

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067651.D
 Acq On : 17 Nov 2020 09:52
 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: Nov 17 23:56:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	292237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	409989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	374499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	190275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	118171	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	7.92	113	122023	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	10.34	98	424228	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.64	95	150853	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	119298	50.474	ug/l	95
3) Chloromethane	2.21	50	74393	40.879	ug/l	98
4) Vinyl Chloride	2.36	62	90541	44.625	ug/l	100
5) Bromomethane	2.77	94	76542	46.545	ug/l	99
6) Chloroethane	2.93	64	58893	47.082	ug/l	95
7) Trichlorofluoromethane	3.28	101	268948	51.195	ug/l	93
8) Diethyl Ether	3.71	74	50631	47.830	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	135639	51.150	ug/l	99
10) Methyl Iodide	4.30	142	138639	48.780	ug/l	99
11) Tert butyl alcohol	5.21	59	29108	265.596	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	118918	48.754	ug/l	95
13) Acrolein	3.93	56	24796	222.184	ug/l	99
14) Allyl chloride	4.72	41	122915	47.085	ug/l	98
15) Acrylonitrile	5.43	53	96569	246.790	ug/l	97
16) Acetone	4.16	43	103804	271.464	ug/l	97
17) Carbon Disulfide	4.41	76	341112	45.638	ug/l	99
18) Methyl Acetate	4.71	43	38379	48.570	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	243369	50.583	ug/l	100
20) Methylene Chloride	4.97	84	130289	48.235	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	139175	48.988	ug/l	97
22) Diisopropyl ether	6.36	45	259986	51.106	ug/l	99
23) Vinyl Acetate	6.30	43	687227	258.077	ug/l	98
24) 1,1-Dichloroethane	6.27	63	207151	49.775	ug/l	98
25) 2-Butanone	7.21	43	102485	250.827	ug/l	94
26) 2,2-Dichloropropane	7.21	77	231258	52.651	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	150640	51.085	ug/l	99
28) Bromochloromethane	7.55	49	73791	49.847	ug/l	98
29) Tetrahydrofuran	7.57	42	62374	254.852	ug/l	98
30) Chloroform	7.71	83	258184	52.001	ug/l	99
31) Cyclohexane	7.99	56	170092	45.895	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	264196	51.573	ug/l	100
36) 1,1-Dichloropropene	8.11	75	189890	54.108	ug/l	99
37) Ethyl Acetate	7.30	43	47930	52.606	ug/l	99
38) Carbon Tetrachloride	8.10	117	262066	57.474	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	224990	54.470	ug/l	96
40) Benzene	8.35	78	510809	53.734	ug/l	98
41) Methacrylonitrile	7.57	41	67646	124.209	ug/l #	13
42) 1,2-Dichloroethane	8.43	62	163896	55.802	ug/l	97
43) Isopropyl Acetate	8.46	43	93618	51.955	ug/l	97
44) Trichloroethene	9.12	130	165683	53.006	ug/l	86
45) 1,2-Dichloropropane	9.39	63	108942	53.005	ug/l	94
46) Dibromomethane	9.48	93	70071	53.619	ug/l	97
47) Bromodichloromethane	9.67	83	199537	56.177	ug/l	99
48) Methyl methacrylate	9.46	41	51251	55.087	ug/l	97
49) 1,4-Dioxane	9.47	88	13408	1010.665	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	237566	275.673	ug/l	99
52) Toluene	10.41	92	357948	56.217	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	171945	56.522	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	193971	53.667	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	92915	53.736	ug/l	97
56) Ethyl methacrylate	10.67	69	98799	55.332	ug/l	99
57) 1,3-Dichloropropane	10.95	76	151797	54.556	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	221232	265.691	ug/l	100
59) 2-Hexanone	10.99	43	178760	296.674	ug/l	99
60) Dibromochloromethane	11.14	129	144888	56.646	ug/l	99
61) 1,2-Dibromoethane	11.25	107	94574	54.497	ug/l	99
64) Tetrachloroethene	10.88	164	149745	53.991	ug/l	97
65) Chlorobenzene	11.67	112	382768	53.060	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	157718	55.471	ug/l	98
67) Ethyl Benzene	11.75	91	694720	56.278	ug/l	99
68) m/p-Xylenes	11.86	106	537910	112.006	ug/l	98
69) o-Xylene	12.18	106	244276	56.970	ug/l	98
70) Styrene	12.20	104	418589	56.024	ug/l	98
71) Bromoform	12.37	173	79479	54.811	ug/l #	99
73) Isopropylbenzene	12.48	105	699499	56.883	ug/l	99
74) N-amyl acetate	12.29	43	83450	51.573	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	87390	52.115	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	126892	110.548	ug/l #	100
77) Bromobenzene	12.77	156	167547	55.479	ug/l	96
78) n-propylbenzene	12.83	91	798129	56.743	ug/l	100
79) 2-Chlorotoluene	12.91	91	447355	55.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	606800	57.764	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	29198	51.644	ug/l	98
82) 4-Chlorotoluene	13.01	91	486533	56.776	ug/l	99
83) tert-Butylbenzene	13.23	119	516902	58.060	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	609983	58.335	ug/l	100
85) sec-Butylbenzene	13.41	105	689488	57.369	ug/l	99
86) p-Isopropyltoluene	13.52	119	667048	57.475	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	318231	55.223	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	309374	53.020	ug/l	99
89) n-Butylbenzene	13.85	91	576500	57.508	ug/l	99
90) Hexachloroethane	14.12	117	123743	56.618	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	271529	54.443	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16619	55.976	ug/l	96

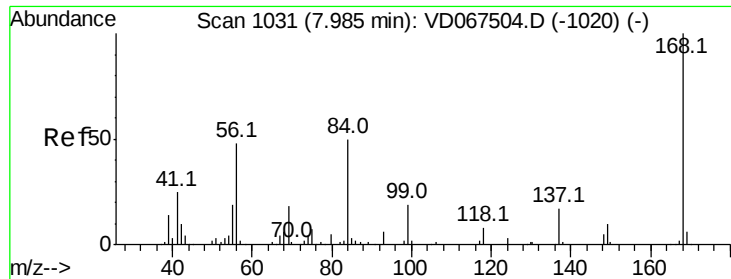
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	189165	55.883	ug/l	97
94) Hexachlorobutadiene	15.27	225	127274	56.179	ug/l	98
95) Naphthalene	15.41	128	292343	55.963	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	160277	55.293	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

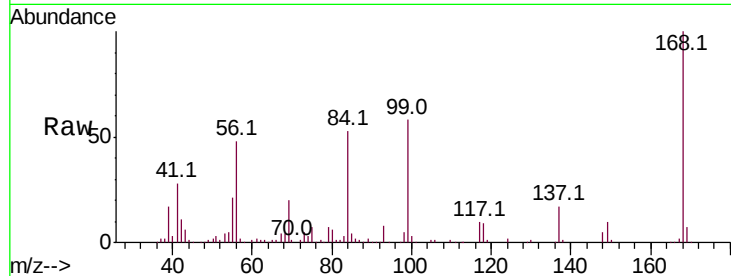
VSTDCCC050

Tot Ion:168 Resp: 292237

Ion Ratio Lower Upper

168 100

99 57.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

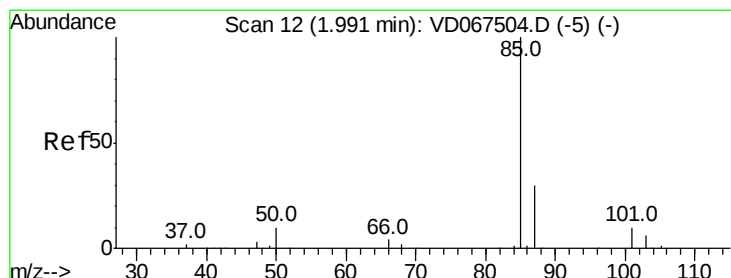
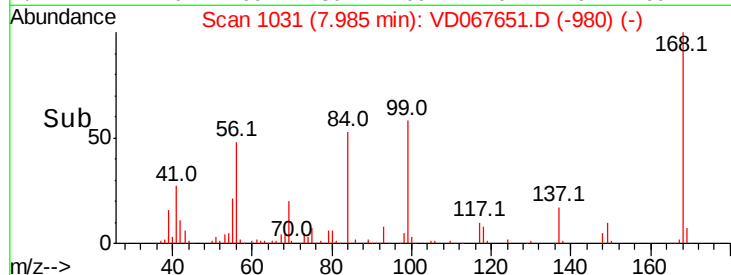
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 50.474 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067651.D

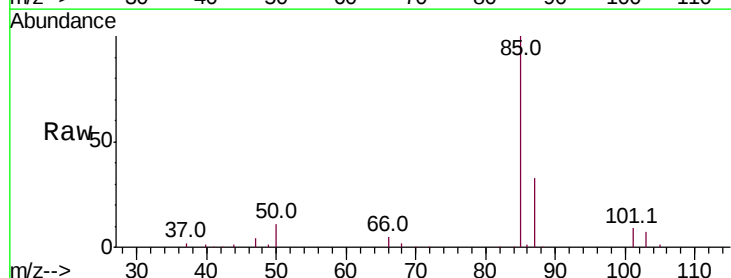
Acq: 17 Nov 2020 09:52

Tgt Ion: 85 Resp: 119298

Ion Ratio Lower Upper

85 100

87 33.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

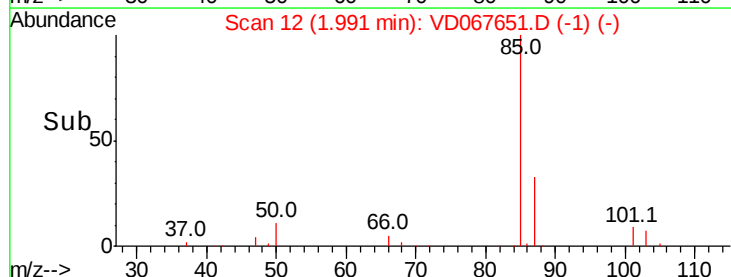
40000

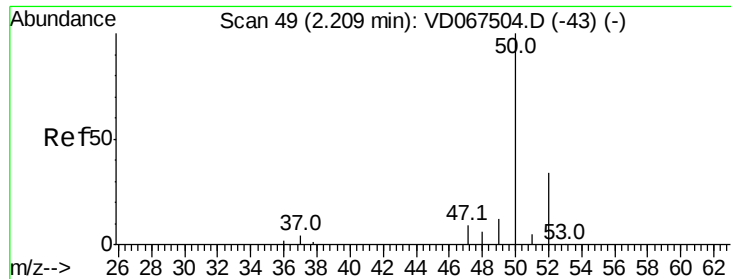
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 40.879 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

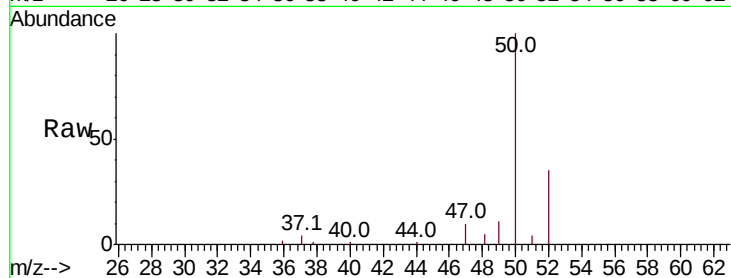
VSTDCCC050

Tot Ion: 50 Resp: 74393

Ion Ratio Lower Upper

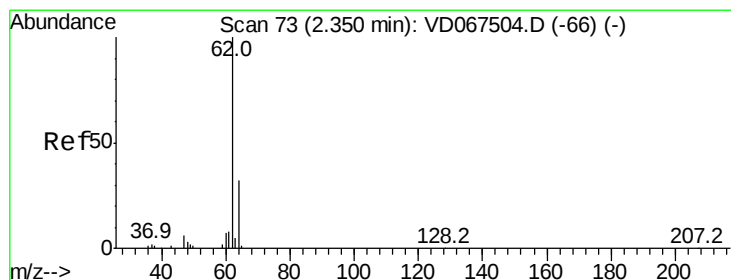
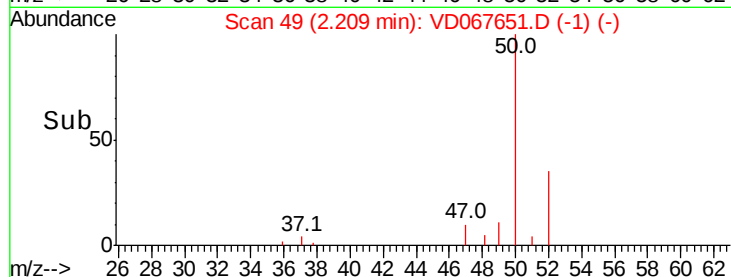
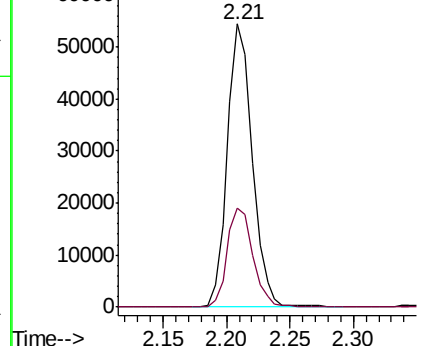
50 100

52 35.0 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.625 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067651.D

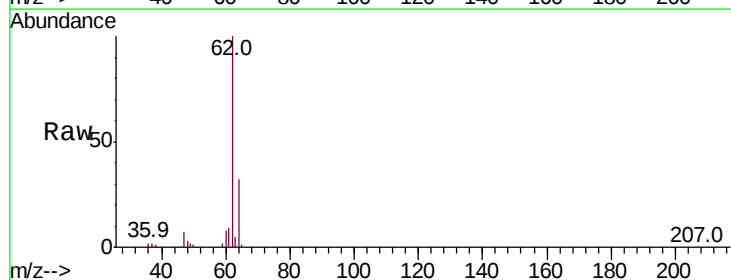
Acq: 17 Nov 2020 09:52

Tgt Ion: 62 Resp: 90541

Ion Ratio Lower Upper

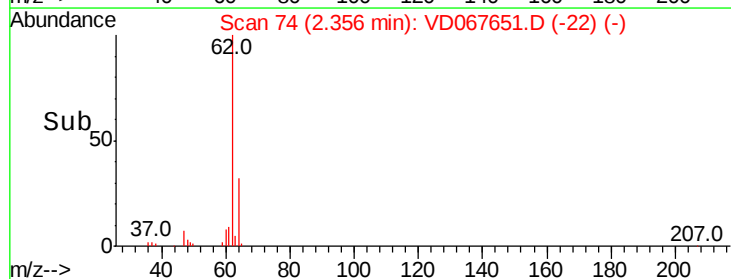
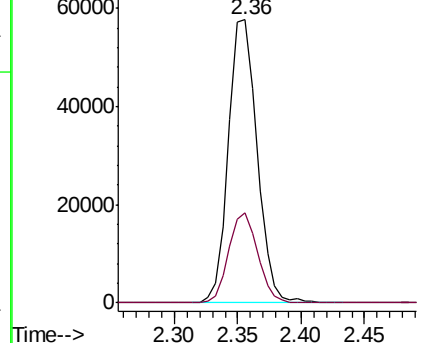
62 100

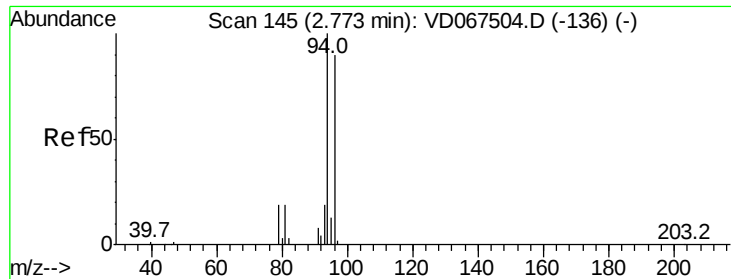
64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.545 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

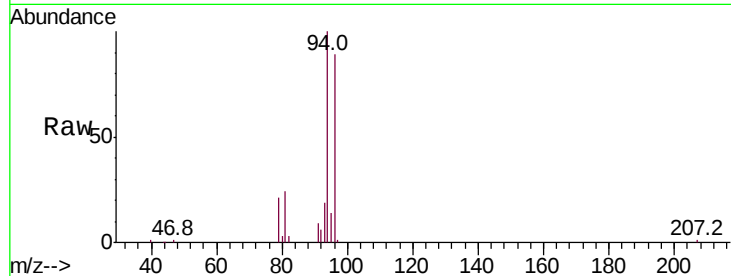
VSTDCCC050

Tot Ion: 94 Resp: 76542

Ion Ratio Lower Upper

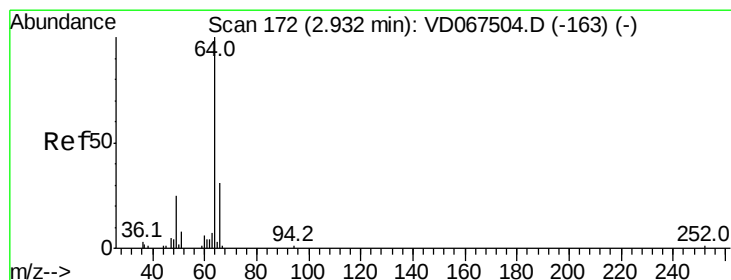
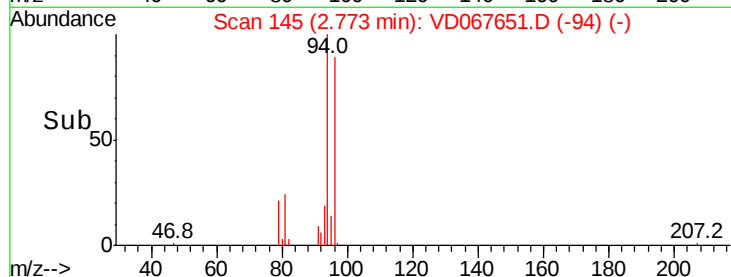
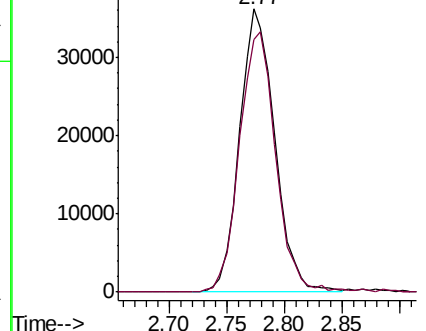
94 100

96 89.2 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.082 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD067651.D

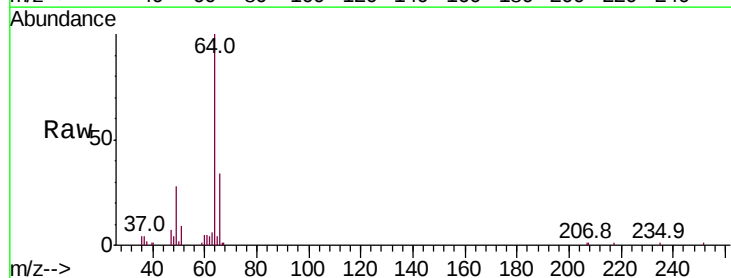
Acq: 17 Nov 2020 09:52

Tgt Ion: 64 Resp: 58893

Ion Ratio Lower Upper

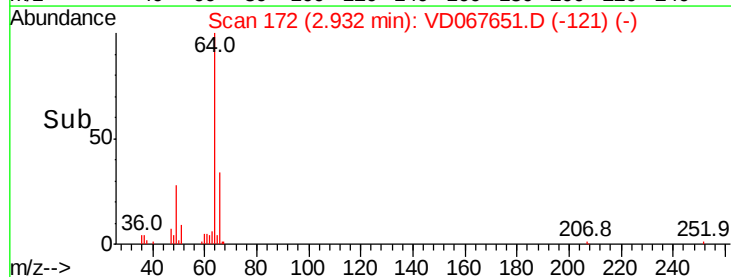
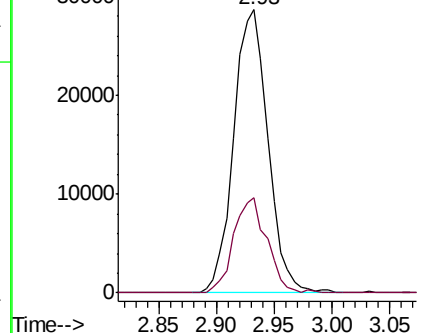
64 100

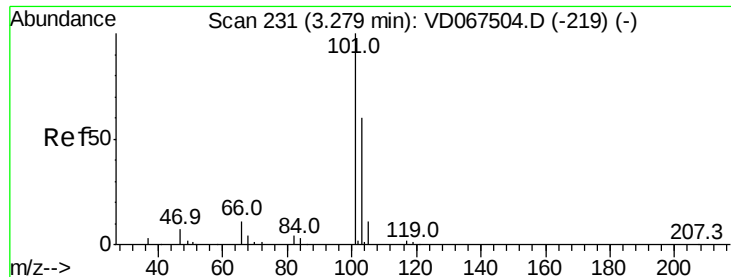
66 33.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



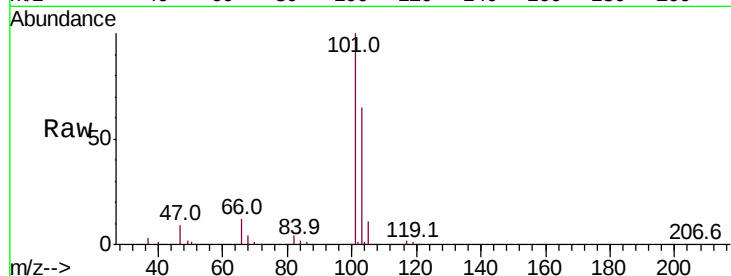


#7

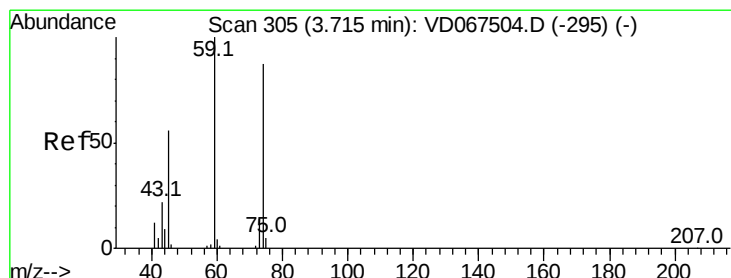
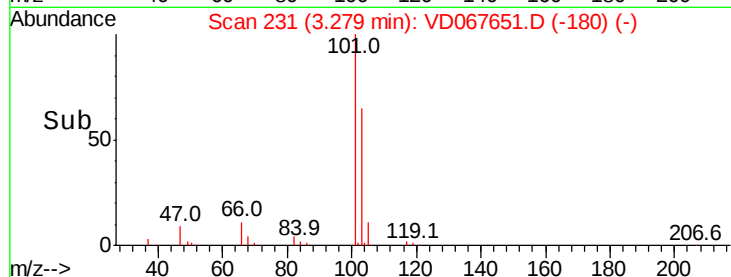
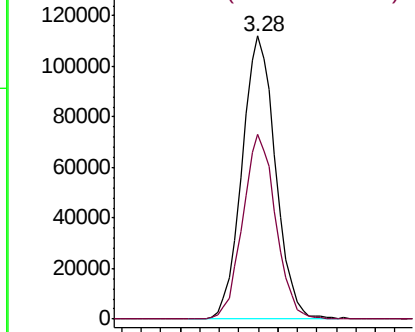
Trichlorofluoromethane
 Concen: 51.195 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

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 VSTDCCC050

Tot Ion:101 Resp: 268948
 Ion Ratio Lower Upper
 101 100
 103 65.4 48.1 72.1



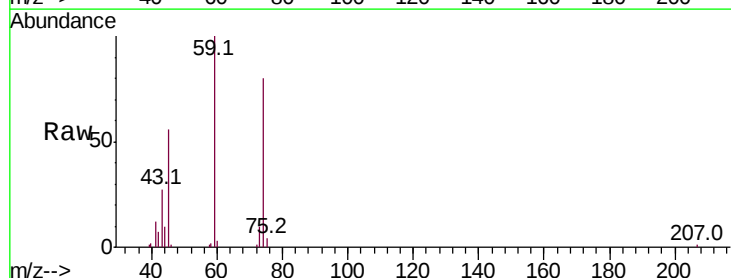
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



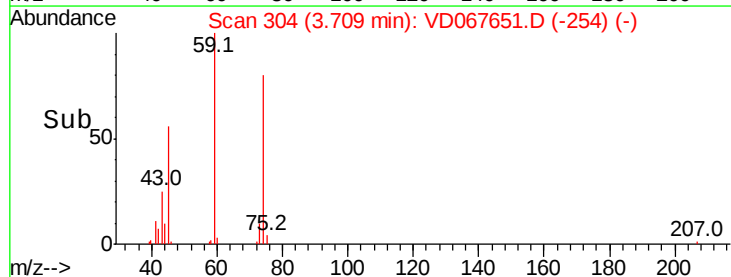
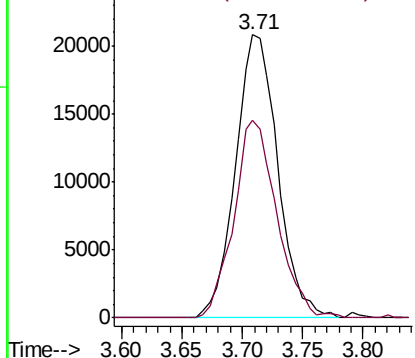
#8

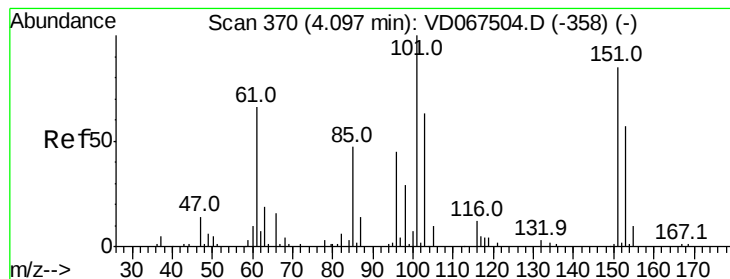
Diethyl Ether
 Concen: 47.830 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

Tgt Ion: 74 Resp: 50631
 Ion Ratio Lower Upper
 74 100
 45 71.2 38.2 114.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.150 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

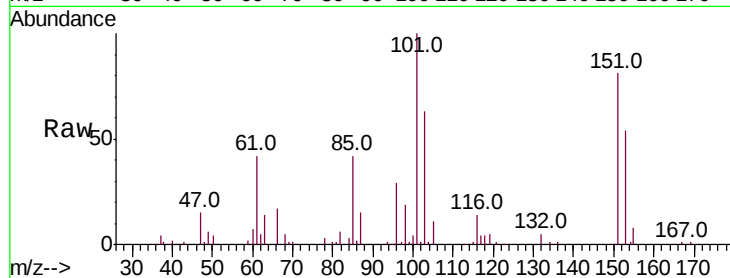
Tot Ion:101 Resp: 135639

Ion Ratio Lower Upper

101 100

85 42.6 34.4 51.6

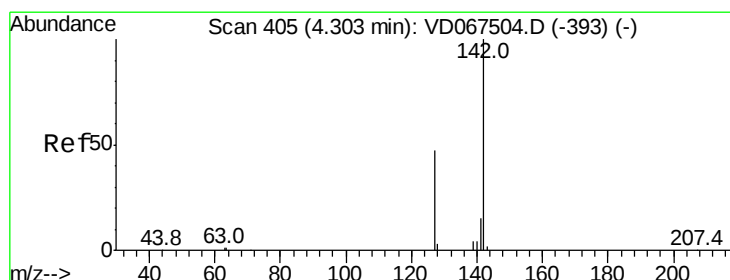
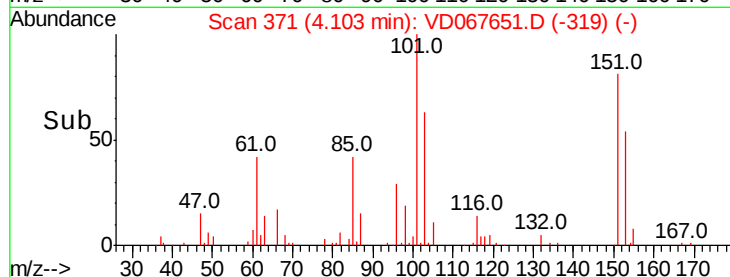
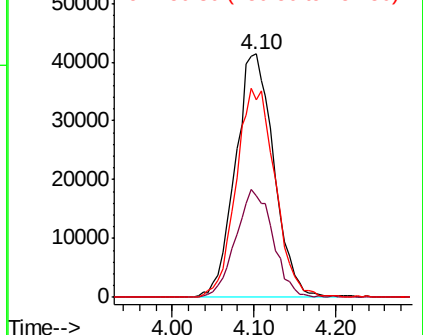
151 86.4 68.1 102.1



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: 48.780 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

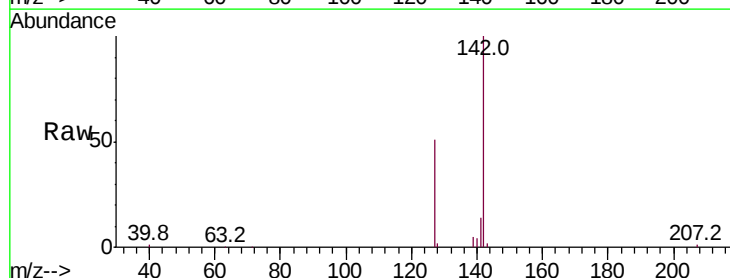
Tgt Ion:142 Resp: 138639

Ion Ratio Lower Upper

142 100

127 50.9 40.0 60.0

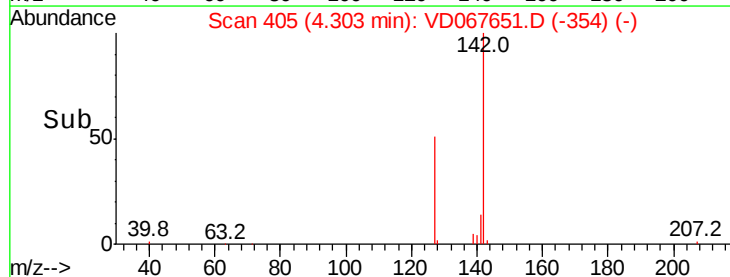
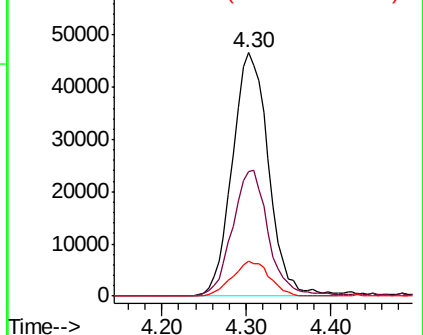
141 14.6 11.7 17.5

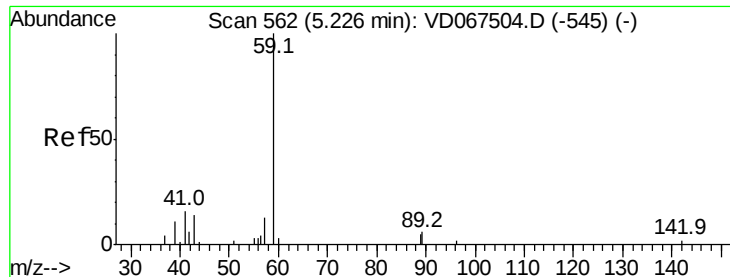


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



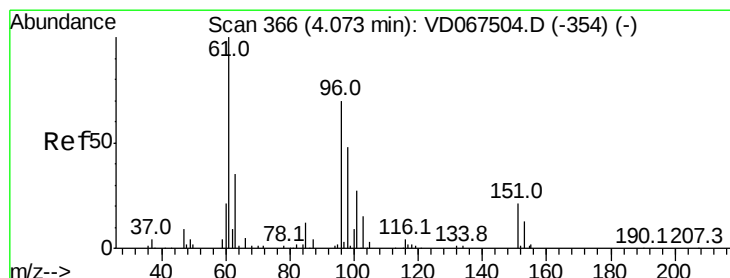
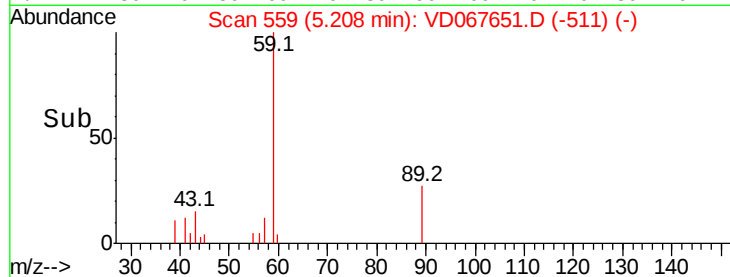
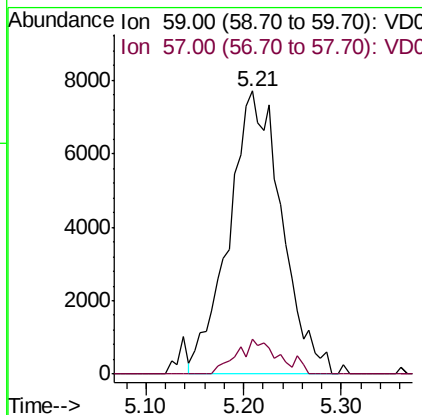
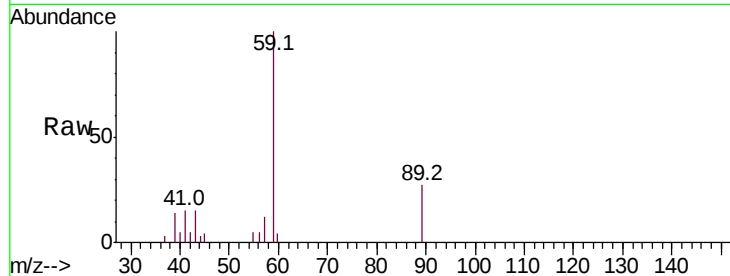


#11

Tert butyl alcohol
 Concen: 265.596 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

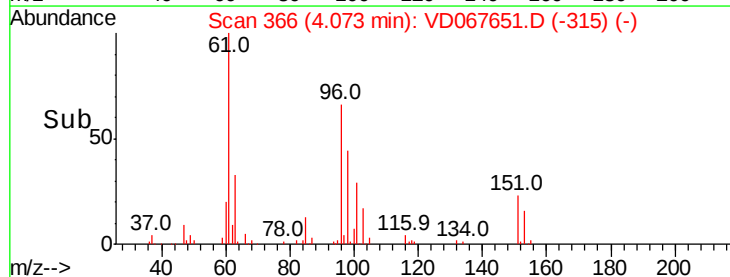
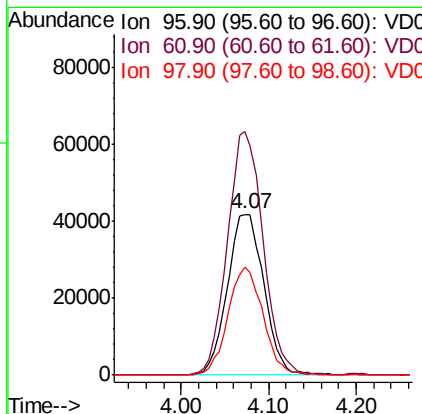
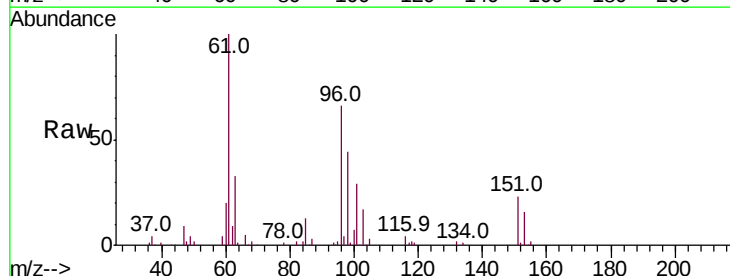
Tot Ion: 59 Resp: 29108
 Ion Ratio Lower Upper
 59 100
 57 8.9 5.9 8.9#

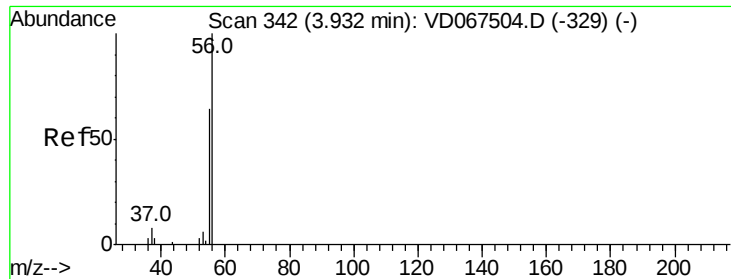


#12

1,1-Dichloroethene
 Concen: 48.754 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

Tgt Ion: 96 Resp: 118918
 Ion Ratio Lower Upper
 96 100
 61 151.2 114.5 171.7
 98 66.6 54.5 81.7





#13

Acrolein

Concen: 222.184 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

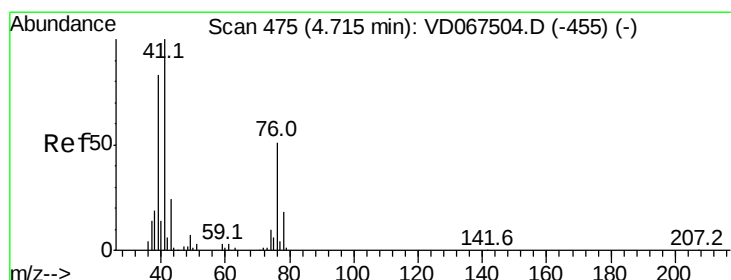
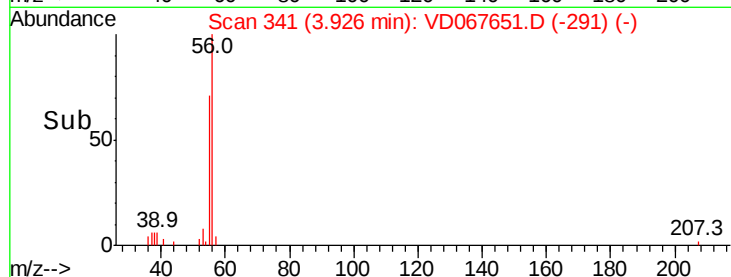
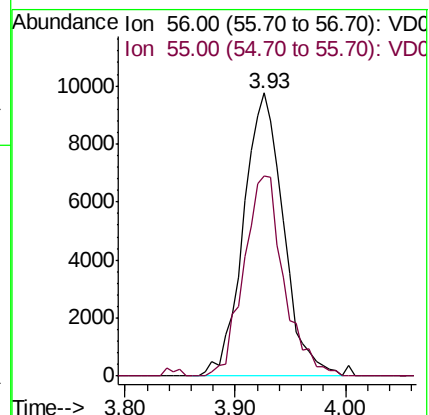
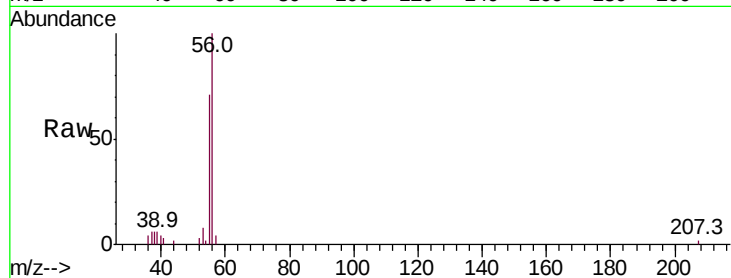
VSTDCCC050

Tot Ion: 56 Resp: 24796

Ion Ratio Lower Upper

56 100

55 70.7 55.8 83.8



#14

Allyl chloride

Concen: 47.085 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

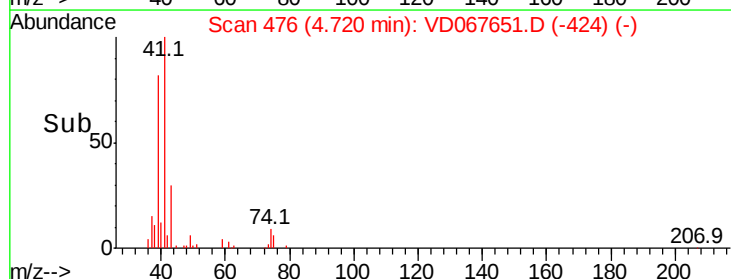
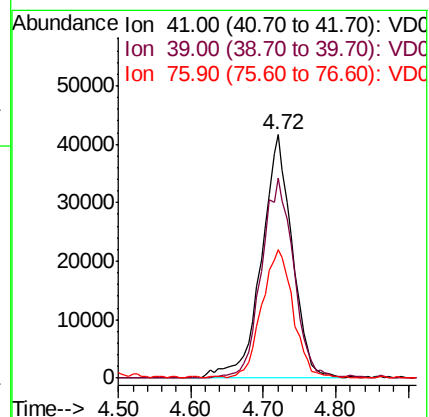
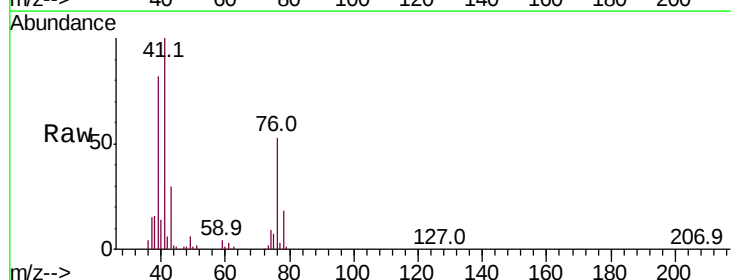
Tgt Ion: 41 Resp: 122915

Ion Ratio Lower Upper

41 100

39 85.8 67.4 101.0

76 54.2 42.2 63.2





#15

Acrylonitrile

Concen: 246.790 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

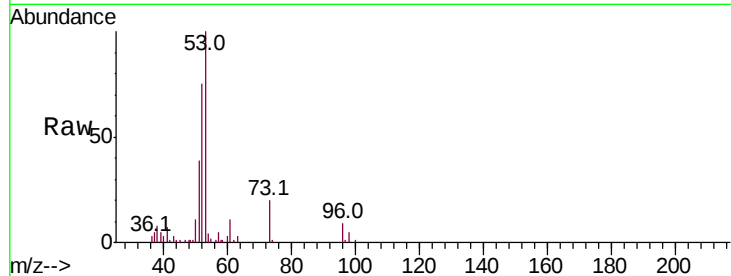
Tot Ion: 53 Resp: 96569

Ion Ratio Lower Upper

53 100

52 79.0 64.8 97.2

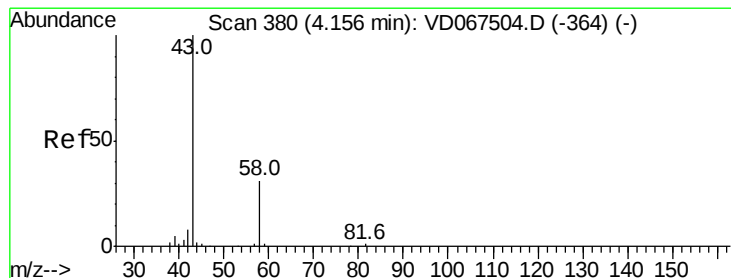
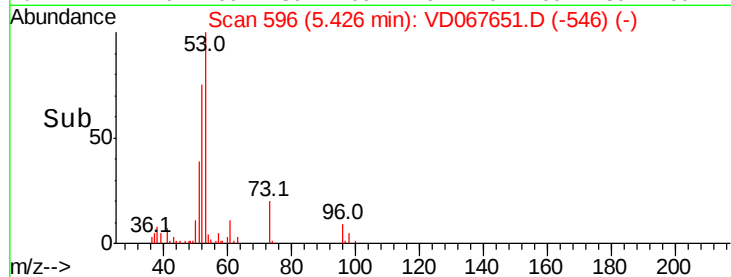
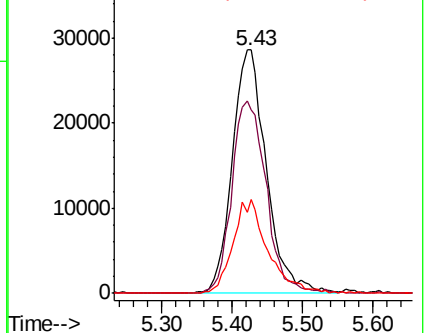
51 38.9 29.5 44.3



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: 271.464 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067651.D

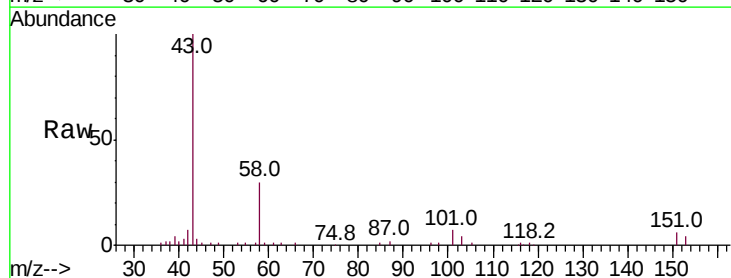
Acq: 17 Nov 2020 09:52

Tgt Ion: 43 Resp: 103804

Ion Ratio Lower Upper

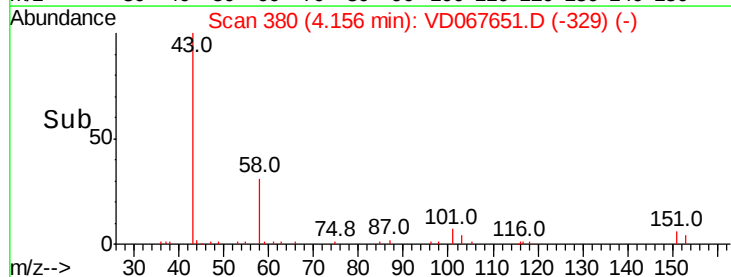
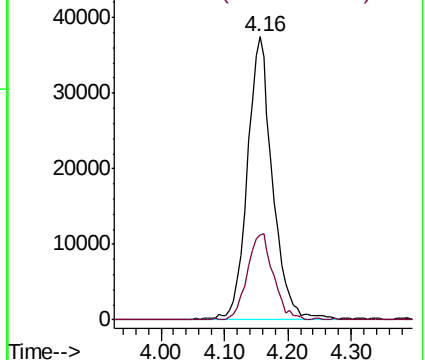
43 100

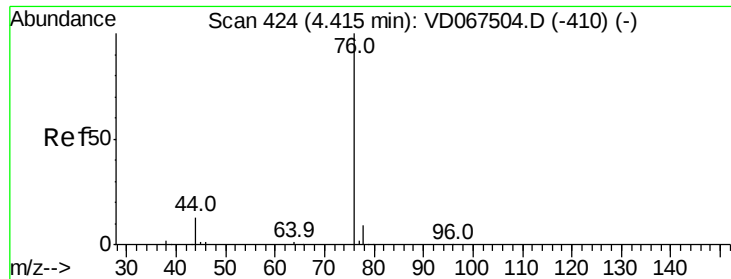
58 30.0 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

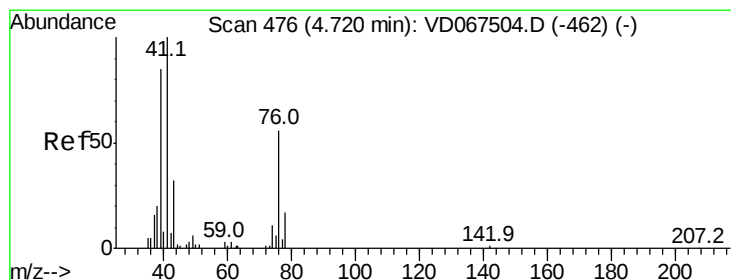
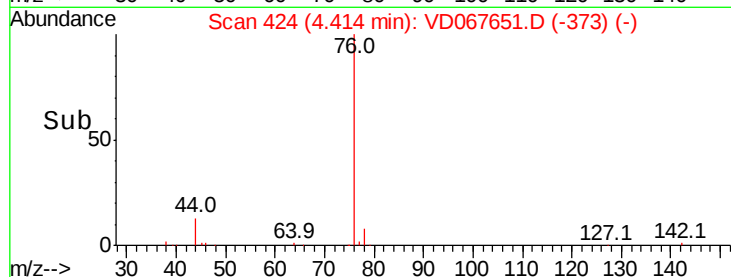
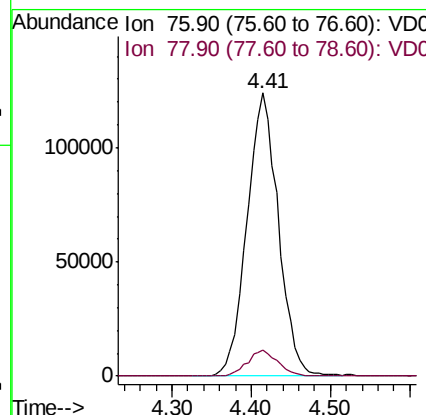
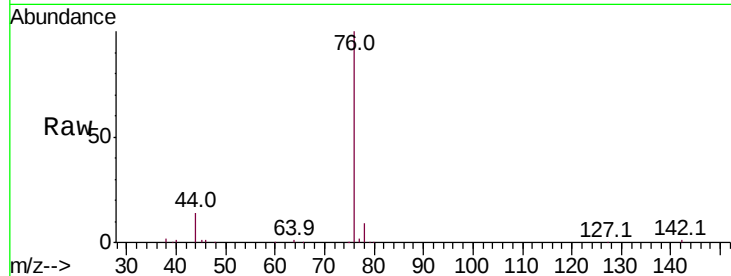




#17
Carbon Disulfide
Concen: 45.638 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

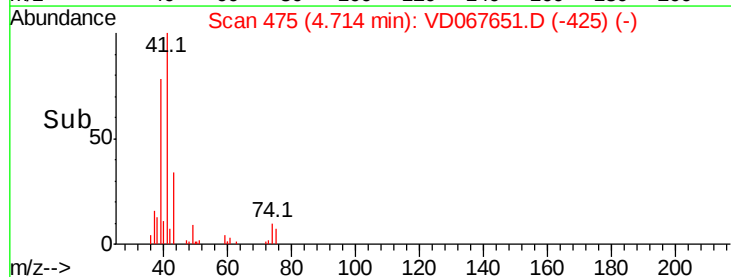
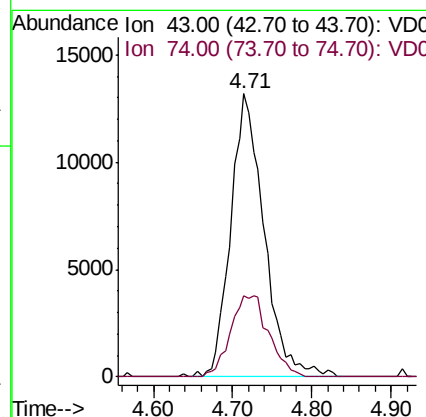
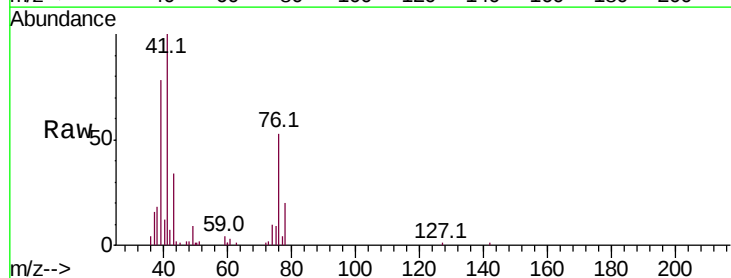
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

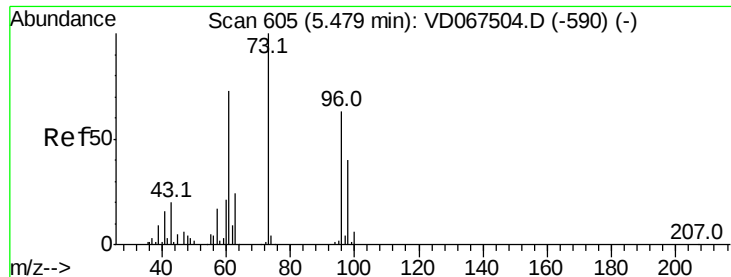
Tot Ion: 76 Resp: 341112
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 48.570 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 43 Resp: 38379
Ion Ratio Lower Upper
43 100
74 33.0 27.2 40.8





#19

Methyl tert-butyl Ether

Concen: 50.583 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

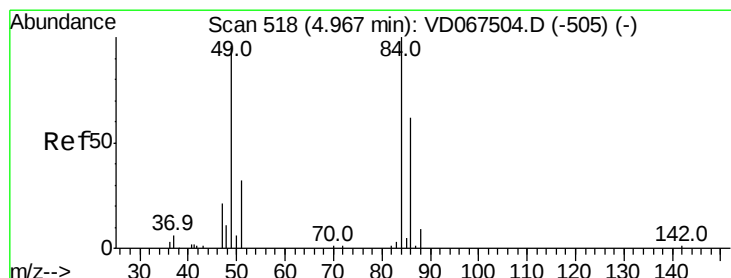
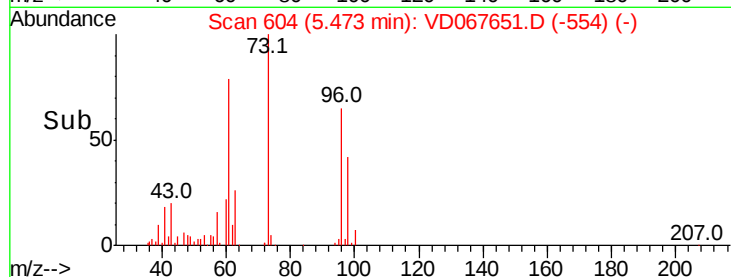
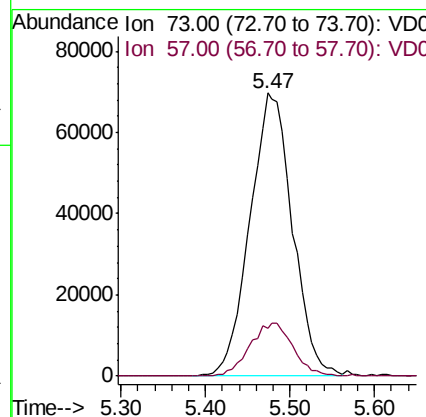
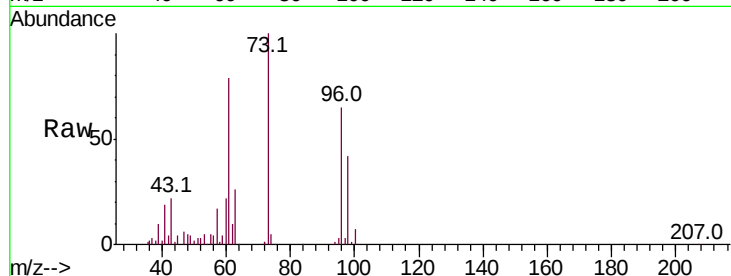
Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 243369

Ion	Ratio	Lower	Upper
73	100		
57	16.9	13.4	20.0



#20

Methylene Chloride

Concen: 48.235 ug/l

RT: 4.97 min Scan# 518

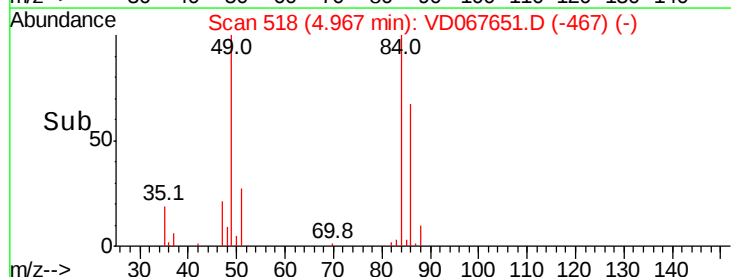
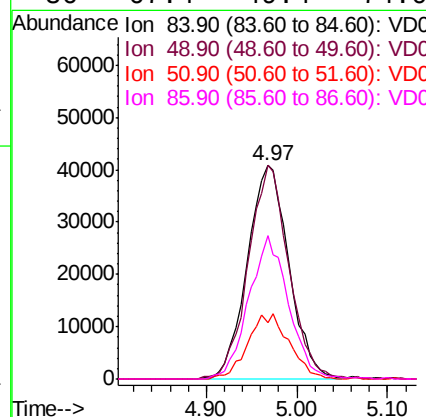
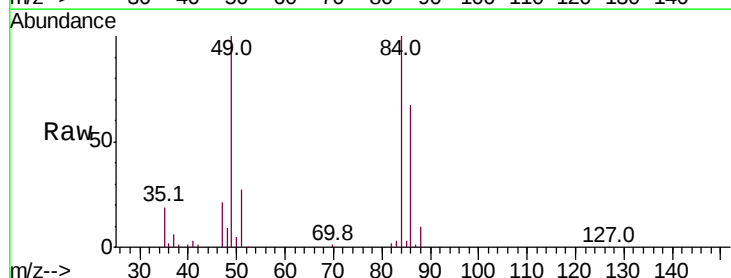
Delta R.T. -0.00 min

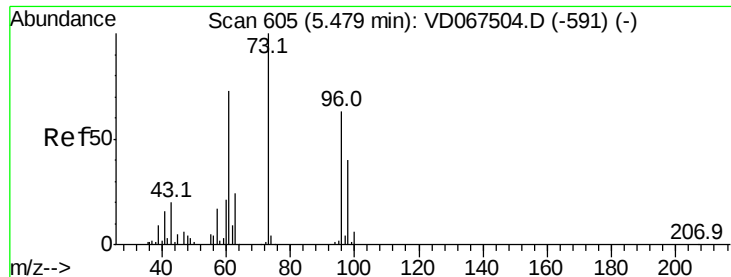
Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Tgt Ion: 84 Resp: 130289

Ion	Ratio	Lower	Upper
84	100		
49	100.0	77.0	115.4
51	26.6	25.4	38.2
86	67.4	49.4	74.0





#21

trans-1,2-Dichloroethene

Concen: 48.988 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

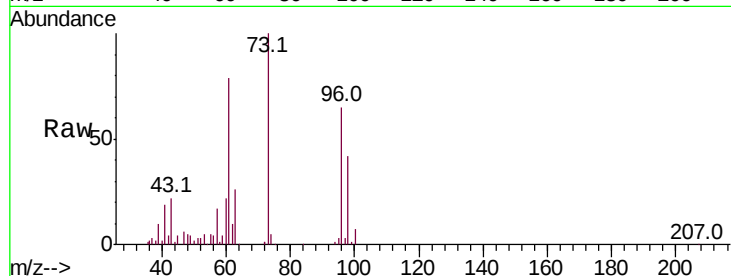
Tot Ion: 96 Resp: 139175

Ion Ratio Lower Upper

96 100

61 121.0 93.0 139.6

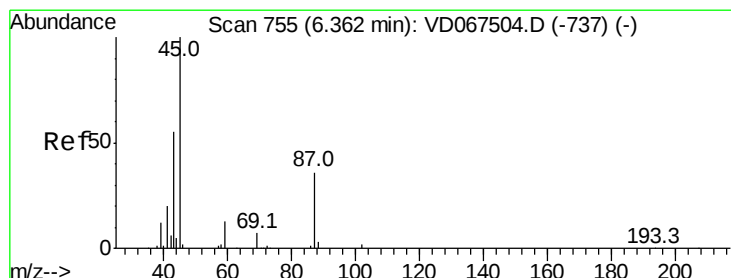
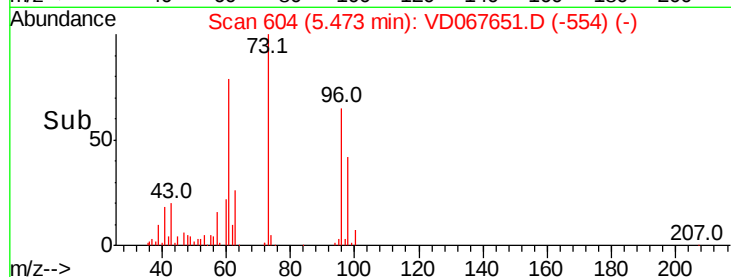
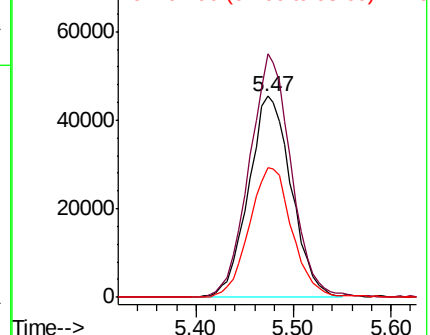
98 64.4 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.106 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Tgt Ion: 45 Resp: 259986

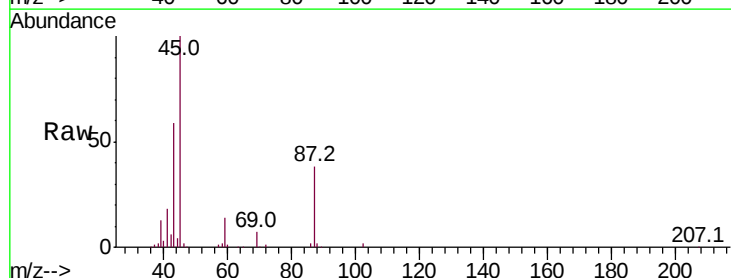
Ion Ratio Lower Upper

45 100

43 58.4 46.2 69.4

87 38.1 29.4 44.2

59 13.6 10.8 16.2

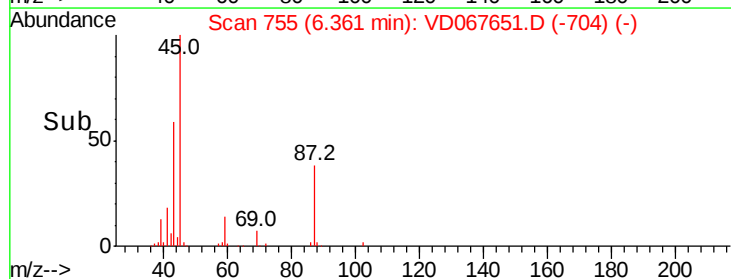
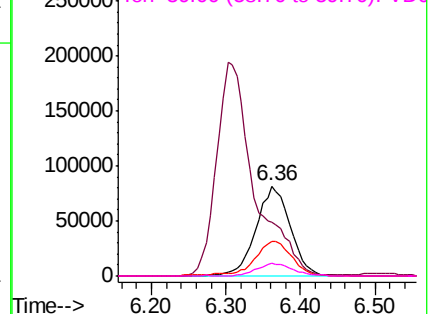


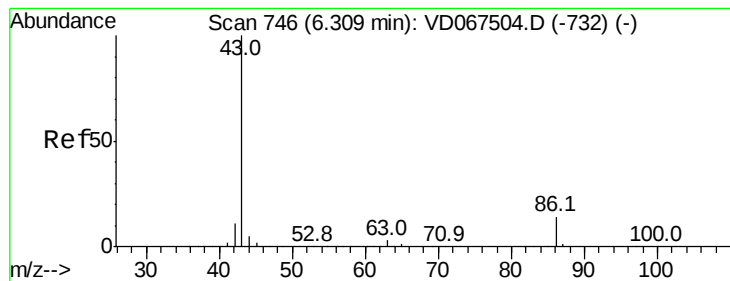
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 258.077 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

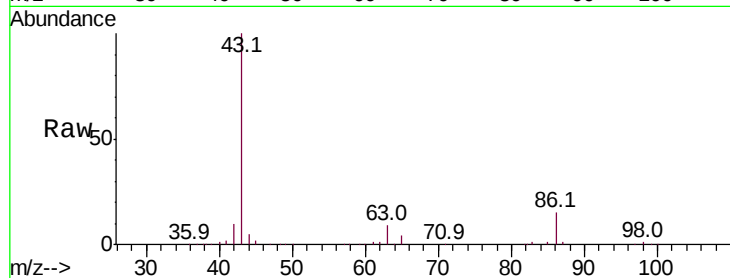
VSTDCCC050

Tot Ion: 43 Resp: 687227

Ion Ratio Lower Upper

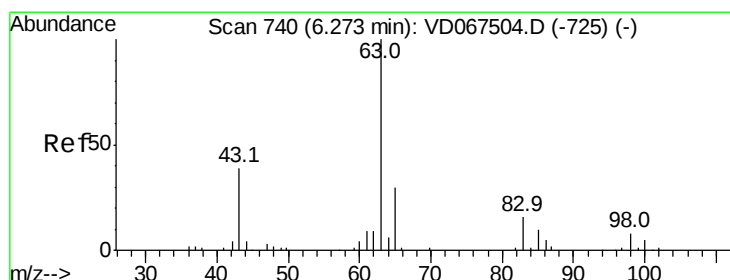
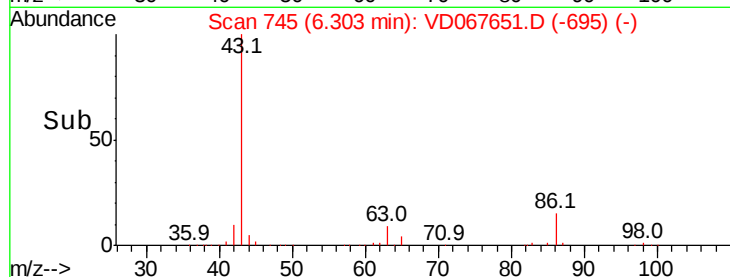
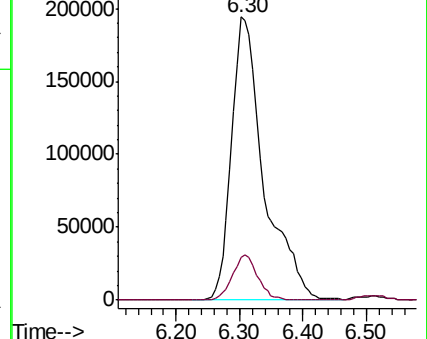
43 100

86 15.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.775 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

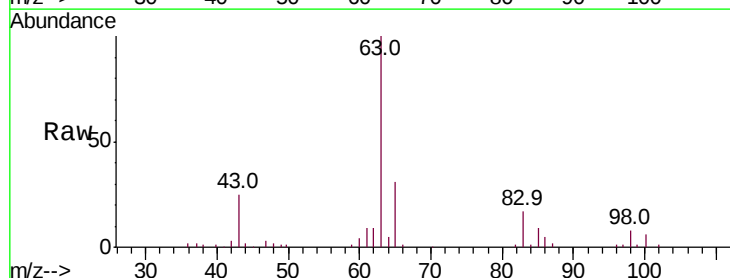
Tgt Ion: 63 Resp: 207151

Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.5

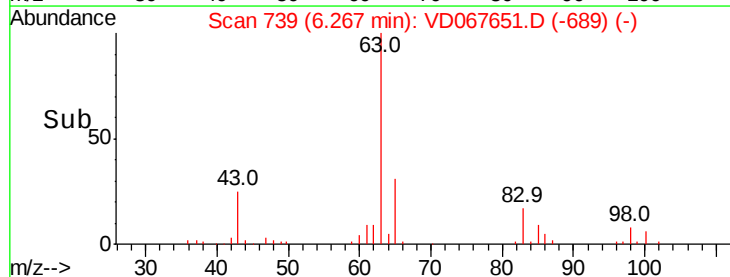
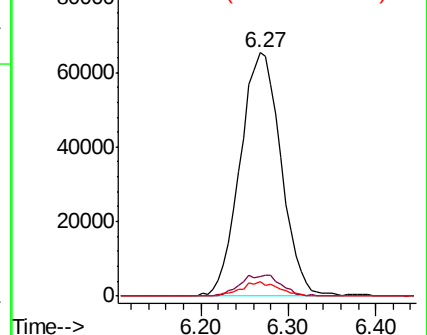
100 5.9 2.6 7.8

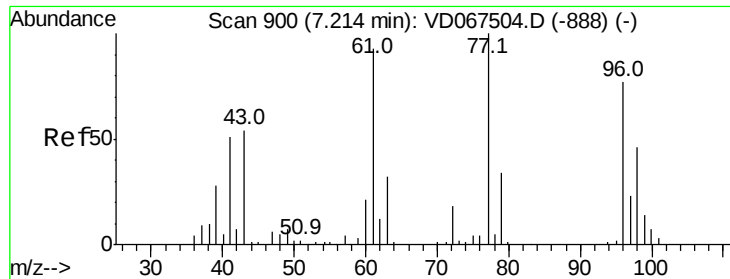


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 250.827 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

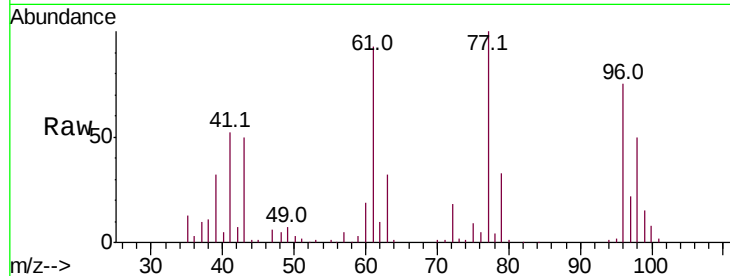
VSTDCCC050

Tot Ion: 43 Resp: 102485

Ion Ratio Lower Upper

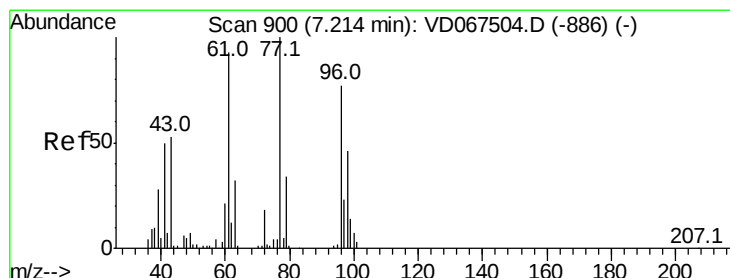
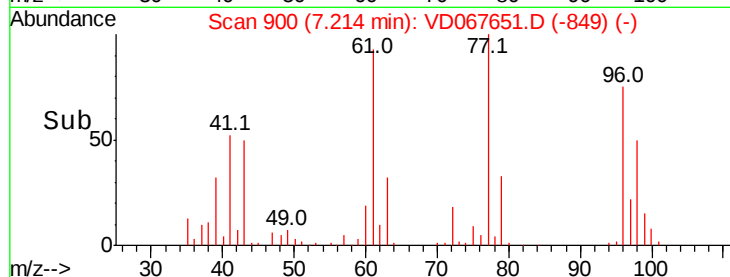
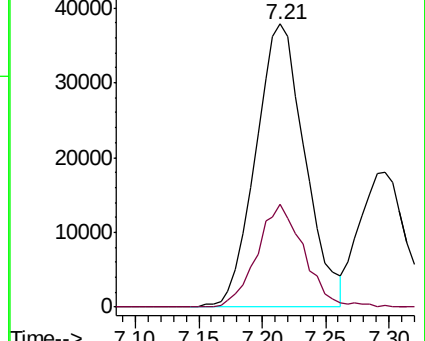
43 100

72 36.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.651 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067651.D

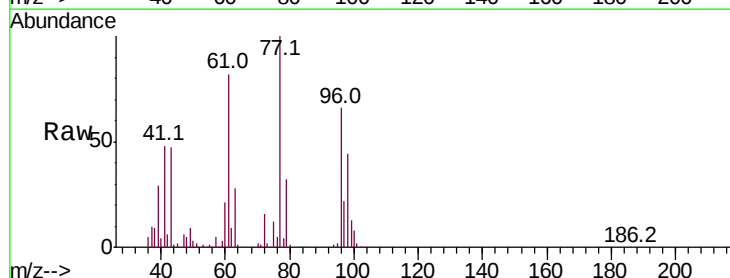
Acq: 17 Nov 2020 09:52

Tgt Ion: 77 Resp: 231258

Ion Ratio Lower Upper

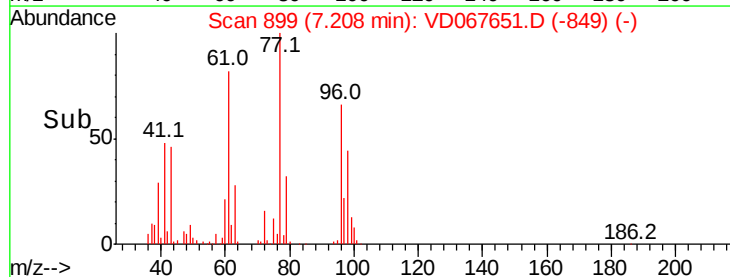
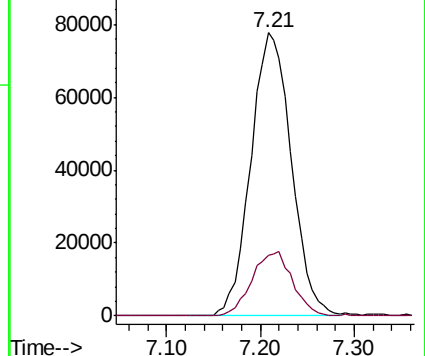
77 100

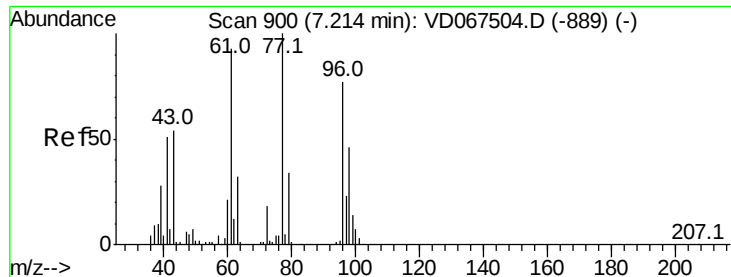
97 22.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 51.085 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

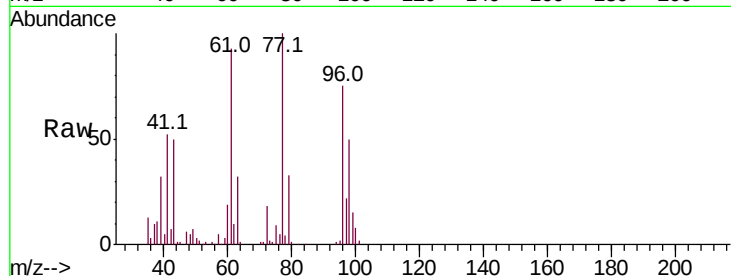
Tot Ion: 96 Resp: 150640

Ion Ratio Lower Upper

96 100

61 126.8 0.0 251.6

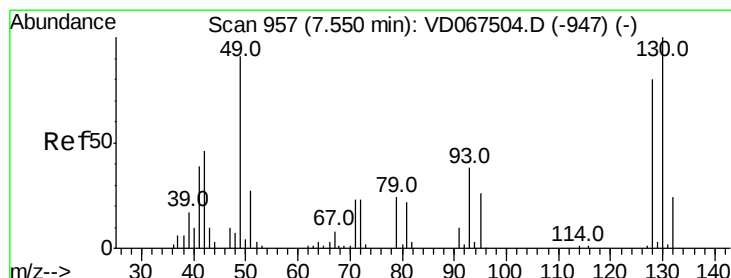
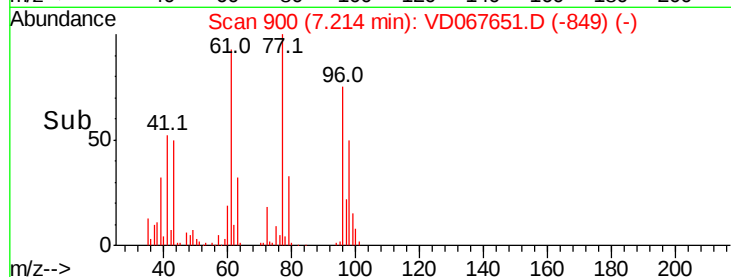
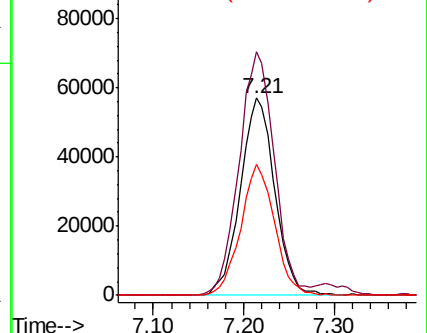
98 65.3 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 49.847 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

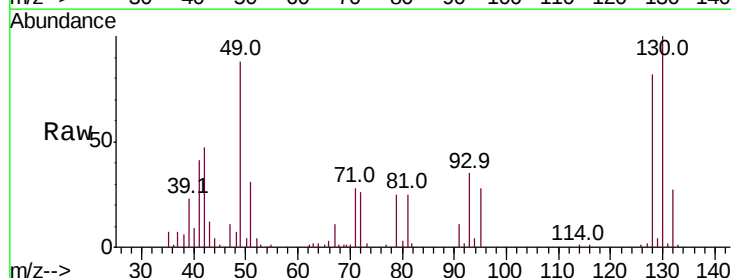
Tgt Ion: 49 Resp: 73791

Ion Ratio Lower Upper

49 100

129 3.3 0.0 6.4

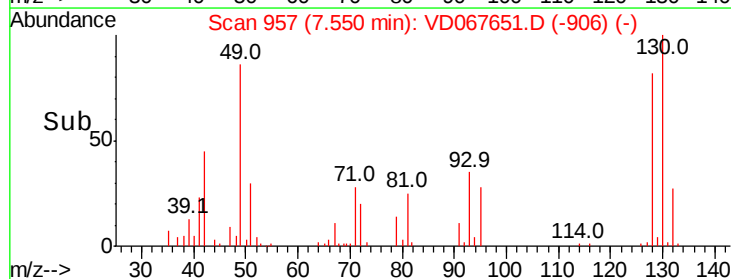
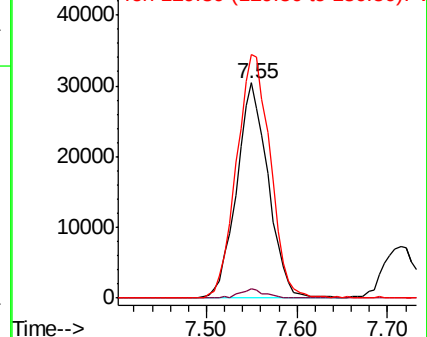
130 120.8 94.6 142.0

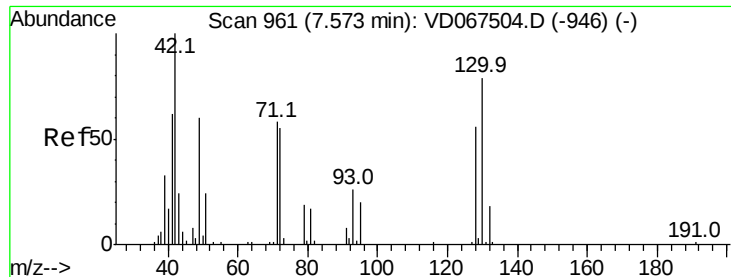


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

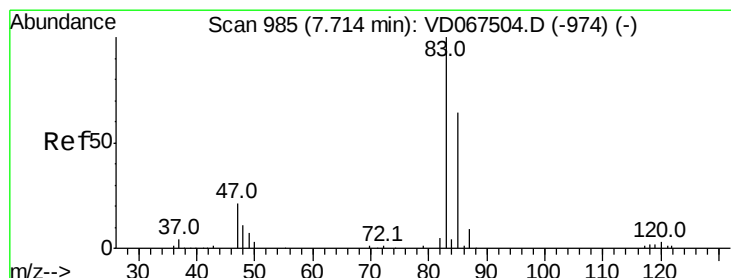
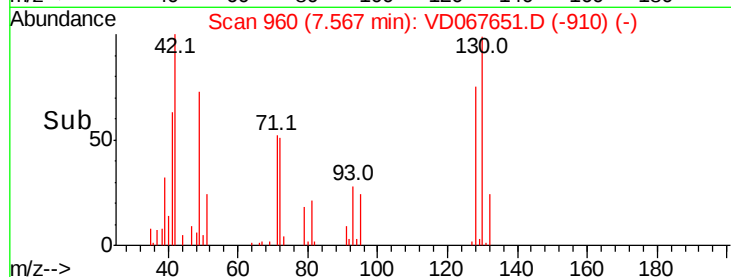
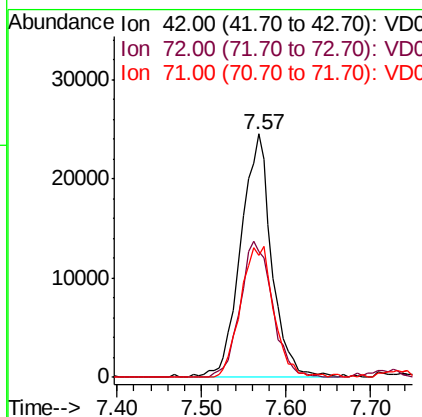
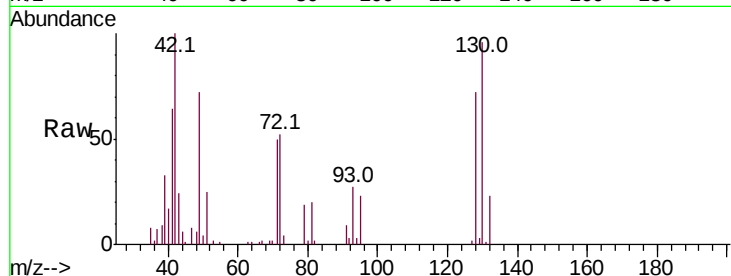




#29
Tetrahydrofuran
Concen: 254.852 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

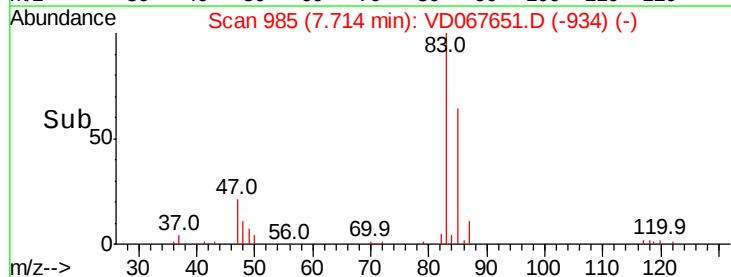
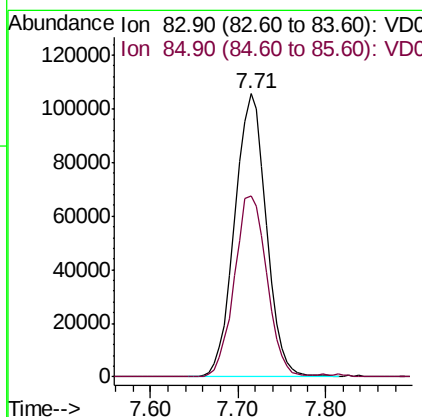
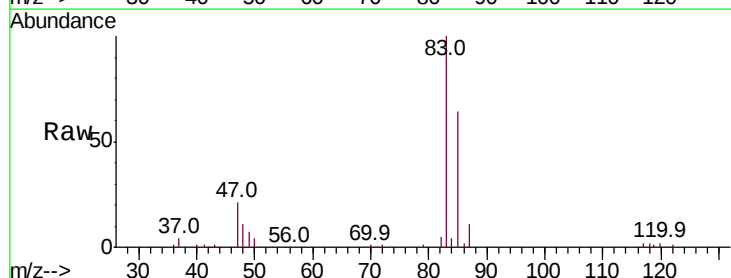
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

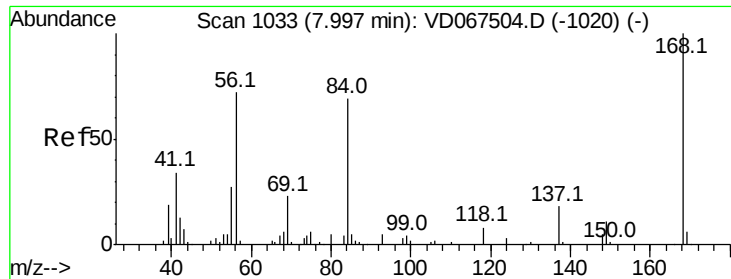
Tot Ion: 42 Resp: 62374
Ion Ratio Lower Upper
42 100
72 58.0 46.3 69.5
71 57.7 44.0 66.0



#30
Chloroform
Concen: 52.001 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 83 Resp: 258184
Ion Ratio Lower Upper
83 100
85 63.8 51.5 77.3

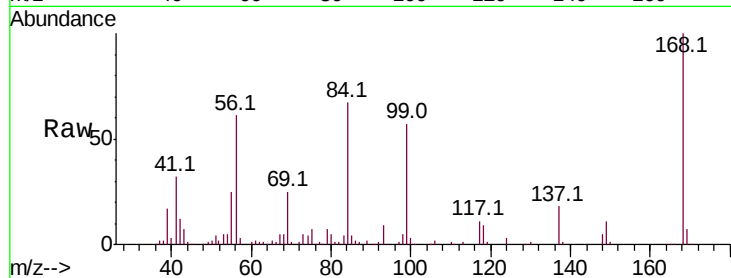




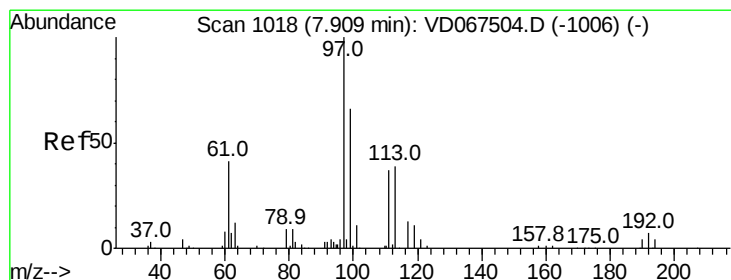
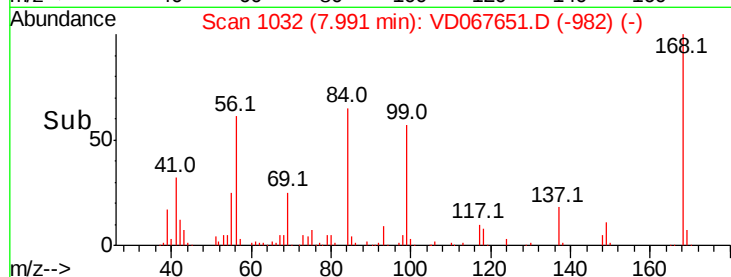
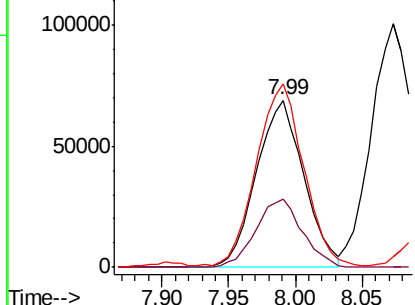
#31
Cyclohexane
Concen: 45.895 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 170092
Ion Ratio Lower Upper
56 100
69 40.9 25.9 38.9#
84 108.0 76.2 114.4

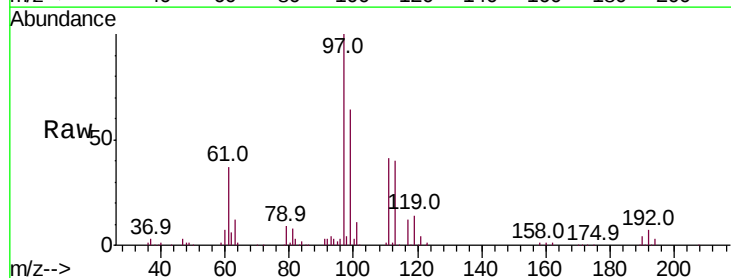


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

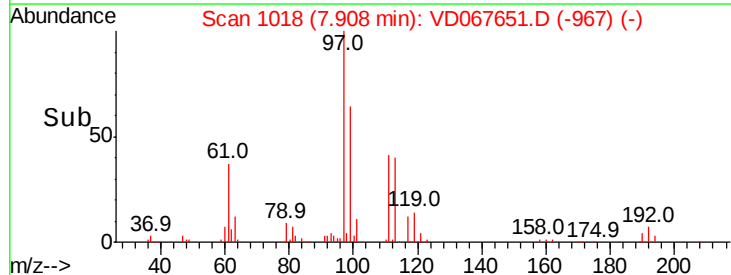
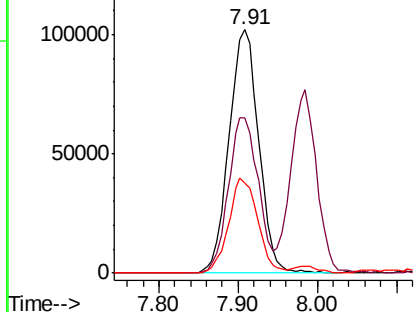


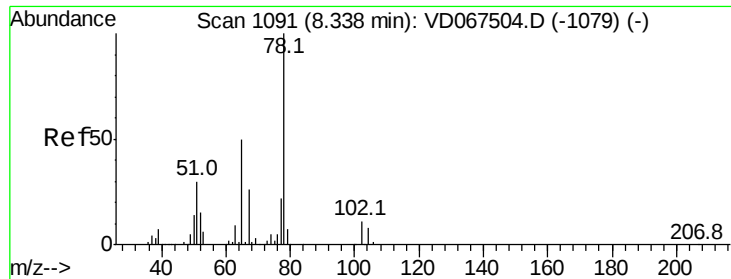
#32
1,1,1-Trichloroethane
Concen: 51.573 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 97 Resp: 264196
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 38.2 30.5 45.7



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: 46.246 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

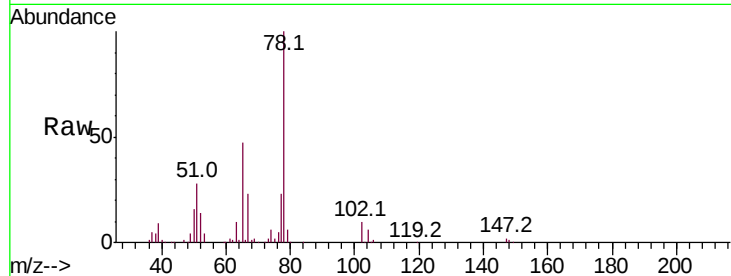
VSTDCCC050

Tot Ion: 65 Resp: 118171

Ion Ratio Lower Upper

65 100

67 48.6 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

50000

40000

30000

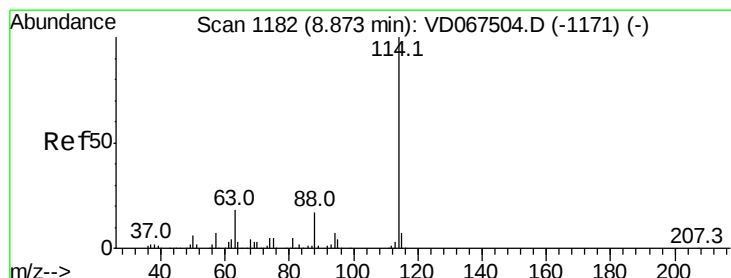
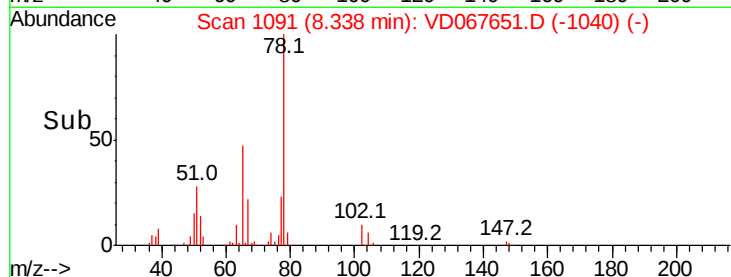
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

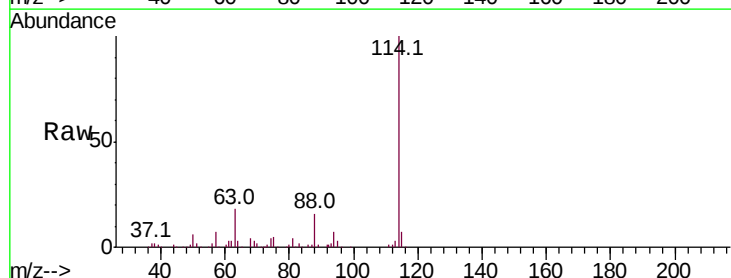
Tgt Ion: 114 Resp: 409989

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 15.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

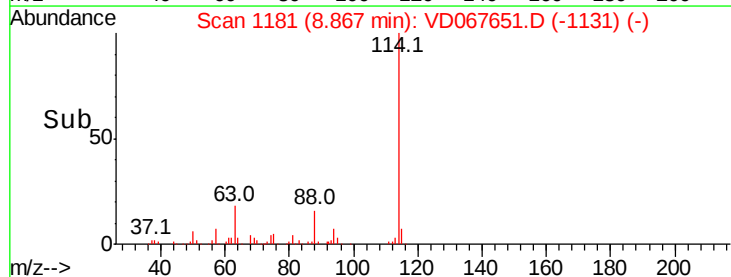
100000

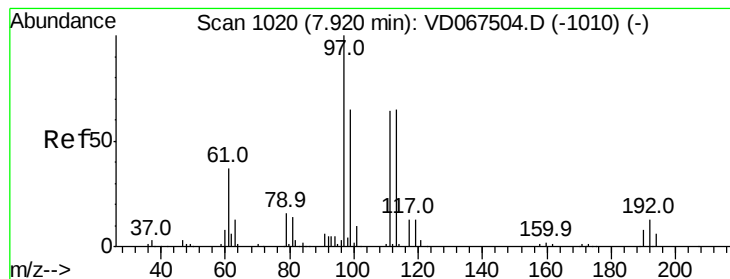
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 49.399 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

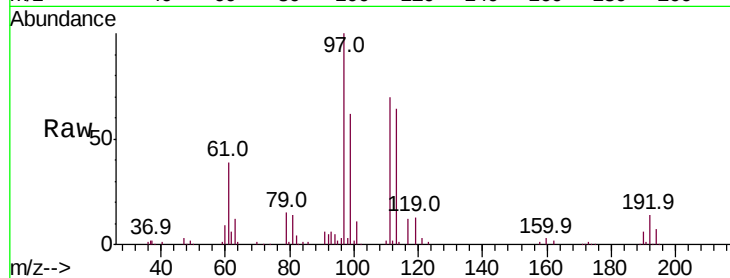
Tot Ion:113 Resp: 122023

Ion Ratio Lower Upper

113 100

111 101.0 80.0 120.0

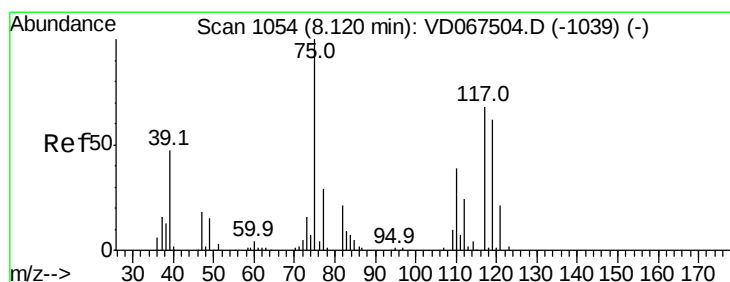
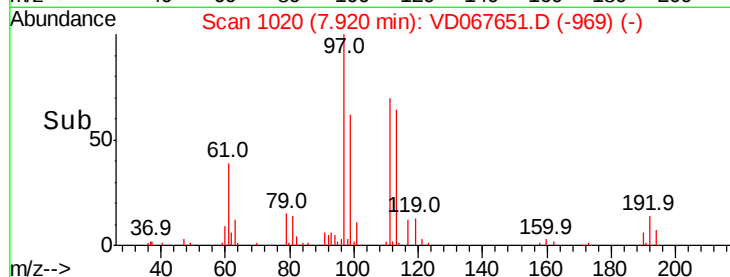
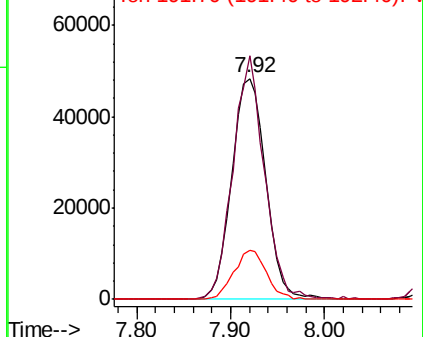
192 21.1 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.108 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

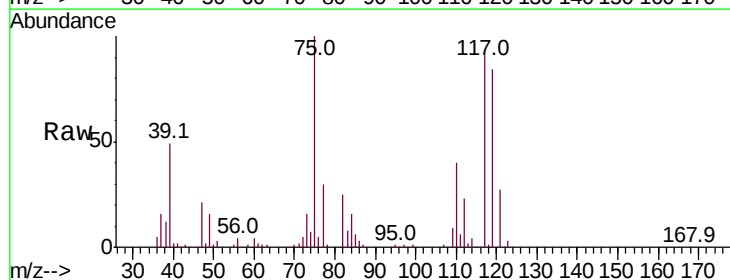
Tgt Ion: 75 Resp: 189890

Ion Ratio Lower Upper

75 100

110 40.6 19.9 59.7

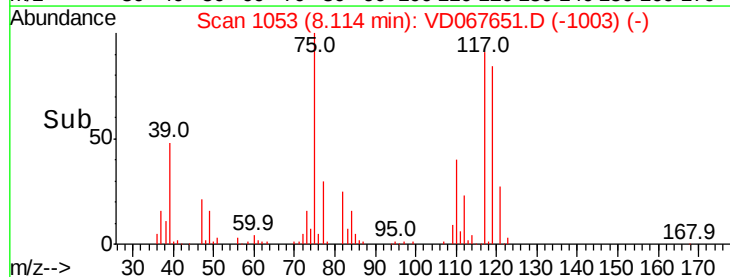
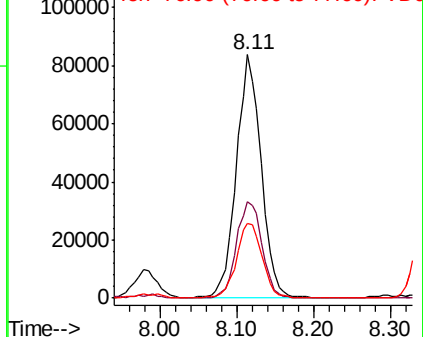
77 31.7 24.8 37.2

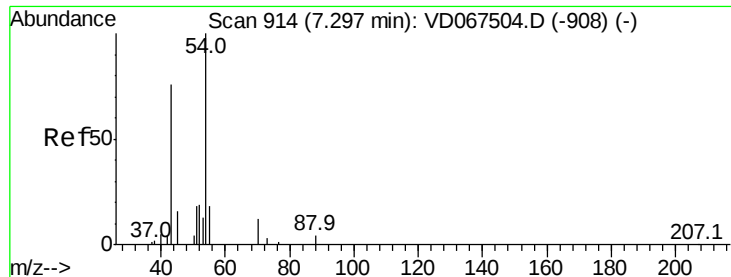


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

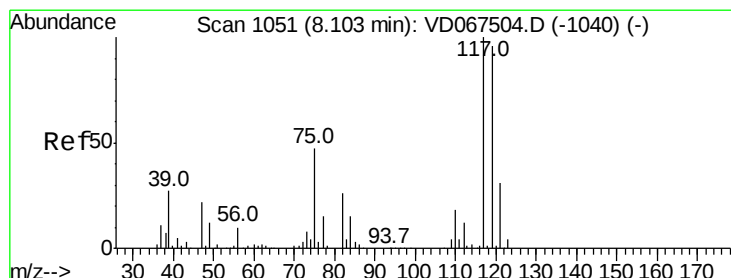
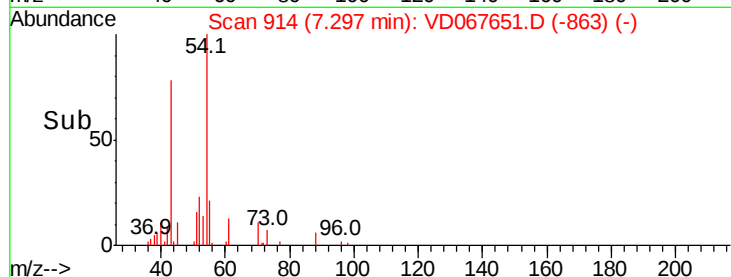
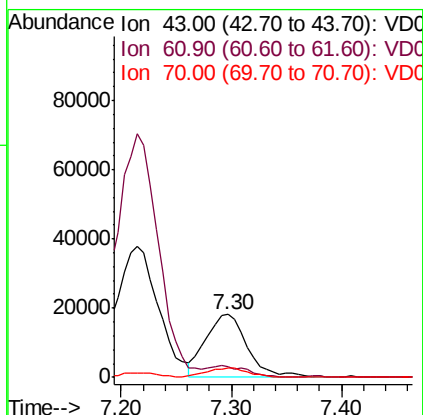
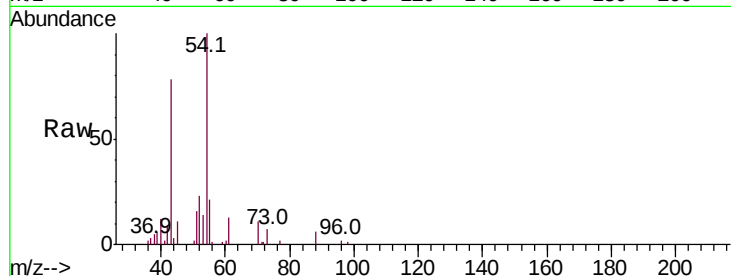




#37
Ethyl Acetate
Concen: 52.606 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

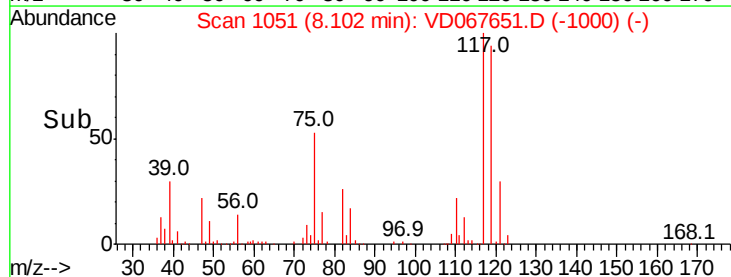
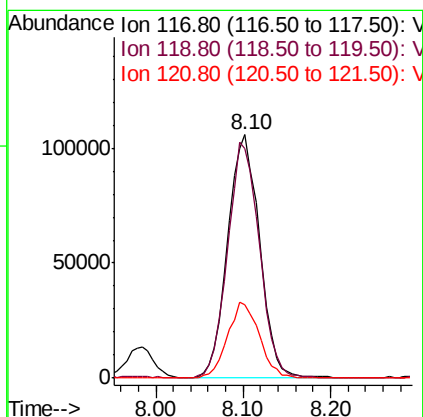
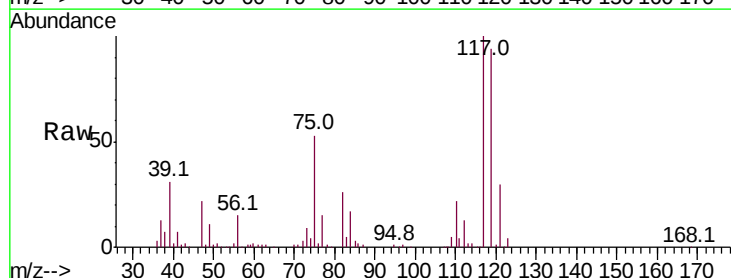
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

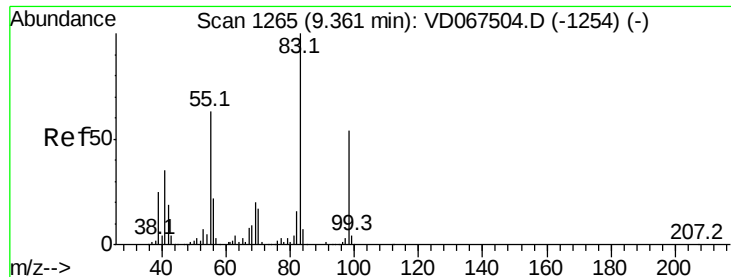
Tot Ion: 43 Resp: 47930
Ion Ratio Lower Upper
43 100
61 17.0 12.8 19.2
70 14.6 11.7 17.5



#38
Carbon Tetrachloride
Concen: 57.474 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 117 Resp: 262066
Ion Ratio Lower Upper
117 100
119 94.5 76.9 115.3
121 30.3 24.5 36.7

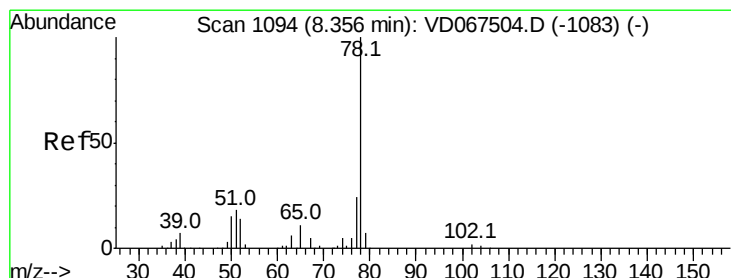
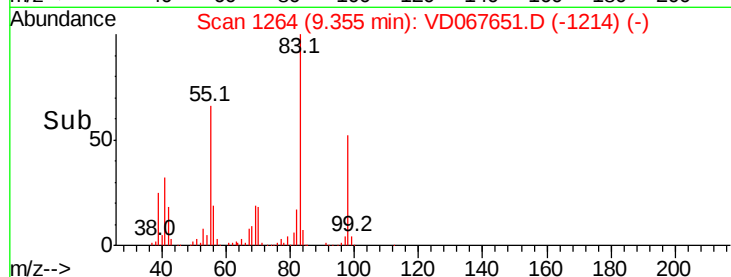
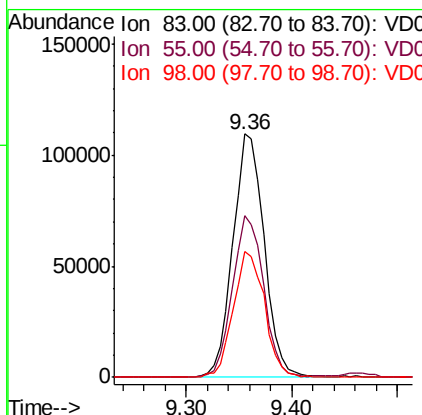
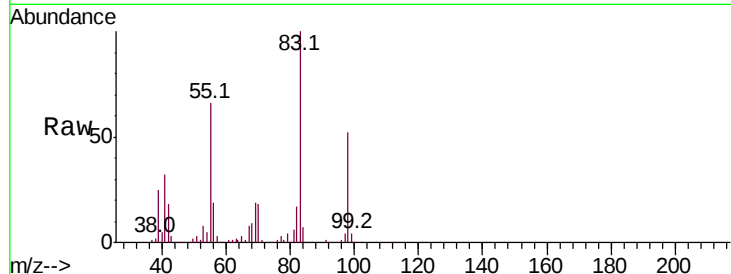




#39
Methvlcvclohexane
Concen: 54.470 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

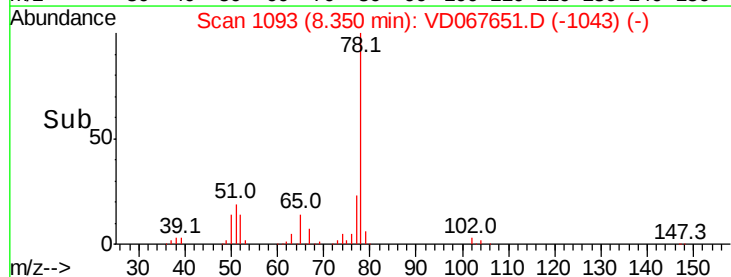
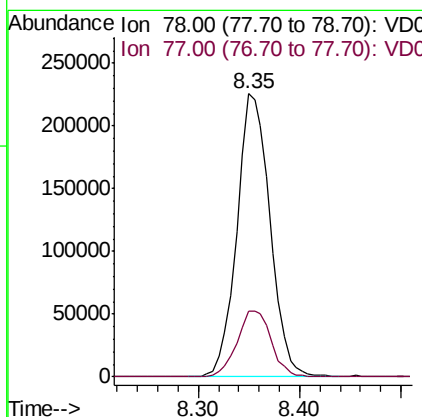
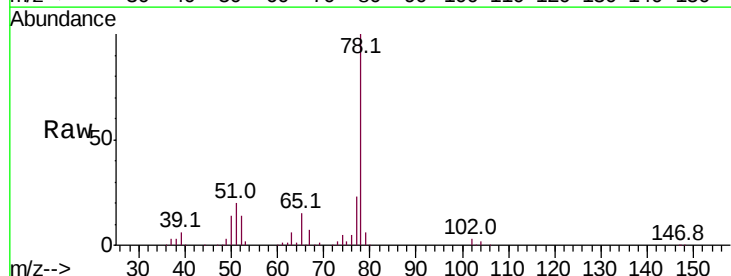
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

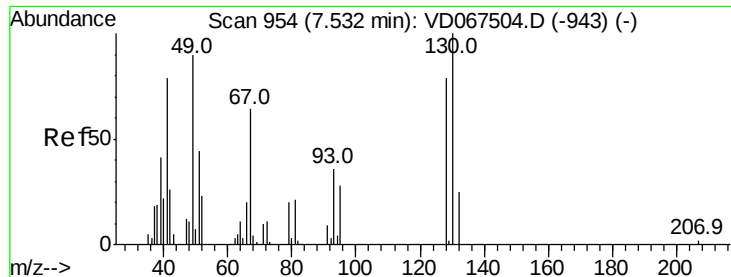
Tot Ion	83	Resp	224990
Ion Ratio	Lower	Upper	
83	100		
55	66.2	50.5	75.7
98	51.7	43.4	65.0



#40
Benzene
Concen: 53.734 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion	78	Resp	510809
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.1	28.7





#41

Methacrylonitrile

Concen: 124.209 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 67646

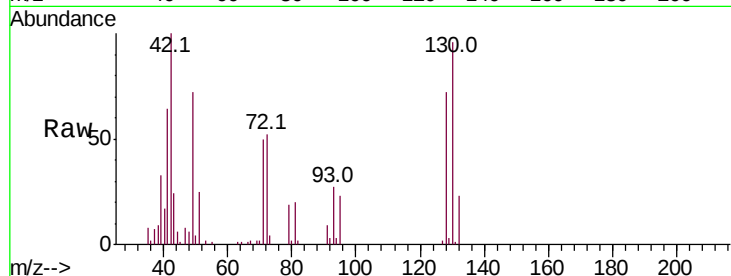
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

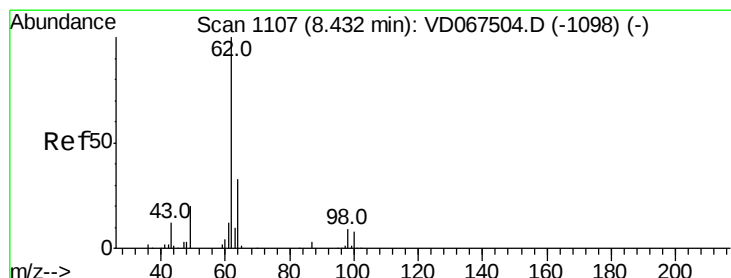
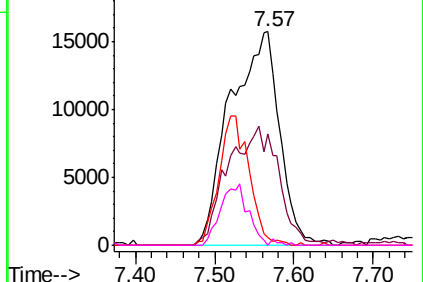
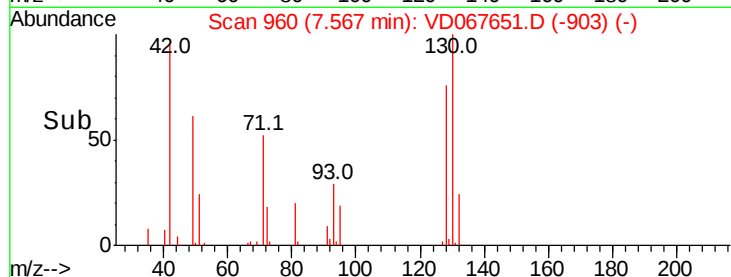


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.802 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067651.D

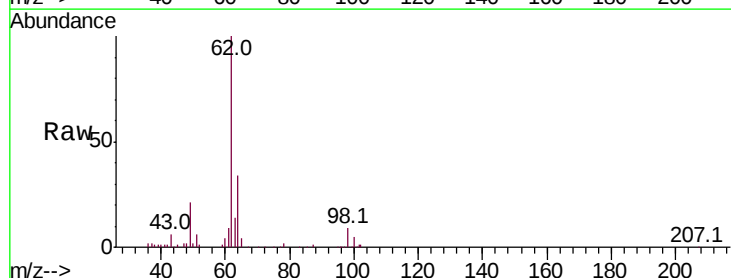
Acq: 17 Nov 2020 09:52

Tgt Ion: 62 Resp: 163896

Ion Ratio Lower Upper

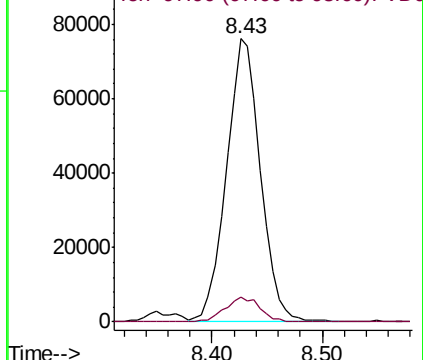
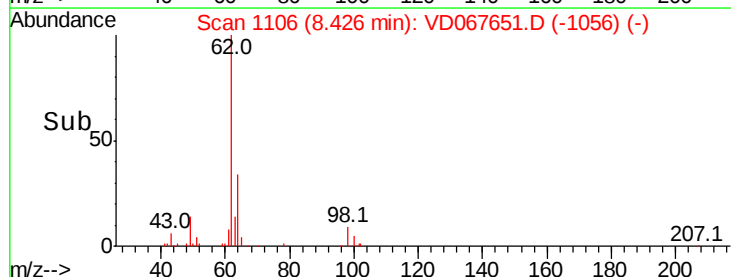
62 100

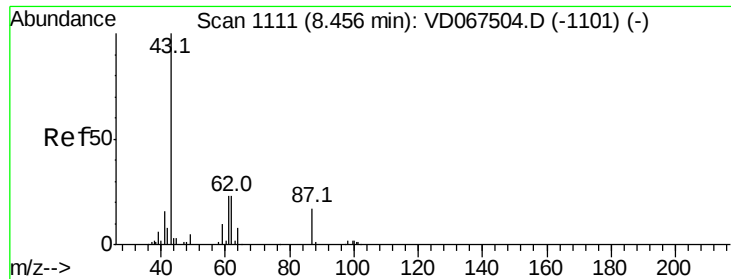
98 8.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.955 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

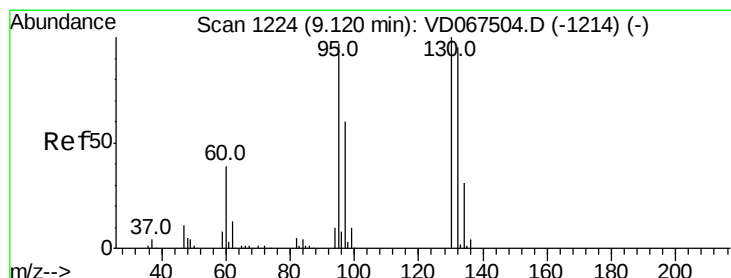
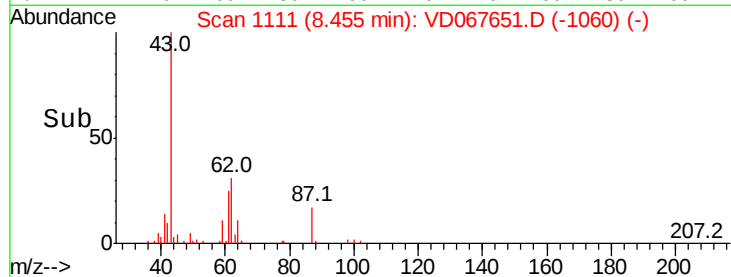
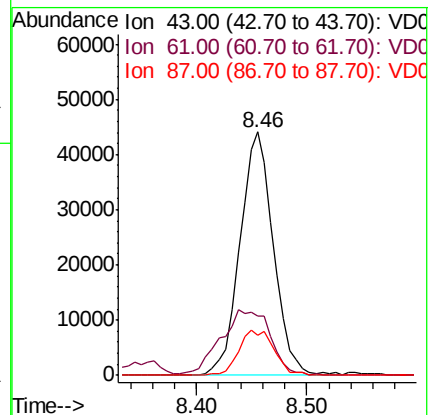
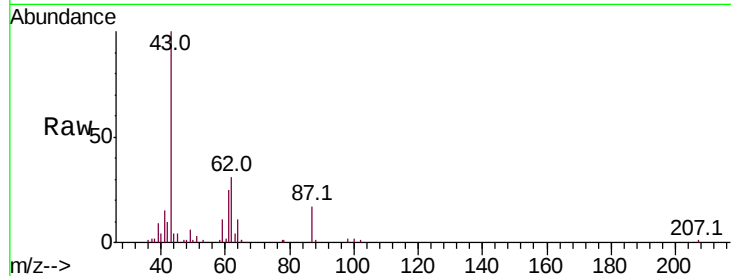
Tot Ion: 43 Resp: 93618

Ion Ratio Lower Upper

43 100

61 40.0 30.5 45.7

87 19.7 14.7 22.1



#44

Trichloroethene

Concen: 53.006 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067651.D

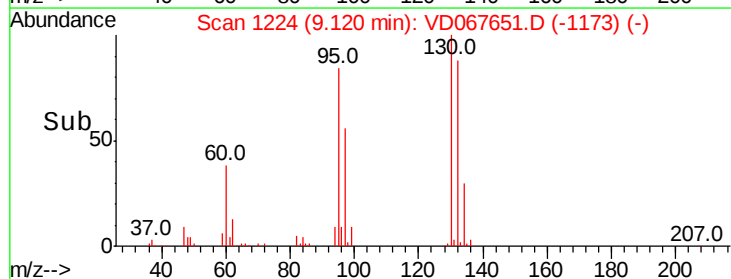
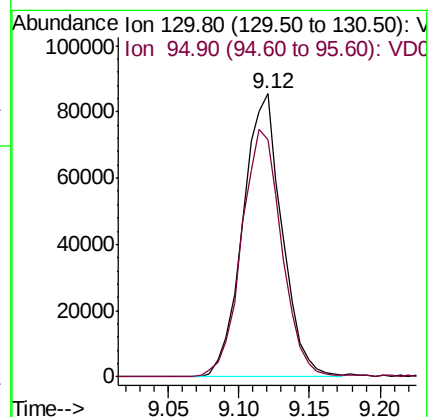
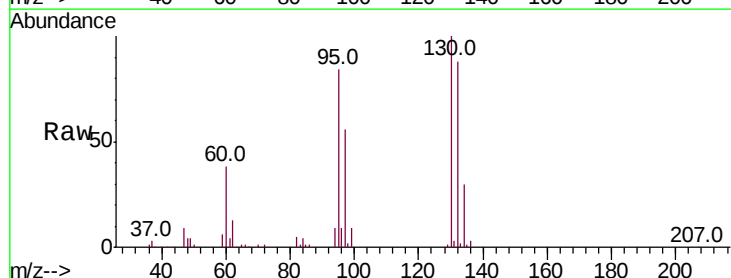
Acq: 17 Nov 2020 09:52

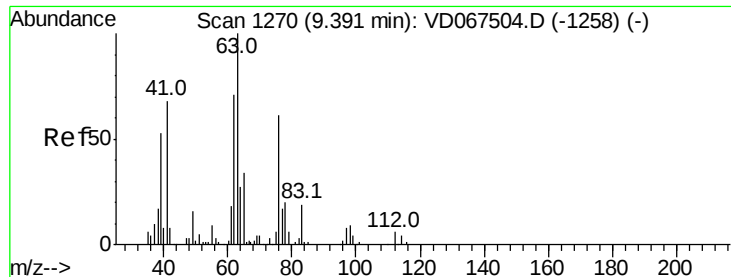
Tgt Ion:130 Resp: 165683

Ion Ratio Lower Upper

130 100

95 83.4 0.0 194.4

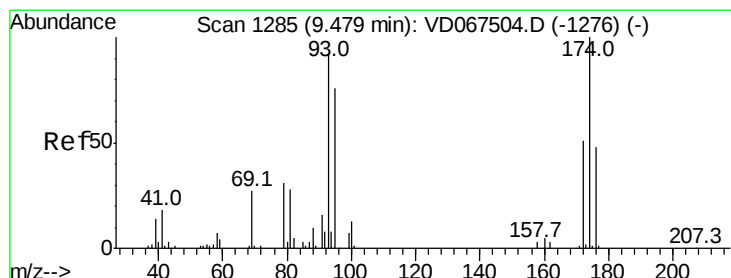
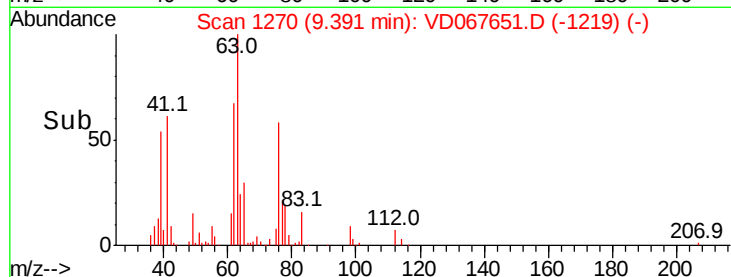
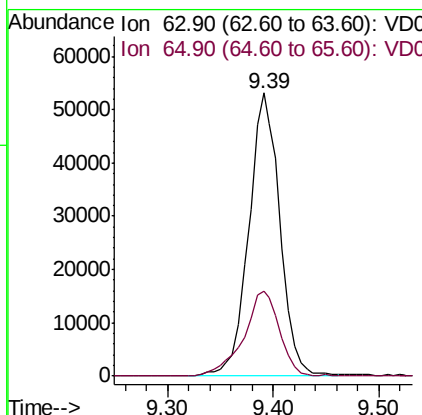
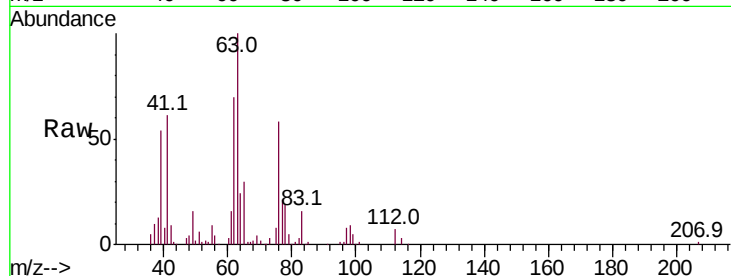




#45
 1,2-Dichloropropane
 Concen: 53.005 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

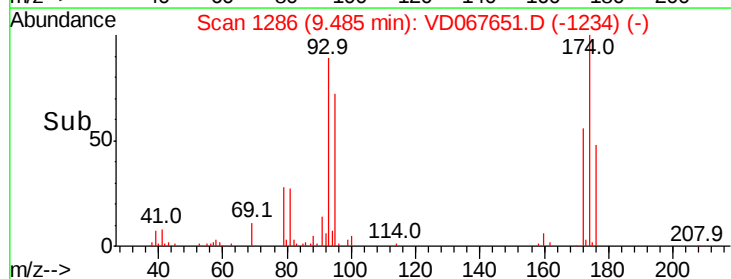
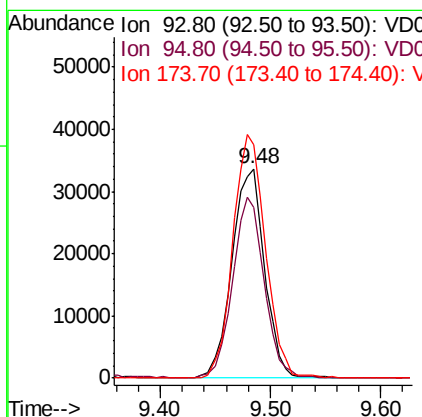
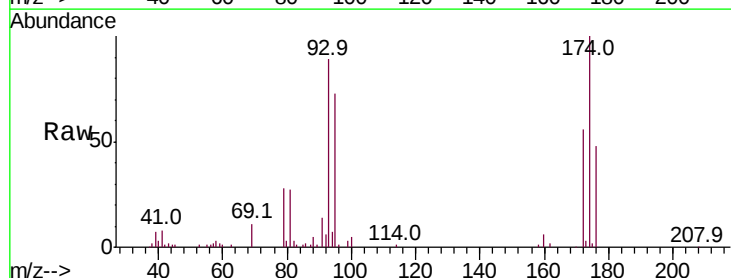
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

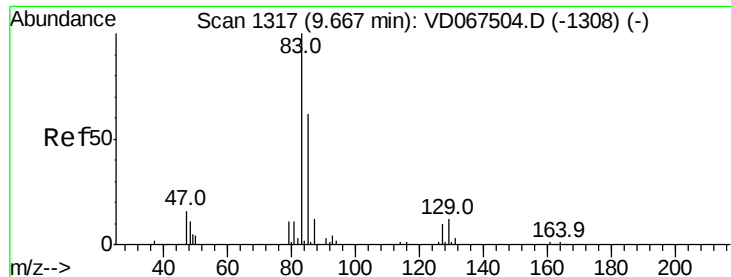
Tot Ion: 63 Resp: 108942
 Ion Ratio Lower Upper
 63 100
 65 30.2 26.9 40.3



#46
 Dibromomethane
 Concen: 53.619 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

Tgt Ion: 93 Resp: 70071
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.4 99.6
 174 116.0 88.2 132.4





#47

Bromodichloromethane

Concen: 56.177 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

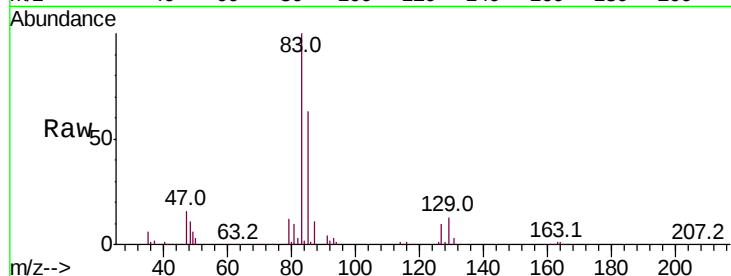
Tot Ion: 83 Resp: 199537

Ion Ratio Lower Upper

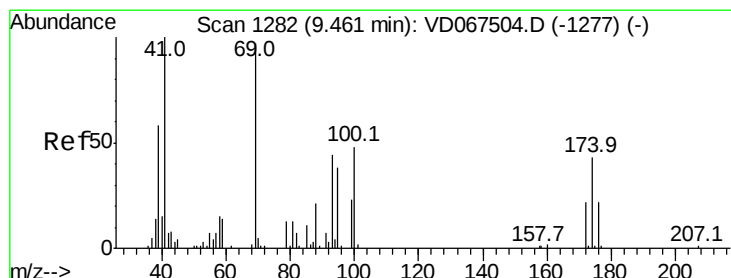
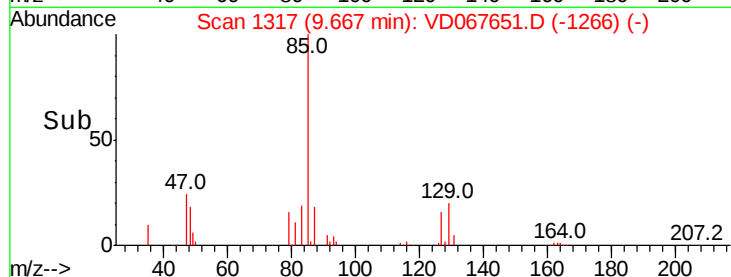
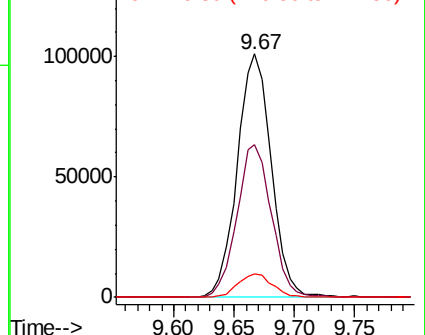
83 100

85 62.5 49.4 74.2

127 9.8 7.7 11.5



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: 55.087 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

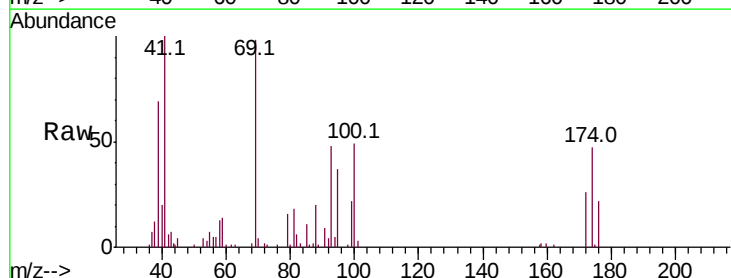
Tgt Ion: 41 Resp: 51251

Ion Ratio Lower Upper

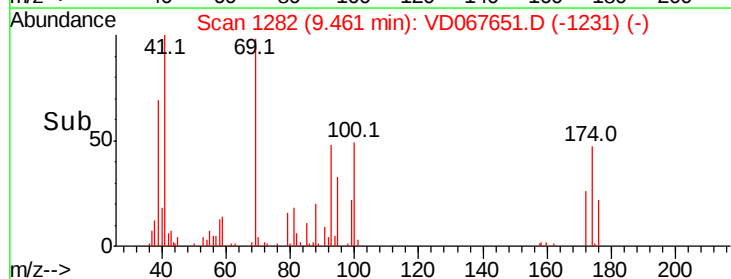
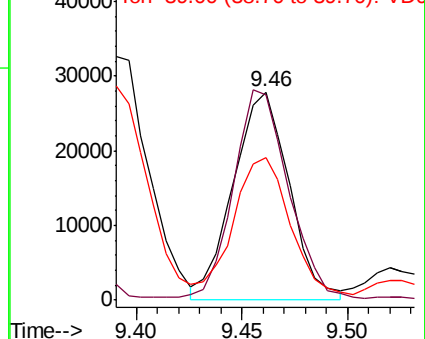
41 100

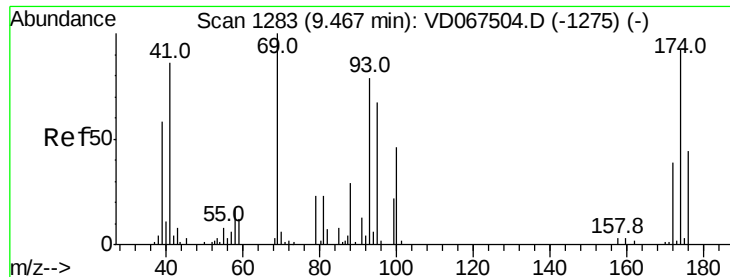
69 97.9 80.6 121.0

39 64.8 50.2 75.4



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: 1010.665 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

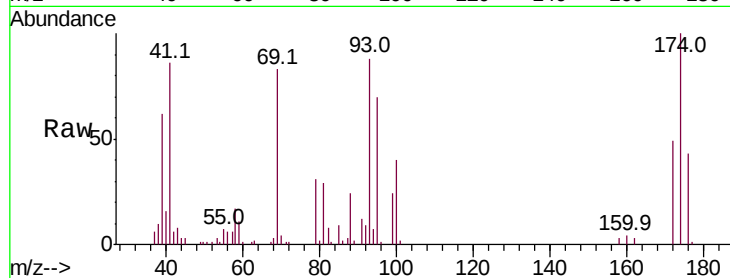
Tot Ion: 88 Resp: 13408

Ion Ratio Lower Upper

88 100

43 33.0 23.6 35.4

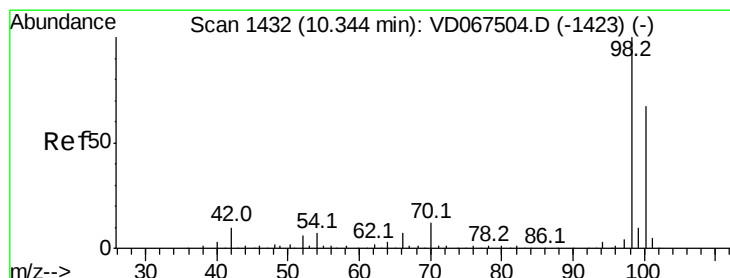
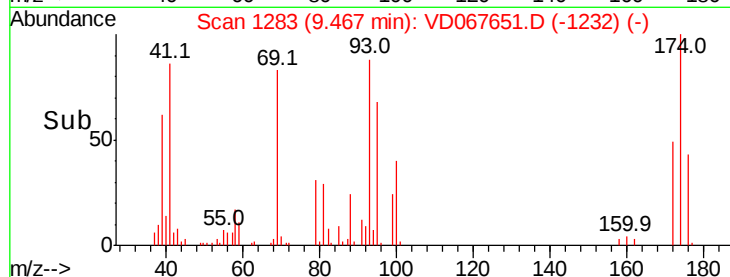
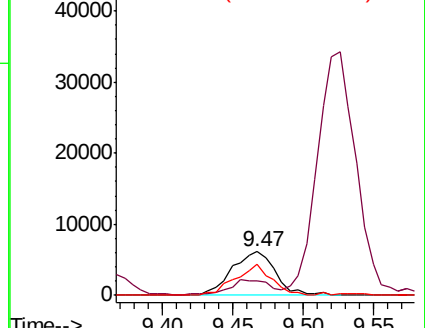
58 58.9 44.7 67.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.870 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067651.D

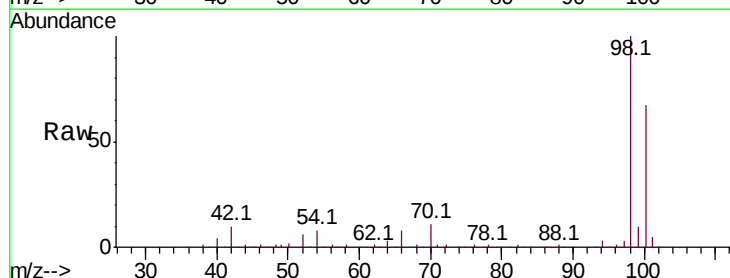
Acq: 17 Nov 2020 09:52

Tgt Ion: 98 Resp: 424228

Ion Ratio Lower Upper

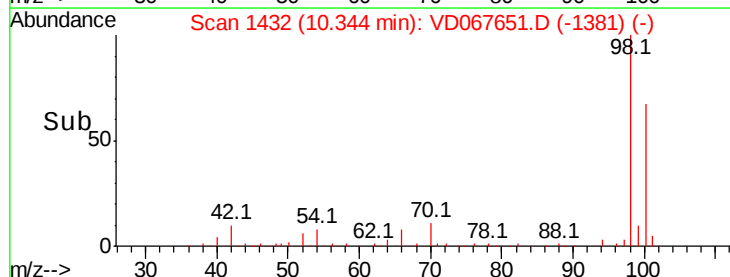
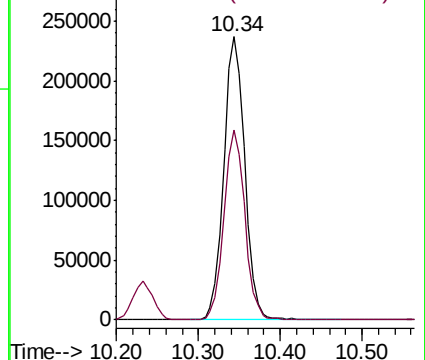
98 100

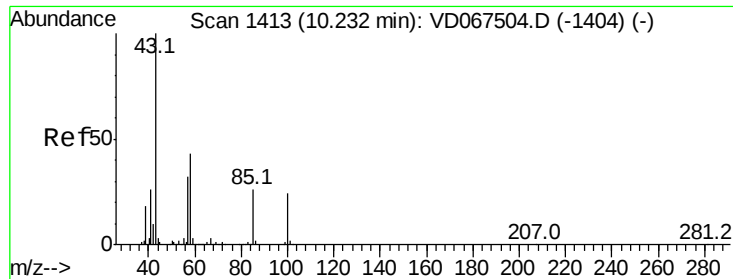
100 67.0 53.0 79.6



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: 275.673 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

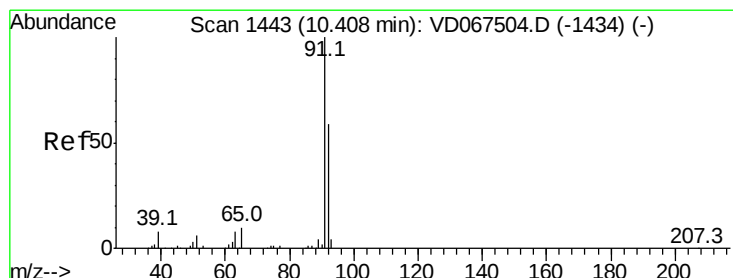
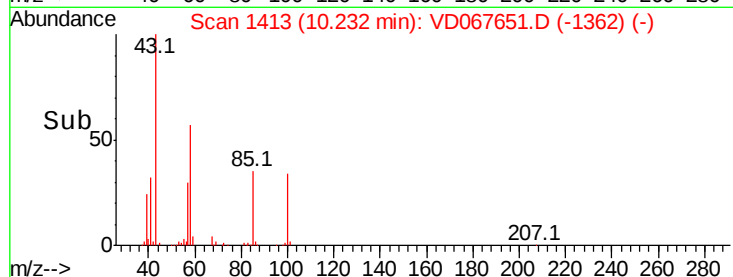
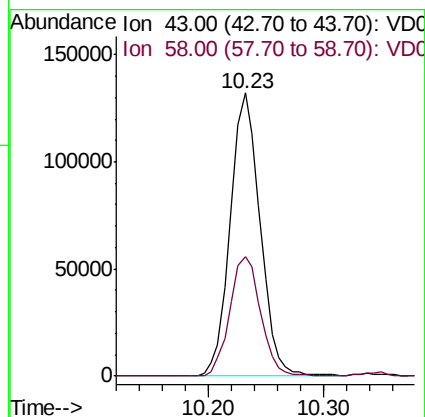
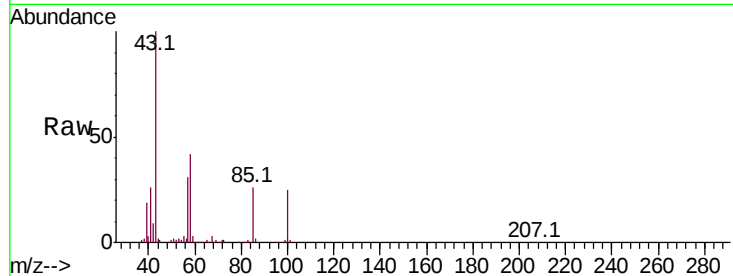
VSTDCCC050

Tot Ion: 43 Resp: 237566

Ion Ratio Lower Upper

43 100

58 43.8 35.6 53.4



#52

Toluene

Concen: 56.217 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067651.D

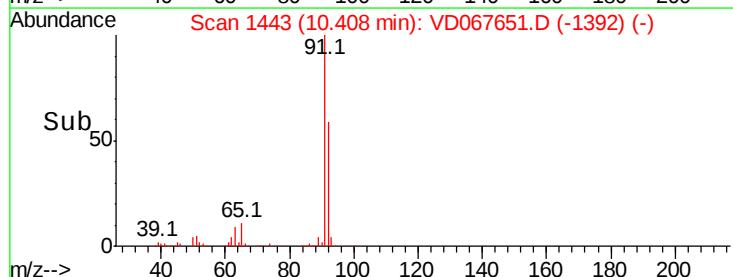
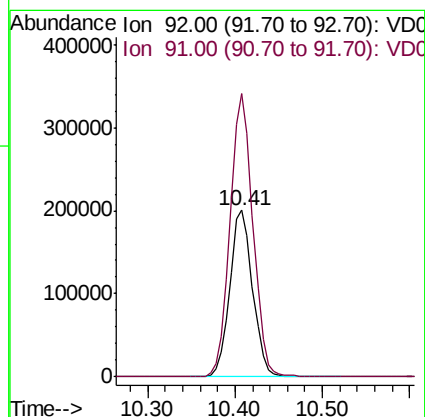
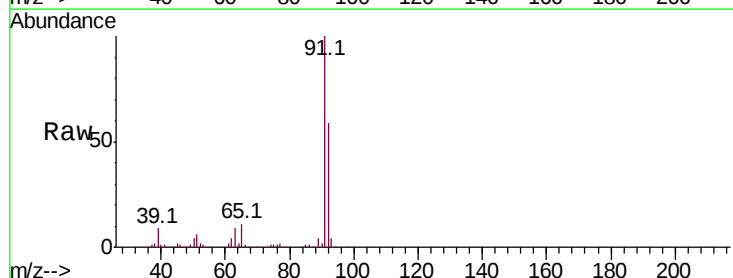
Acq: 17 Nov 2020 09:52

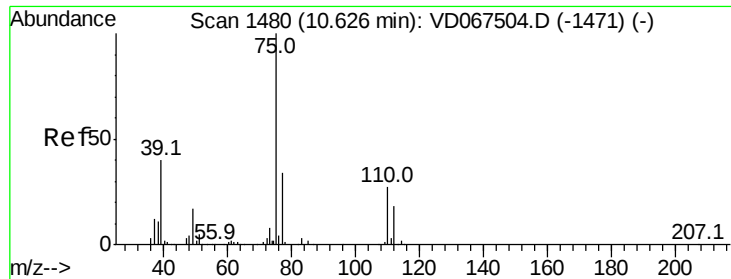
Tgt Ion: 92 Resp: 357948

Ion Ratio Lower Upper

92 100

91 169.7 137.0 205.6

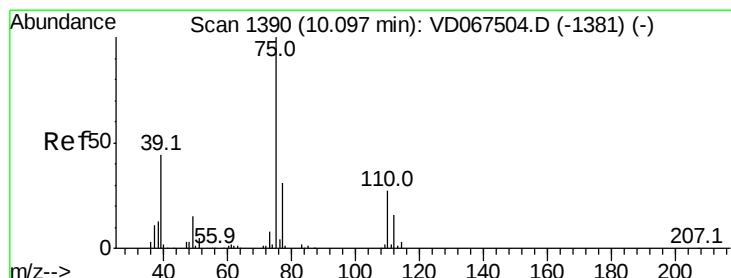
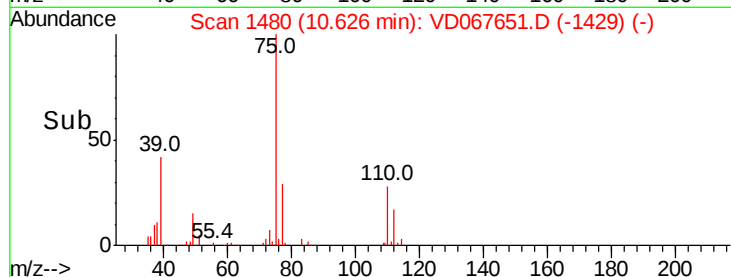
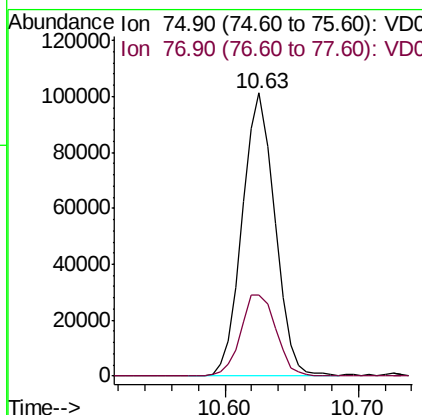
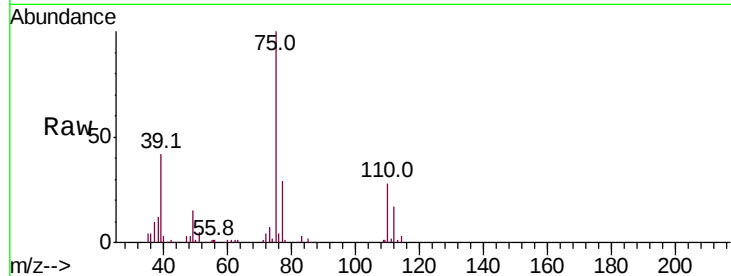




#53
t-1,3-Dichloropropene
Concen: 56.522 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

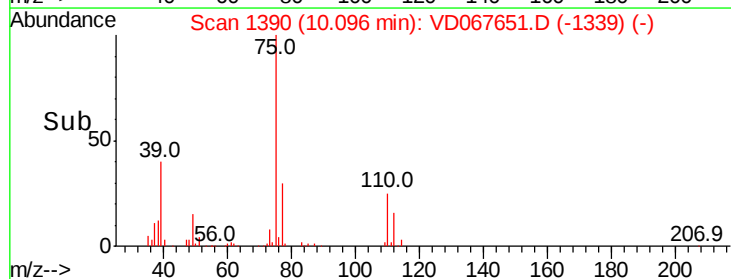
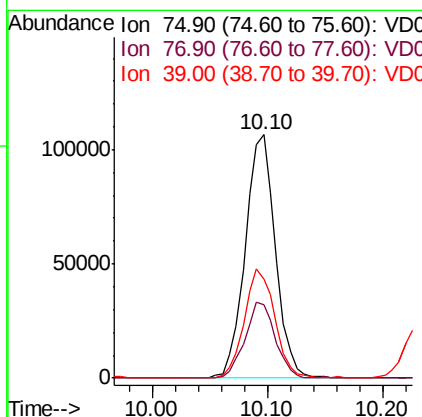
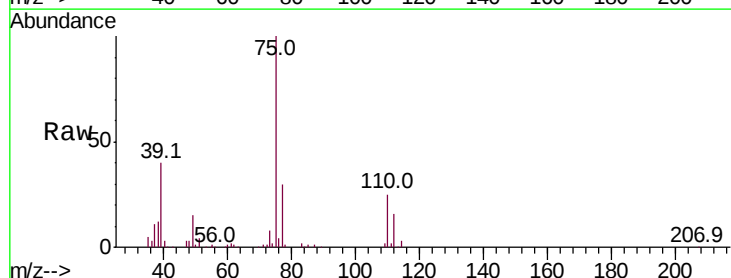
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

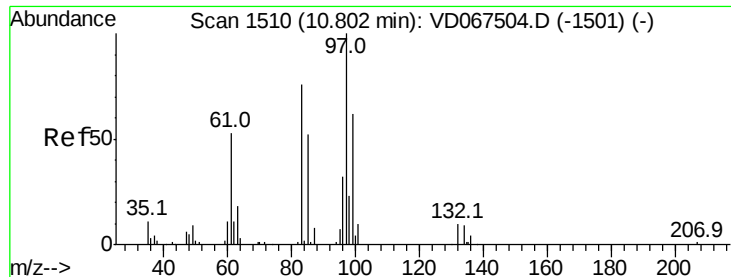
Tot Ion: 75 Resp: 171945
Ion Ratio Lower Upper
75 100
77 28.7 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 53.667 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 75 Resp: 193971
Ion Ratio Lower Upper
75 100
77 30.2 24.4 36.6
39 40.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 53.736 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 92915

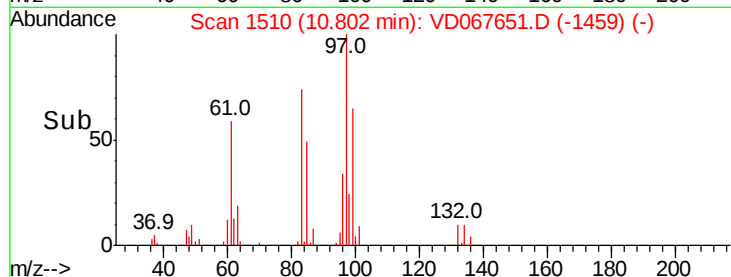
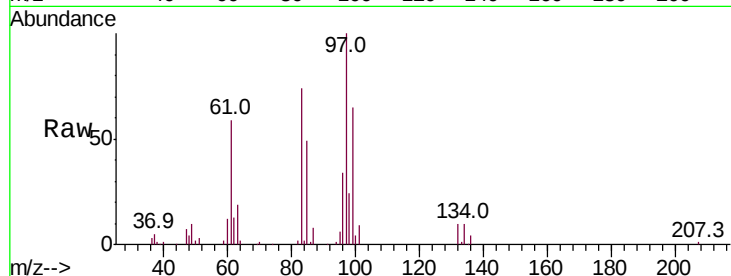
Ion	Ratio	Lower	Upper
97	100		
83	74.5	61.0	91.6
85	49.2	41.5	62.3
99	65.4	49.4	74.2

97 100

83 74.5 61.0 91.6

85 49.2 41.5 62.3

99 65.4 49.4 74.2



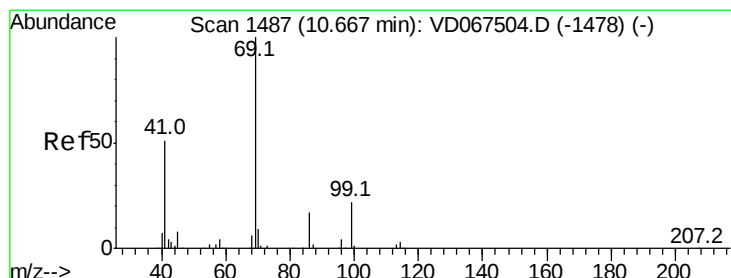
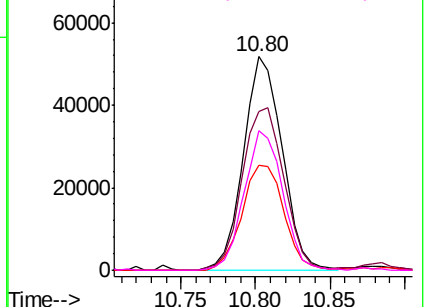
Abundance

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: 55.332 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

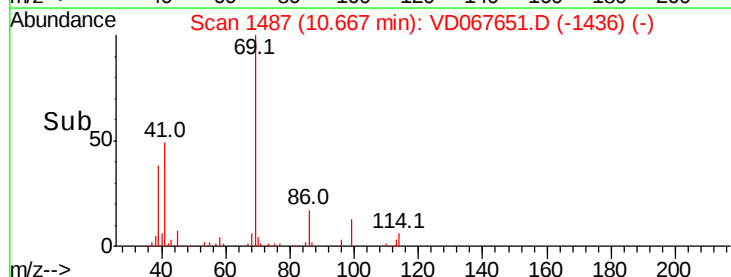
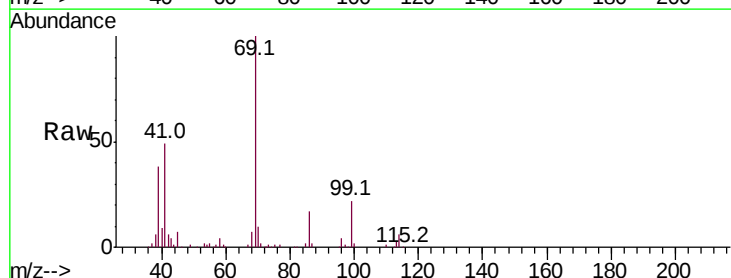
Tgt Ion: 69 Resp: 98799

Ion	Ratio	Lower	Upper
69	100		
41	56.0	45.4	68.0
39	33.5	27.4	41.0

69 100

41 56.0 45.4 68.0

39 33.5 27.4 41.0

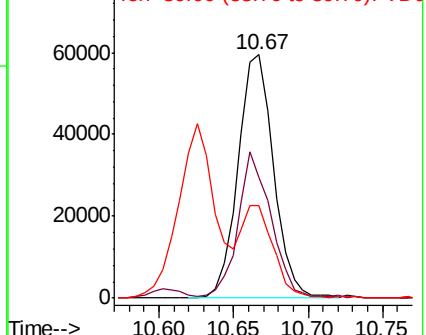


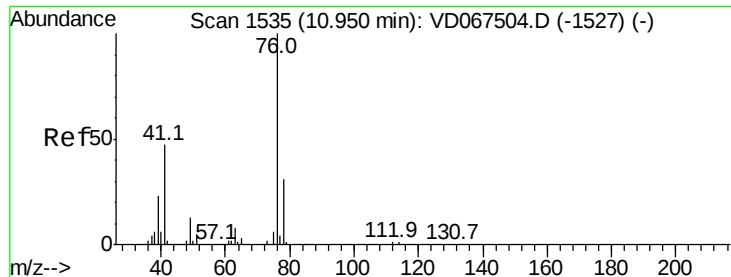
Abundance

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: 54.556 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

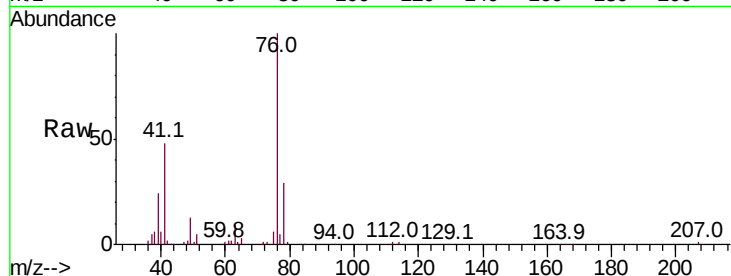
VSTDCCC050

Tot Ion: 76 Resp: 151797

Ion Ratio Lower Upper

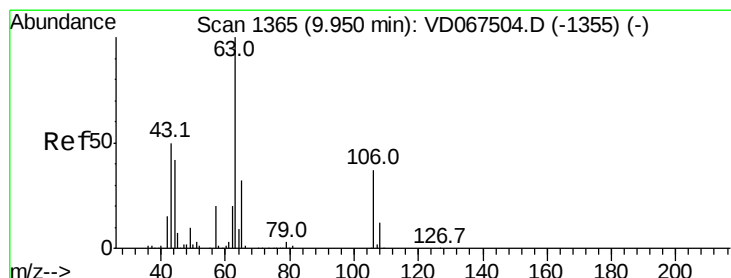
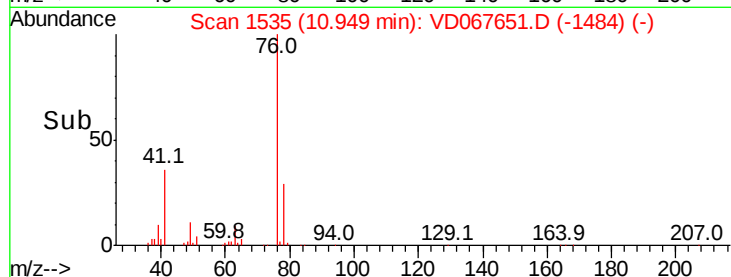
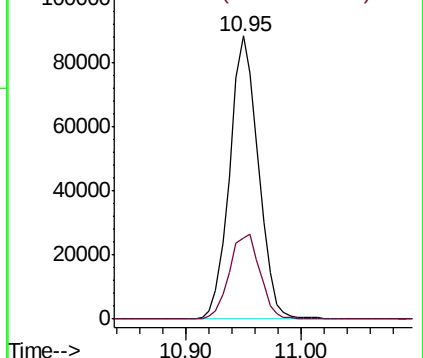
76 100

78 32.3 26.1 39.1



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: 265.691 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067651.D

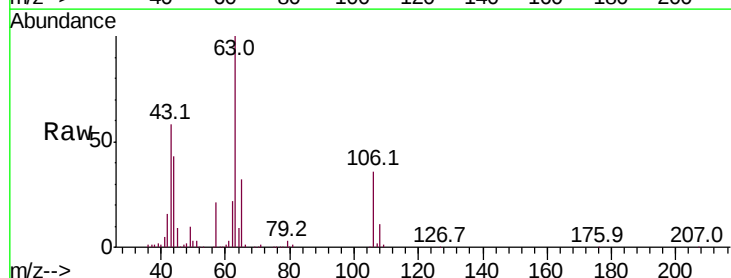
Acq: 17 Nov 2020 09:52

Tgt Ion: 63 Resp: 221232

Ion Ratio Lower Upper

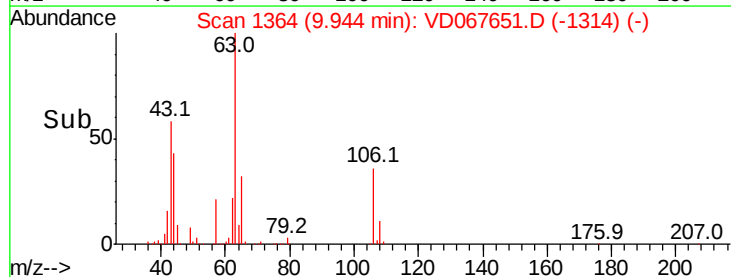
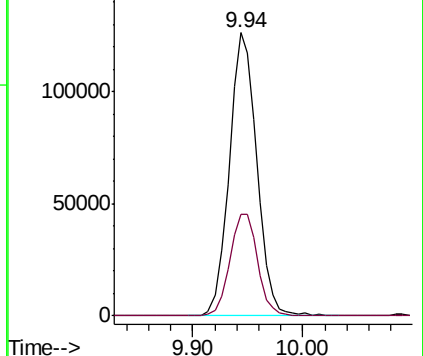
63 100

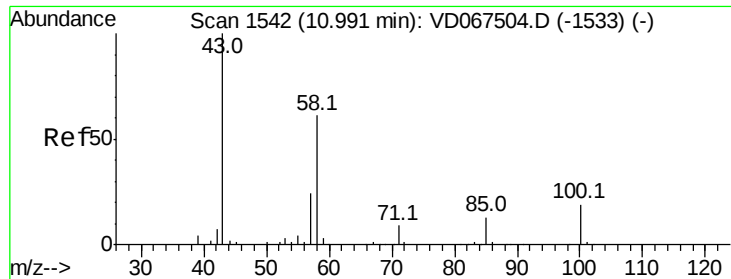
106 36.2 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

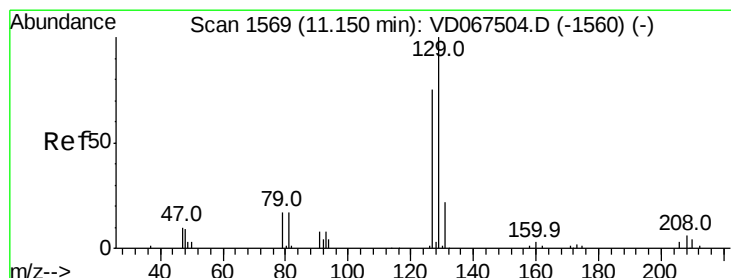
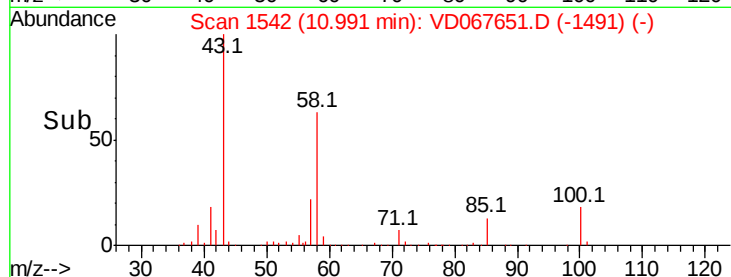
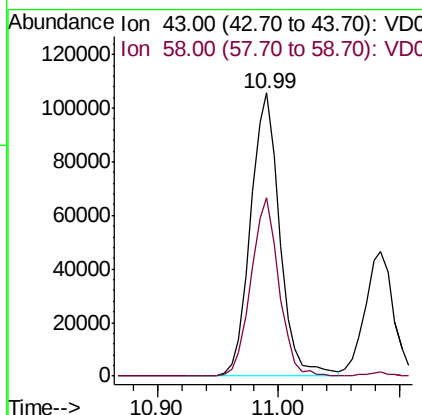
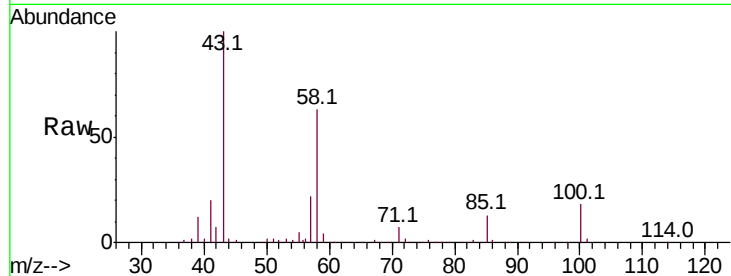




#59
2-Hexanone
Concen: 296.674 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

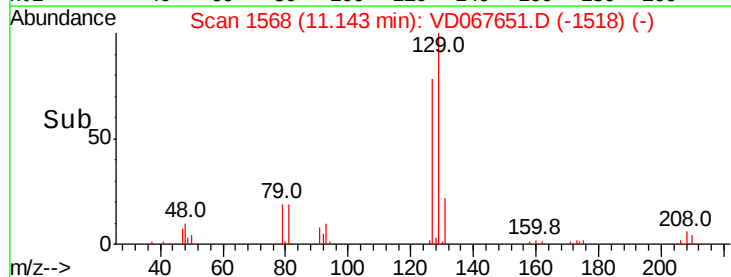
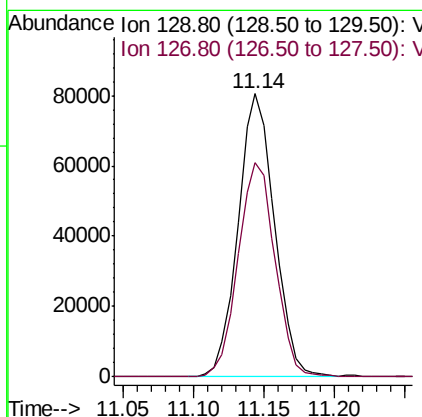
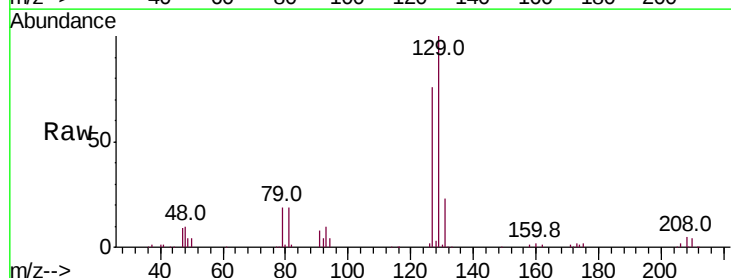
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

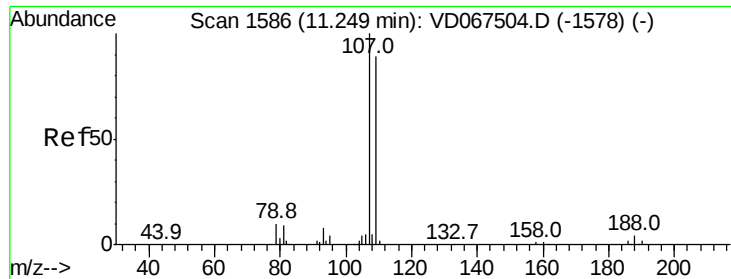
Tot Ion: 43 Resp: 178760
Ion Ratio Lower Upper
43 100
58 60.1 30.3 90.9



#60
Dibromochloromethane
Concen: 56.646 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 129 Resp: 144888
Ion Ratio Lower Upper
129 100
127 77.2 38.0 114.1





#61

1,2-Dibromoethane

Concen: 54.497 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

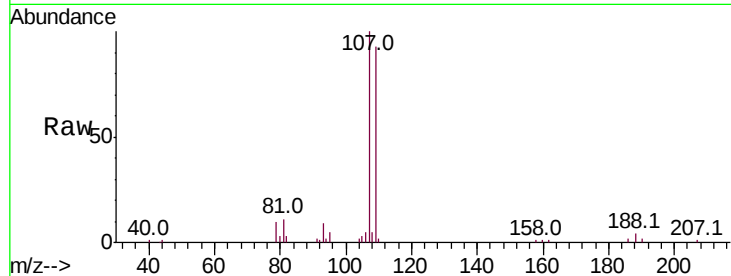
VSTDCCC050

Tot Ion:107 Resp: 94574

Ion Ratio Lower Upper

107 100

109 94.6 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

60000

50000

40000

30000

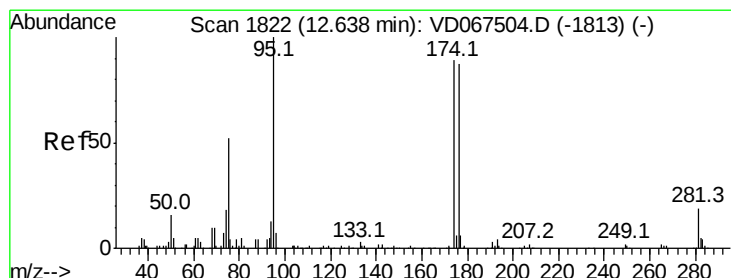
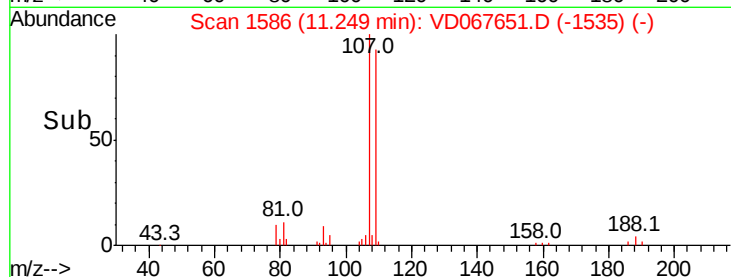
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 50.335 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

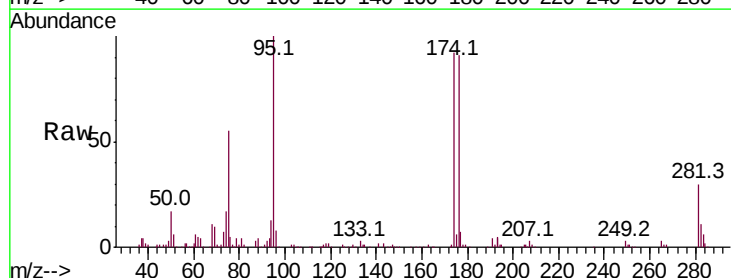
Tgt Ion: 95 Resp: 150853

Ion Ratio Lower Upper

95 100

174 90.5 0.0 177.8

176 90.6 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

120000

100000

80000

60000

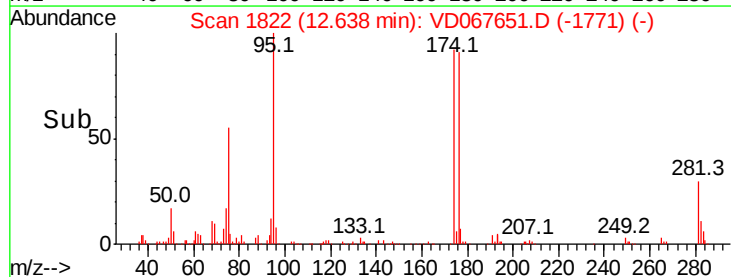
40000

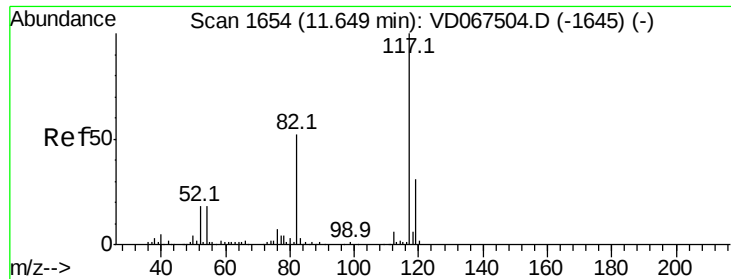
20000

0

Time-->

12.55 12.60 12.65 12.70

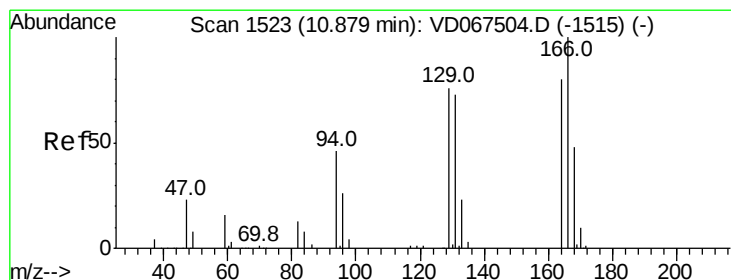
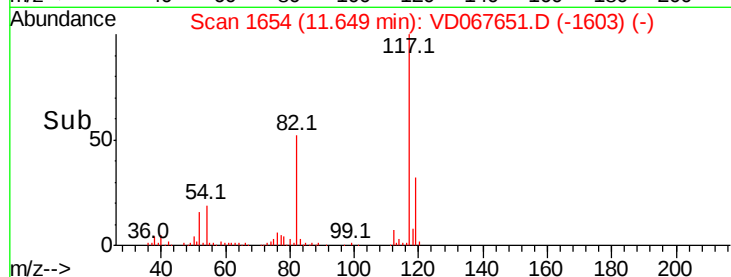
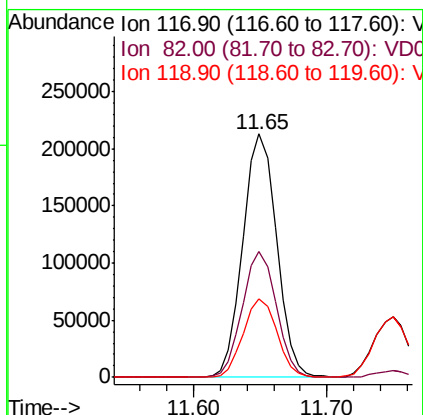
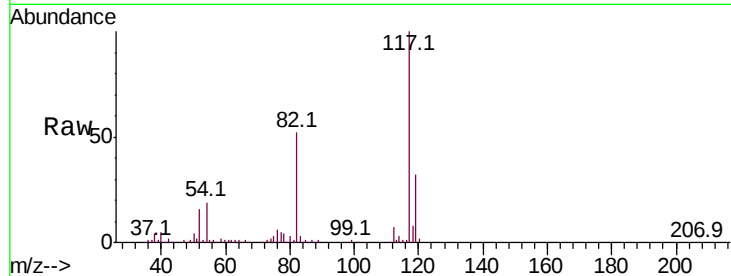




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

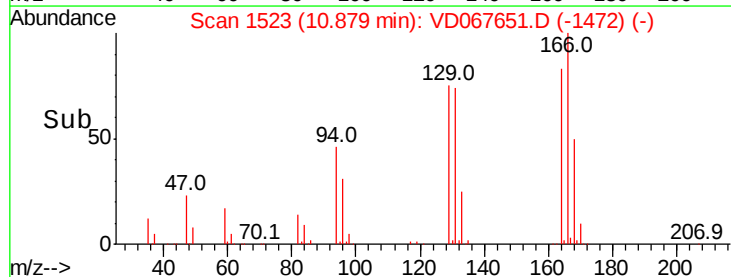
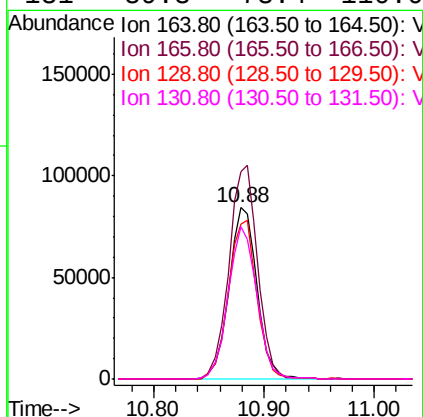
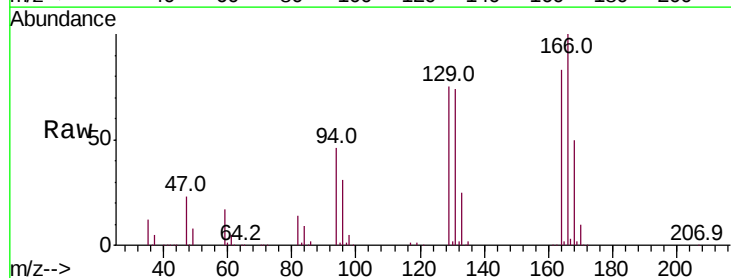
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

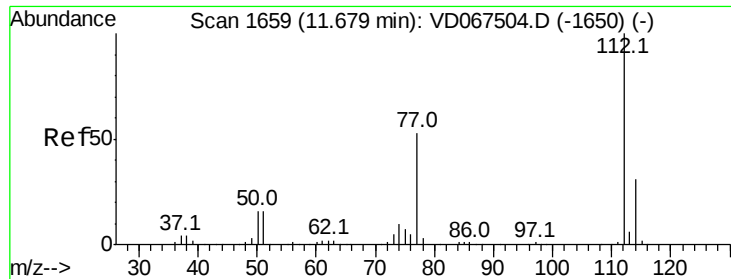
Tot Ion:117 Resp: 374499
Ion Ratio Lower Upper
117 100
82 51.7 41.6 62.4
119 32.2 25.1 37.7



#64
Tetrachloroethene
Concen: 53.991 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion:164 Resp: 149745
Ion Ratio Lower Upper
164 100
166 121.0 99.9 149.9
129 90.9 75.5 113.3
131 89.3 73.4 110.0

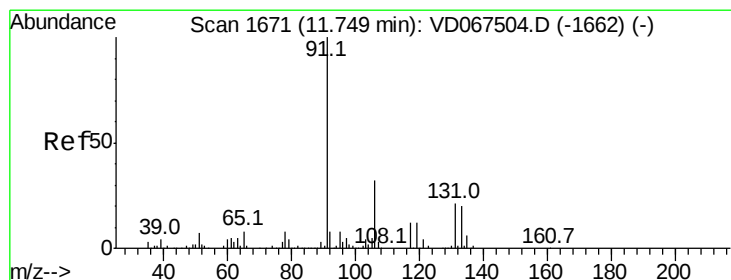
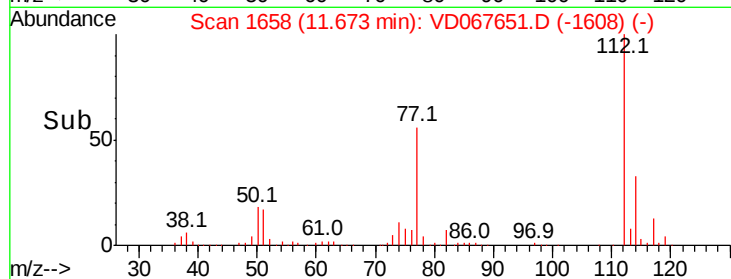
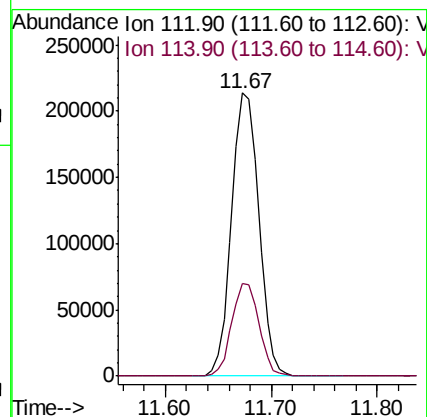
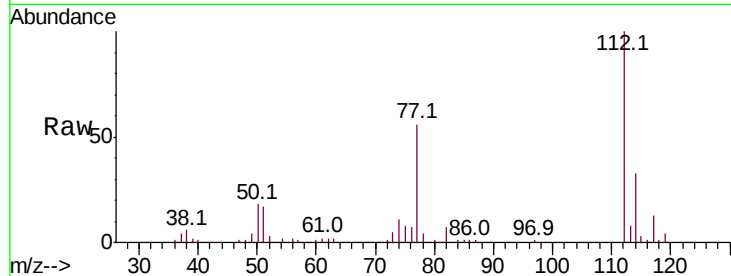




#65
Chlorobenzene
Concen: 53.060 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

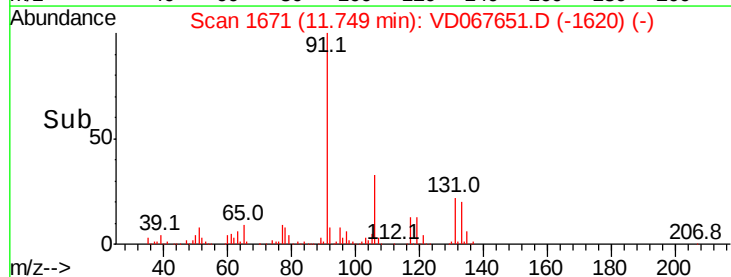
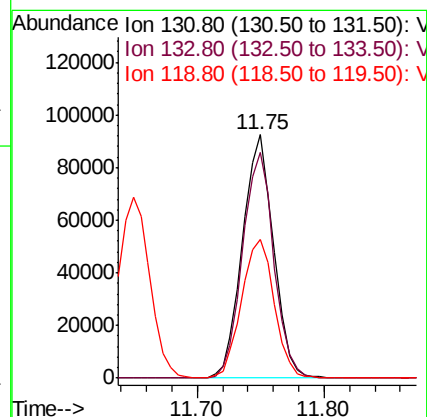
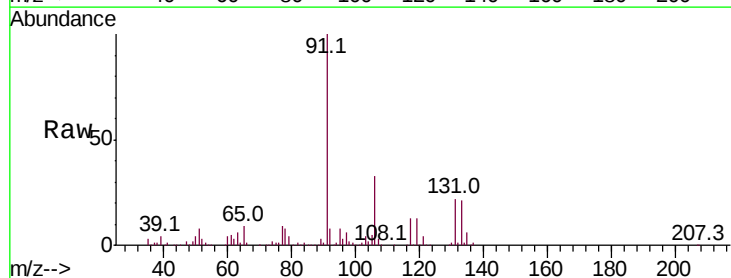
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

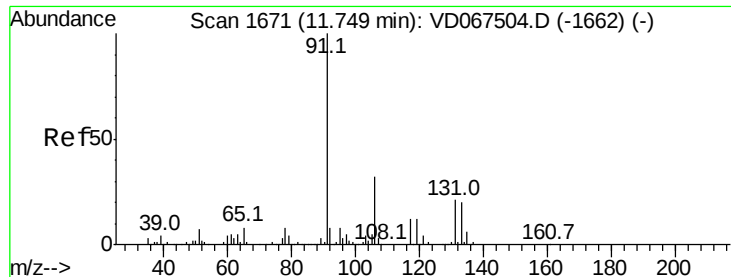
Tot Ion:112 Resp: 382768
Ion Ratio Lower Upper
112 100
114 32.9 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 55.471 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion:131 Resp: 157718
Ion Ratio Lower Upper
131 100
133 93.2 48.0 144.0
119 59.9 30.1 90.5





#67

Ethyl Benzene

Concen: 56.278 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

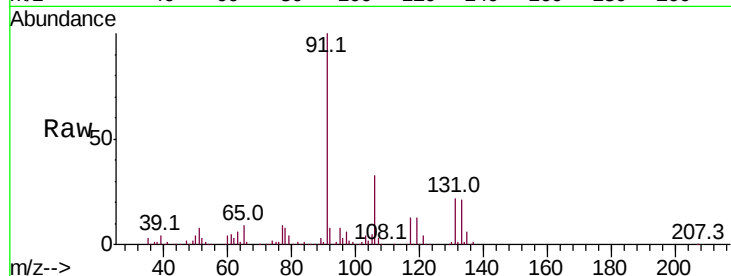
VSTDCCC050

Tot Ion: 91 Resp: 694720

Ion Ratio Lower Upper

91 100

106 32.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

600000

400000

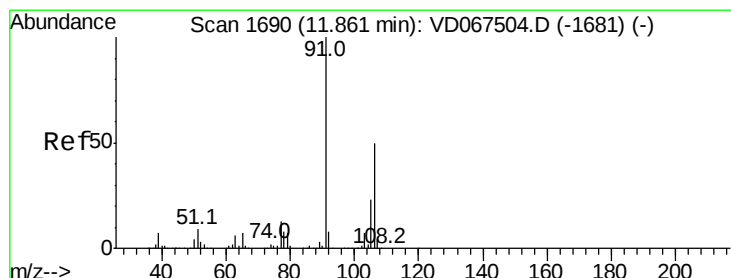
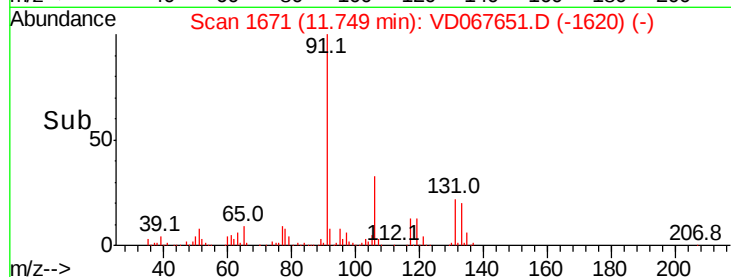
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 112.006 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067651.D

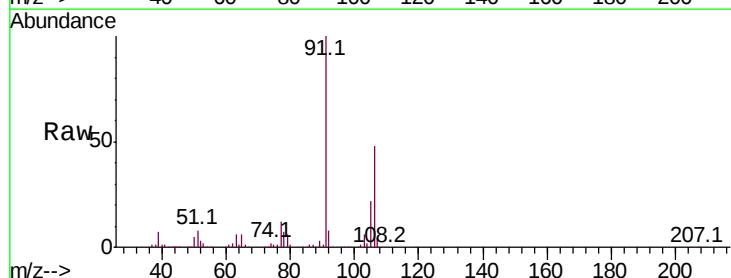
Acq: 17 Nov 2020 09:52

Tgt Ion: 106 Resp: 537910

Ion Ratio Lower Upper

106 100

91 206.2 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

400000

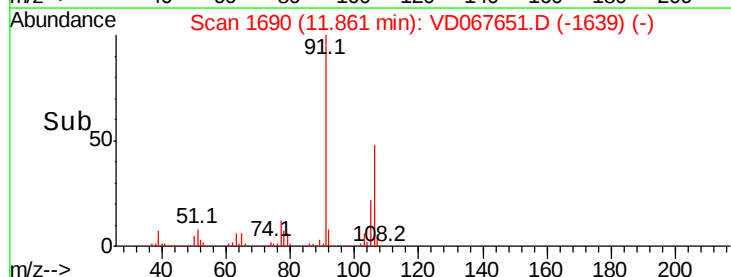
200000

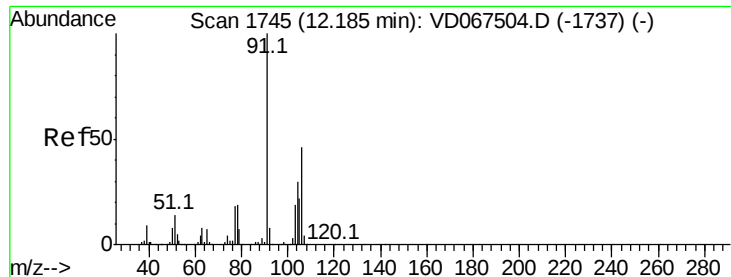
0

11.86

11.90

Time-->

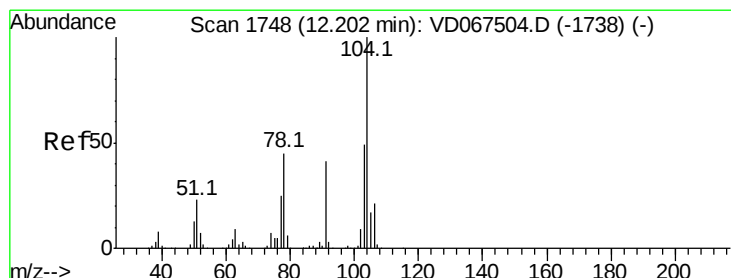
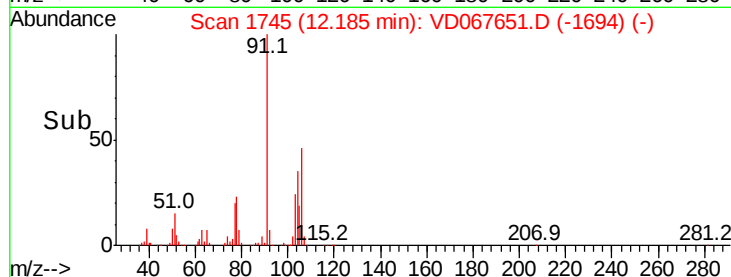
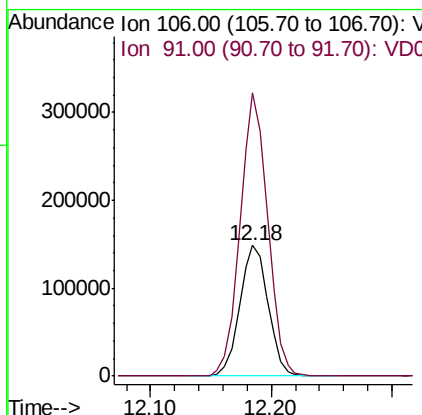
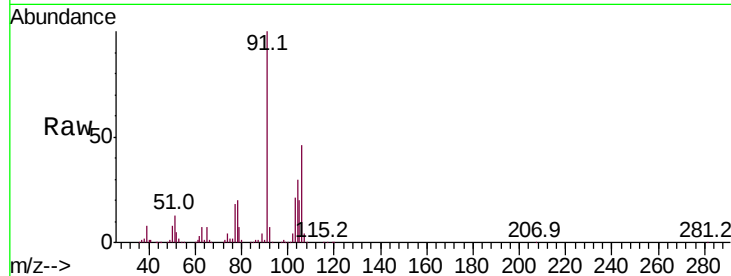




#69
o-Xylene
Concen: 56.970 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

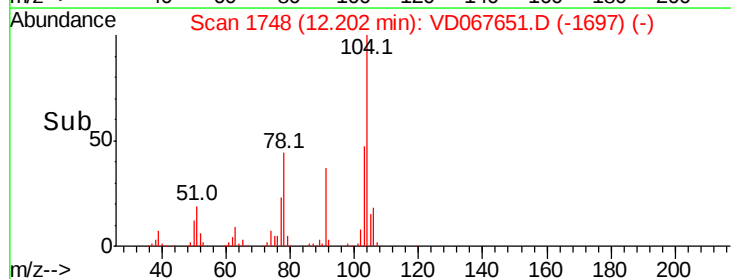
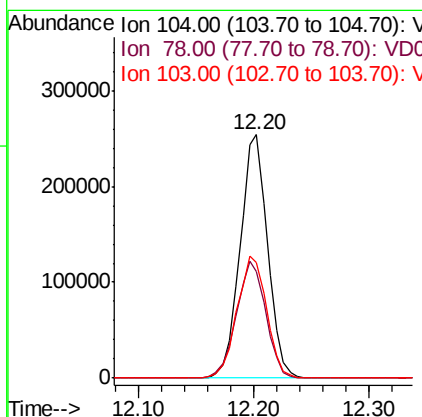
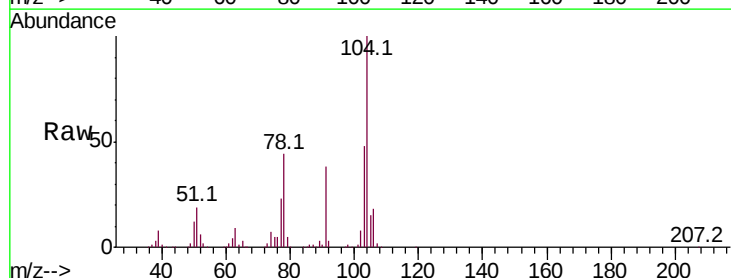
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

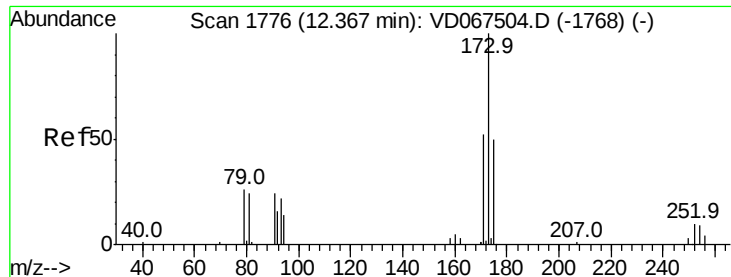
Tot Ion:106 Resp: 244276
Ion Ratio Lower Upper
106 100
91 210.2 107.1 321.1



#70
Styrene
Concen: 56.024 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion:104 Resp: 418589
Ion Ratio Lower Upper
104 100
78 51.4 39.8 59.8
103 54.1 43.9 65.9





#71

Bromoform

Concen: 54.811 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

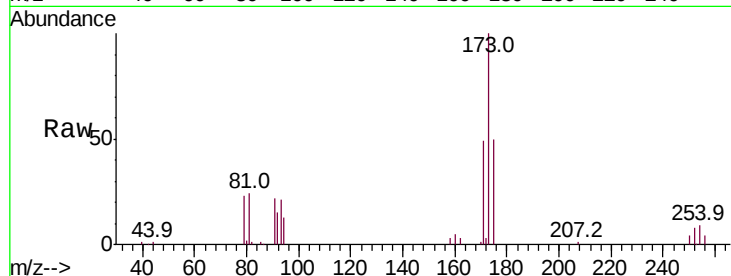
Tot Ion:173 Resp: 79479

Ion Ratio Lower Upper

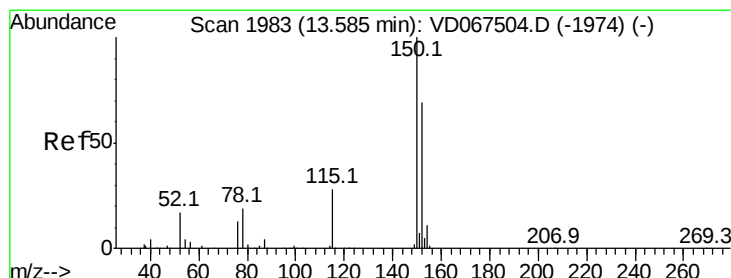
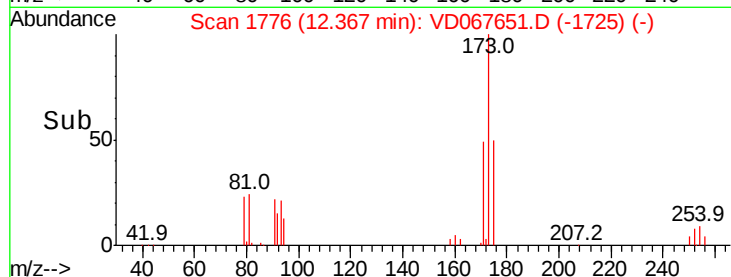
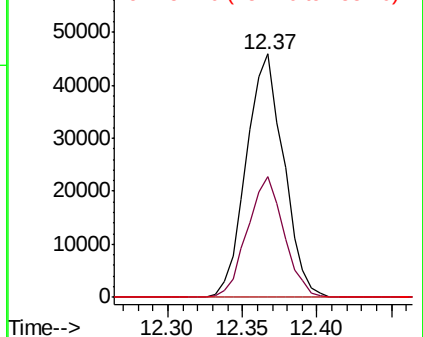
173 100

175 48.5 24.1 72.2

254 0.0 0.0 0.0



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. -0.01 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

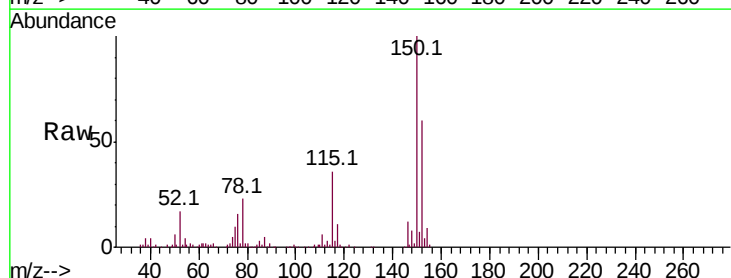
Tgt Ion:152 Resp: 190275

Ion Ratio Lower Upper

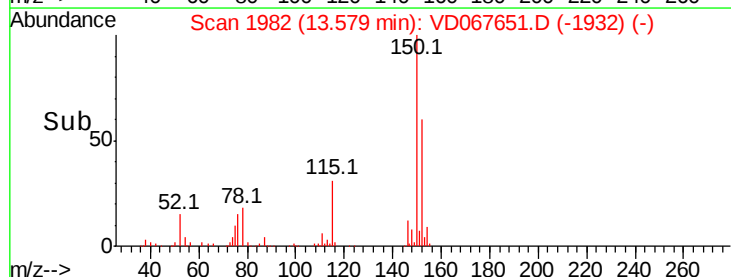
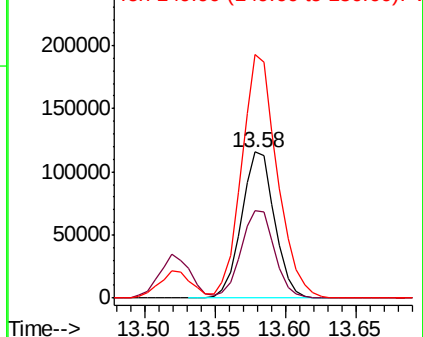
152 100

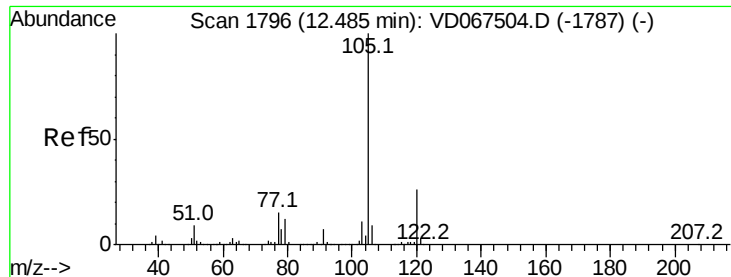
115 60.3 29.3 88.0

150 177.8 0.0 338.2



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

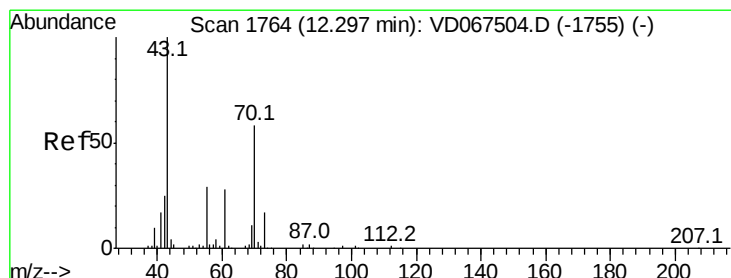
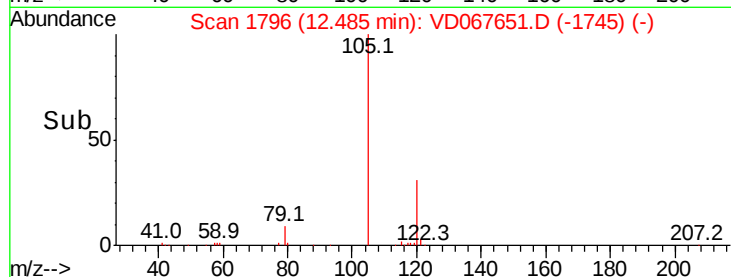
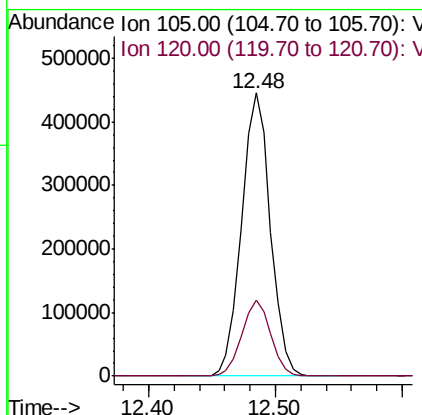
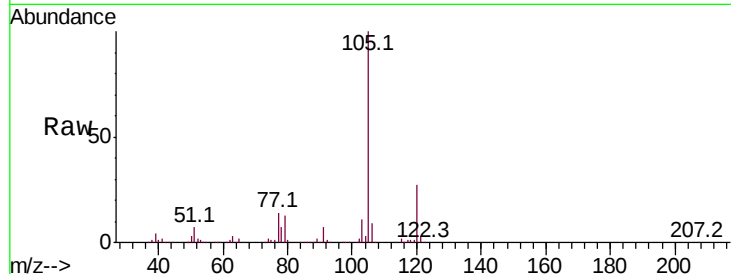




#73
Isopropylbenzene
Concen: 56.883 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

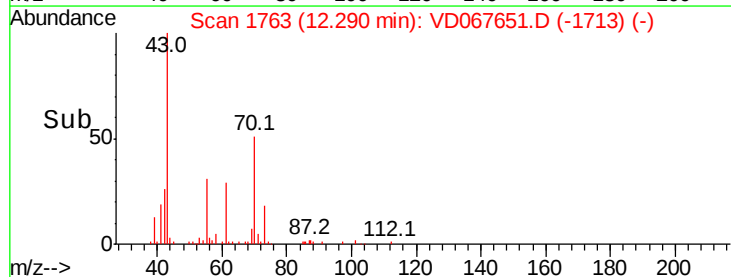
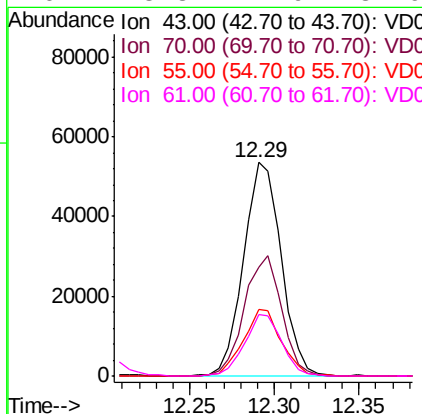
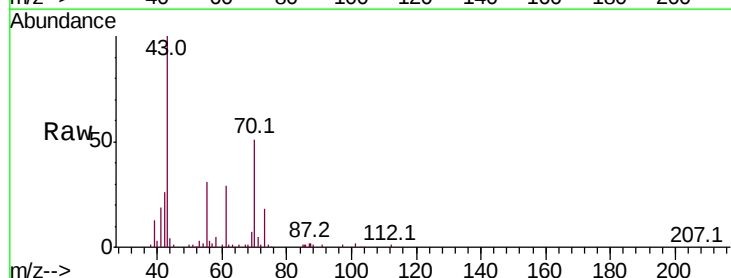
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

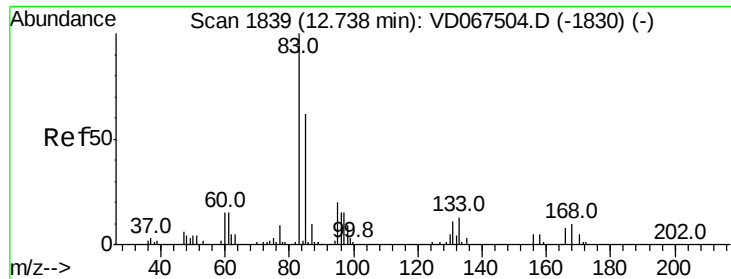
Tot Ion:105 Resp: 699499
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6



#74
N-ethyl acetate
Concen: 51.573 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 43 Resp: 83450
Ion Ratio Lower Upper
43 100
70 55.8 42.6 64.0
55 31.7 23.7 35.5
61 28.3 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.115 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

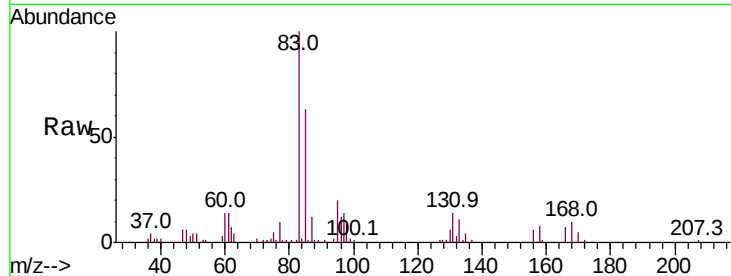
Tot Ion: 83 Resp: 87390

Ion Ratio Lower Upper

83 100

131 13.9 7.1 21.3

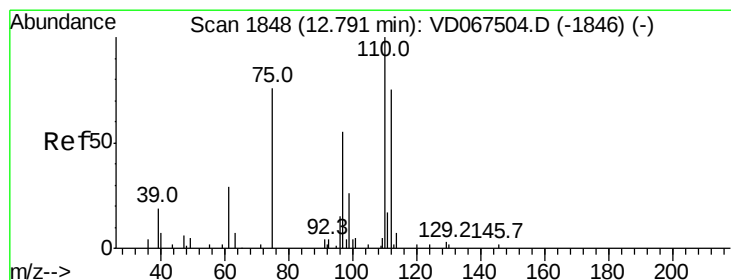
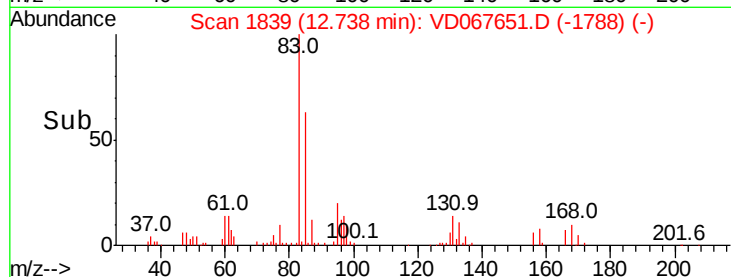
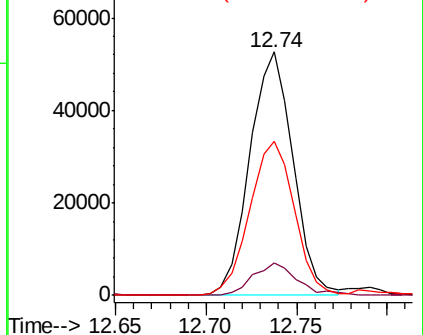
85 65.0 32.9 98.7



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: 110.548 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067651.D

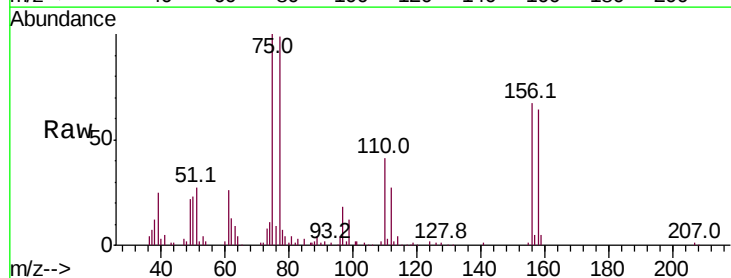
Acq: 17 Nov 2020 09:52

Tgt Ion: 75 Resp: 126892

Ion Ratio Lower Upper

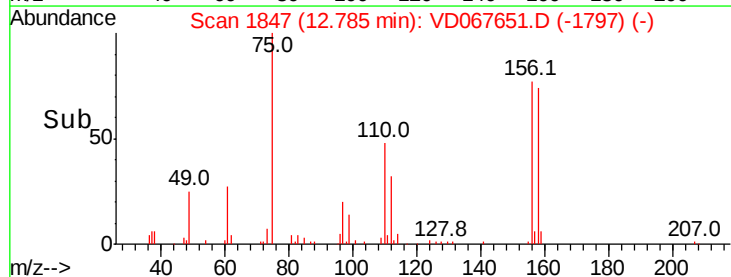
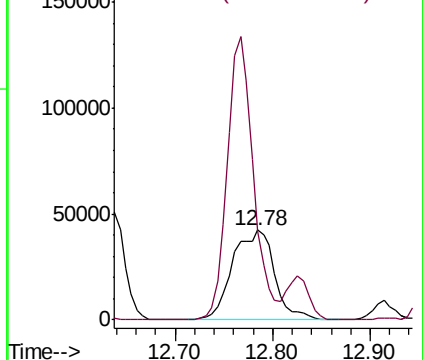
75 100

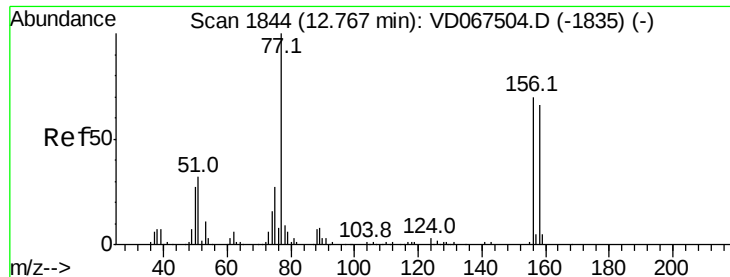
77 196.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 55.479 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

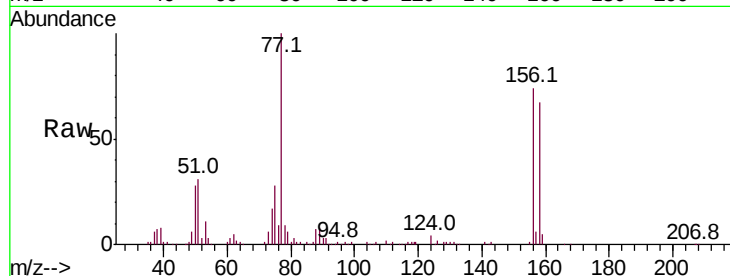
VSTDCCC050

Tot Ion:156 Resp: 167547

Ion	Ratio	Lower	Upper
156	100		
77	149.0	77.8	233.5
158	93.9	47.9	143.7

77 149.0 77.8 233.5

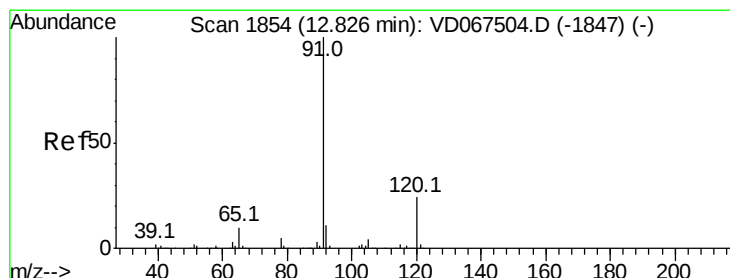
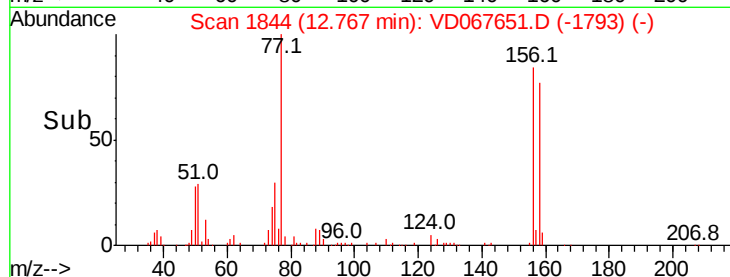
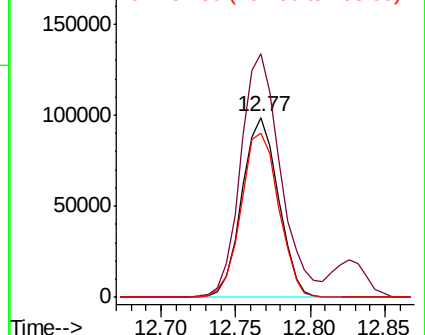
158 93.9 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.743 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067651.D

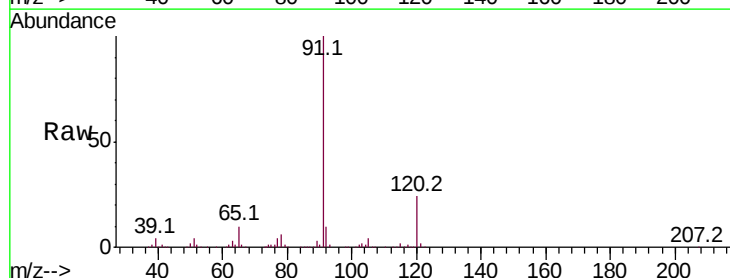
Acq: 17 Nov 2020 09:52

Tgt Ion: 91 Resp: 798129

Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.2	36.4

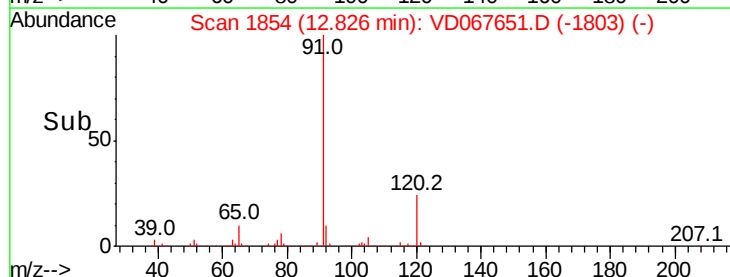
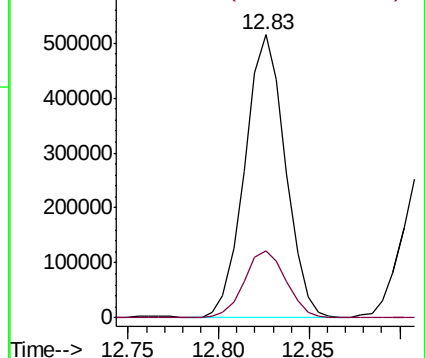
91 100

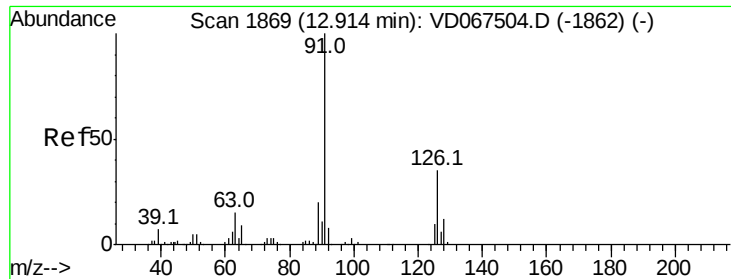
120 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.989 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

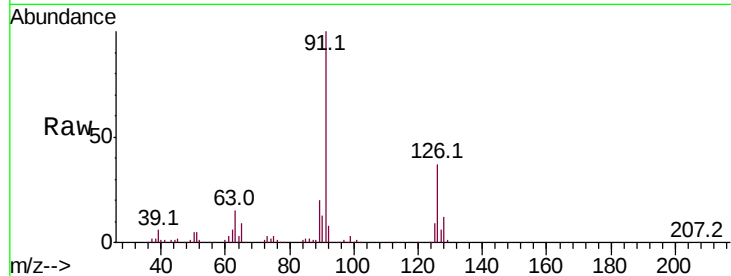
VSTDCCC050

Tot Ion: 91 Resp: 447355

Ion Ratio Lower Upper

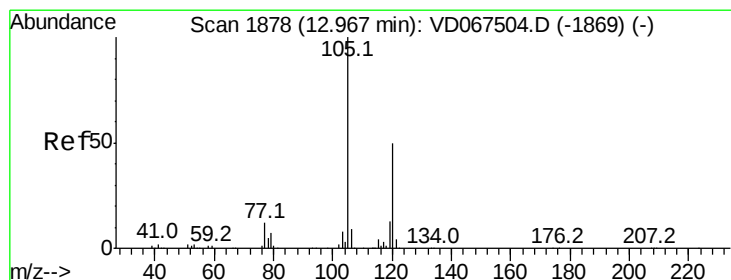
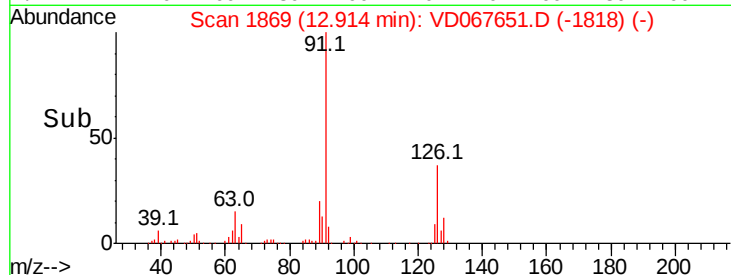
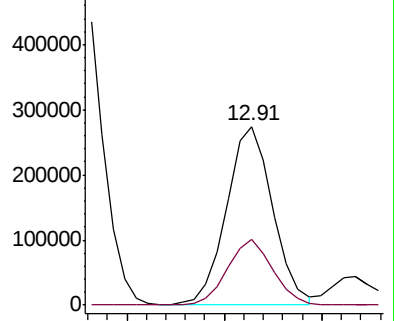
91 100

126 36.3 17.8 53.4



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: 57.764 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067651.D

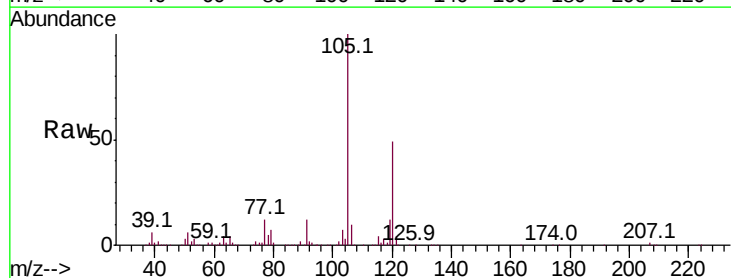
Acq: 17 Nov 2020 09:52

Tgt Ion:105 Resp: 606800

Ion Ratio Lower Upper

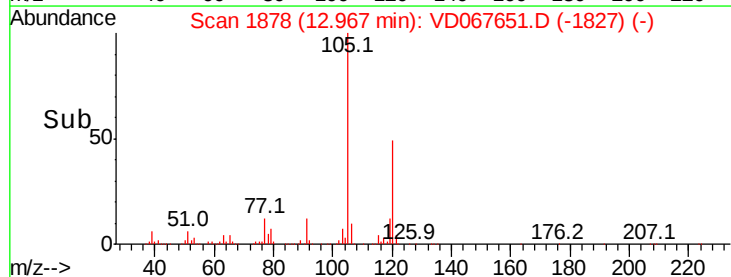
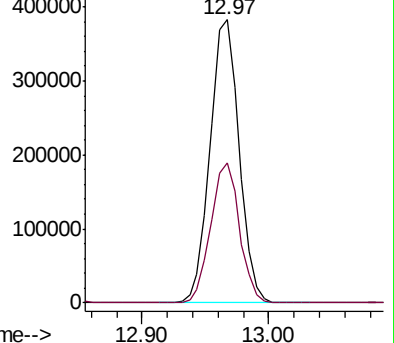
105 100

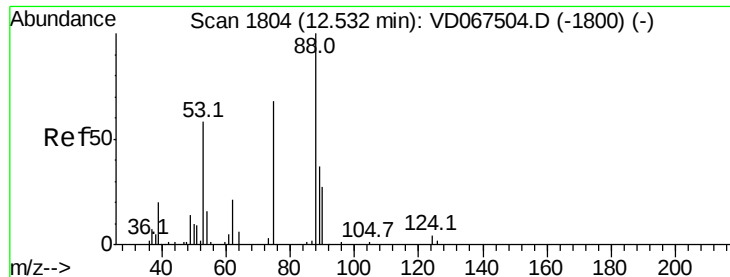
120 49.0 24.3 72.8



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: 51.644 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

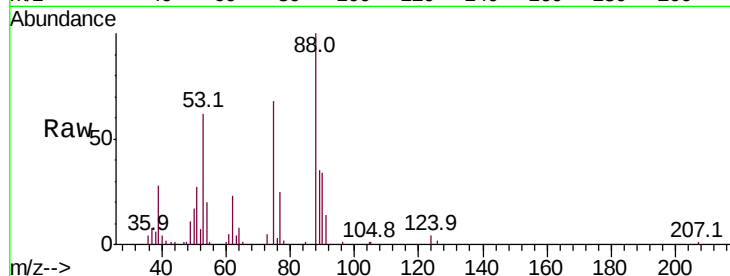
Tot Ion: 75 Resp: 29198

Ion Ratio Lower Upper

75 100

53 95.7 75.9 113.9

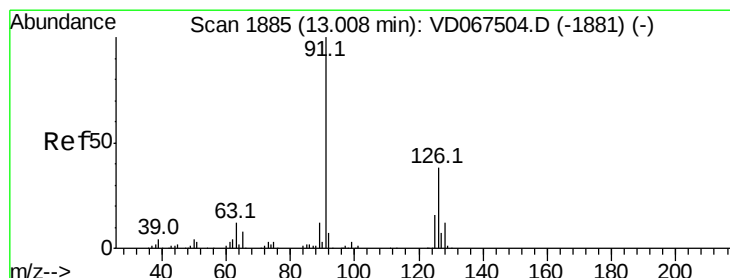
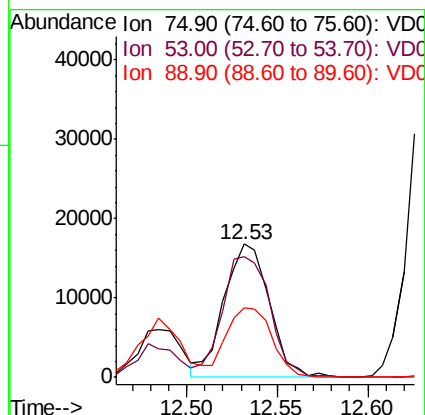
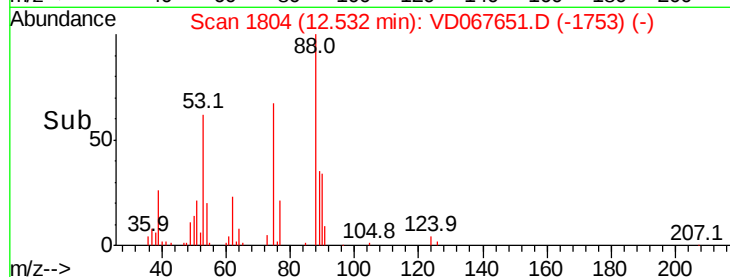
89 53.0 44.6 67.0



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: 56.776 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067651.D

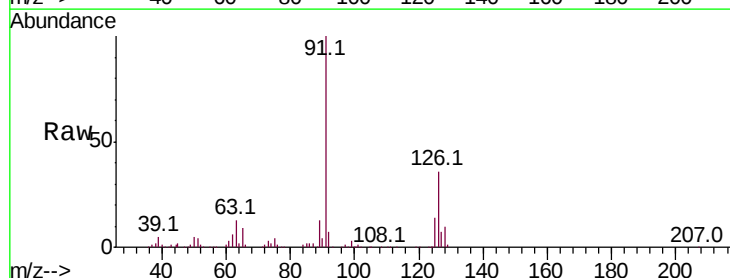
Acq: 17 Nov 2020 09:52

Tgt Ion: 91 Resp: 486533

Ion Ratio Lower Upper

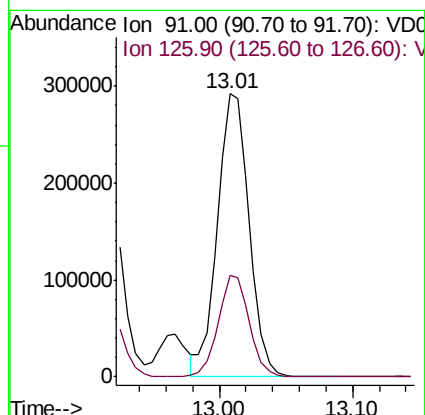
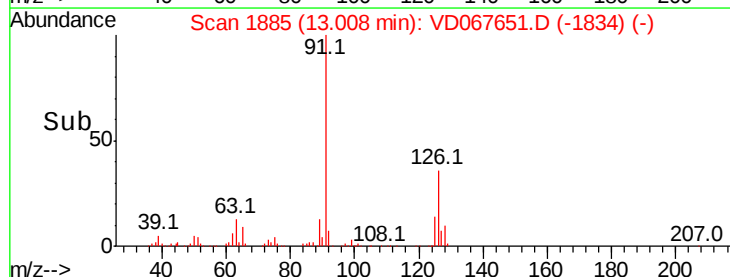
91 100

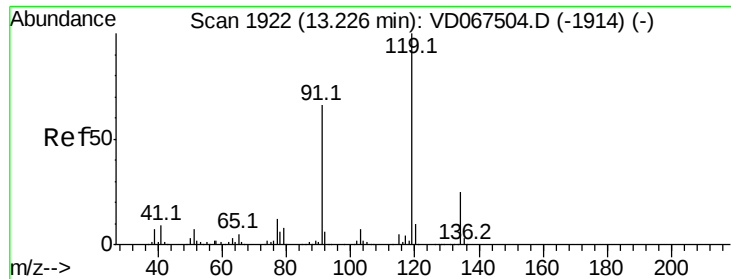
126 34.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

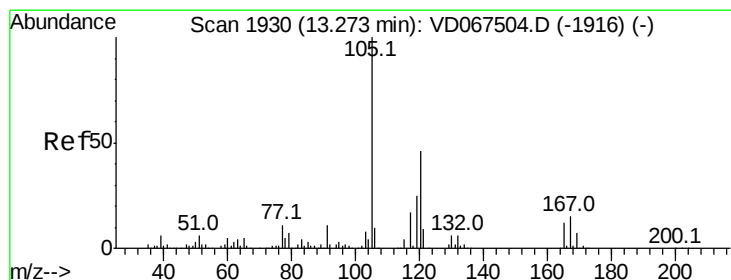
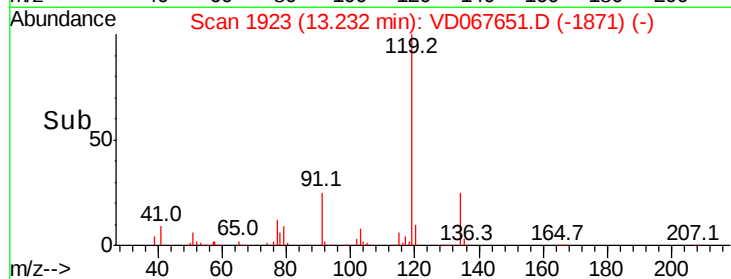
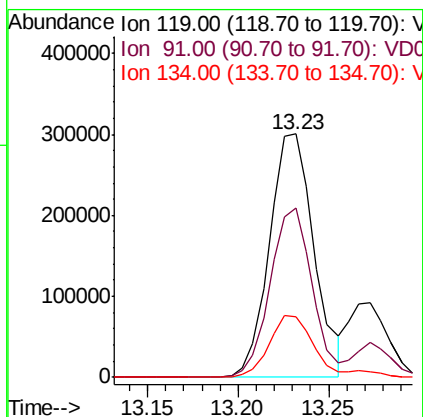
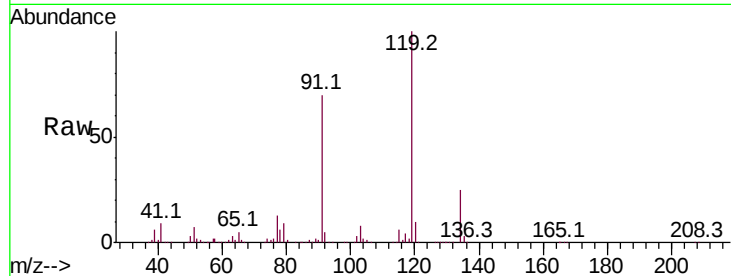




#83
tert-Butylbenzene
Concen: 58.060 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

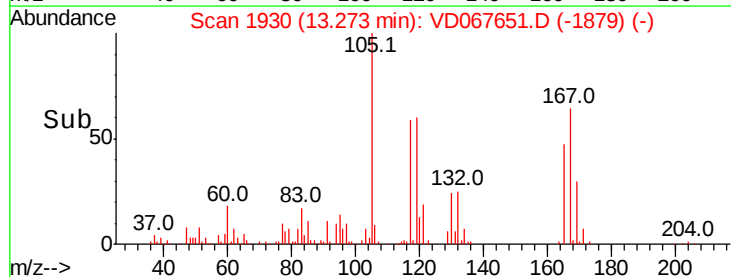
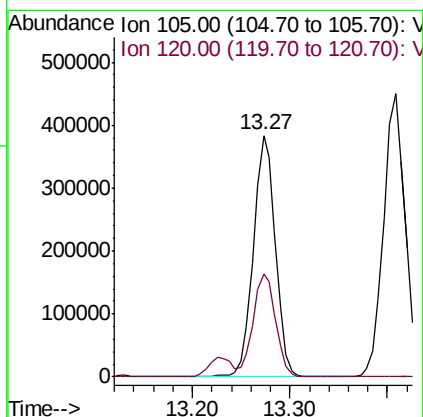
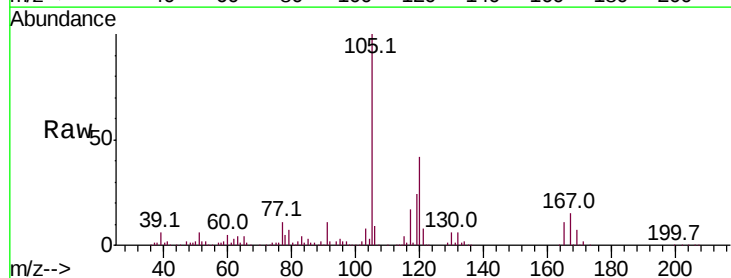
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

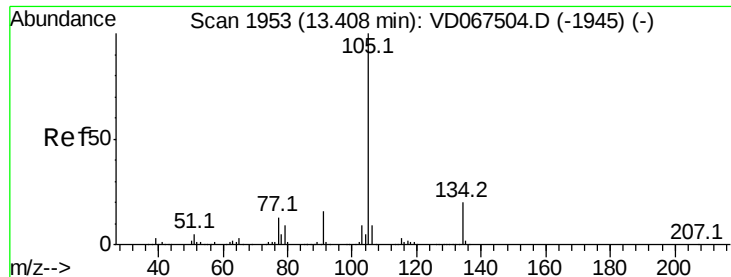
Tot Ion:119 Resp: 516902
Ion Ratio Lower Upper
119 100
91 65.4 32.7 98.1
134 26.7 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 58.335 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion:105 Resp: 609983
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.1





#85

sec-Butylbenzene

Concen: 57.369 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

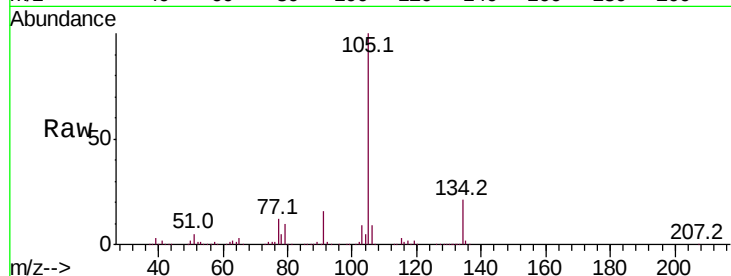
VSTDCCC050

Tot Ion:105 Resp: 689488

Ion Ratio Lower Upper

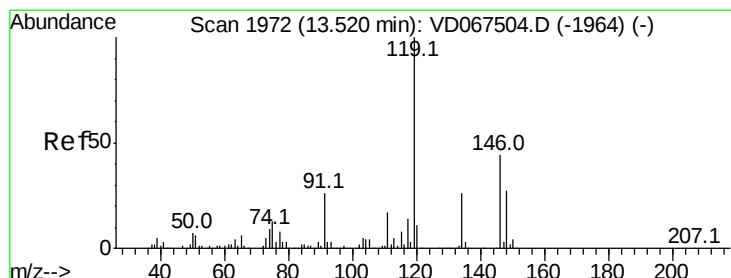
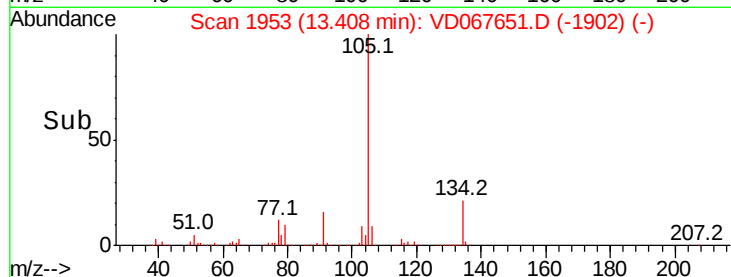
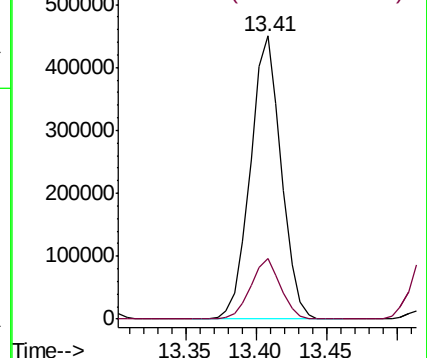
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.475 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

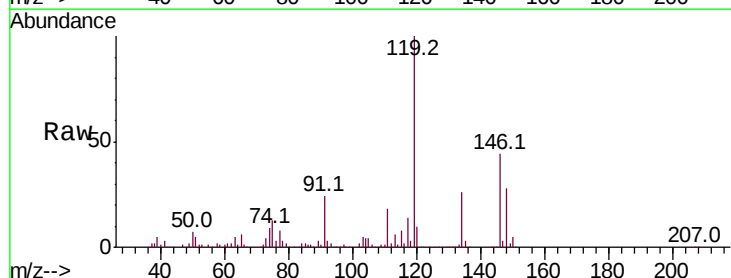
Tgt Ion:119 Resp: 667048

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

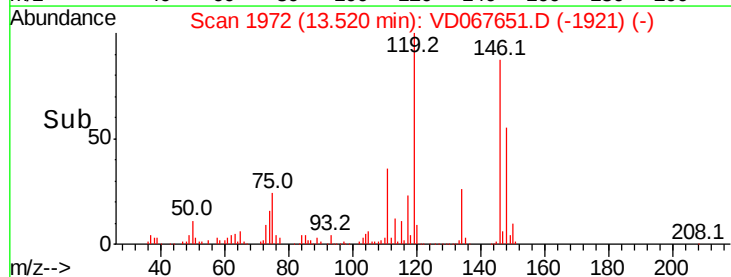
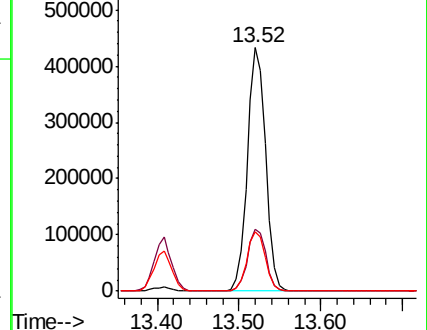
91 24.5 12.2 36.4

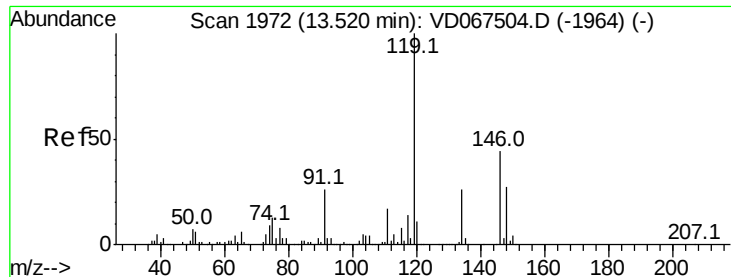


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.223 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

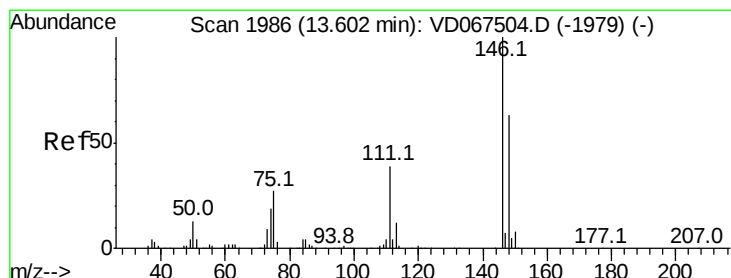
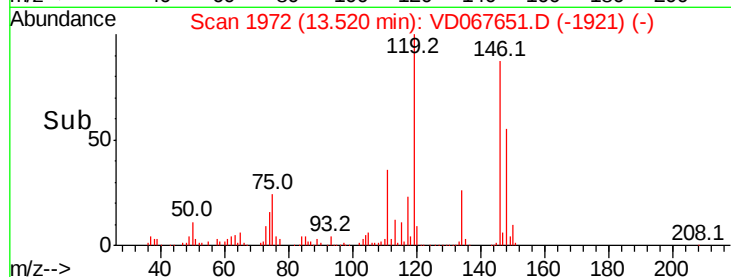
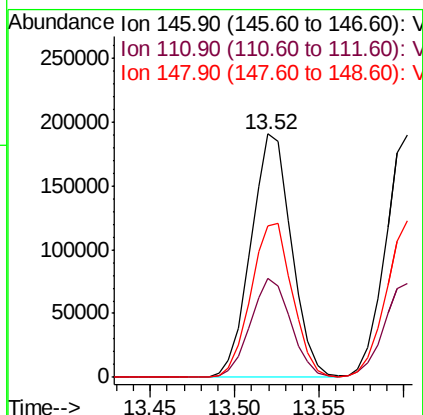
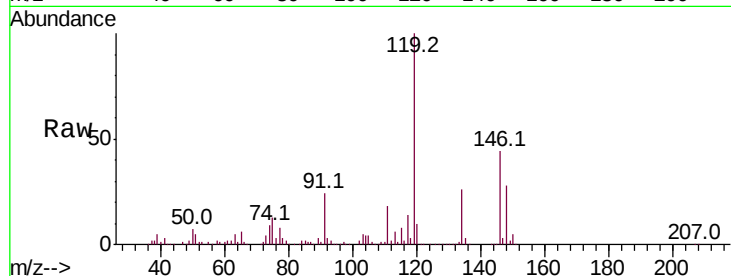
Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 318231

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	64.5	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 53.020 ug/l

RT: 13.60 min Scan# 1986

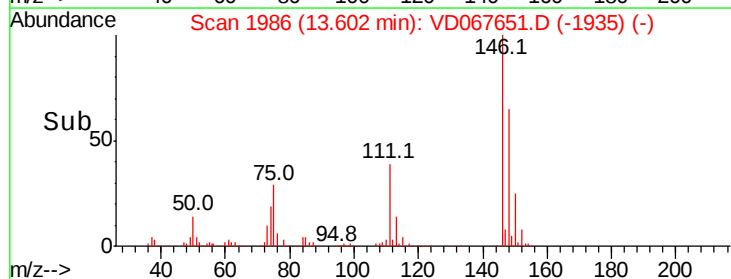
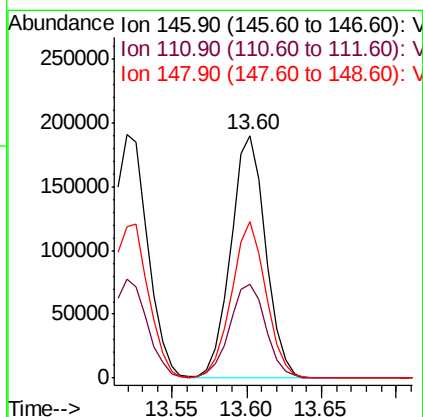
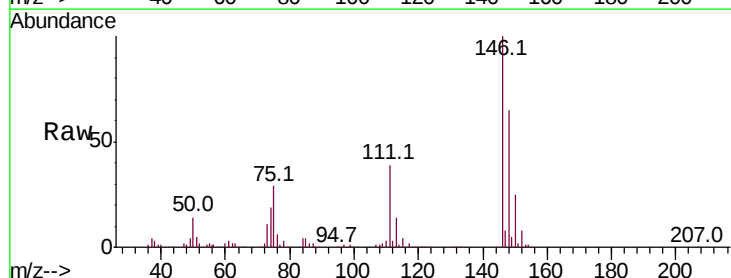
Delta R.T. -0.00 min

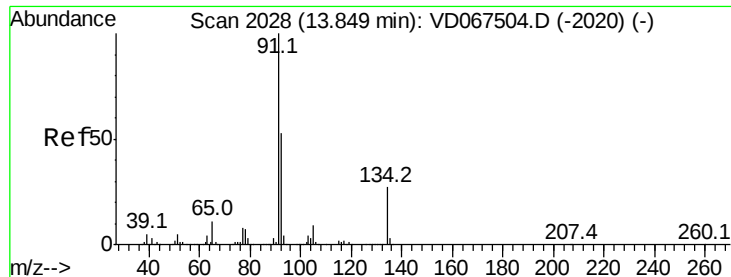
Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Tgt Ion:146 Resp: 309374

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.6	58.7
148	63.7	31.8	95.4

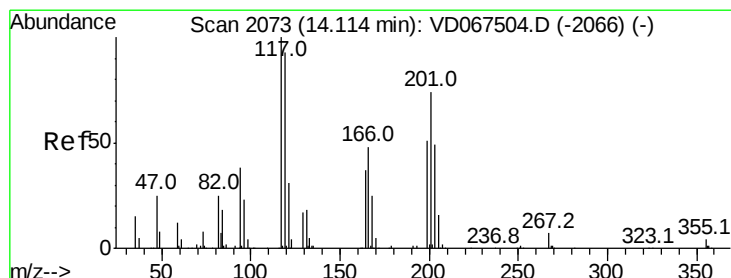
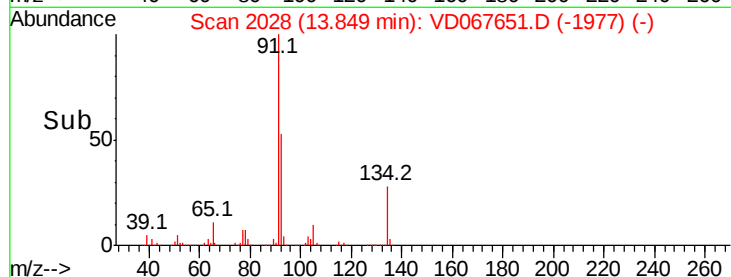
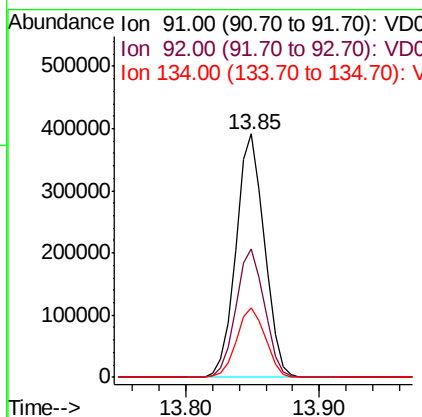
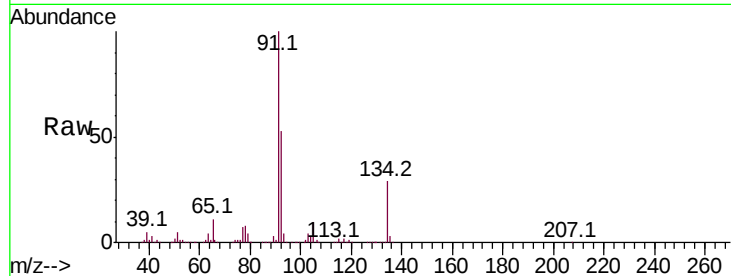




#89
n-Butylbenzene
Concen: 57.508 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

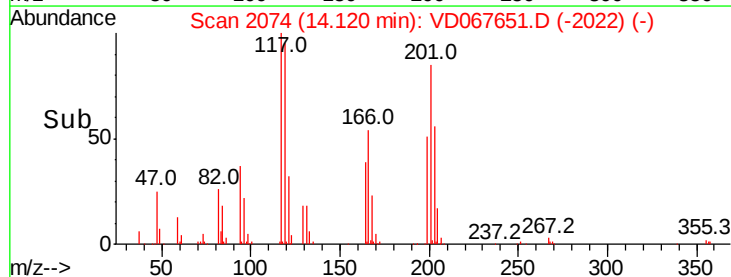
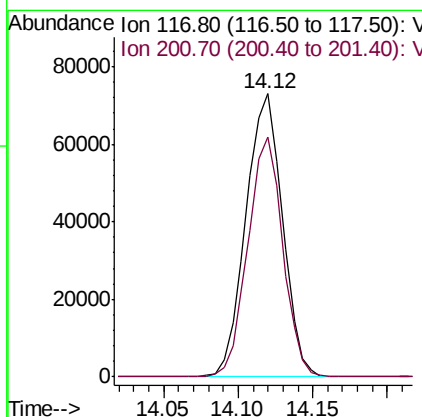
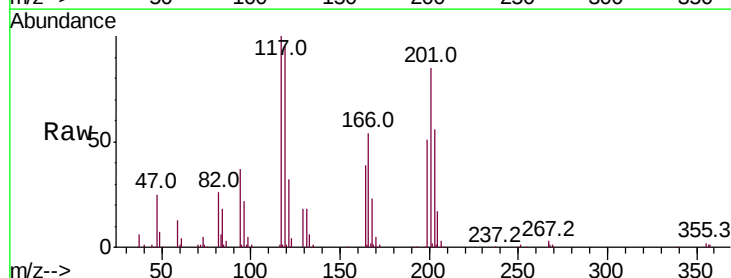
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

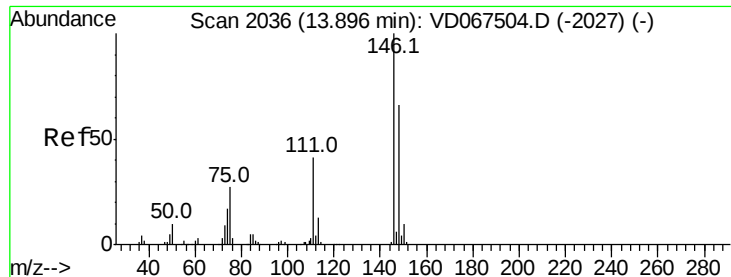
Tot Ion: 91 Resp: 576500
Ion Ratio Lower Upper
91 100
92 53.4 26.6 79.8
134 28.9 14.1 42.2



#90
Hexachloroethane
Concen: 56.618 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067651.D
Acq: 17 Nov 2020 09:52

Tgt Ion: 117 Resp: 123743
Ion Ratio Lower Upper
117 100
201 80.8 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 54.443 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

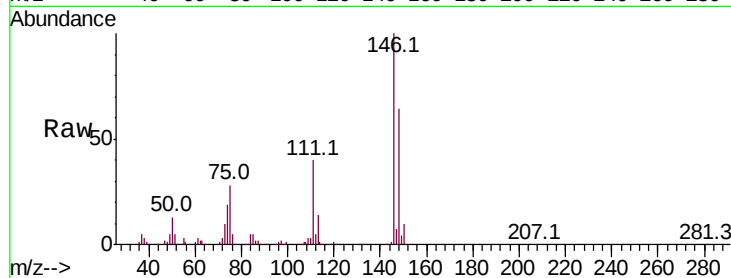
Tot Ion:146 Resp: 271529

Ion Ratio Lower Upper

146 100

111 41.7 20.7 62.1

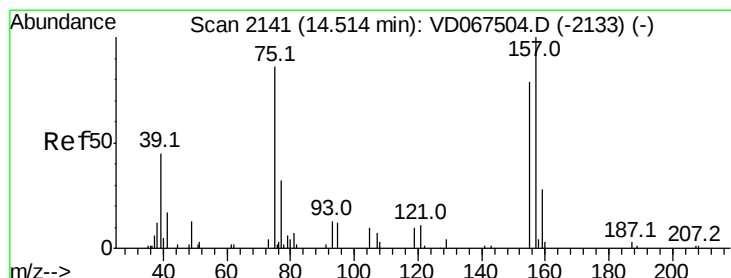
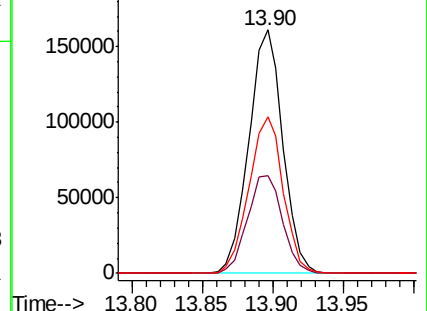
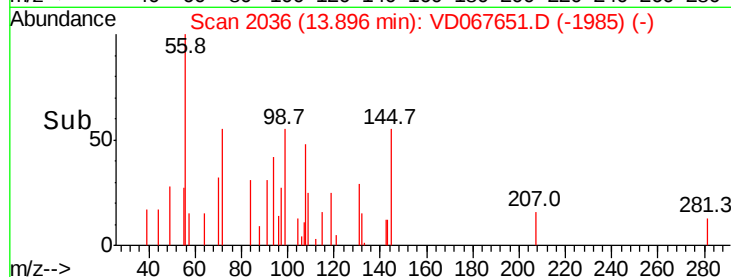
148 65.0 31.5 94.5



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: 55.976 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

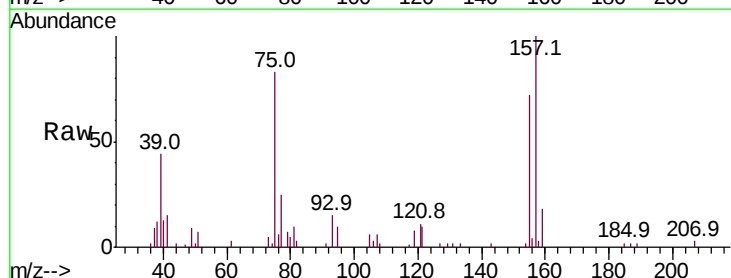
Tgt Ion: 75 Resp: 16619

Ion Ratio Lower Upper

75 100

155 87.4 46.6 139.8

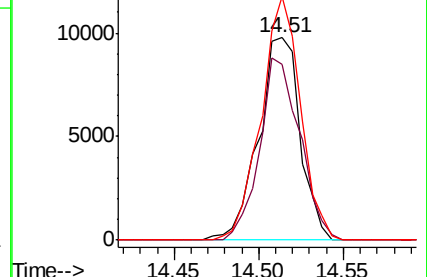
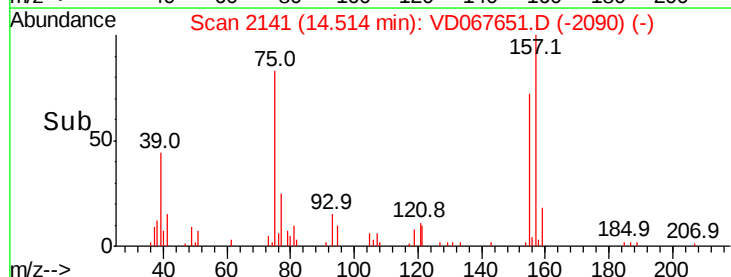
157 113.8 58.1 174.2

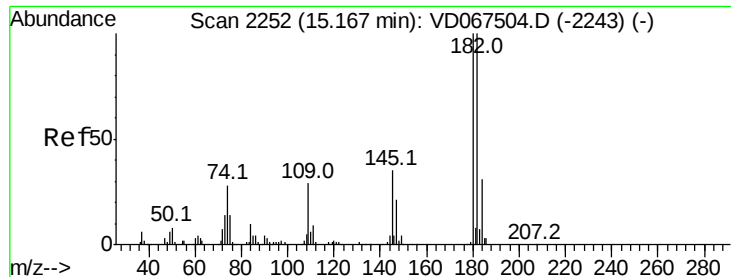


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

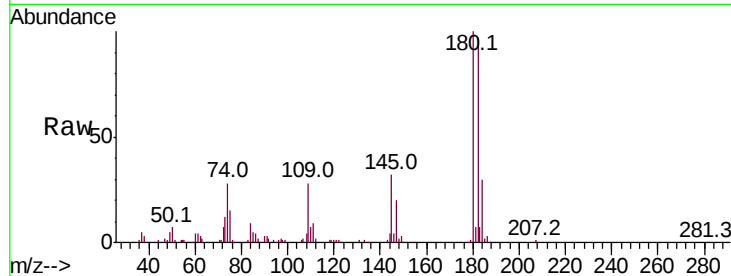




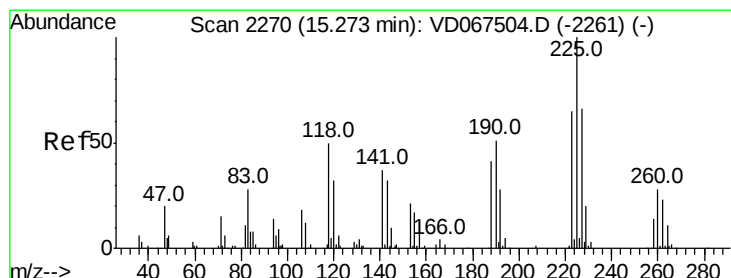
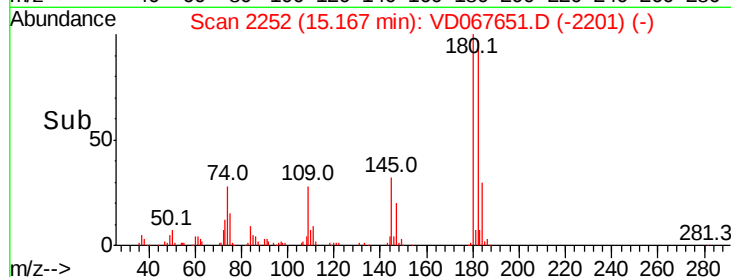
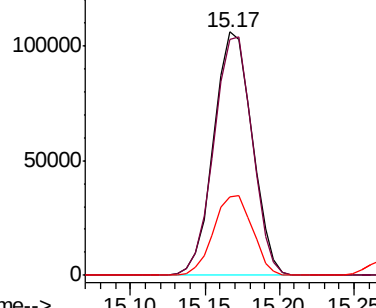
#93
 1,2,4-Trichlorobenzene
 Concen: 55.883 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.4	142.3
145	33.5	16.2	48.6

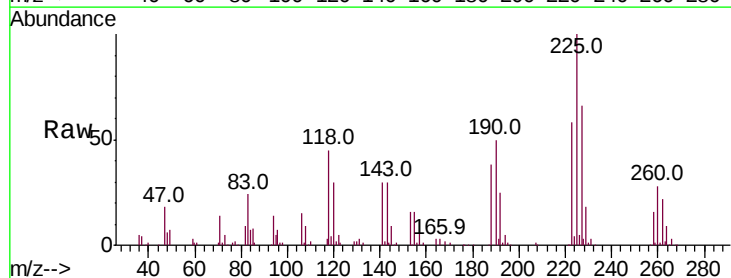


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

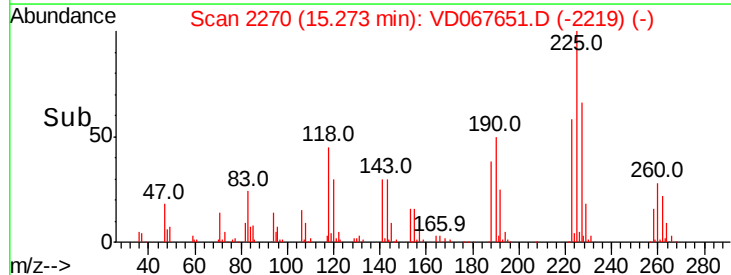
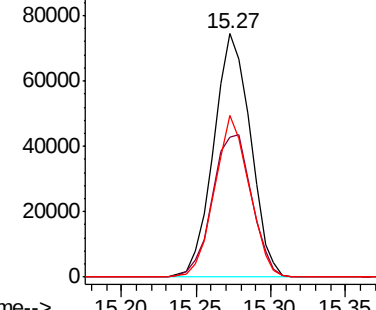


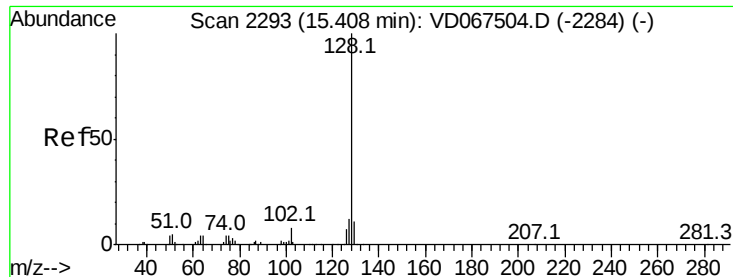
#94
 Hexachlorobutadiene
 Concen: 56.179 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067651.D
 Acq: 17 Nov 2020 09:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	62.2	32.5	97.4



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





#95

Naphthalene

Concen: 55.963 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

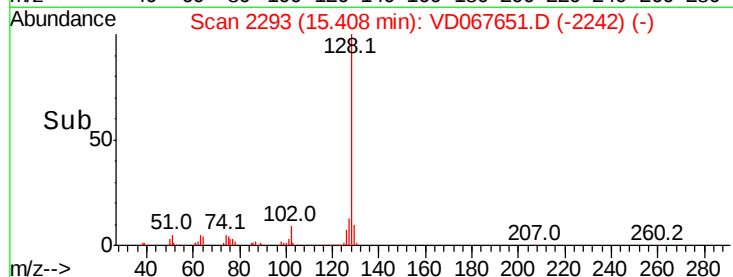
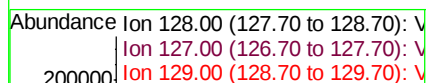
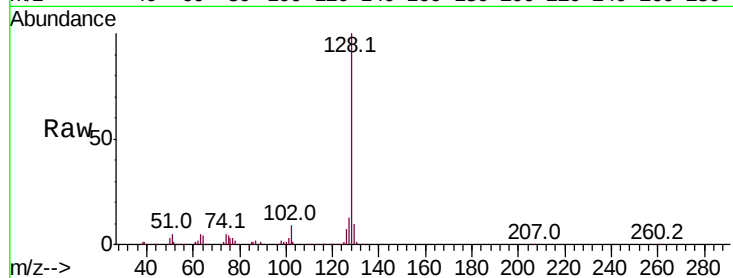
Tot Ion:128 Resp: 292343

Ion Ratio Lower Upper

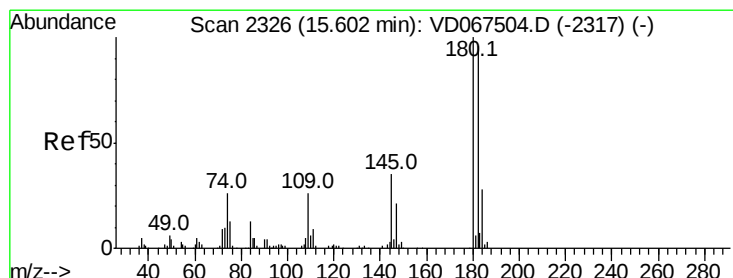
128 100

127 13.9 10.2 15.4

129 10.9 8.9 13.3



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 55.293 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067651.D

Acq: 17 Nov 2020 09:52

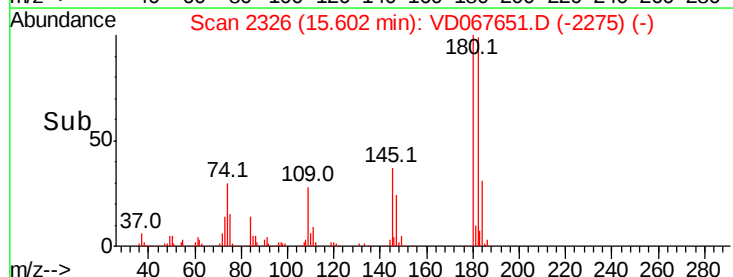
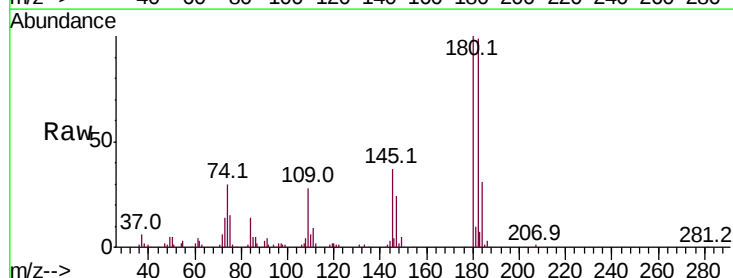
Tgt Ion:180 Resp: 160277

Ion Ratio Lower Upper

180 100

182 92.3 46.9 140.8

145 34.4 17.1 51.2



Time-->