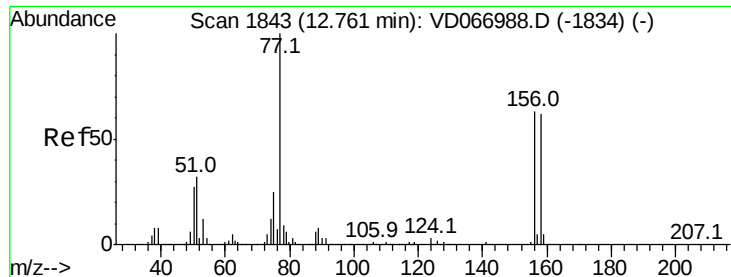
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 53.185 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

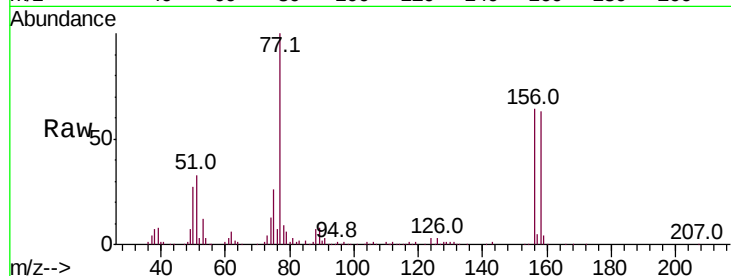
Tot Ion:156 Resp: 250084

Ion Ratio Lower Upper

156 100

77 166.0 86.3 258.8

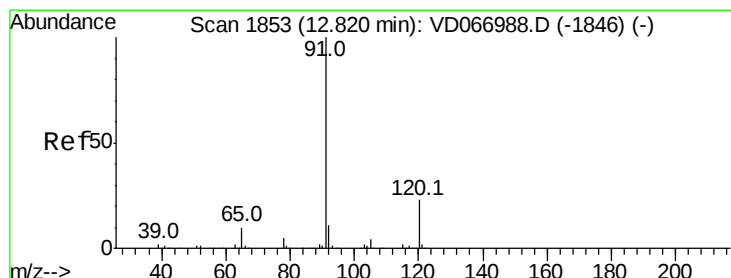
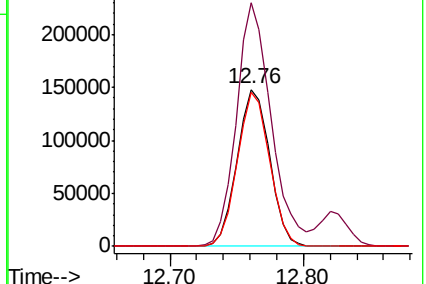
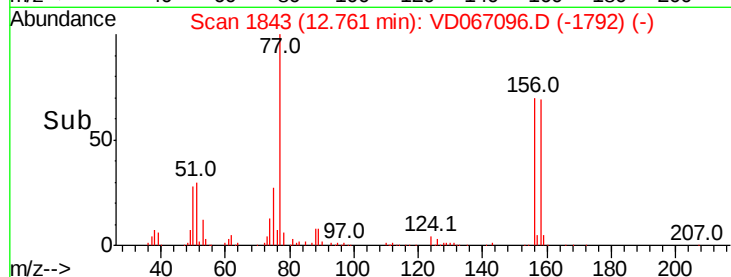
158 97.4 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.858 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067096.D

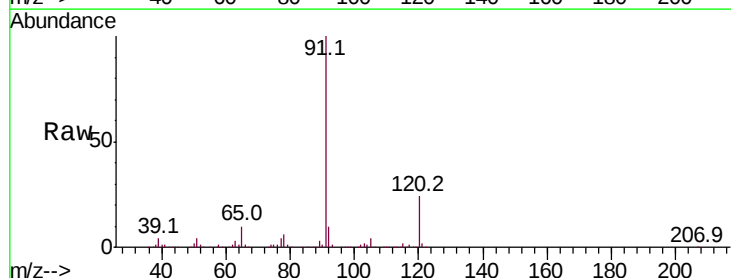
Acq: 06 Oct 2020 09:47

Tgt Ion: 91 Resp: 1262519

Ion Ratio Lower Upper

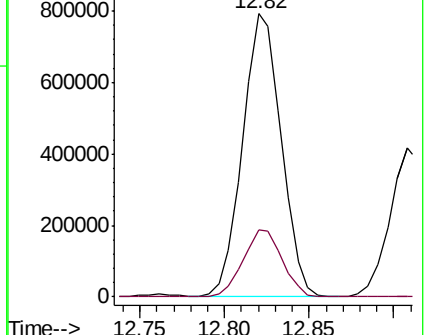
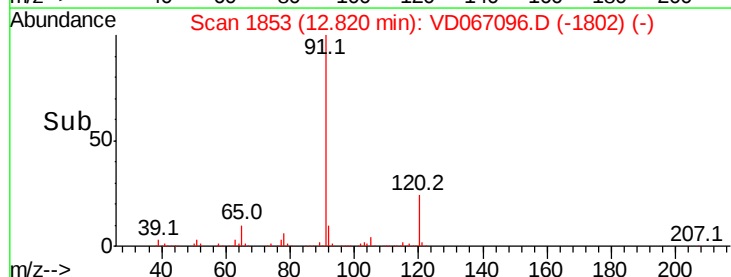
91 100

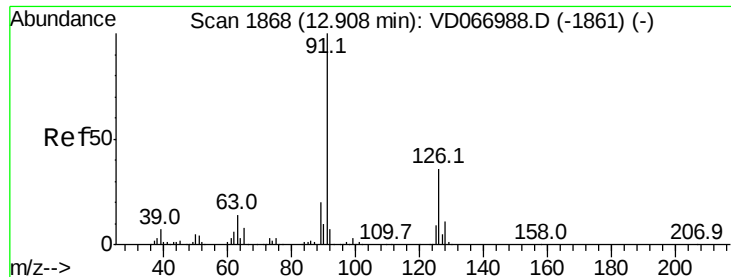
120 23.9 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.953 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

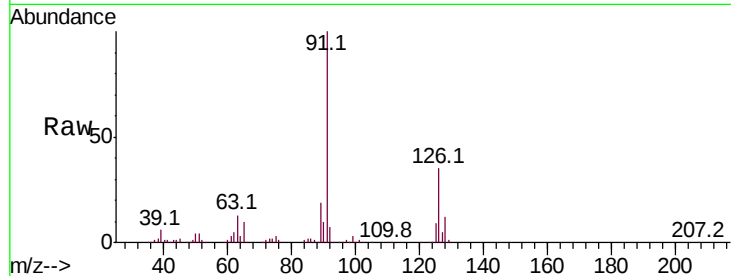
VSTDCCC050

Tot Ion: 91 Resp: 697270

Ion Ratio Lower Upper

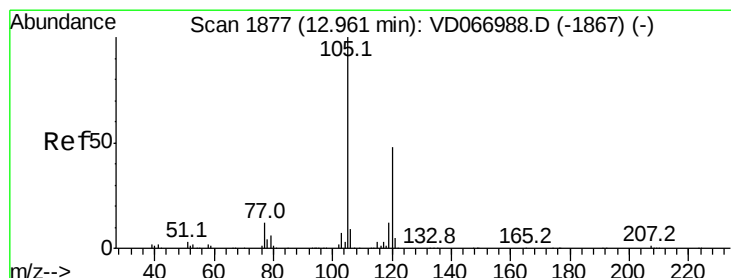
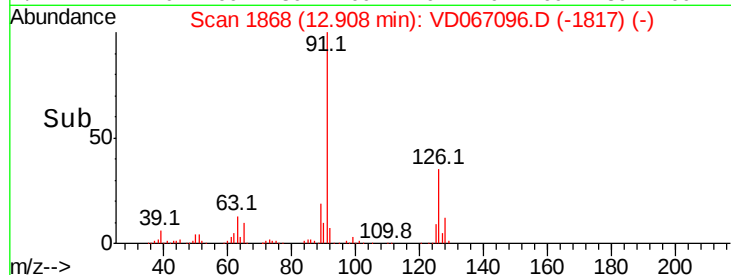
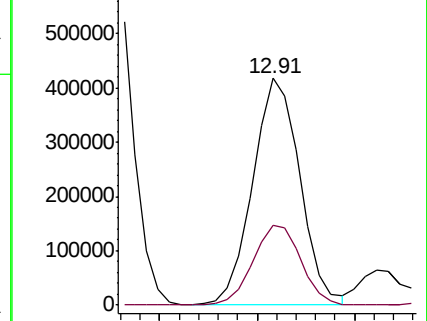
91 100

126 35.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.545 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067096.D

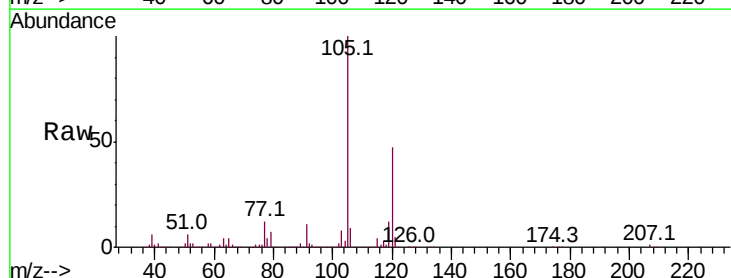
Acq: 06 Oct 2020 09:47

Tgt Ion: 105 Resp: 913876

Ion Ratio Lower Upper

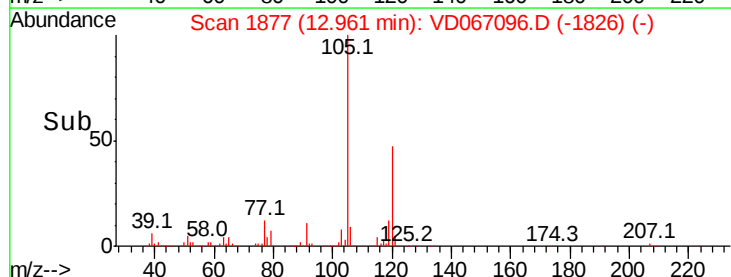
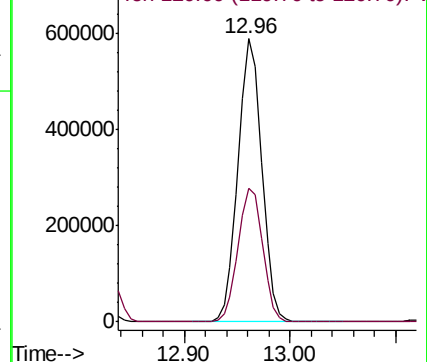
105 100

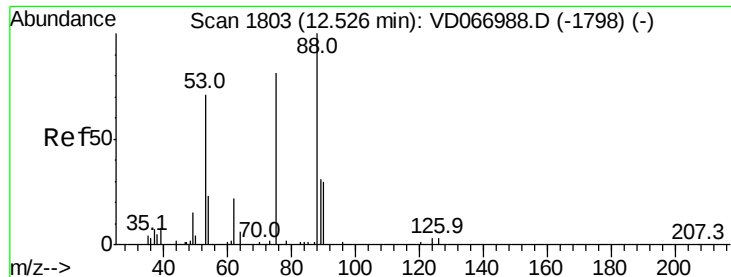
120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.502 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

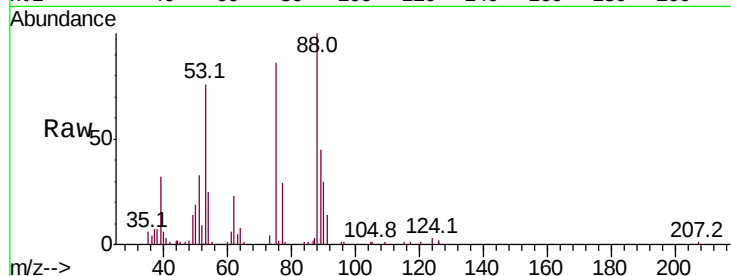
Tot Ion: 75 Resp: 52606

Ion Ratio Lower Upper

75 100

53 88.0 73.8 110.6

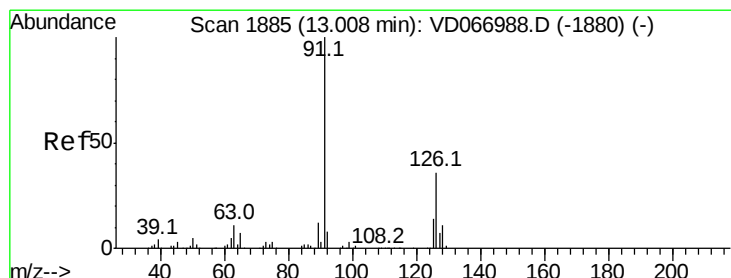
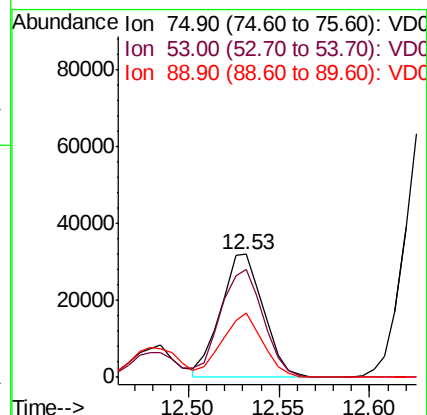
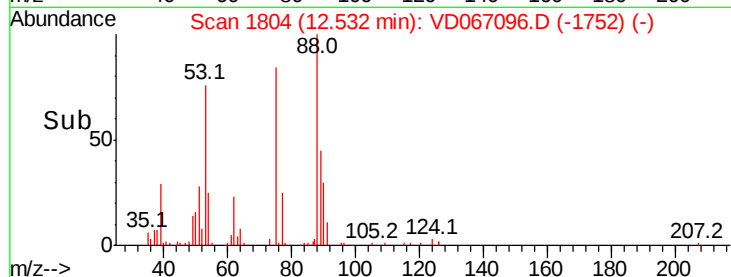
89 49.6 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.629 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067096.D

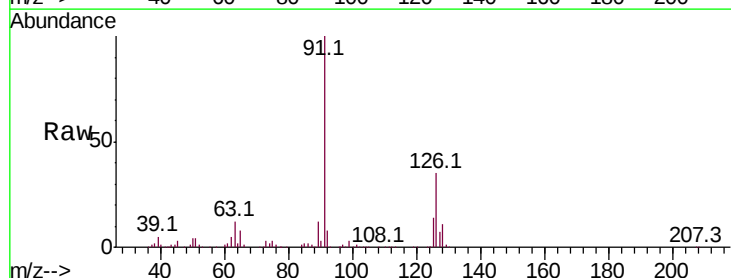
Acq: 06 Oct 2020 09:47

Tgt Ion: 91 Resp: 737312

Ion Ratio Lower Upper

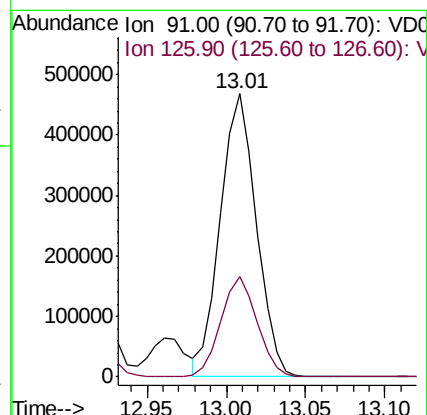
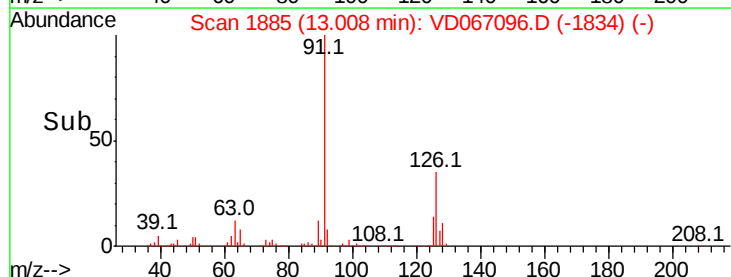
91 100

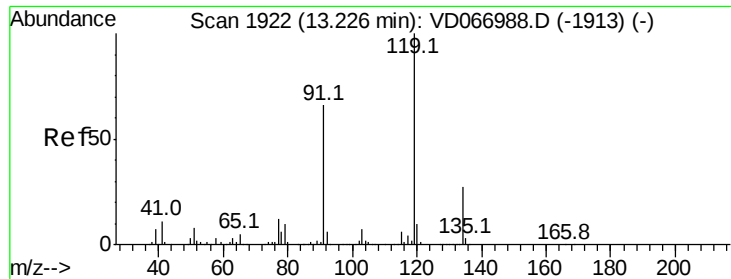
126 35.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

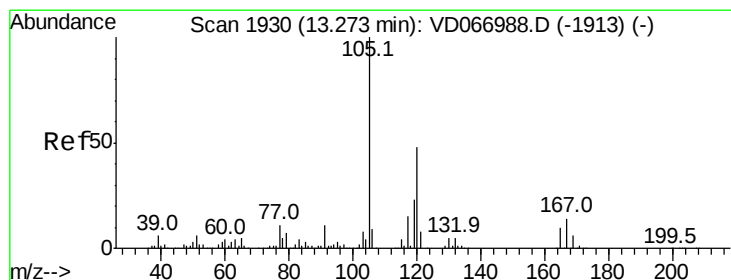
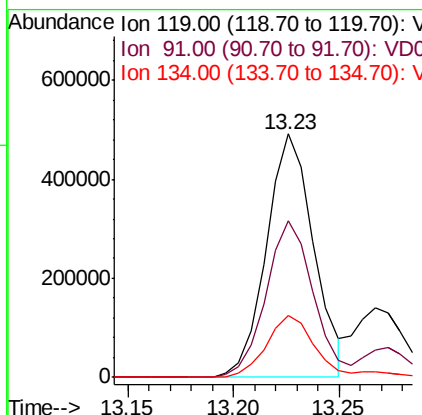
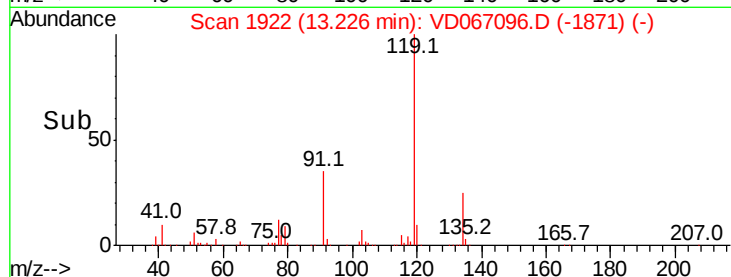
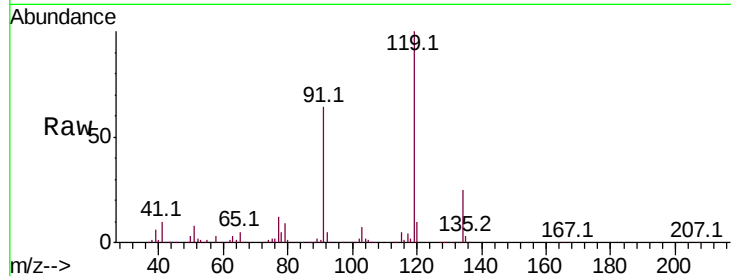




#83
tert-Butylbenzene
Concen: 55.247 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

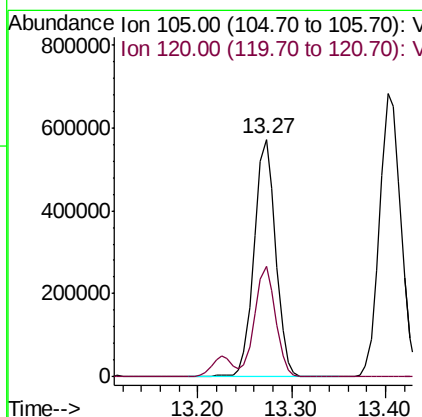
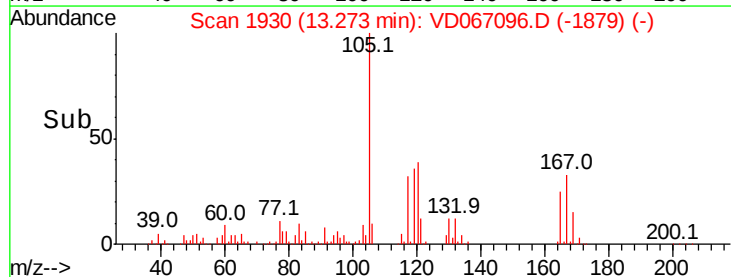
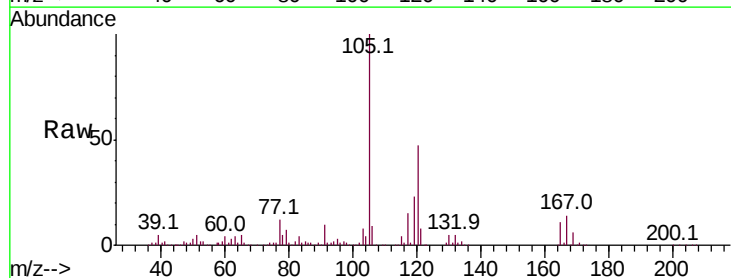
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

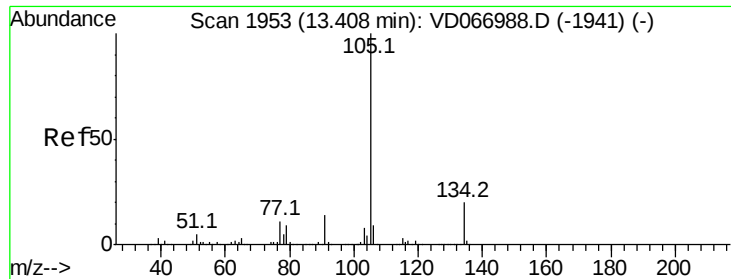
Tot Ion:119 Resp: 765443
Ion Ratio Lower Upper
119 100
91 64.6 32.8 98.3
134 27.3 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 55.249 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:105 Resp: 907163
Ion Ratio Lower Upper
105 100
120 45.3 23.3 69.8





#85

sec-Butylbenzene

Concen: 54.930 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

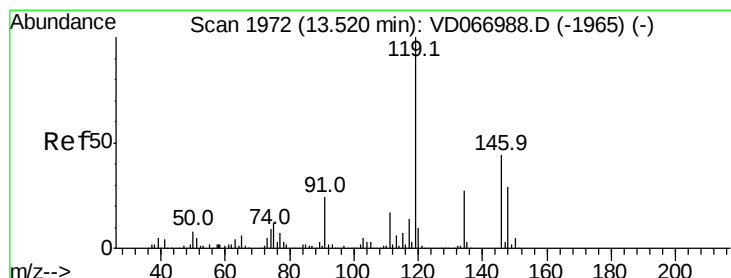
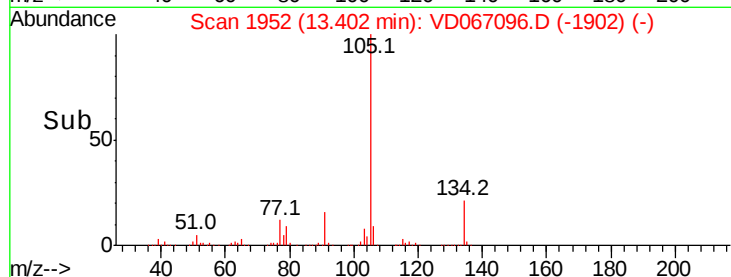
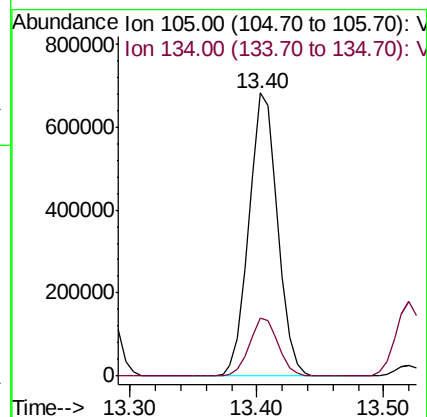
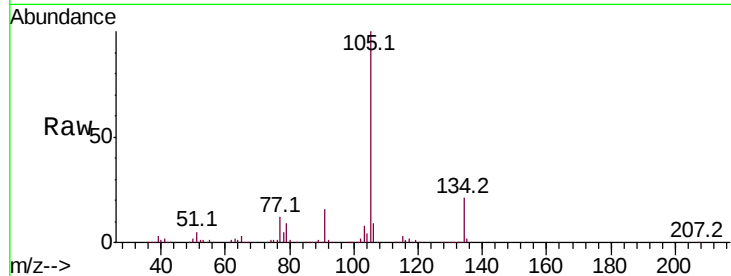
VSTDCCC050

Tot Ion:105 Resp: 1071761

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 55.657 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

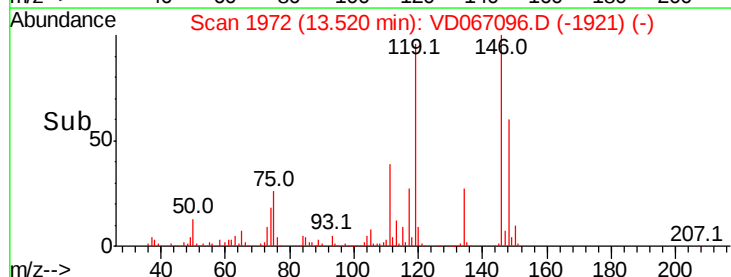
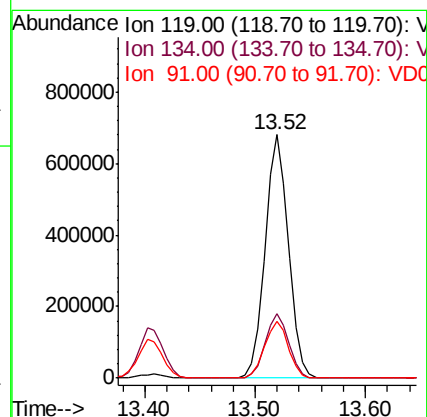
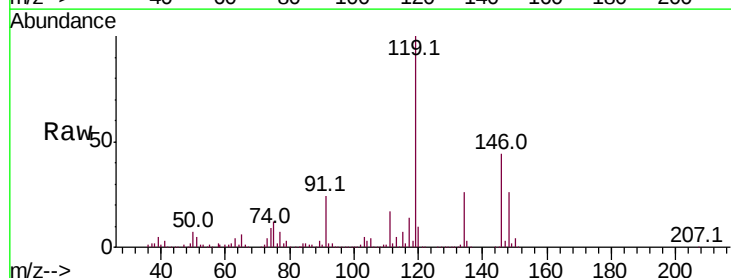
Tgt Ion:119 Resp: 1006788

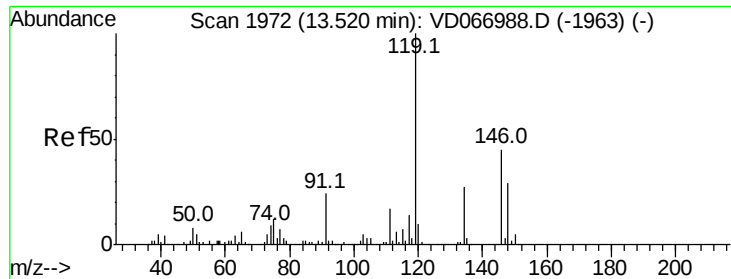
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

91 23.7 11.7 35.1

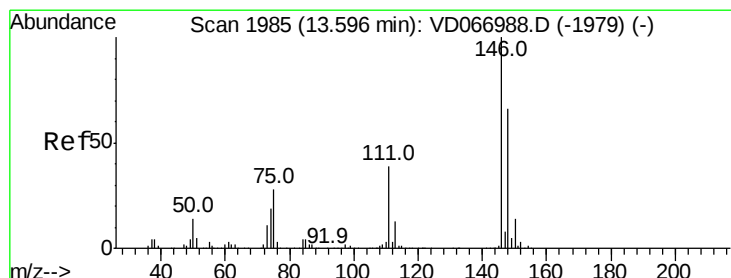
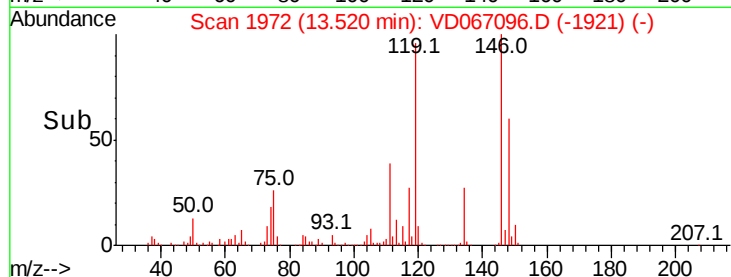
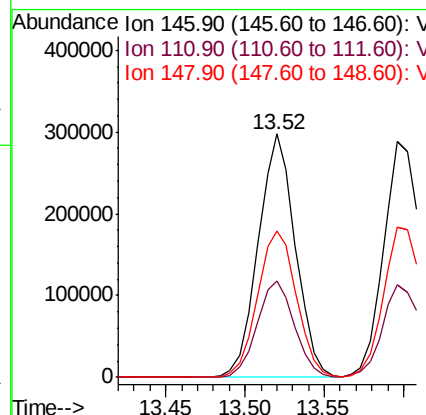
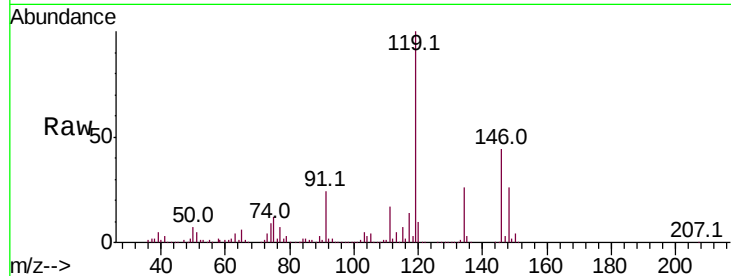




#87
 1,3-Dichlorobenzene
 Concen: 52.873 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

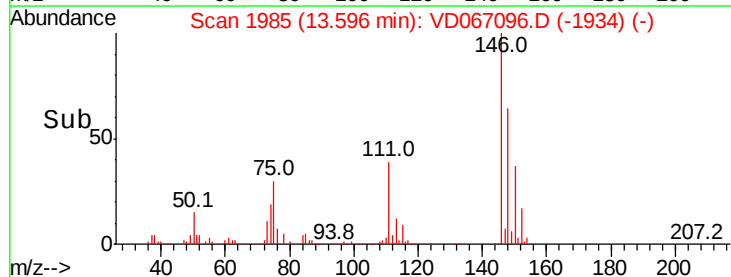
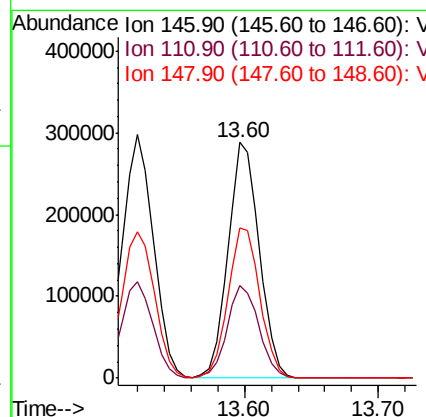
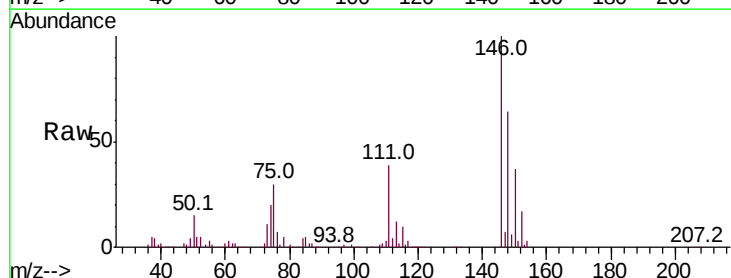
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

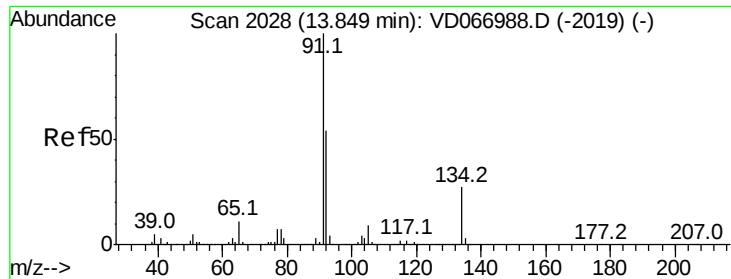
Tot Ion:146 Resp: 484263
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 62.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 51.663 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion:146 Resp: 473132
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.6 58.7
 148 64.8 32.6 97.7





#89

n-Butylbenzene

Concen: 55.509 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

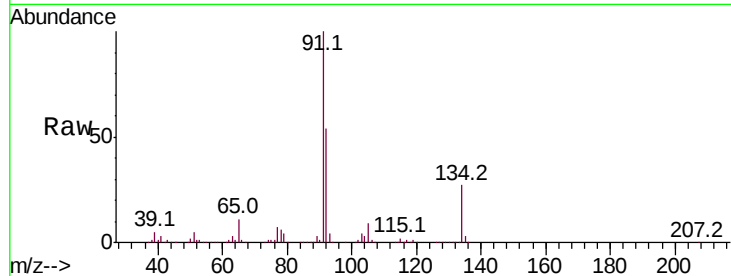
Tot Ion: 91 Resp: 917672

Ion Ratio Lower Upper

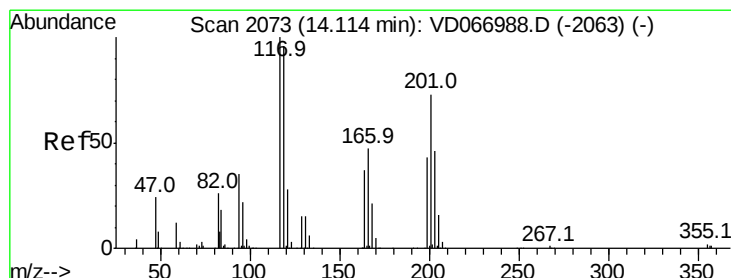
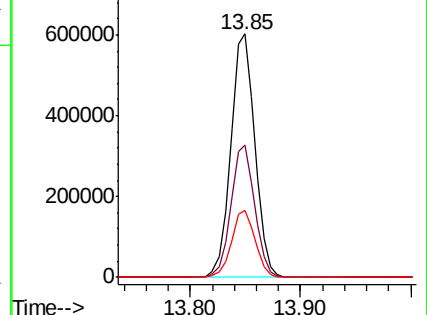
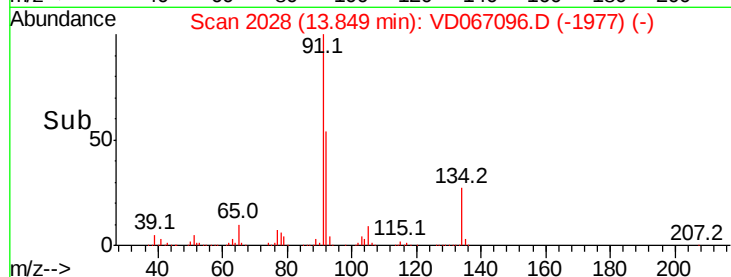
91 100

92 53.5 27.1 81.2

134 26.9 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.681 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD067096.D

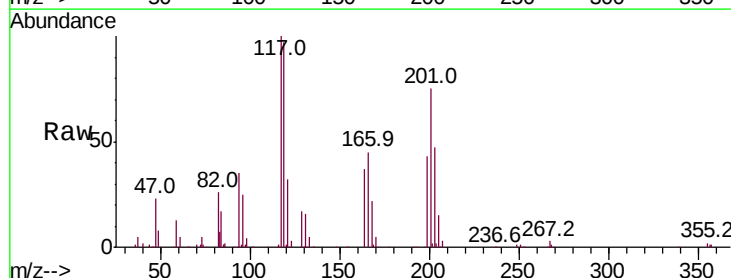
Acq: 06 Oct 2020 09:47

Tgt Ion: 117 Resp: 170094

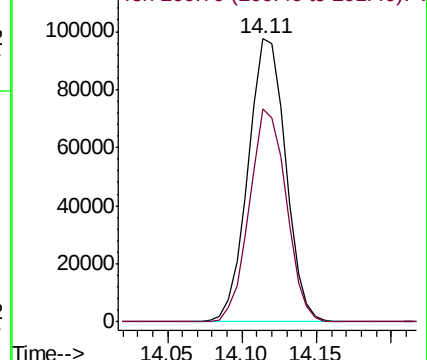
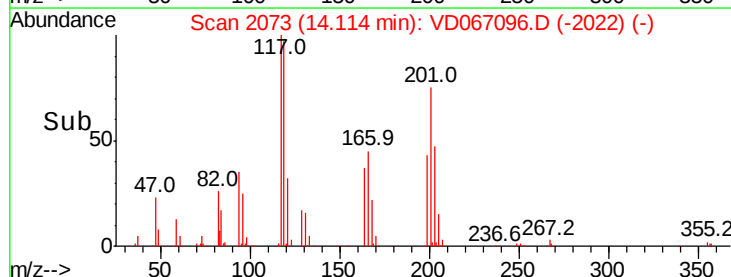
Ion Ratio Lower Upper

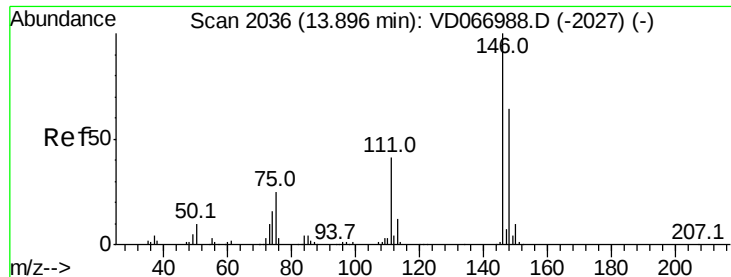
117 100

201 73.5 37.0 110.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.773 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

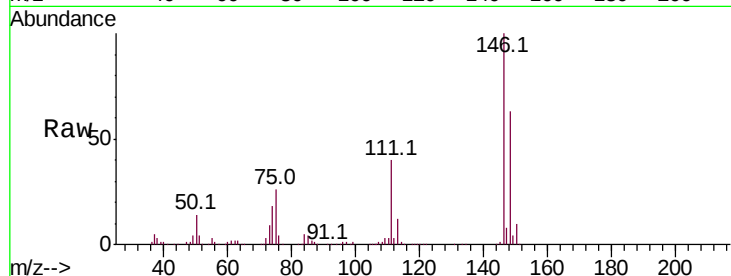
Tot Ion:146 Resp: 414125

Ion Ratio Lower Upper

146 100

111 42.0 20.9 62.7

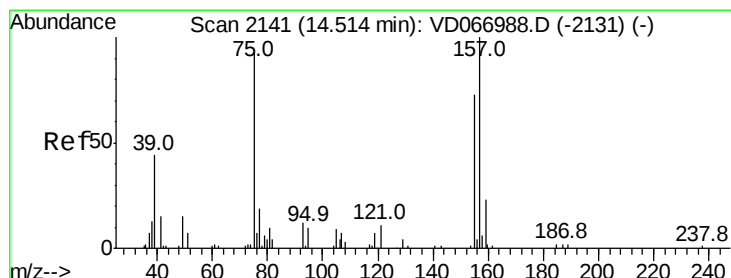
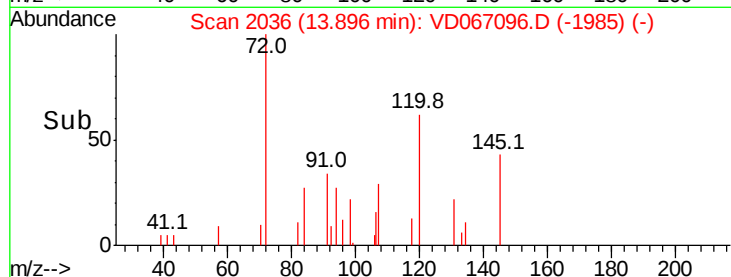
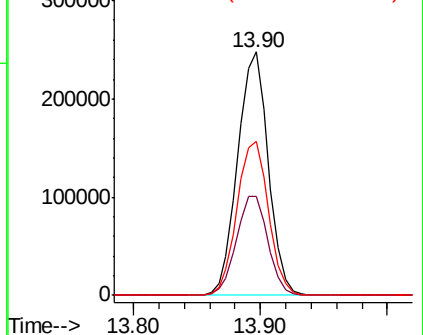
148 65.2 32.3 96.9



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: 50.562 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

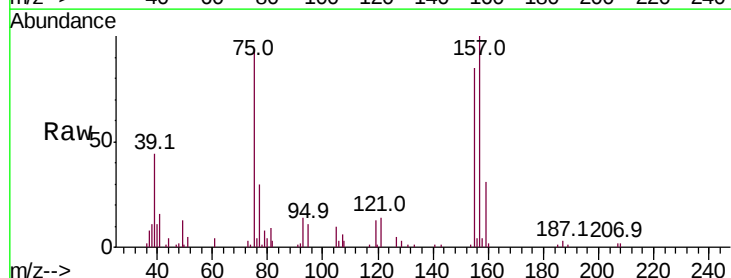
Tgt Ion: 75 Resp: 26742

Ion Ratio Lower Upper

75 100

155 89.9 45.2 135.6

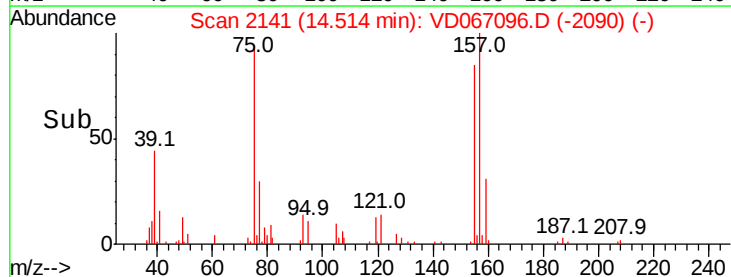
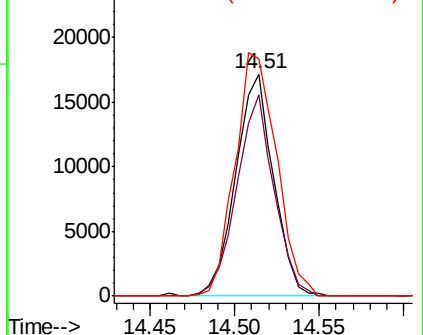
157 120.5 56.3 168.8

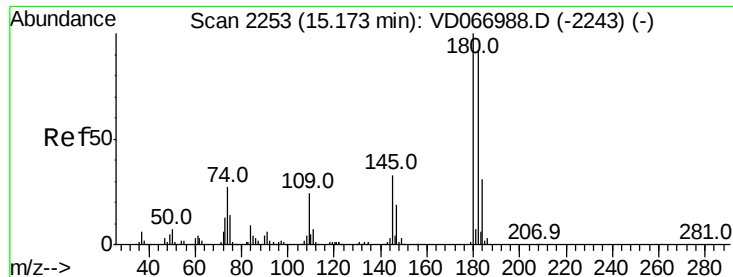


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

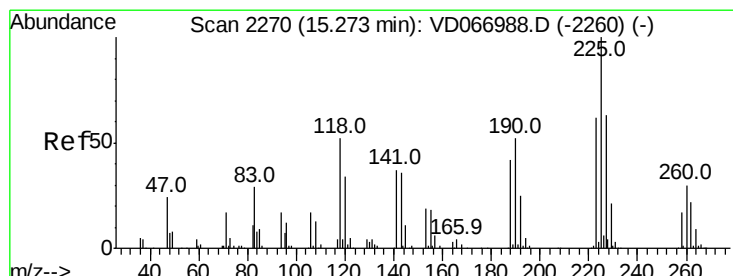
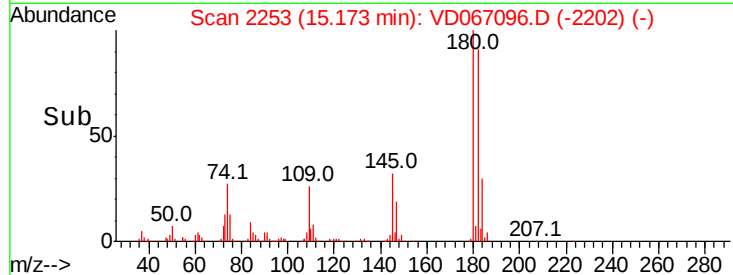
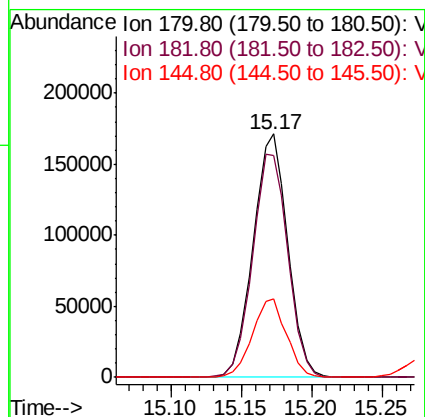
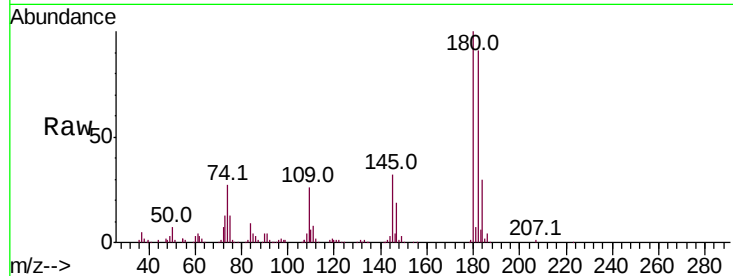




#93
 1,2,4-Trichlorobenzene
 Concen: 56.780 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

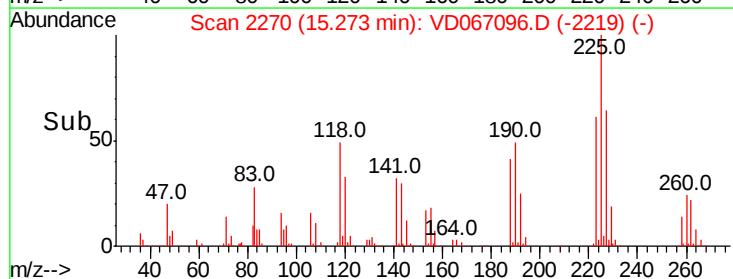
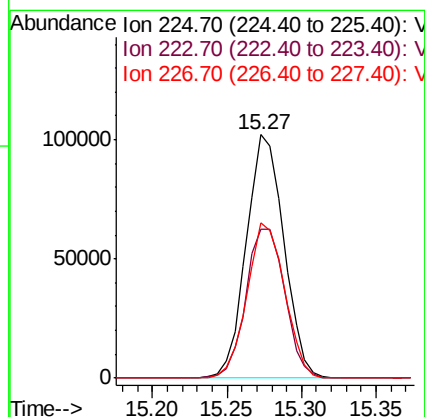
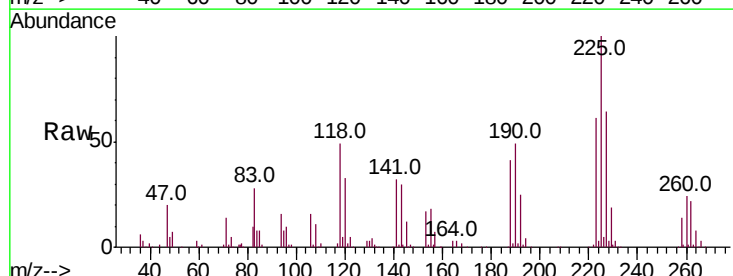
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

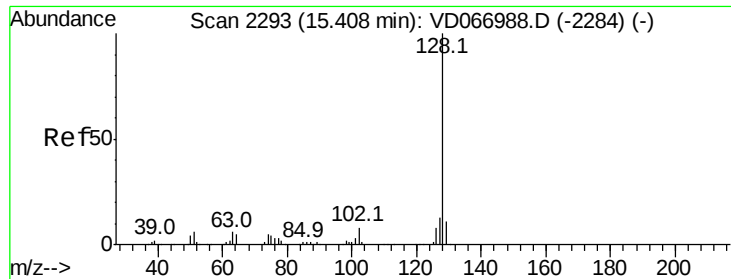
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	31.8	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 56.044 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.4	97.0
227	63.7	31.6	95.0

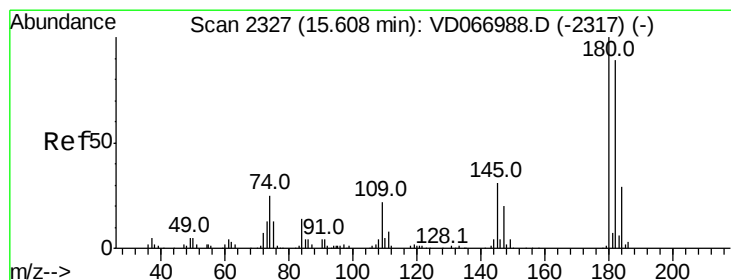
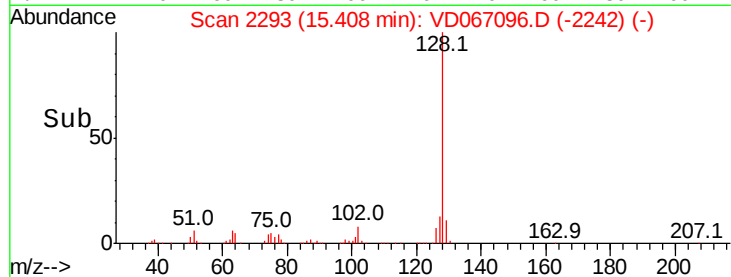
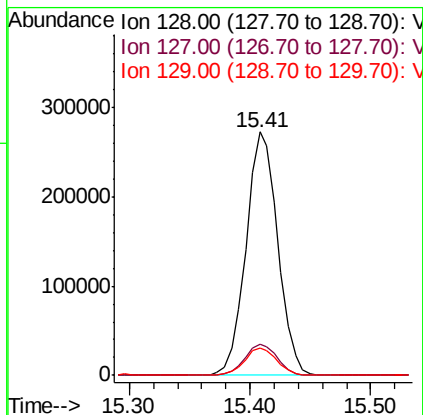
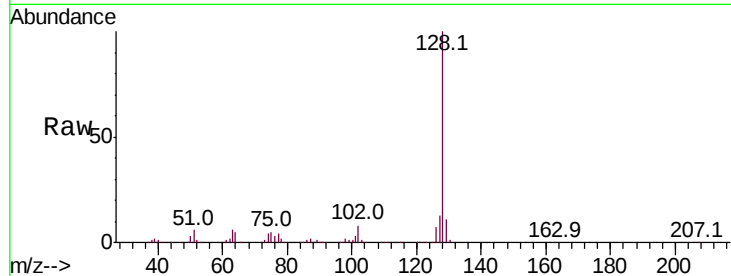




#95
Naphthalene
Concen: 57.772 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 498566
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 56.536 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:180 Resp: 253928
Ion Ratio Lower Upper
180 100
182 94.3 46.4 139.1
145 34.9 16.6 49.7

