

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067674.D
 Acq On : 18 Nov 2020 09:42
 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 19 00:24:26 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	291637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	402919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188818	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	113768	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
35) Dibromofluoromethane	7.92	113	115454	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	10.34	98	390996	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
62) 4-Bromofluorobenzene	12.64	95	143588	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	113680	47.970	ug/l	99
3) Chloromethane	2.21	50	73170	40.290	ug/l	93
4) Vinyl Chloride	2.36	62	86576	42.759	ug/l	99
5) Bromomethane	2.78	94	71832	43.770	ug/l	98
6) Chloroethane	2.93	64	54907	43.985	ug/l	99
7) Trichlorofluoromethane	3.28	101	252417	48.147	ug/l	93
8) Diethyl Ether	3.71	74	47897	45.341	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	125205	47.313	ug/l	98
10) Methyl Iodide	4.30	142	134948	47.579	ug/l	100
11) Tert butyl alcohol	5.21	59	35087	325.378	ug/l	98
12) 1,1-Dichloroethene	4.07	96	115896	47.612	ug/l	94
13) Acrolein	3.93	56	23453	212.063	ug/l	96
14) Allyl chloride	4.71	41	120405	46.218	ug/l	99
15) Acrylonitrile	5.43	53	91785	235.047	ug/l	97
16) Acetone	4.16	43	102426	268.412	ug/l	100
17) Carbon Disulfide	4.41	76	318063	42.642	ug/l	100
18) Methyl Acetate	4.71	43	35549	45.081	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	236540	49.265	ug/l	95
20) Methylene Chloride	4.97	84	127945	47.465	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	135703	47.865	ug/l	97
22) Diisopropyl ether	6.36	45	245865	48.430	ug/l	97
23) Vinyl Acetate	6.31	43	662914	249.459	ug/l	96
24) 1,1-Dichloroethane	6.27	63	196133	47.224	ug/l	98
25) 2-Butanone	7.21	43	98324	241.138	ug/l	100
26) 2,2-Dichloropropane	7.21	77	221717	50.582	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	146516	49.789	ug/l	99
28) Bromochloromethane	7.55	49	72561	49.117	ug/l	92
29) Tetrahydrofuran	7.56	42	59455	243.425	ug/l	98
30) Chloroform	7.71	83	247304	49.912	ug/l	100
31) Cyclohexane	7.99	56	163800	44.288	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	253604	49.607	ug/l	99
36) 1,1-Dichloropropene	8.11	75	181175	52.531	ug/l	99
37) Ethyl Acetate	7.29	43	47480	53.026	ug/l #	95
38) Carbon Tetrachloride	8.10	117	256466	57.233	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210273	51.800	ug/l	99
40) Benzene	8.36	78	500184	53.540	ug/l	99
41) Methacrylonitrile	7.53	41	26812	50.095	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	156067	54.069	ug/l	99
43) Isopropyl Acetate	8.46	43	90661	51.197	ug/l	98
44) Trichloroethene	9.11	130	156917	51.083	ug/l	95
45) 1,2-Dichloropropane	9.39	63	105062	52.014	ug/l	96
46) Dibromomethane	9.48	93	67672	52.692	ug/l	98
47) Bromodichloromethane	9.66	83	183690	52.623	ug/l	96
48) Methyl methacrylate	9.46	41	43574	47.657	ug/l	89
49) 1,4-Dioxane	9.47	88	12282	942.034	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	223287	263.650	ug/l	98
52) Toluene	10.41	92	341315	54.545	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	164196	54.922	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	188489	53.065	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	91674	53.949	ug/l	98
56) Ethyl methacrylate	10.66	69	93762	53.432	ug/l	98
57) 1,3-Dichloropropane	10.95	76	147436	53.918	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	224171	273.944	ug/l	98
59) 2-Hexanone	10.99	43	168415	284.409	ug/l	98
60) Dibromochloromethane	11.14	129	137147	54.560	ug/l	99
61) 1,2-Dibromoethane	11.25	107	89478	52.466	ug/l	99
64) Tetrachloroethene	10.88	164	142457	52.068	ug/l	94
65) Chlorobenzene	11.67	112	377734	53.081	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	148755	53.037	ug/l	99
67) Ethyl Benzene	11.75	91	657991	54.034	ug/l	99
68) m/p-Xylenes	11.86	106	512411	108.161	ug/l	98
69) o-Xylene	12.18	106	232026	54.856	ug/l	100
70) Styrene	12.20	104	403404	54.733	ug/l	99
71) Bromoform	12.37	173	78014	54.539	ug/l #	99
73) Isopropylbenzene	12.48	105	658561	53.967	ug/l	100
74) N-amyl acetate	12.29	43	79886	49.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	84981	51.070	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	118578	104.102	ug/l #	100
77) Bromobenzene	12.77	156	156770	52.311	ug/l	98
78) n-propylbenzene	12.83	91	752533	53.914	ug/l	99
79) 2-Chlorotoluene	12.91	91	429110	54.120	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	569804	54.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26027	46.391	ug/l	93
82) 4-Chlorotoluene	13.01	91	454772	53.479	ug/l	99
83) tert-Butylbenzene	13.23	119	481947	54.551	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	558321	53.806	ug/l	98
85) sec-Butylbenzene	13.41	105	641661	53.801	ug/l	99
86) p-Isopropyltoluene	13.52	119	612049	53.143	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	296224	51.801	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	295054	50.956	ug/l	100
89) n-Butylbenzene	13.85	91	530992	53.377	ug/l	99
90) Hexachloroethane	14.12	117	113200	52.193	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	258358	52.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15069	51.147	ug/l	96

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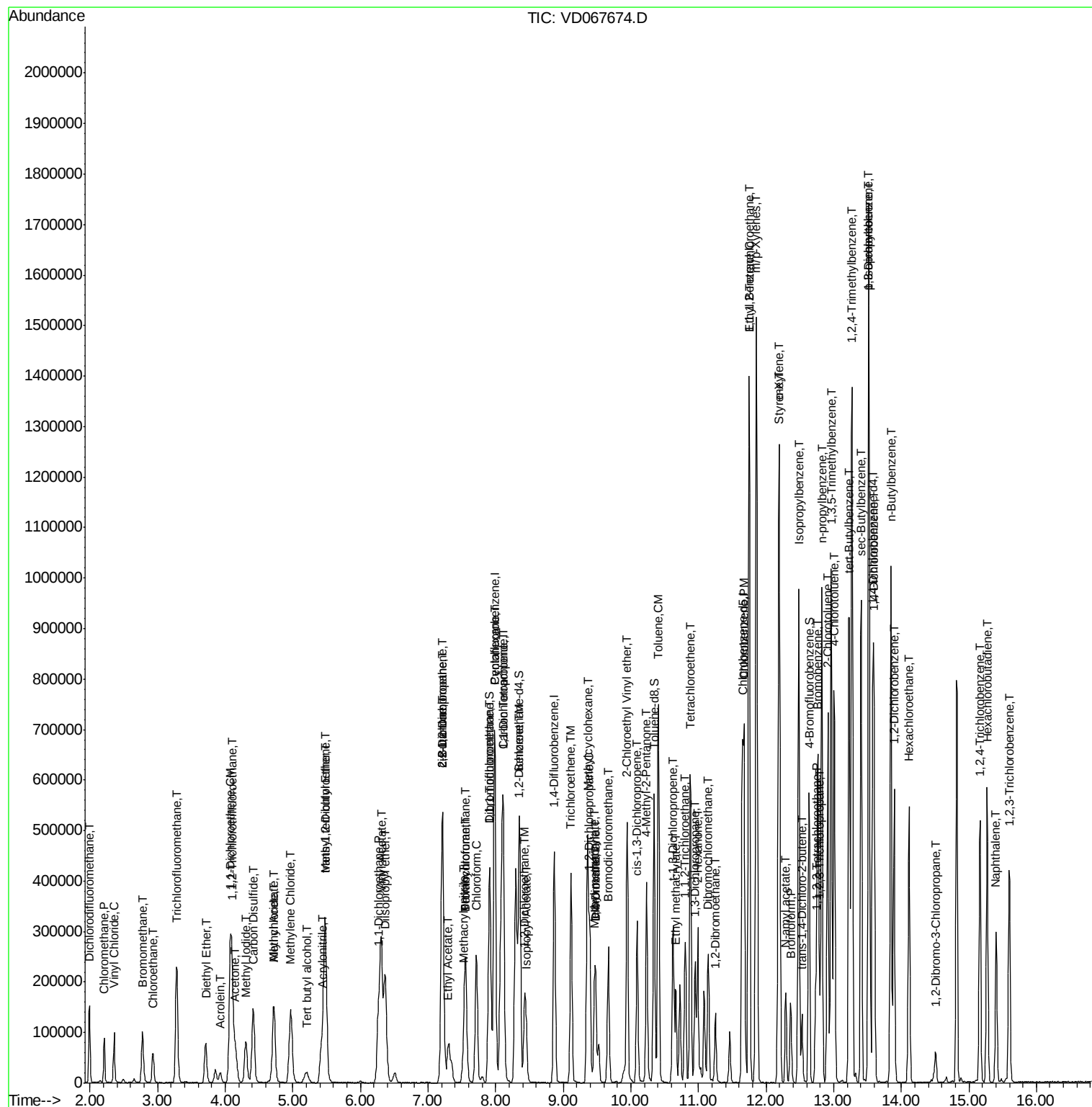
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	176645	52.587	ug/l	100
94) Hexachlorobutadiene	15.27	225	115095	51.196	ug/l	98
95) Naphthalene	15.41	128	277420	53.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	149165	51.856	ug/l	100

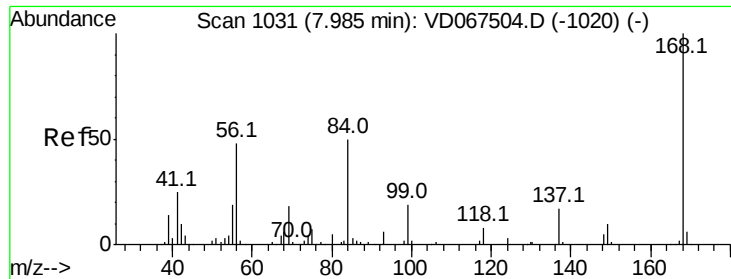
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

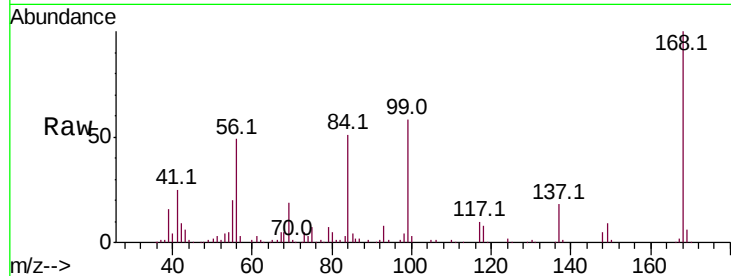
VSTDCCC050

Tot Ion:168 Resp: 291637

Ion Ratio Lower Upper

168 100

99 57.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

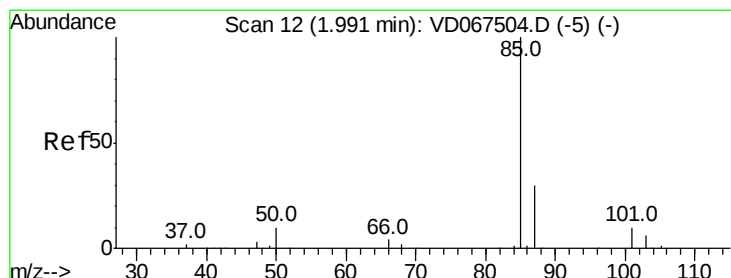
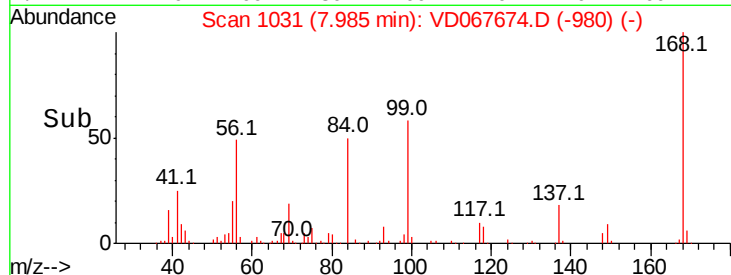
100000

50000

0

7.90 7.98 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.970 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067674.D

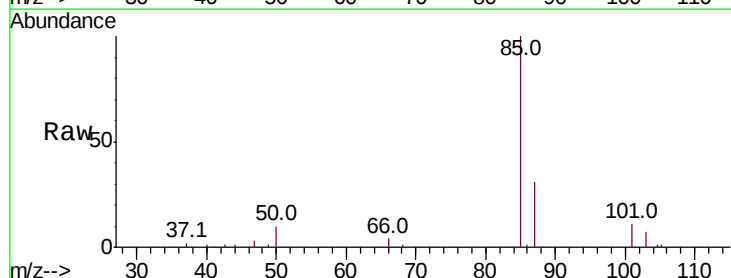
Acq: 18 Nov 2020 09:42

Tgt Ion: 85 Resp: 113680

Ion Ratio Lower Upper

85 100

87 31.1 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

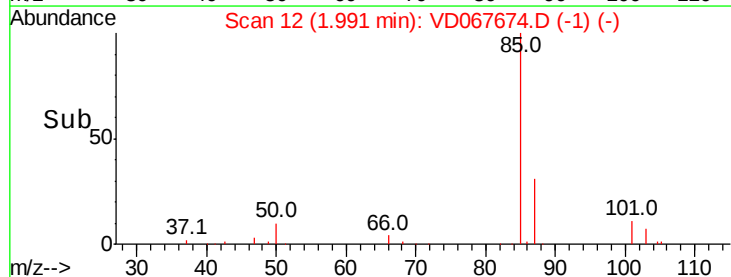
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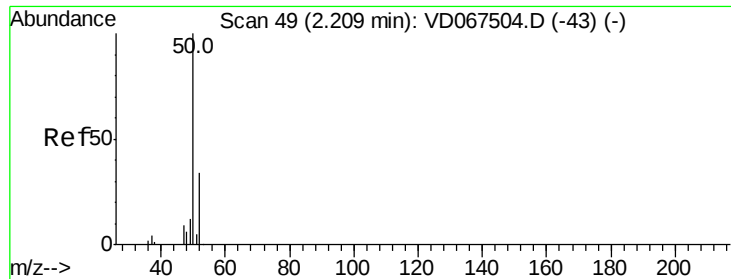
20000

0

1.90 1.95 1.99 2.05 2.10

Time-->





#3

Chloromethane

Concen: 40.290 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

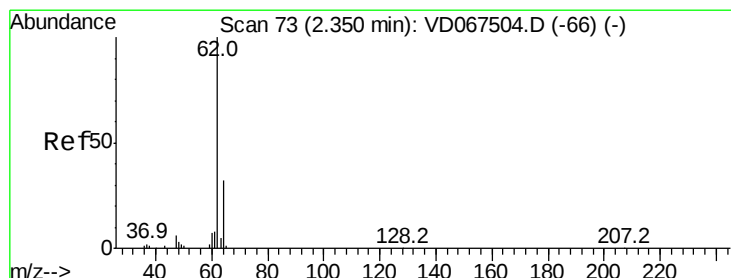
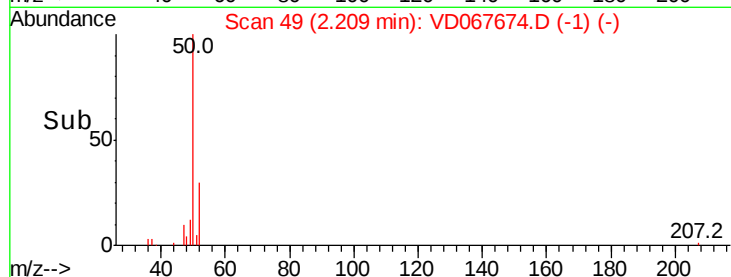
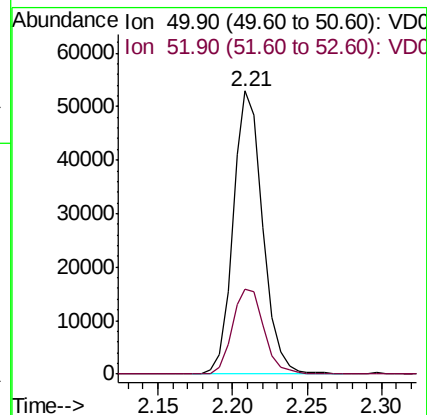
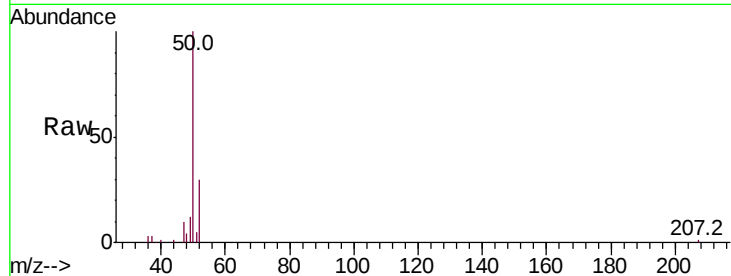
VSTDCCC050

Tot Ion: 50 Resp: 73170

Ion Ratio Lower Upper

50 100

52 29.8 27.3 40.9



#4

Vinyl Chloride

Concen: 42.759 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067674.D

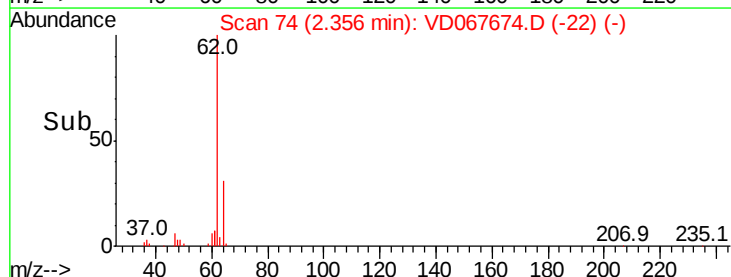
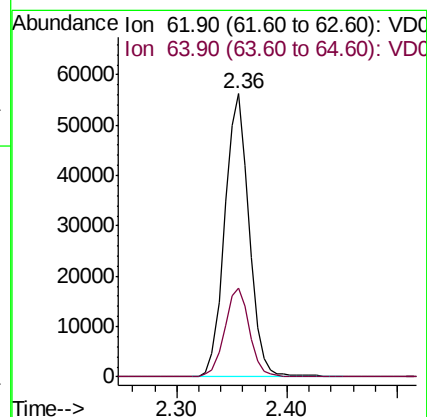
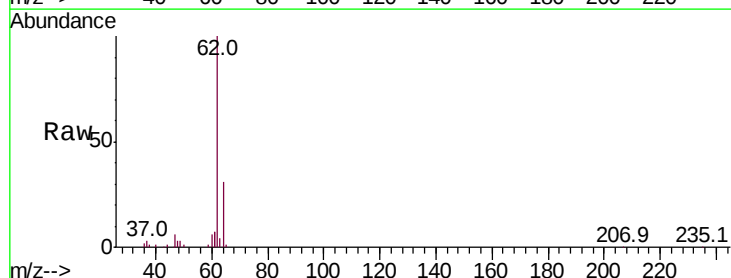
Acq: 18 Nov 2020 09:42

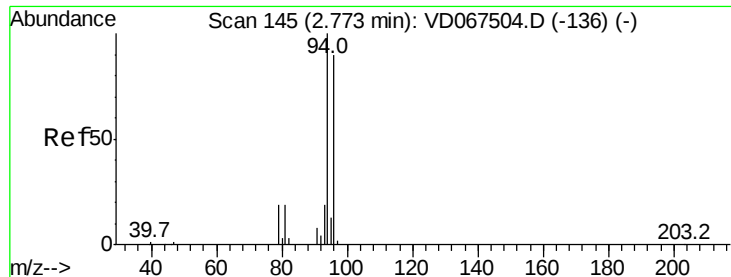
Tgt Ion: 62 Resp: 86576

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 43.770 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

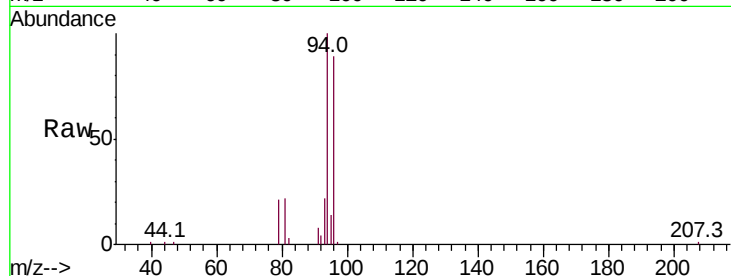
VSTDCCC050

Tot Ion: 94 Resp: 71832

Ion Ratio Lower Upper

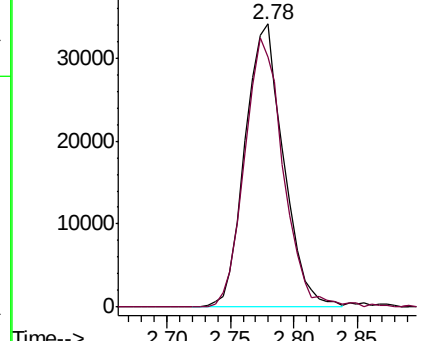
94 100

96 88.5 72.2 108.2

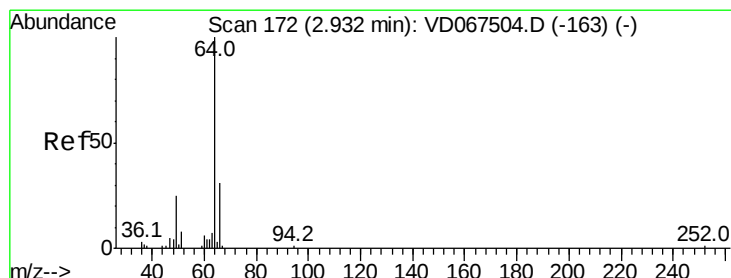
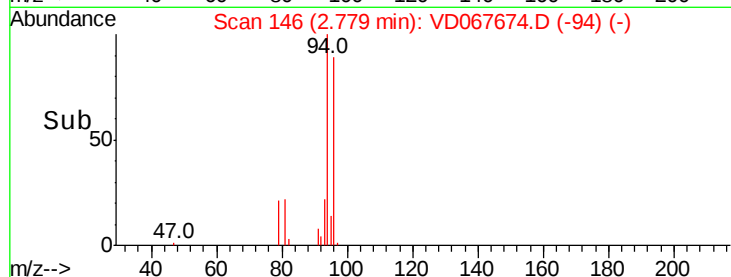


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 43.985 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD067674.D

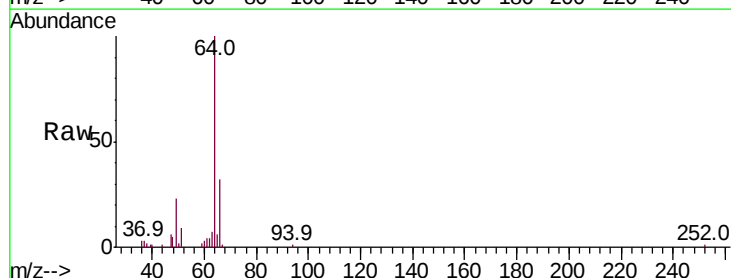
Acq: 18 Nov 2020 09:42

Tgt Ion: 64 Resp: 54907

Ion Ratio Lower Upper

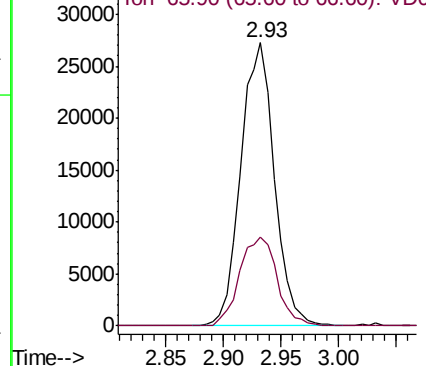
64 100

66 31.5 24.6 36.8

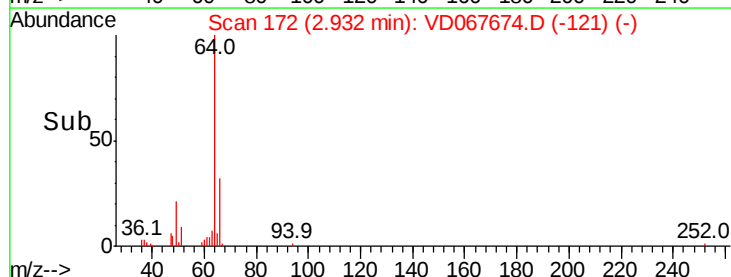


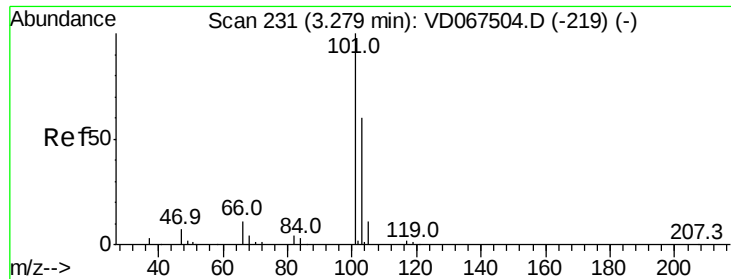
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



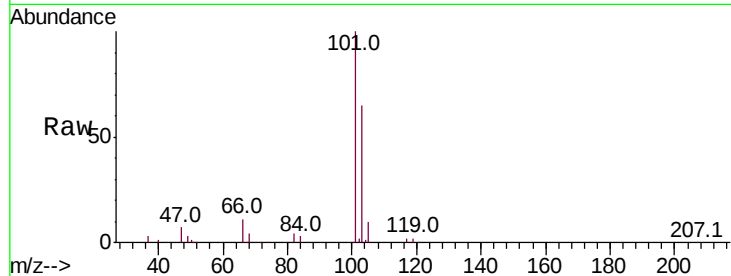


#7

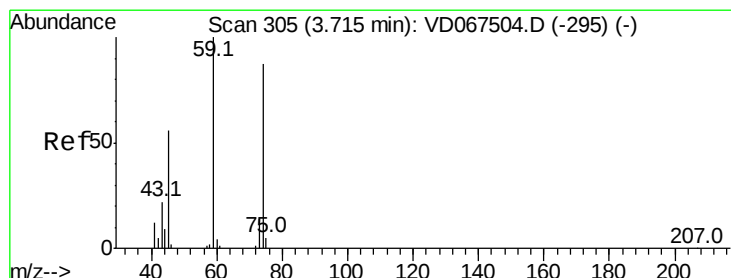
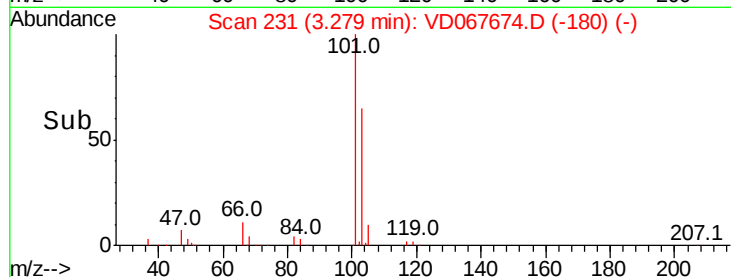
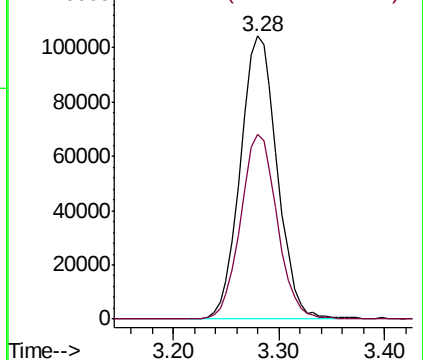
Trichlorofluoromethane
Concen: 48.147 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067674.D
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Tot Ion:101 Resp: 252417
Ion Ratio Lower Upper
101 100
103 65.4 48.1 72.1



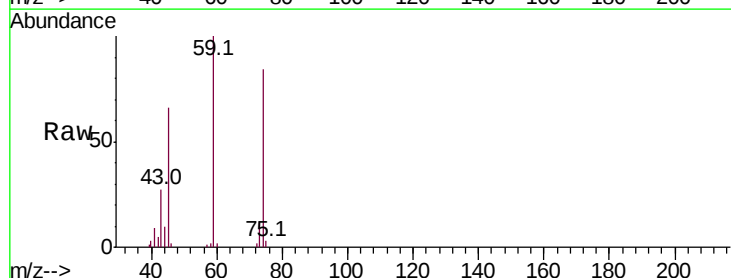
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



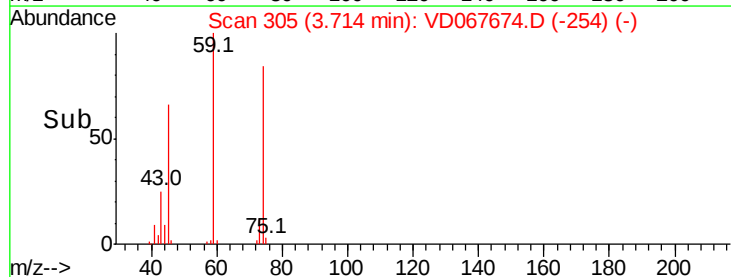
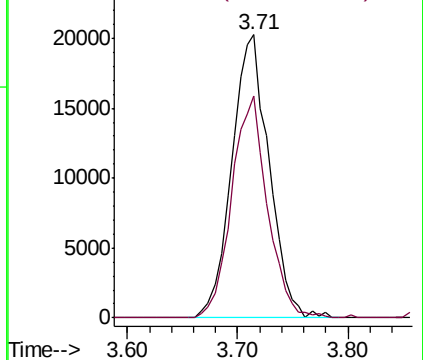
#8

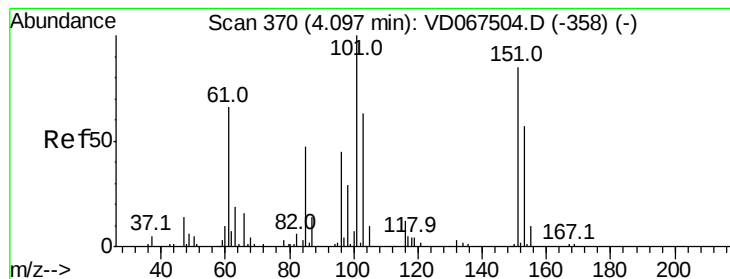
Diethyl Ether
Concen: 45.341 ug/l
RT: 3.71 min Scan# 305
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 74 Resp: 47897
Ion Ratio Lower Upper
74 100
45 75.3 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: 47.313 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

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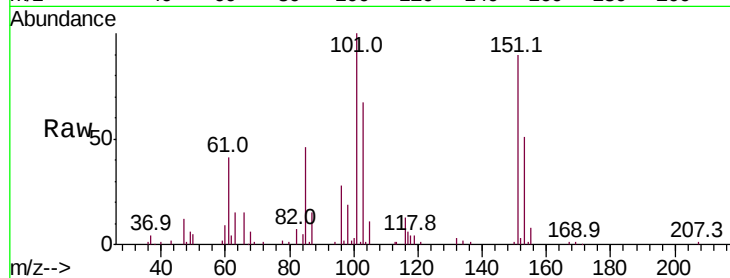
Tot Ion:101 Resp: 125205

Ion Ratio Lower Upper

101 100

85 44.3 34.4 51.6

151 87.3 68.1 102.1

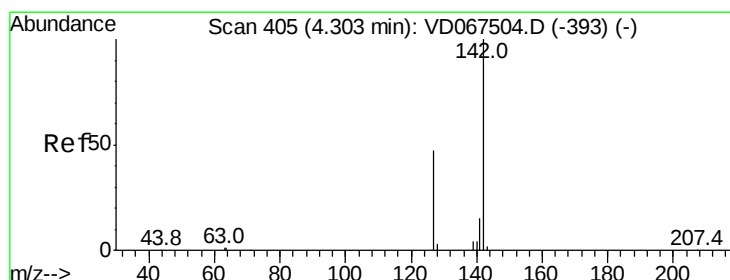
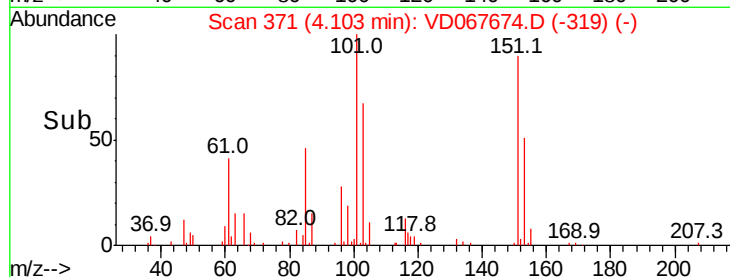
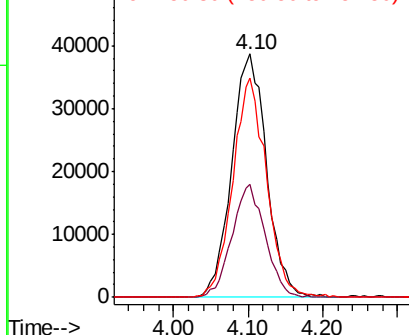


Abundance

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: 47.579 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

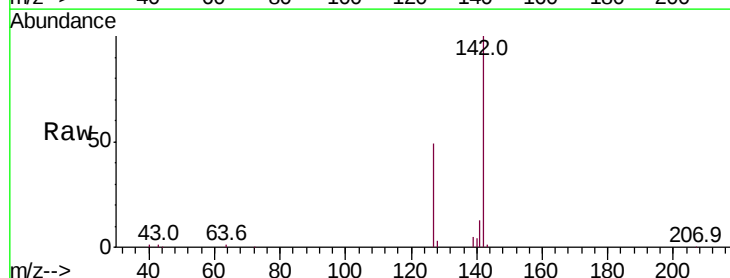
Tgt Ion:142 Resp: 134948

Ion Ratio Lower Upper

142 100

127 50.1 40.0 60.0

141 14.4 11.7 17.5

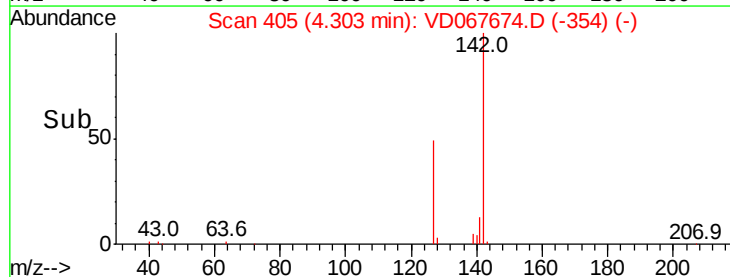
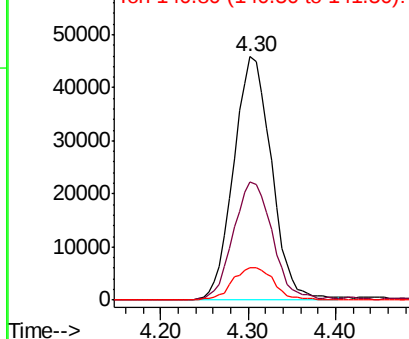


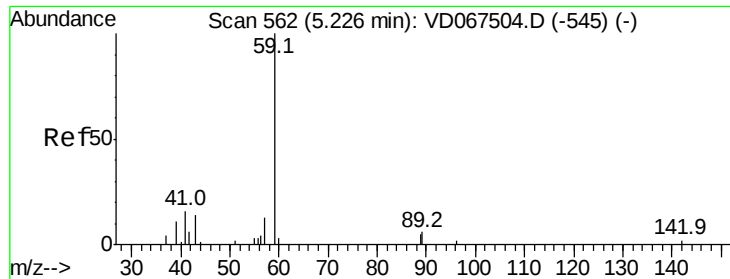
Abundance

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: 325.378 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

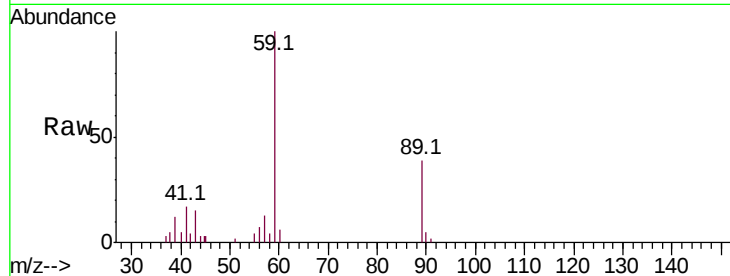
VSTDCCC050

Tot Ion: 59 Resp: 35087

Ion Ratio Lower Upper

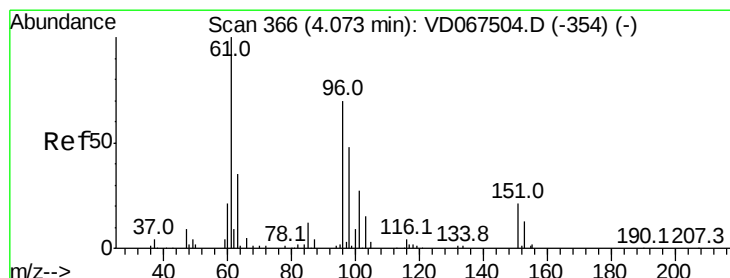
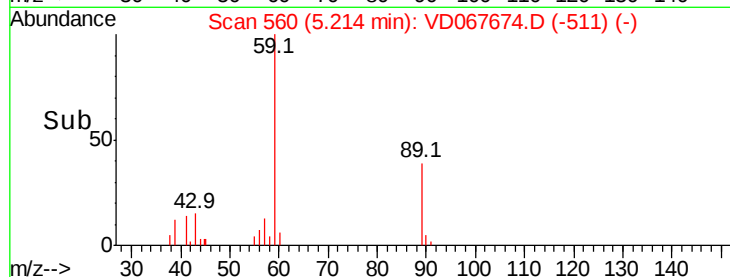
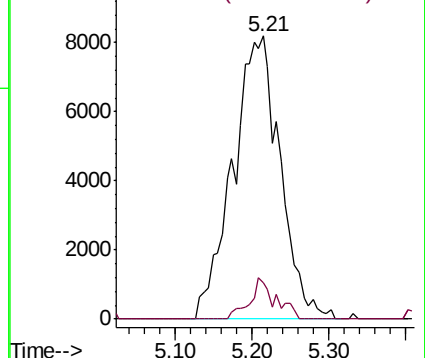
59 100

57 8.0 5.9 8.9



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 47.612 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

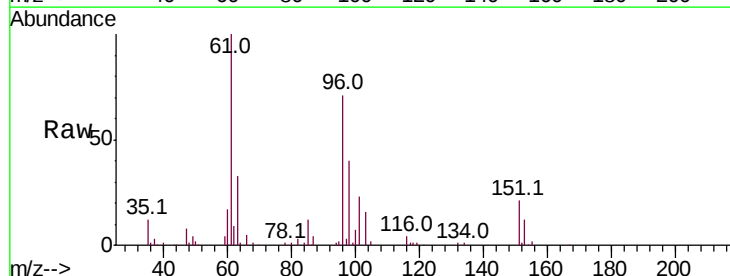
Tgt Ion: 96 Resp: 115896

Ion Ratio Lower Upper

96 100

61 140.5 114.5 171.7

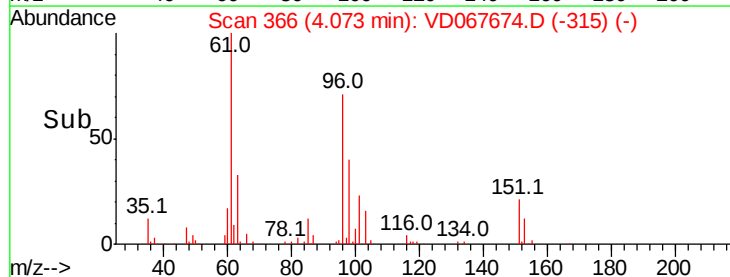
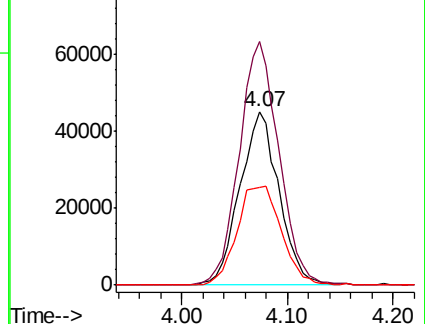
98 56.7 54.5 81.7

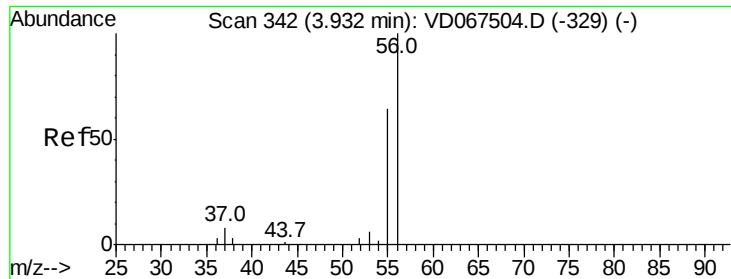


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 212.063 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

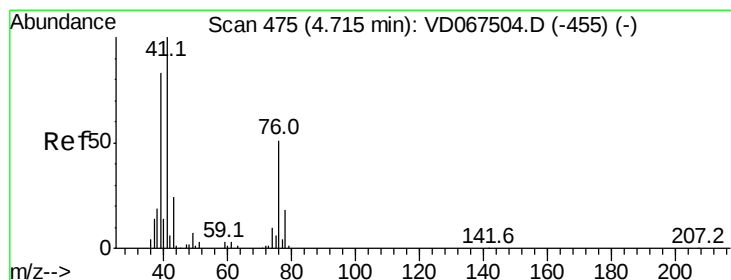
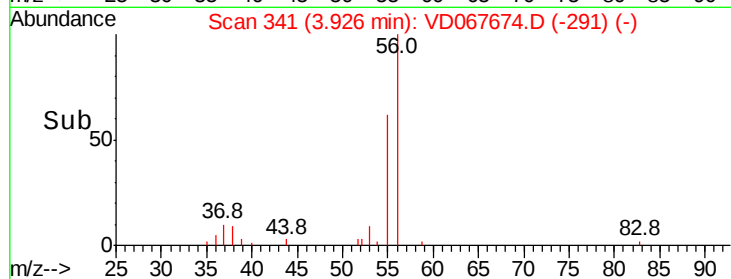
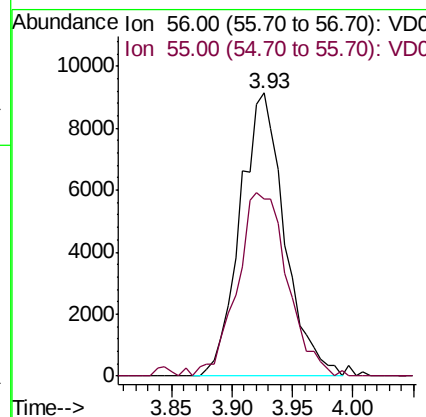
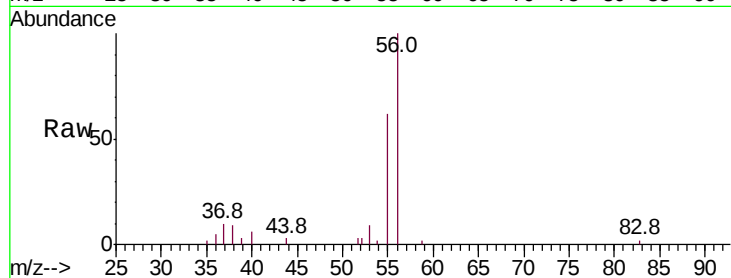
VSTDCCC050

Tot Ion: 56 Resp: 23453

Ion Ratio Lower Upper

56 100

55 73.1 55.8 83.8



#14

Allyl chloride

Concen: 46.218 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

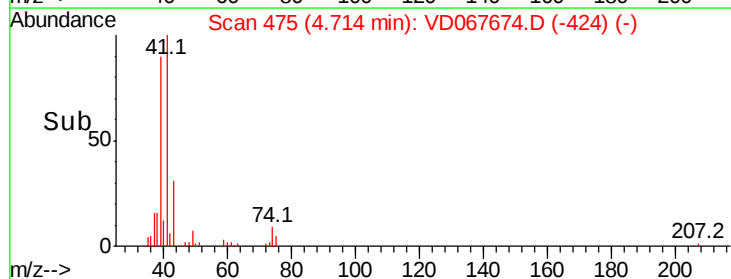
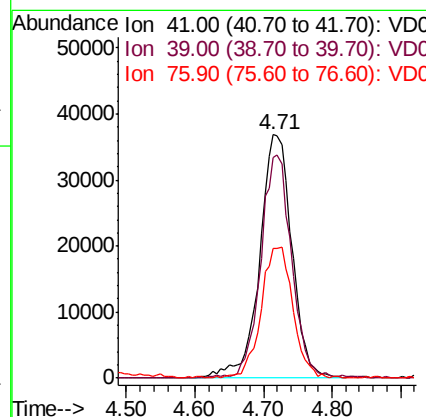
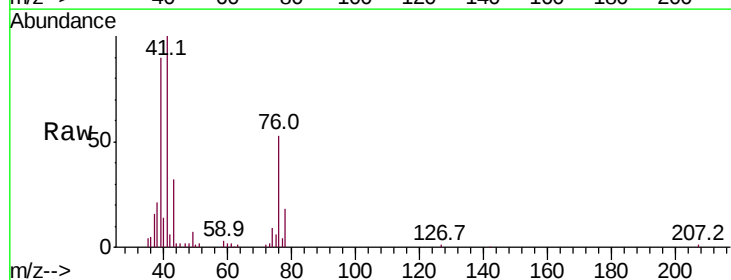
Tgt Ion: 41 Resp: 120405

Ion Ratio Lower Upper

41 100

39 85.5 67.4 101.0

76 52.9 42.2 63.2





#15

Acrylonitrile

Concen: 235.047 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

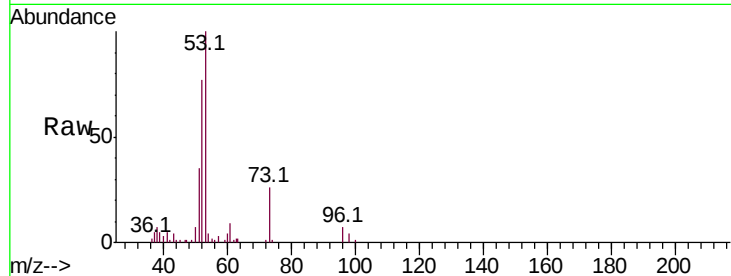
Tot Ion: 53 Resp: 91785

Ion Ratio Lower Upper

53 100

52 82.5 64.8 97.2

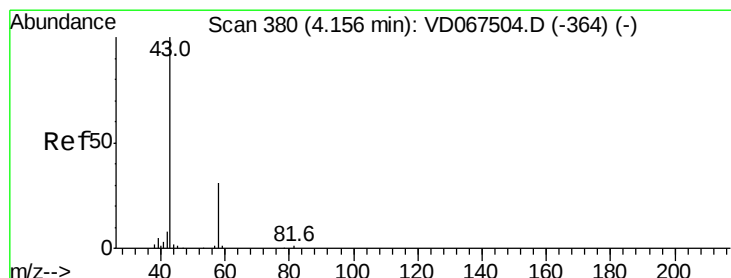
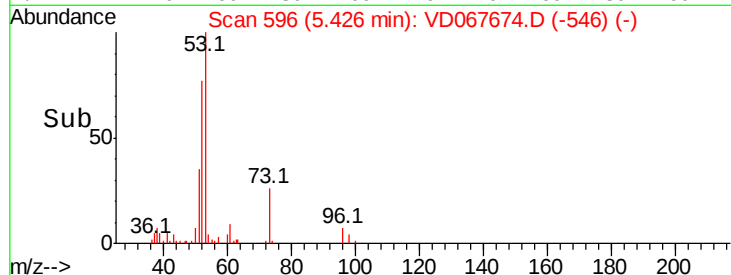
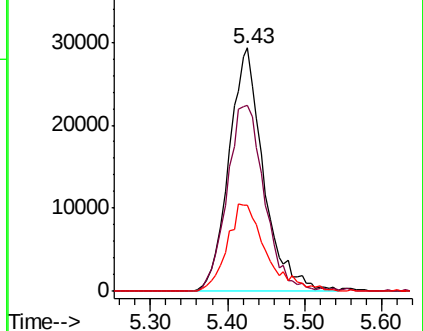
51 40.1 29.5 44.3



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: 268.412 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067674.D

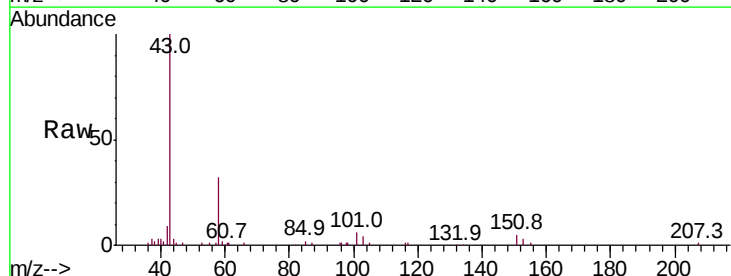
Acq: 18 Nov 2020 09:42

Tgt Ion: 43 Resp: 102426

Ion Ratio Lower Upper

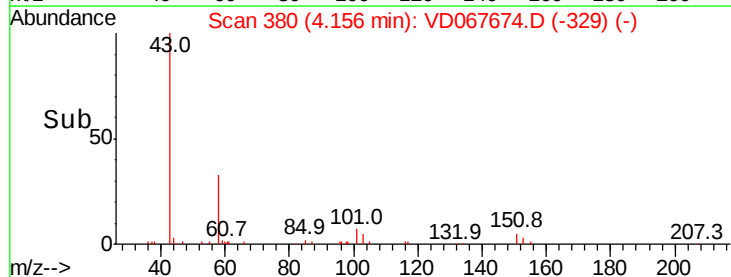
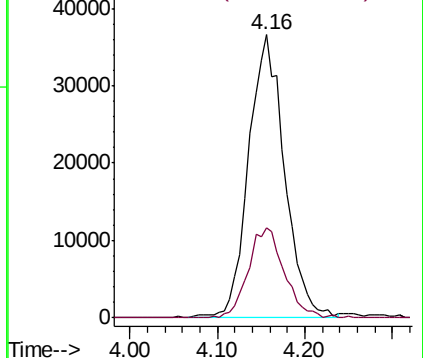
43 100

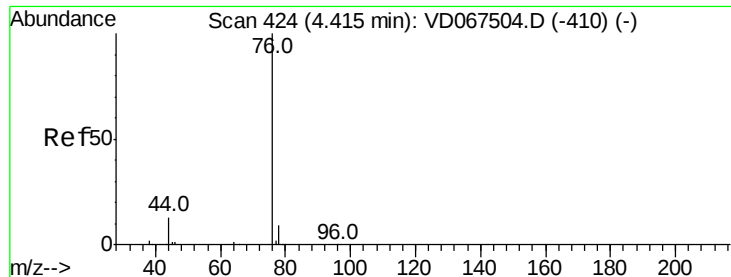
58 31.8 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

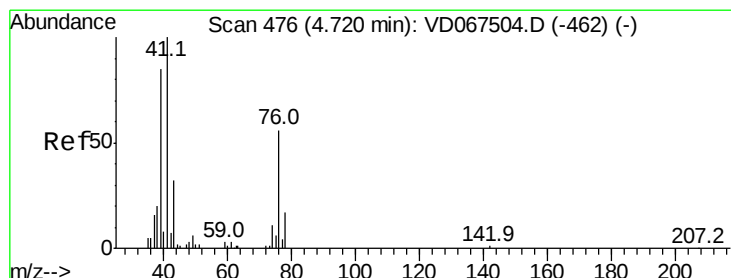
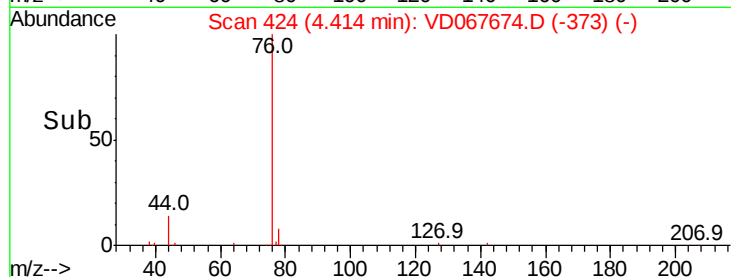
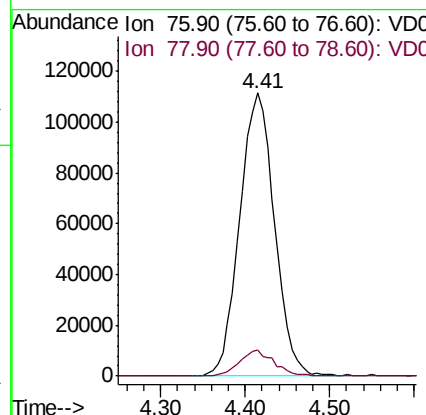
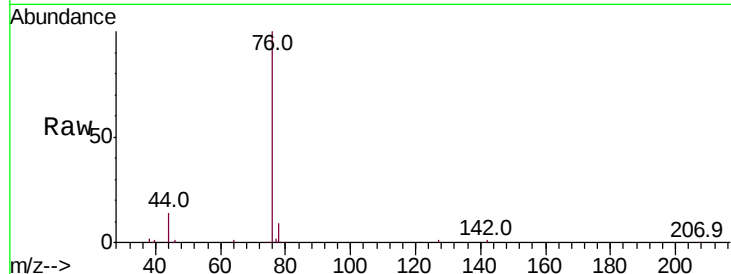




#17
Carbon Disulfide
Concen: 42.642 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

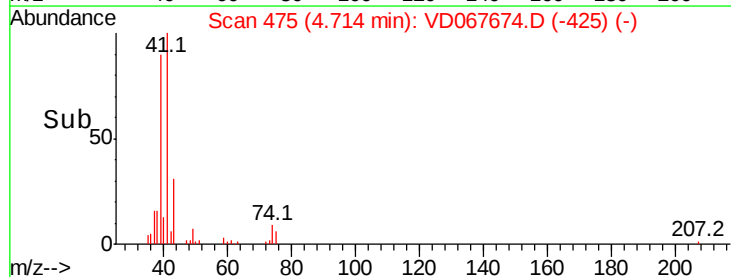
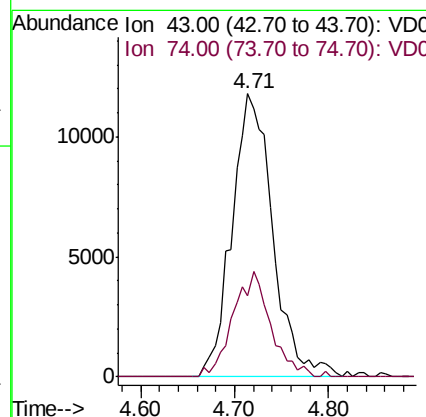
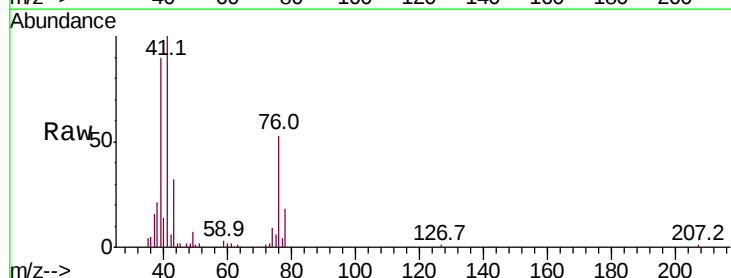
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

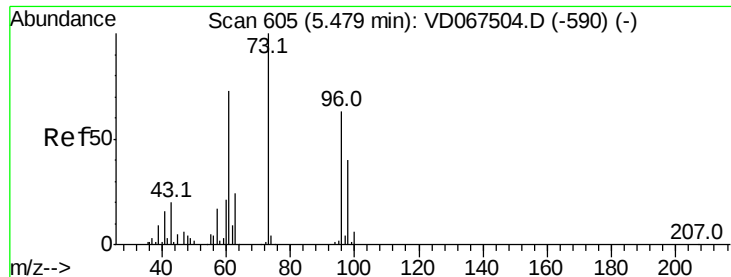
Tot Ion: 76 Resp: 318063
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 45.081 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 43 Resp: 35549
Ion Ratio Lower Upper
43 100
74 34.2 27.2 40.8

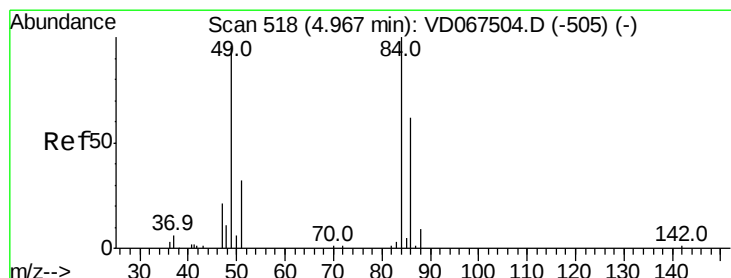
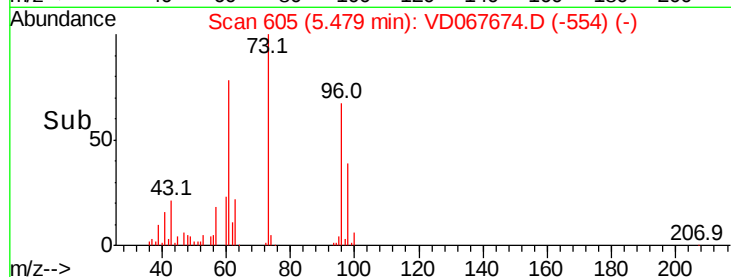
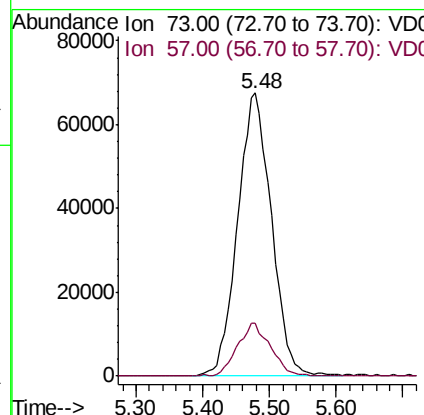
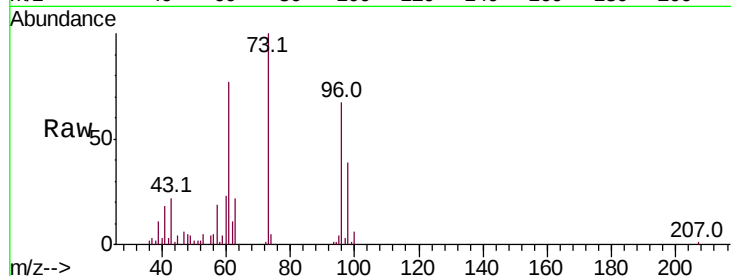




#19
Methvl tert-butvl Ether
Concen: 49.265 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

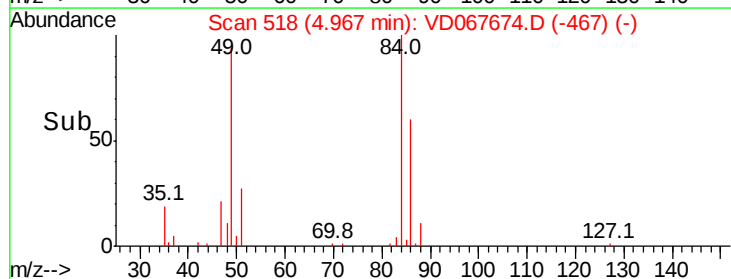
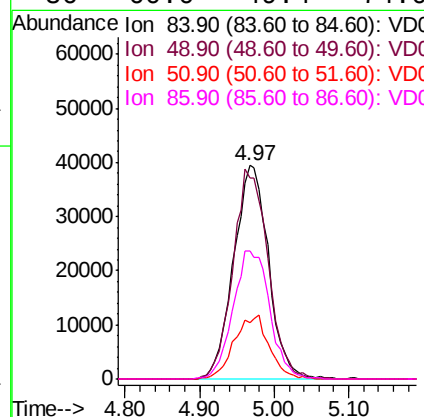
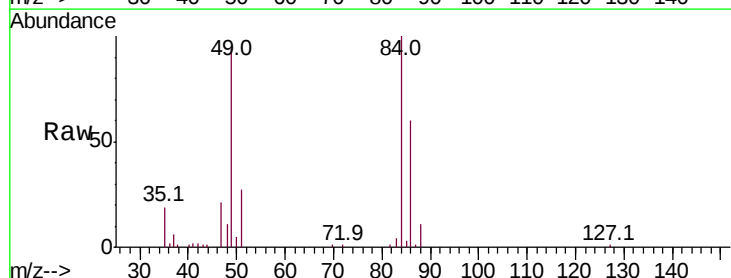
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

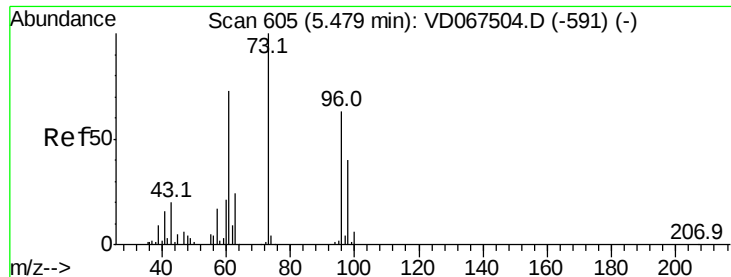
Tot Ion: 73 Resp: 236540
Ion Ratio Lower Upper
73 100
57 18.8 13.4 20.0



#20
Methylene Chloride
Concen: 47.465 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 84 Resp: 127945
Ion Ratio Lower Upper
84 100
49 93.9 77.0 115.4
51 26.6 25.4 38.2
86 60.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.865 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

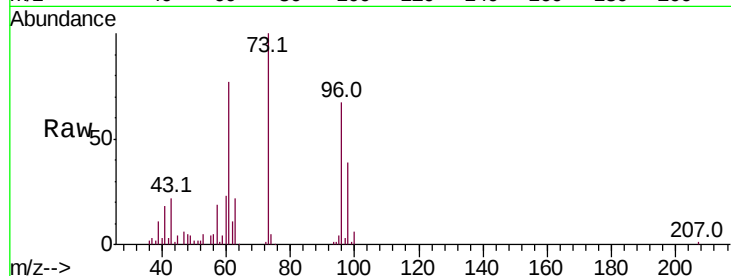
Tot Ion: 96 Resp: 135703

Ion Ratio Lower Upper

96 100

61 116.1 93.0 139.6

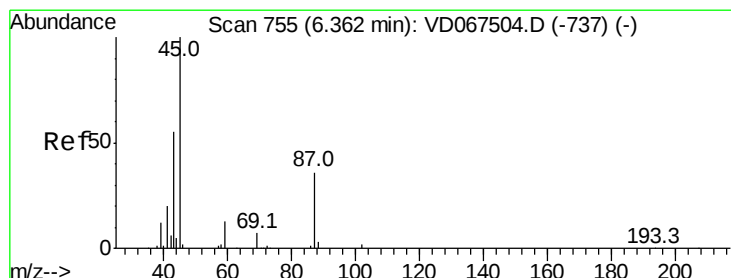
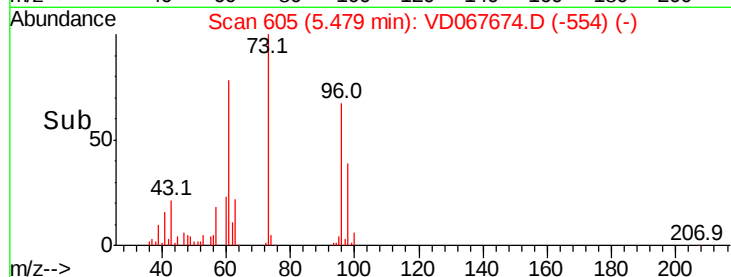
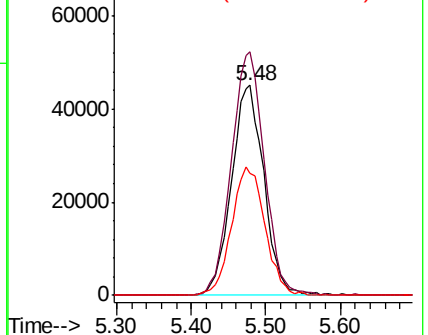
98 58.2 50.9 76.3



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: 48.430 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion: 45 Resp: 245865

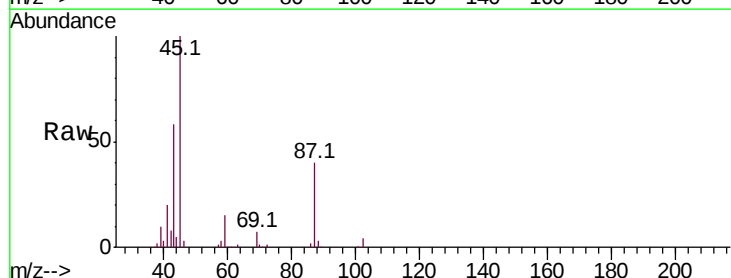
Ion Ratio Lower Upper

45 100

43 56.3 46.2 69.4

87 40.1 29.4 44.2

59 14.5 10.8 16.2

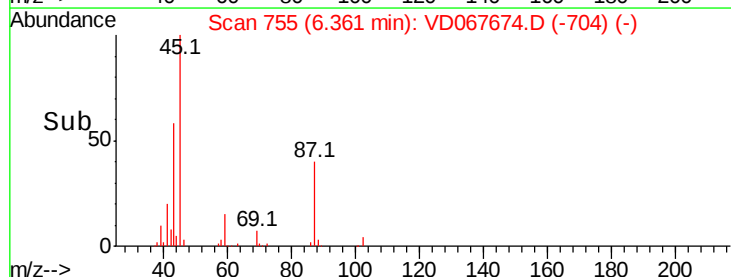
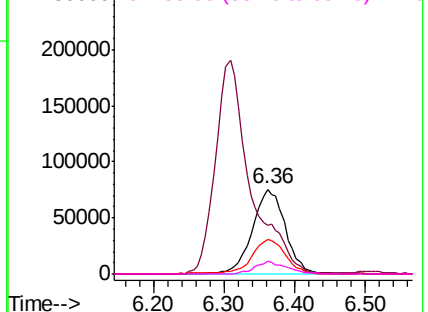


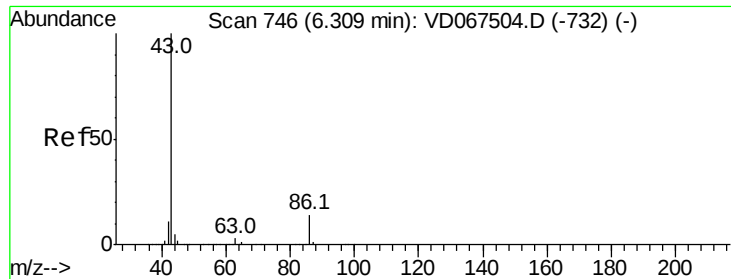
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 249.459 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

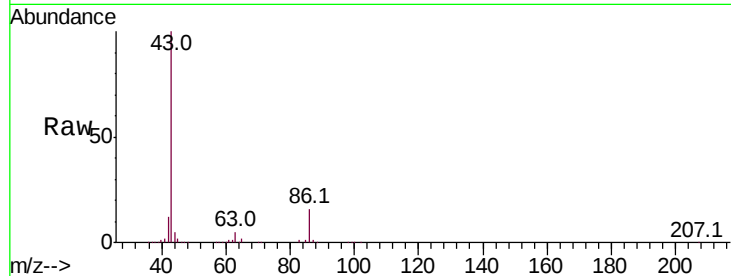
VSTDCCC050

Tot Ion: 43 Resp: 662914

Ion Ratio Lower Upper

43 100

86 16.0 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

150000

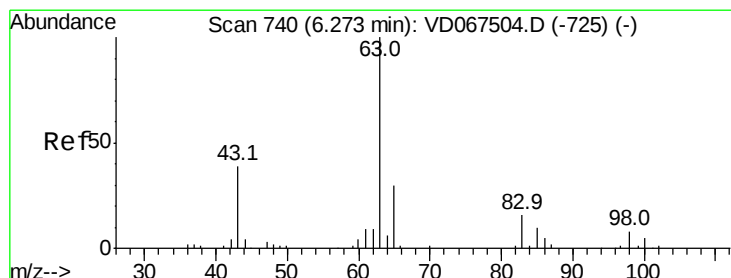
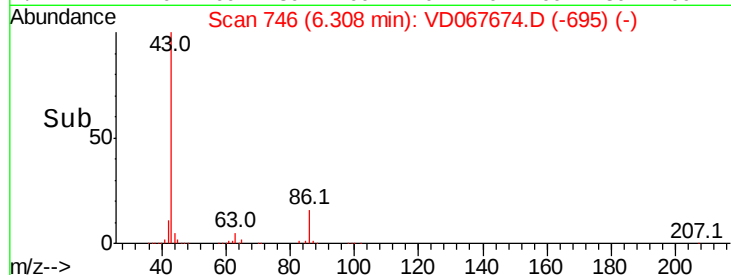
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 47.224 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

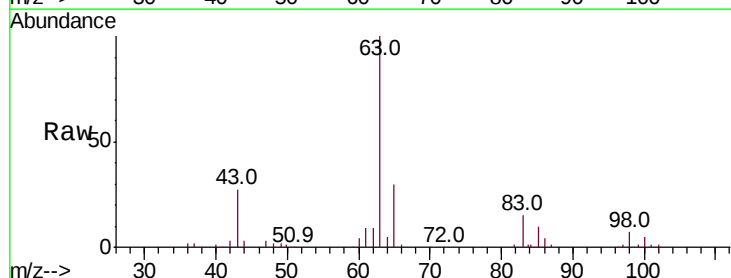
Tgt Ion: 63 Resp: 196133

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 5.1 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

6.27

80000

60000

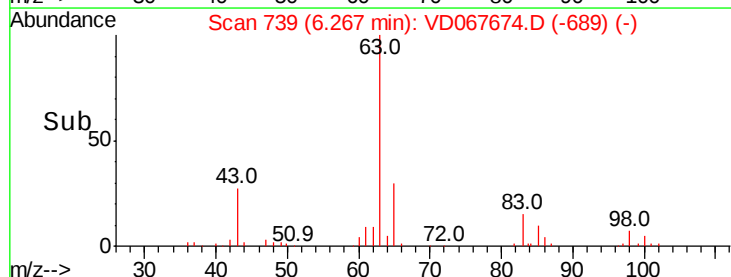
40000

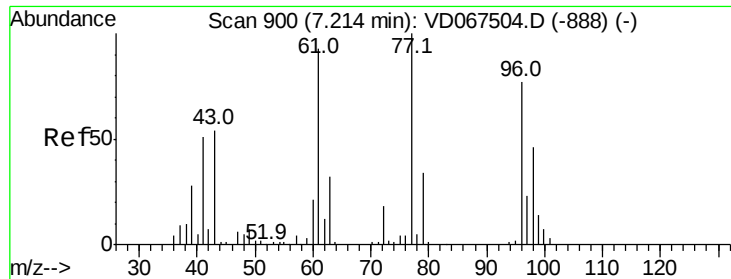
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 241.138 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

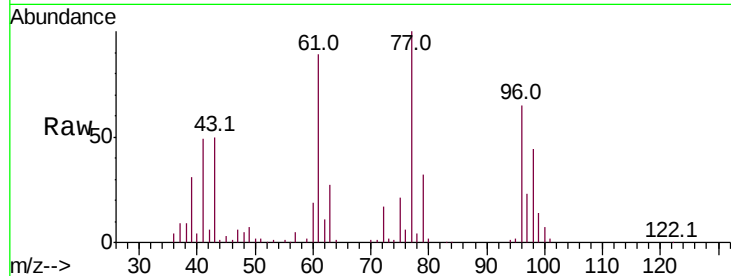
VSTDCCC050

Tot Ion: 43 Resp: 98324

Ion Ratio Lower Upper

43 100

72 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

40000

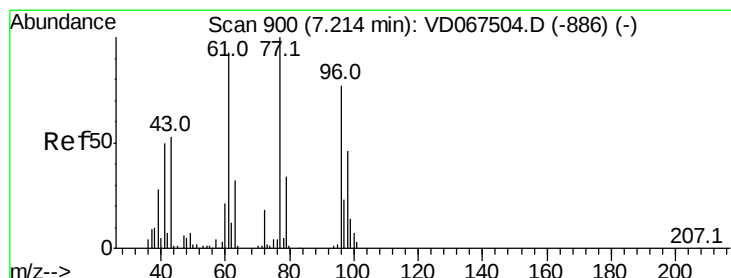
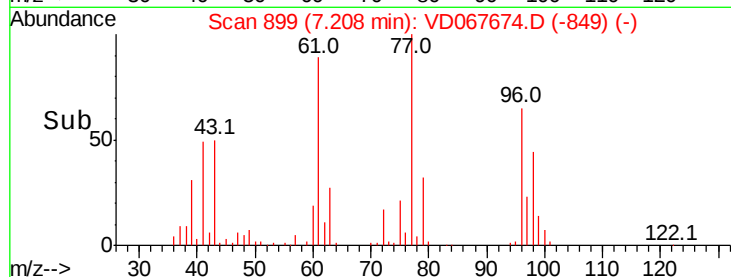
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 50.582 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067674.D

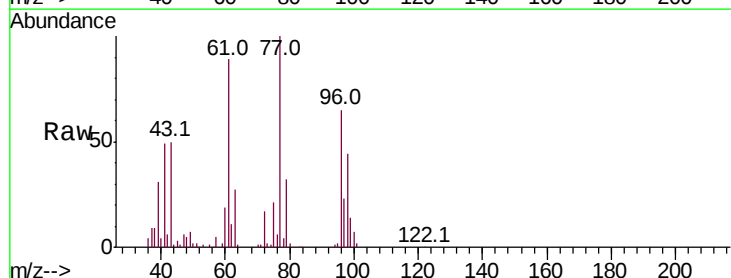
Acq: 18 Nov 2020 09:42

Tgt Ion: 77 Resp: 221717

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

80000

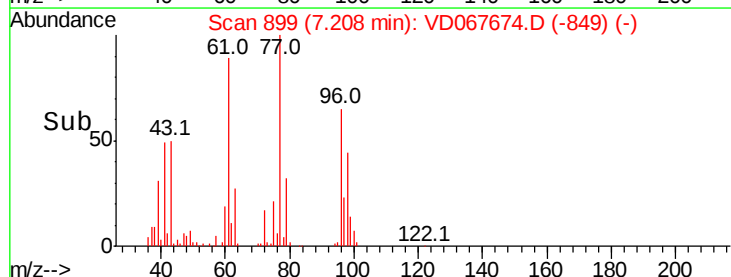
60000

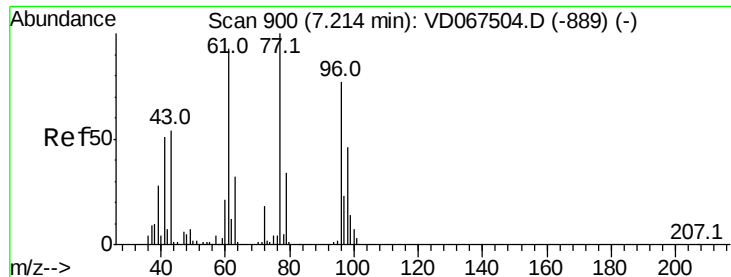
40000

20000

0

Time--> 7.10 7.20 7.30





#27

cis-1,2-Dichloroethene

Concen: 49.789 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

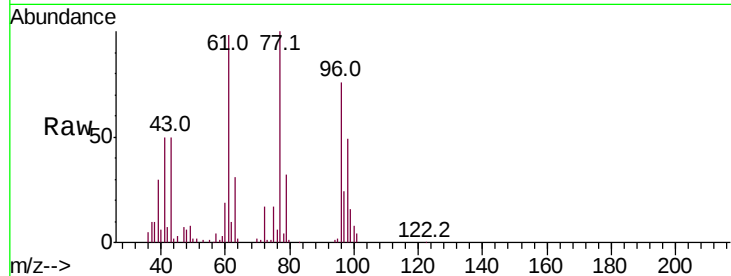
Tot Ion: 96 Resp: 146516

Ion Ratio Lower Upper

96 100

61 127.8 0.0 251.6

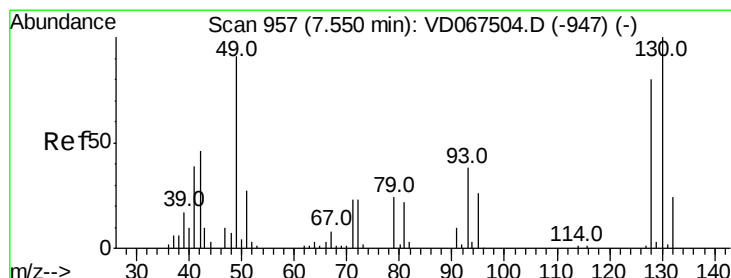
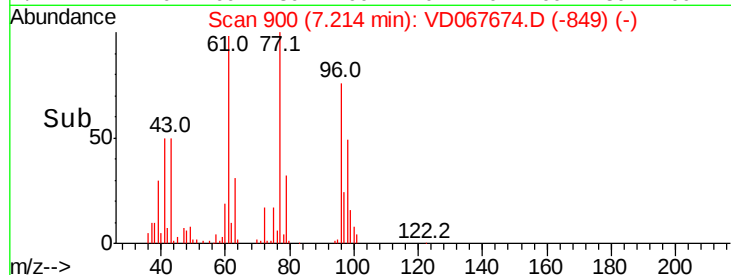
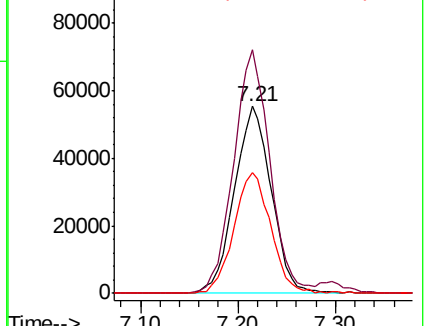
98 64.5 0.0 128.0



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: 49.117 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

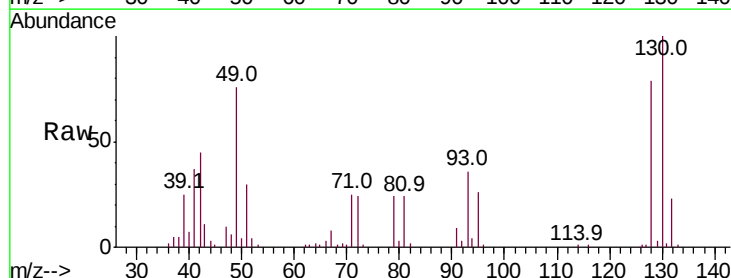
Tgt Ion: 49 Resp: 72561

Ion Ratio Lower Upper

49 100

129 2.0 0.0 6.4

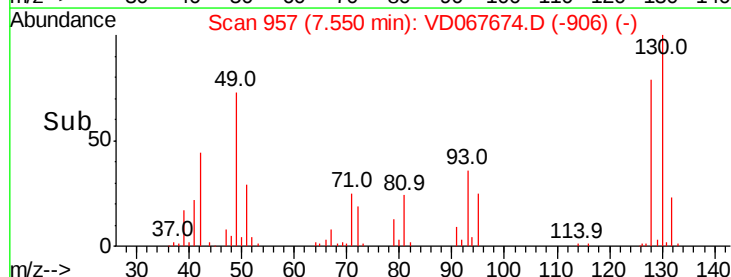
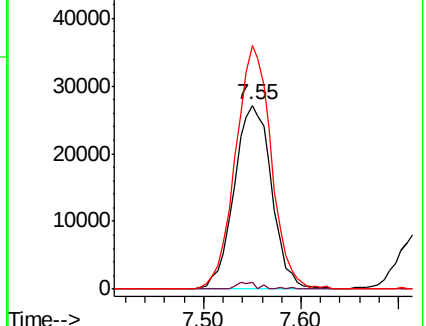
130 126.8 94.6 142.0

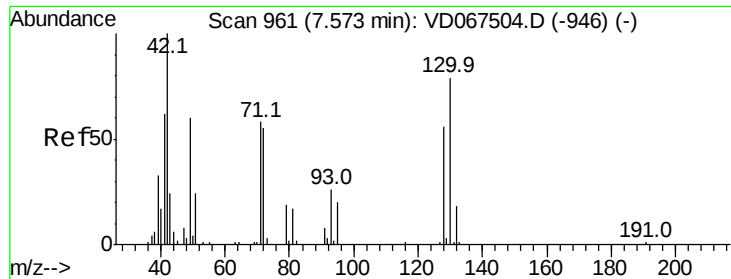


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

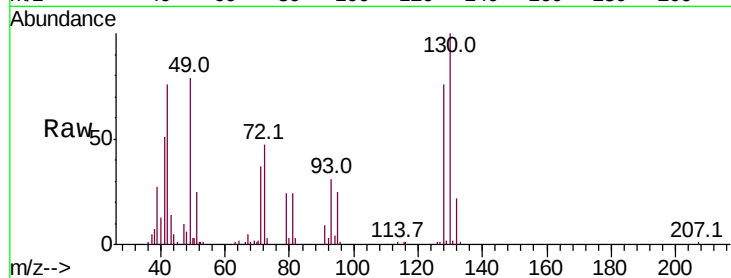




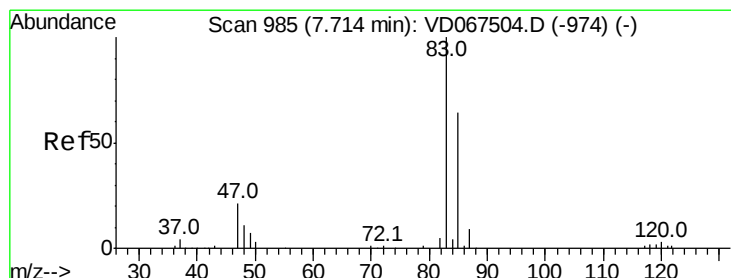
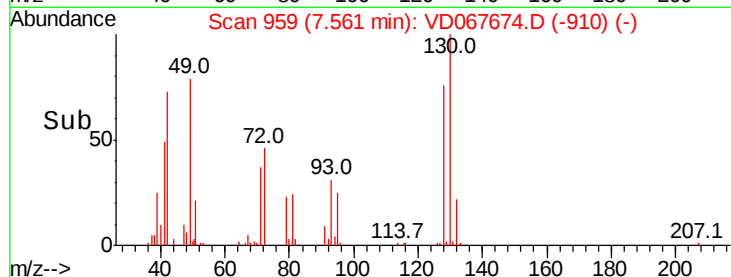
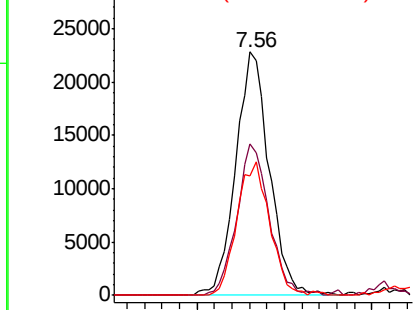
#29
Tetrahydrofuran
Concen: 243.425 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 59455
Ion Ratio Lower Upper
42 100
72 59.1 46.3 69.5
71 53.3 44.0 66.0

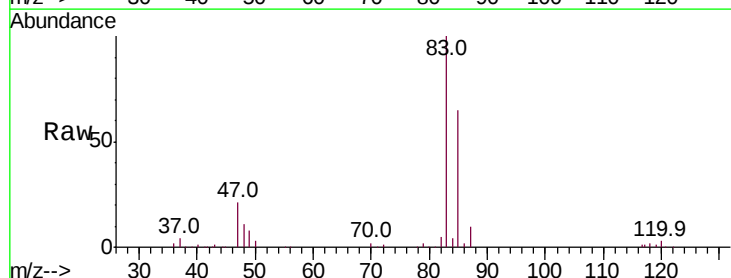


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

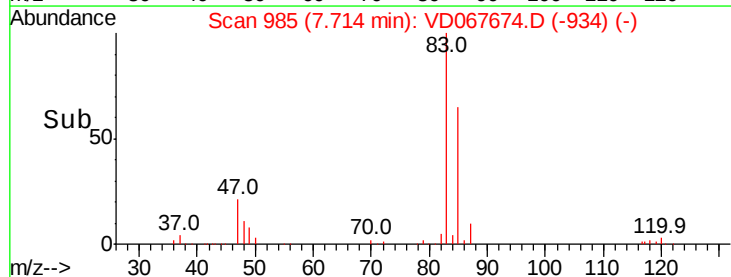
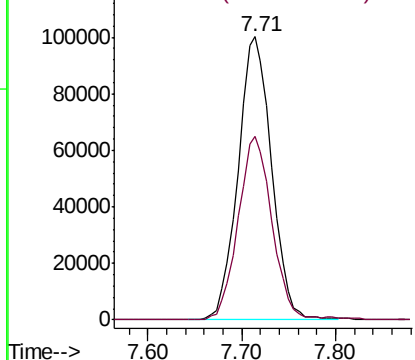


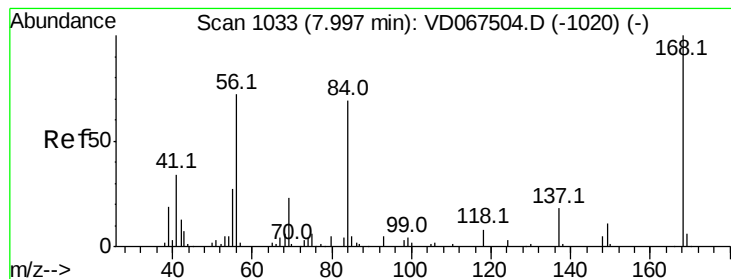
#30
Chloroform
Concen: 49.912 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 83 Resp: 247304
Ion Ratio Lower Upper
83 100
85 64.7 51.5 77.3



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





#31

Cyclohexane

Concen: 44.288 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

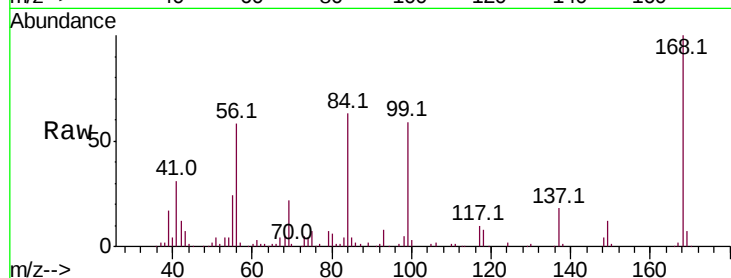
Tot Ion: 56 Resp: 163800

Ion Ratio Lower Upper

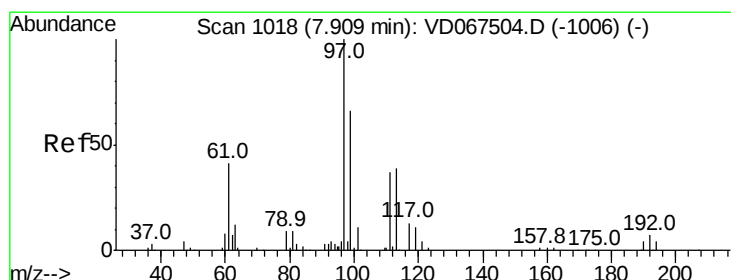
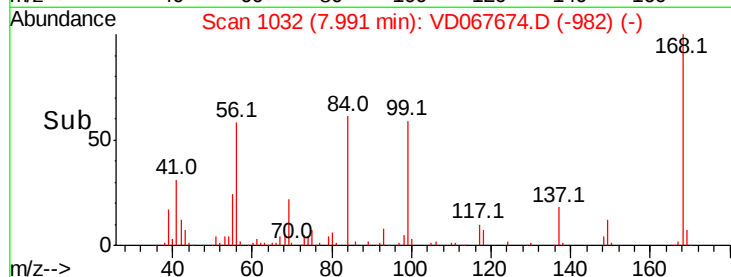
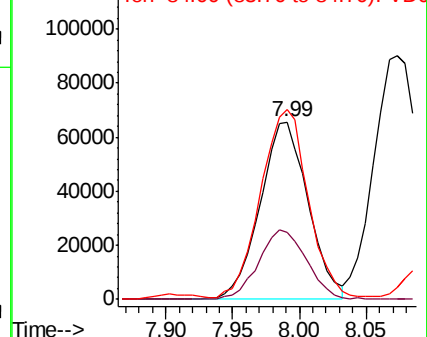
56 100

69 37.9 25.9 38.9

84 105.1 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: 49.607 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

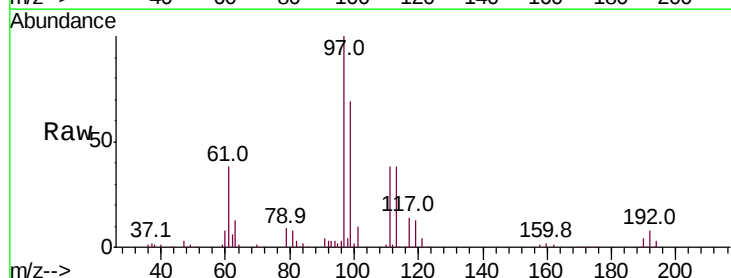
Tgt Ion: 97 Resp: 253604

Ion Ratio Lower Upper

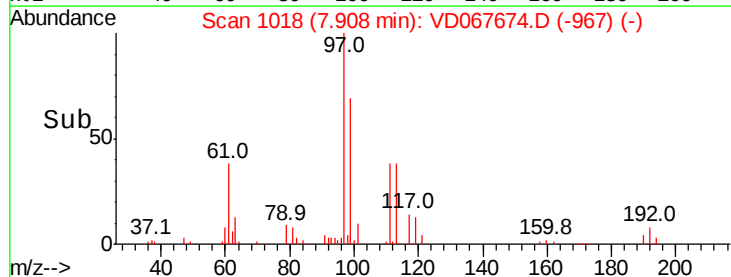
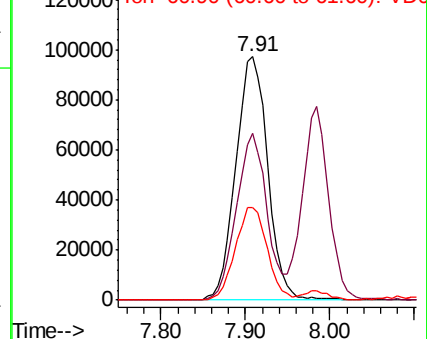
97 100

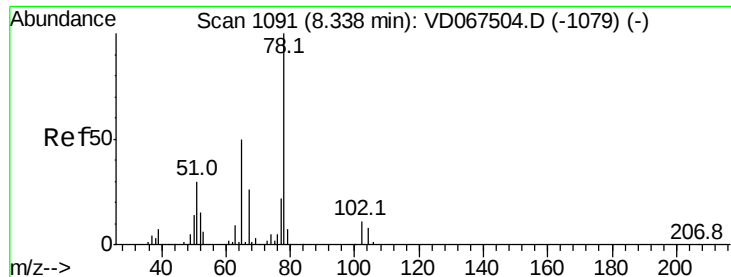
99 66.4 51.8 77.6

61 37.8 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: 44.614 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

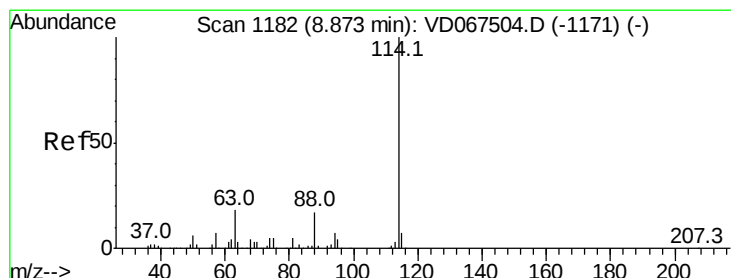
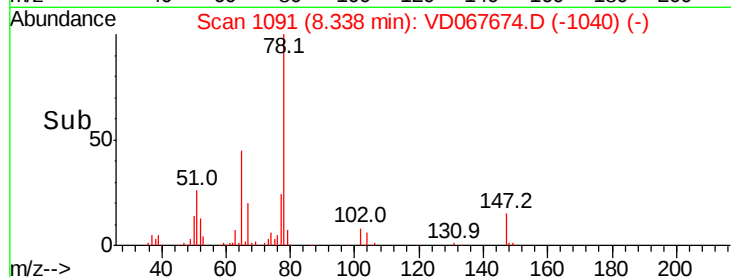
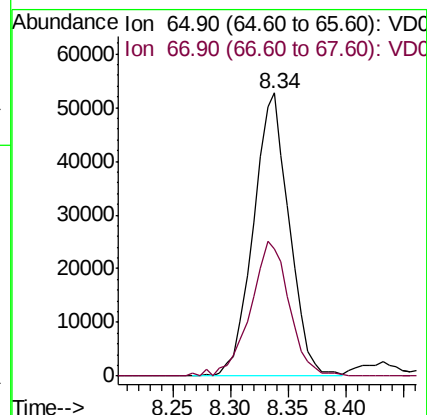
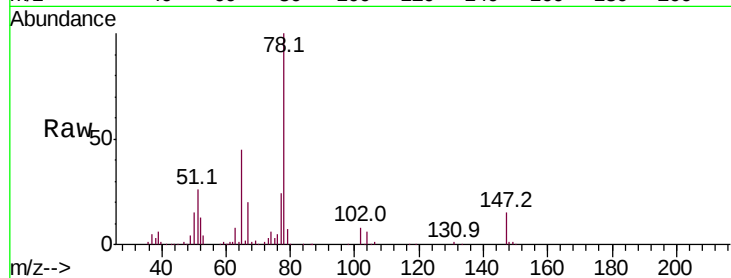
VSTDCCC050

Tot Ion: 65 Resp: 113768

Ion Ratio Lower Upper

65 100

67 51.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

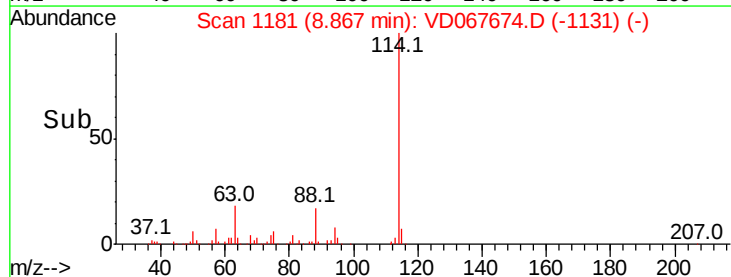
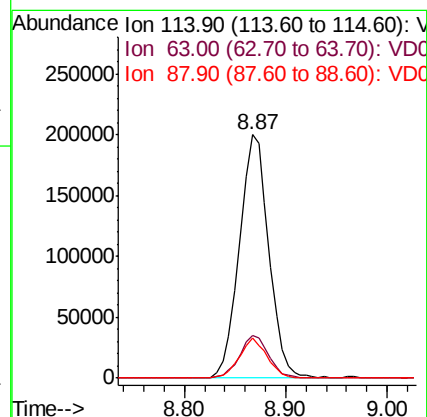
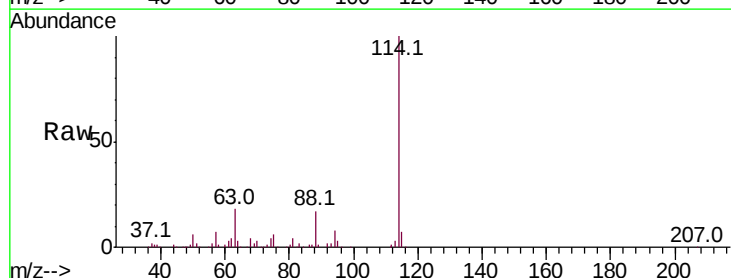
Tgt Ion: 114 Resp: 402919

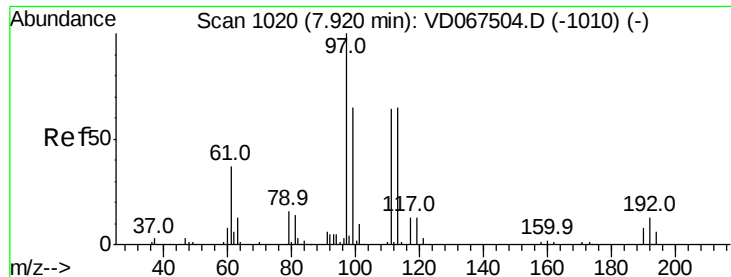
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 16.7 0.0 33.0

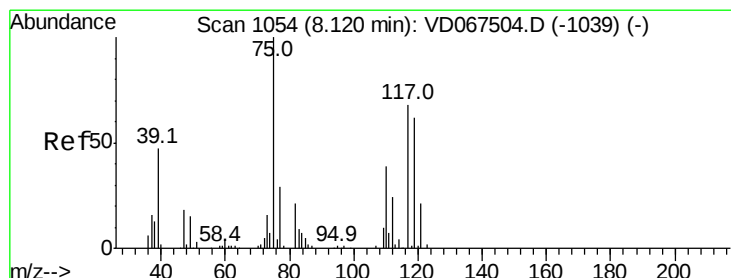
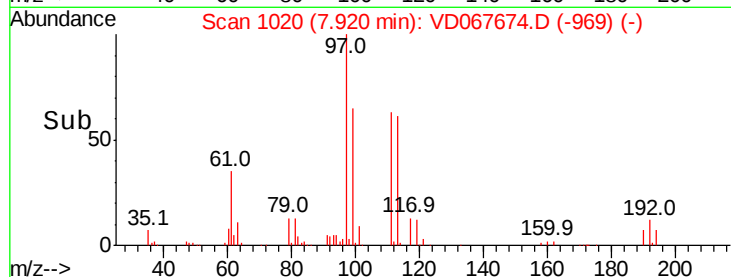
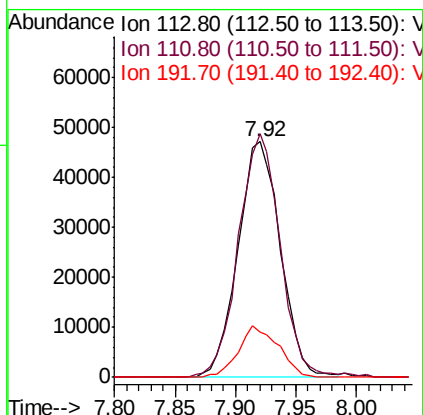
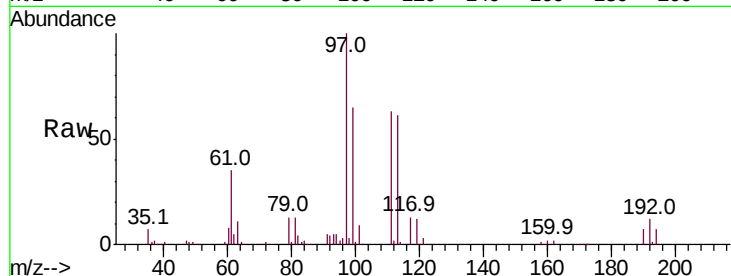




#35
Dibromofluoromethane
Concen: 47.559 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

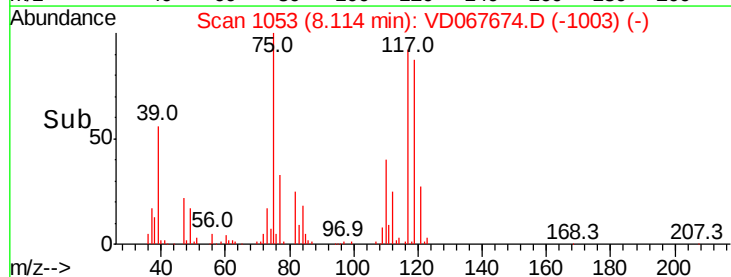
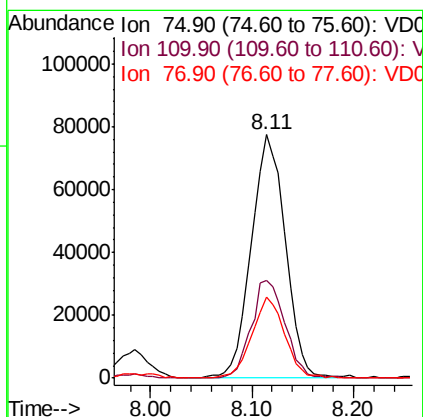
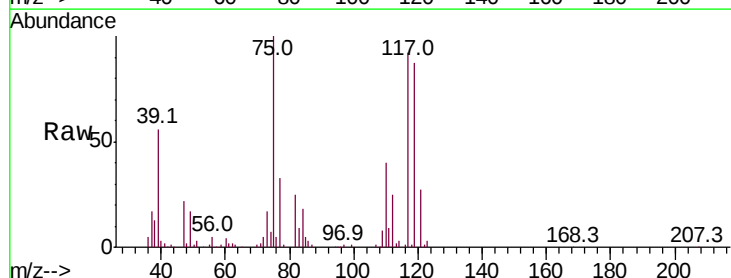
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

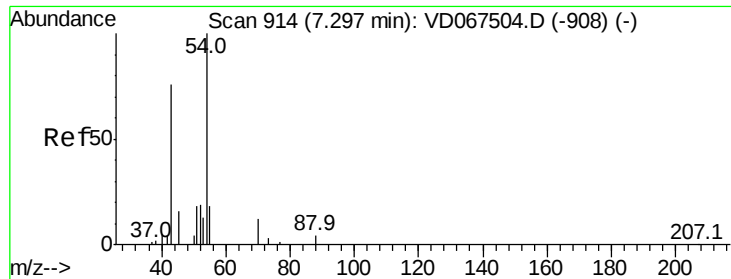
Tot Ion:113 Resp: 115454
Ion Ratio Lower Upper
113 100
111 101.8 80.0 120.0
192 20.7 16.3 24.5



#36
1,1-Dichloropropene
Concen: 52.531 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 75 Resp: 181175
Ion Ratio Lower Upper
75 100
110 39.8 19.9 59.7
77 32.2 24.8 37.2

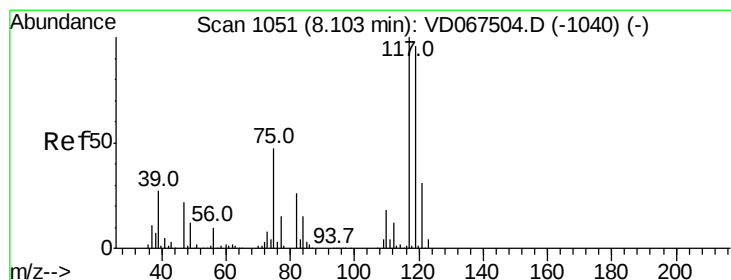
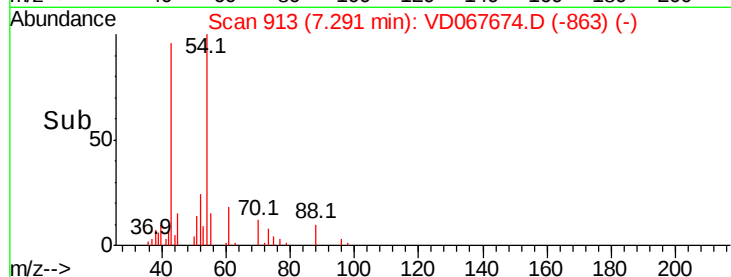
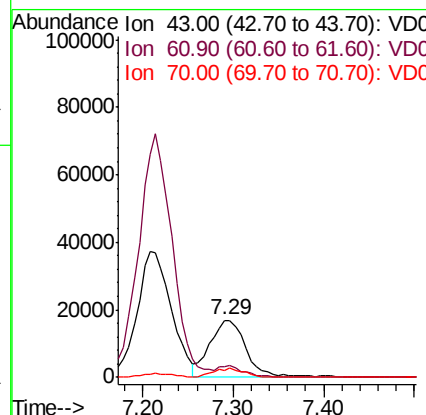
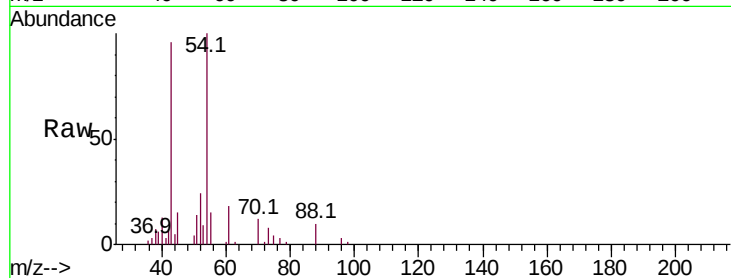




#37
Ethyl Acetate
Concen: 53.026 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

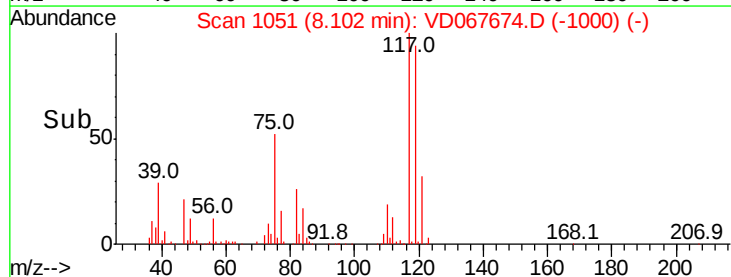
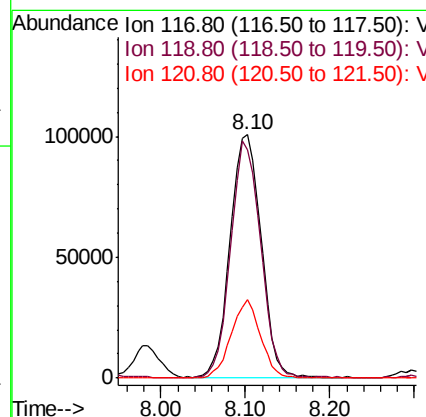
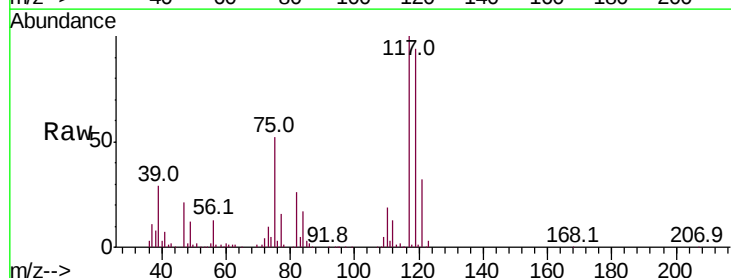
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

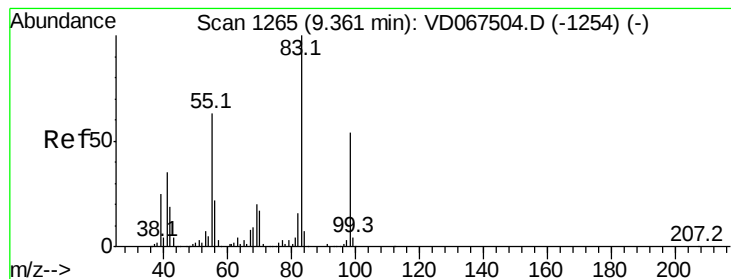
Tot Ion: 43 Resp: 47480
Ion Ratio Lower Upper
43 100
61 12.6 12.8 19.2#
70 13.7 11.7 17.5



#38
Carbon Tetrachloride
Concen: 57.233 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 117 Resp: 256466
Ion Ratio Lower Upper
117 100
119 93.9 76.9 115.3
121 32.6 24.5 36.7





#39

Methvlcvclohexane

Concen: 51.800 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

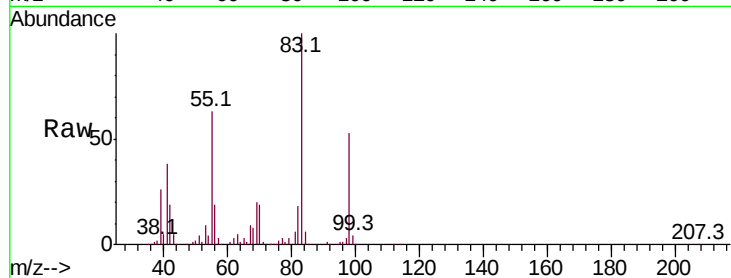
Tot Ion: 83 Resp: 210273

Ion Ratio Lower Upper

83 100

55 62.7 50.5 75.7

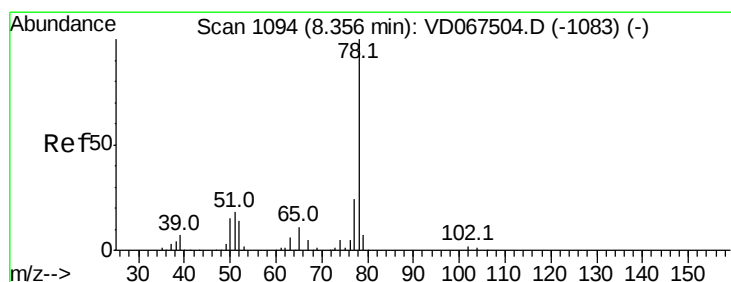
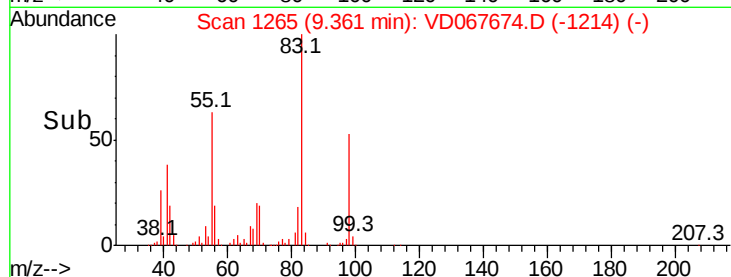
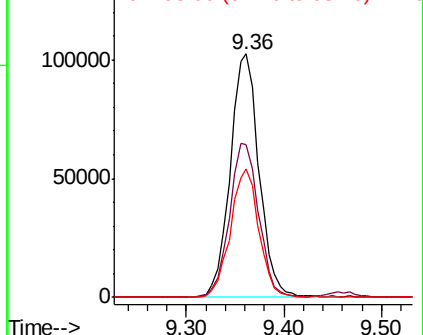
98 52.7 43.4 65.0



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 53.540 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD067674.D

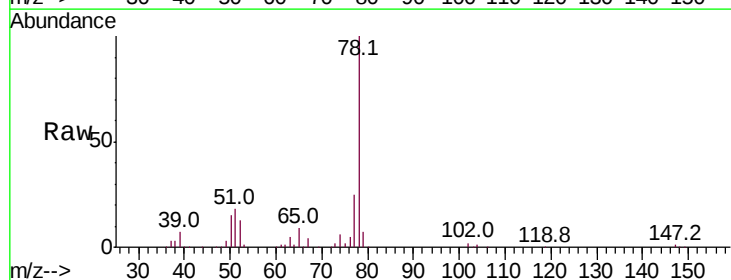
Acq: 18 Nov 2020 09:42

Tgt Ion: 78 Resp: 500184

Ion Ratio Lower Upper

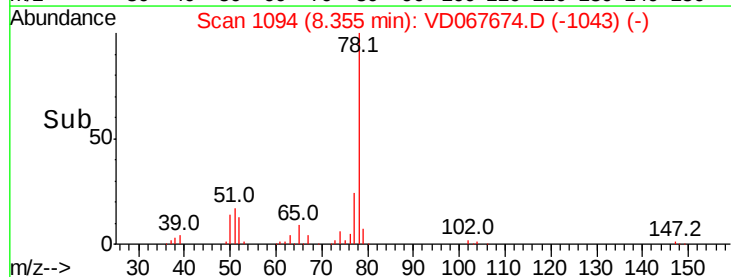
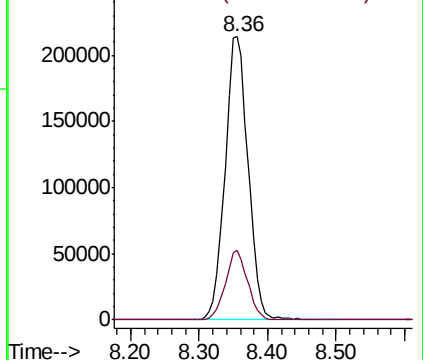
78 100

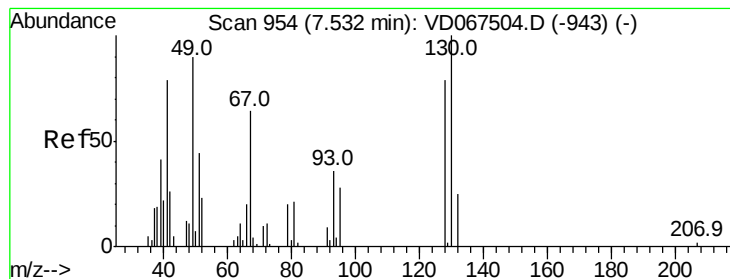
77 24.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 50.095 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 26812

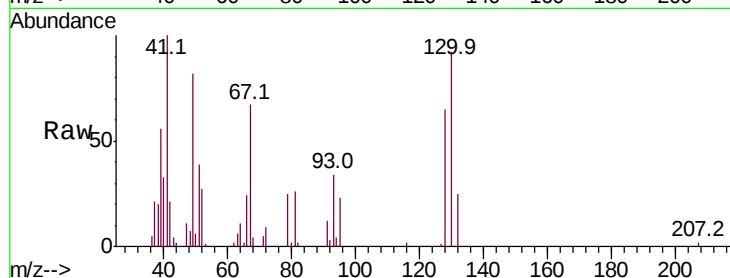
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 94.4 78.9 118.3

52 39.9 31.4 47.2

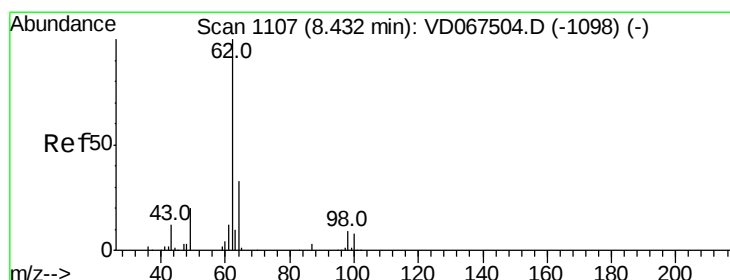
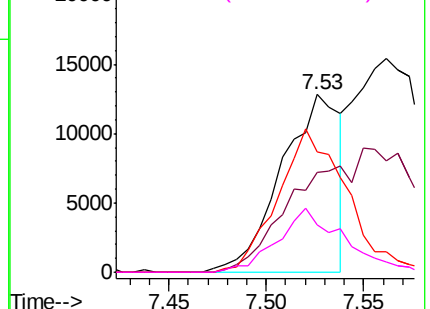
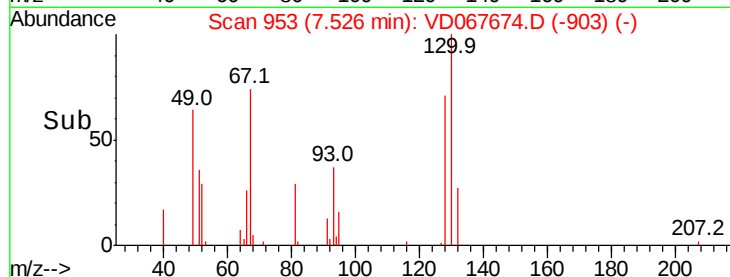


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 54.069 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067674.D

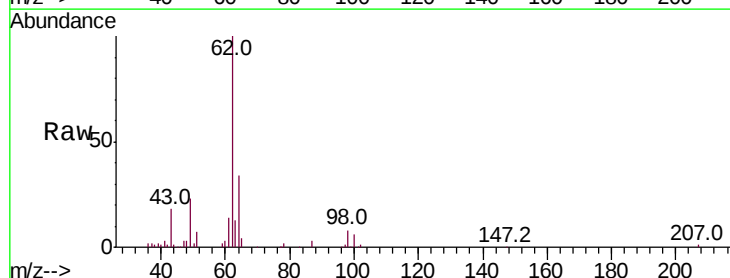
Acq: 18 Nov 2020 09:42

Tgt Ion: 62 Resp: 156067

Ion Ratio Lower Upper

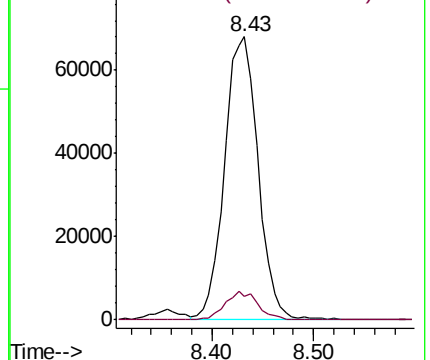
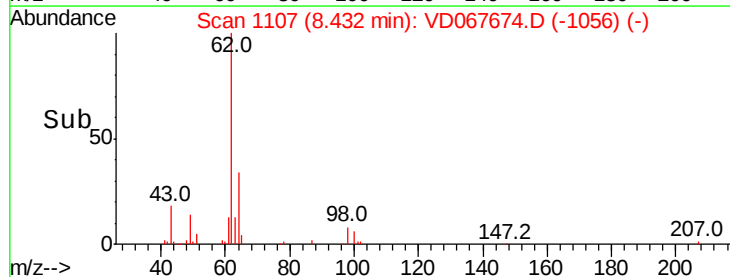
62 100

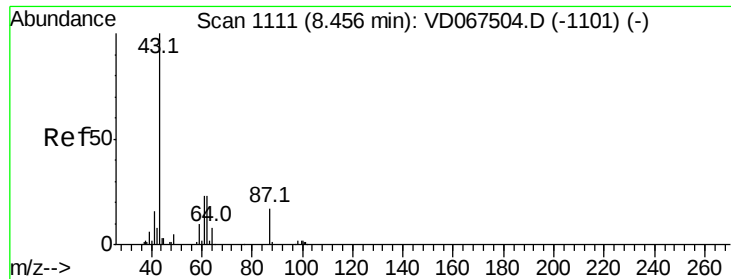
98 9.7 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.197 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

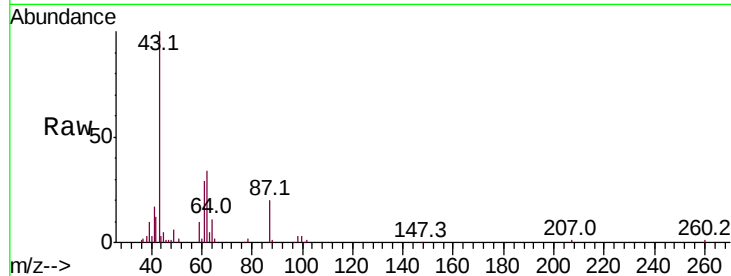
Tot Ion: 43 Resp: 90661

Ion Ratio Lower Upper

43 100

61 39.4 30.5 45.7

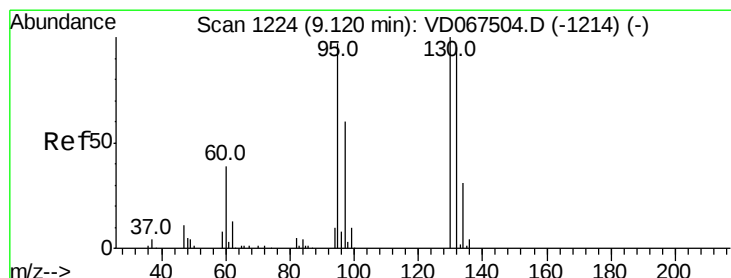
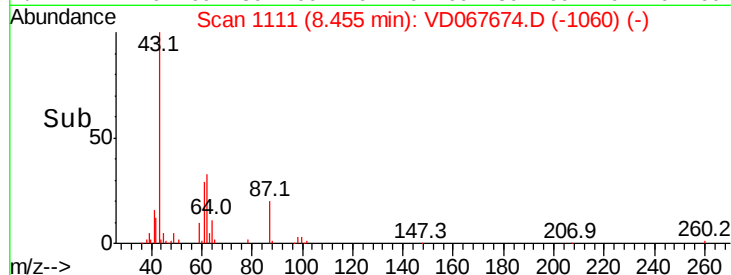
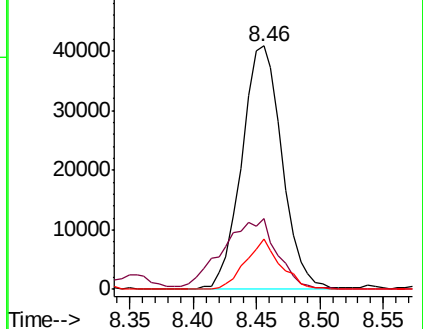
87 17.9 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.083 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067674.D

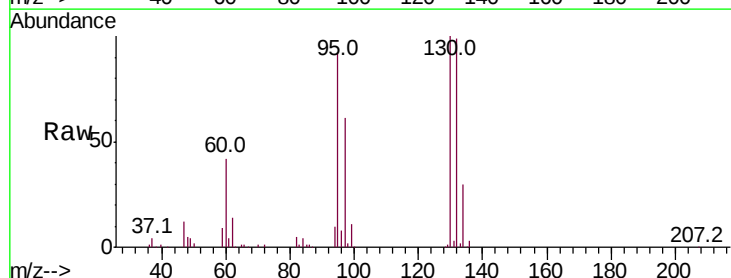
Acq: 18 Nov 2020 09:42

Tgt Ion:130 Resp: 156917

Ion Ratio Lower Upper

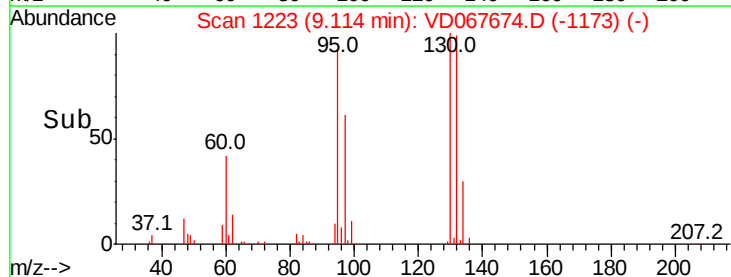
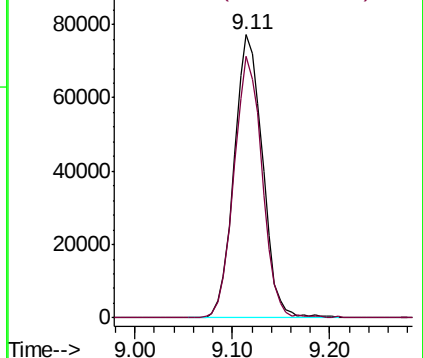
130 100

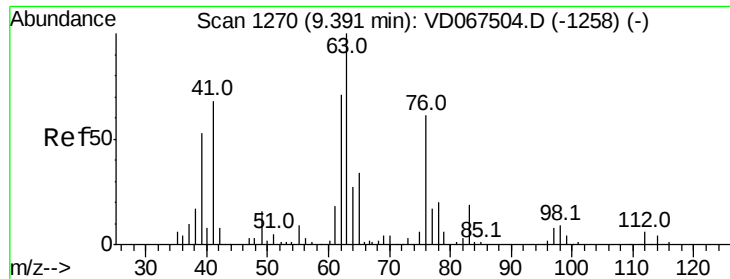
95 92.5 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.014 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

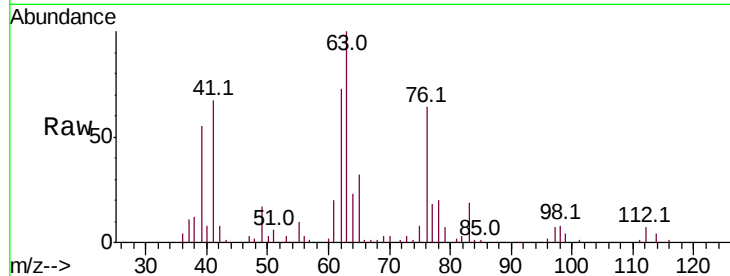
VSTDCCC050

Tot Ion: 63 Resp: 105062

Ion Ratio Lower Upper

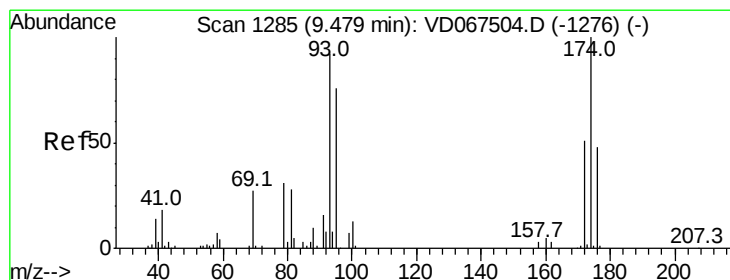
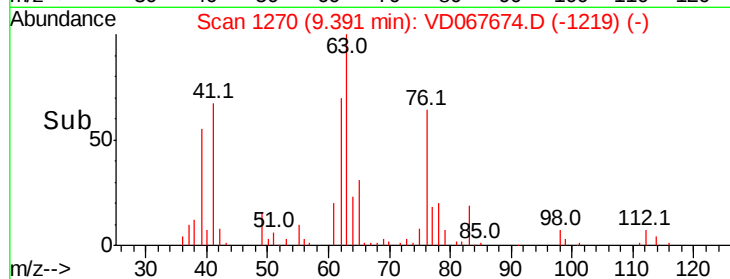
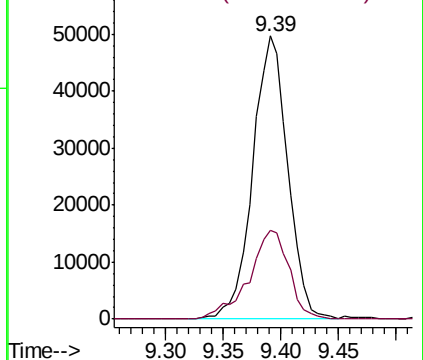
63 100

65 31.6 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.692 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

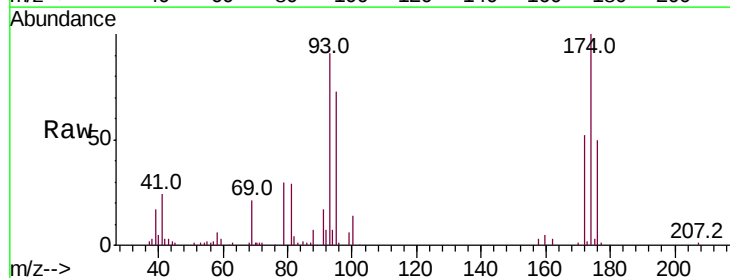
Tgt Ion: 93 Resp: 67672

Ion Ratio Lower Upper

93 100

95 81.6 66.4 99.6

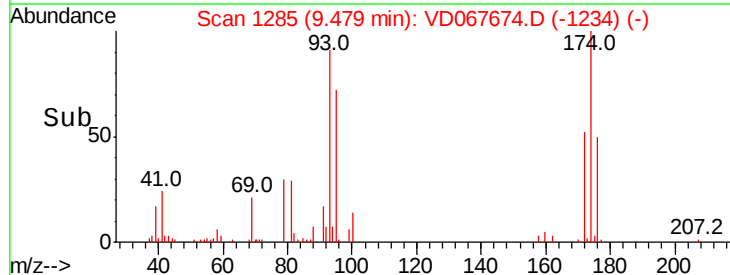
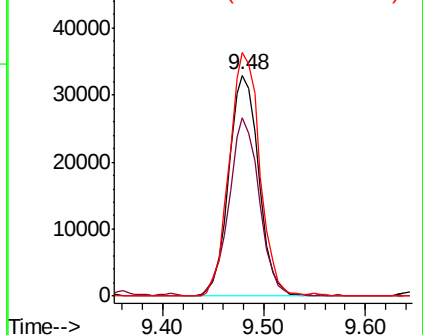
174 112.0 88.2 132.4

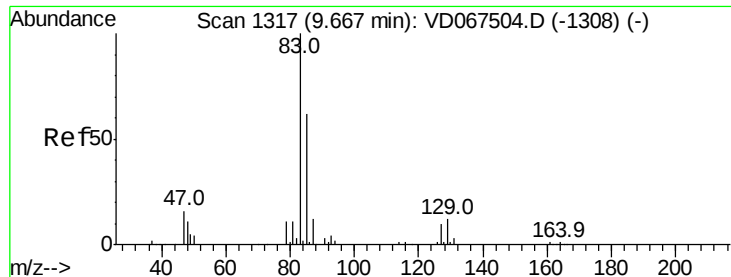


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.623 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

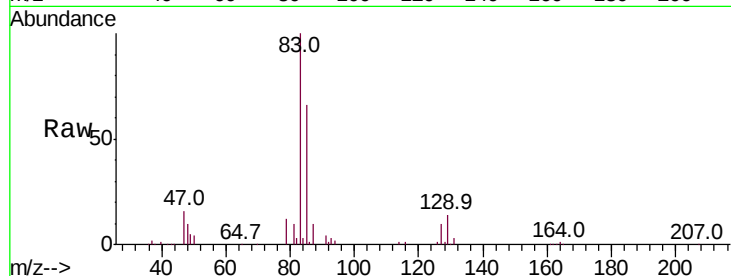
Tot Ion: 83 Resp: 183690

Ion Ratio Lower Upper

83 100

85 65.5 49.4 74.2

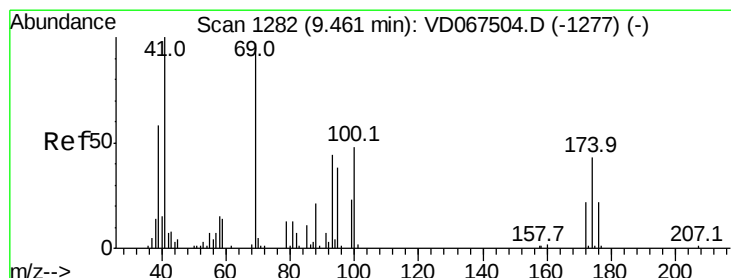
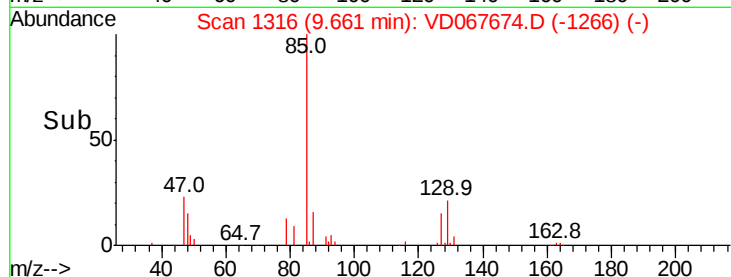
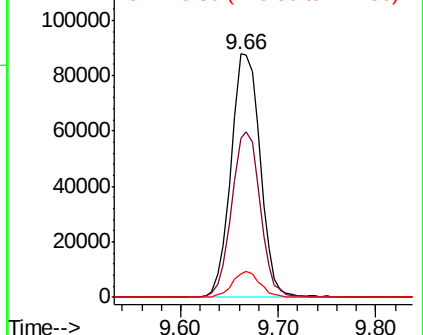
127 9.8 7.7 11.5



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: 47.657 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

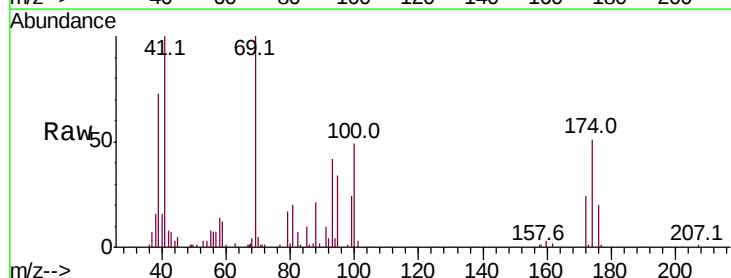
Tgt Ion: 41 Resp: 43574

Ion Ratio Lower Upper

41 100

69 112.1 80.6 121.0

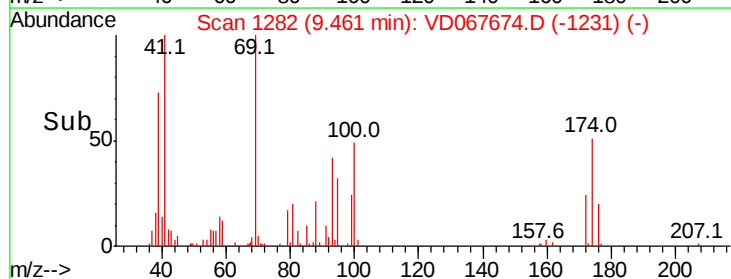
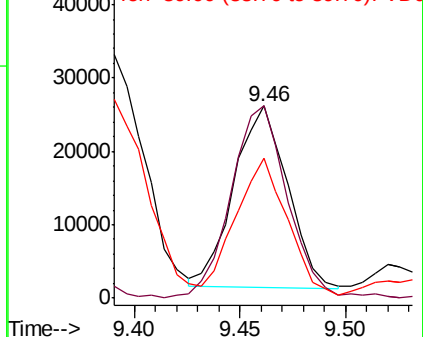
39 71.9 50.2 75.4

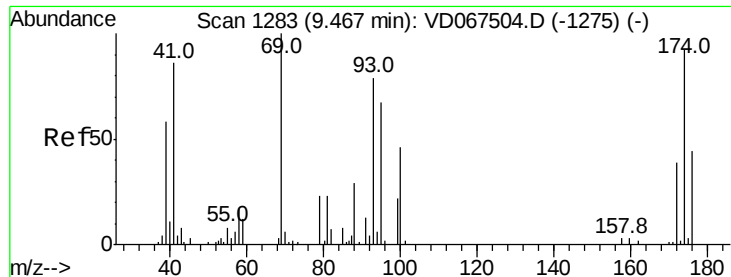


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 942.034 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

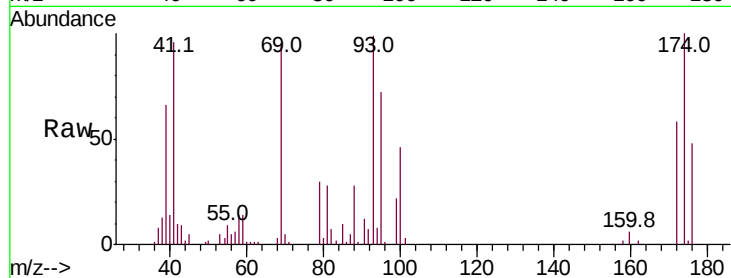
Tot Ion: 88 Resp: 12282

Ion Ratio Lower Upper

88 100

43 35.5 23.6 35.4#

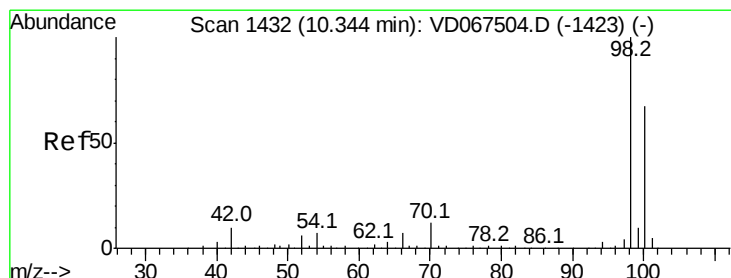
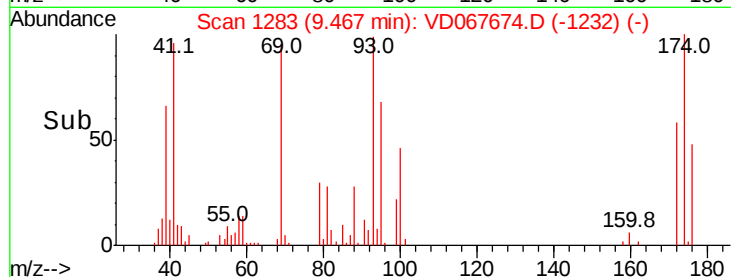
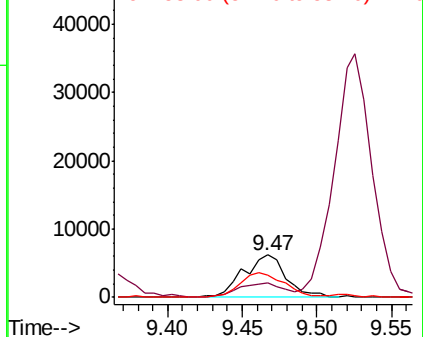
58 59.8 44.7 67.1



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: 45.832 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067674.D

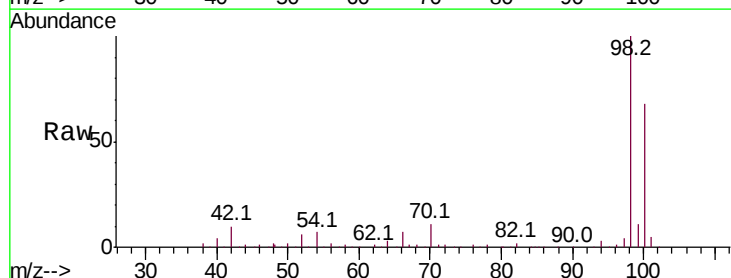
Acq: 18 Nov 2020 09:42

Tgt Ion: 98 Resp: 390996

Ion Ratio Lower Upper

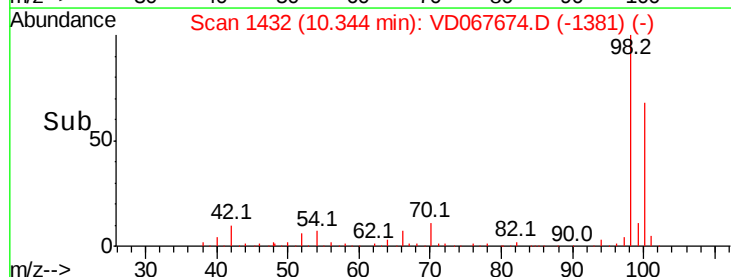
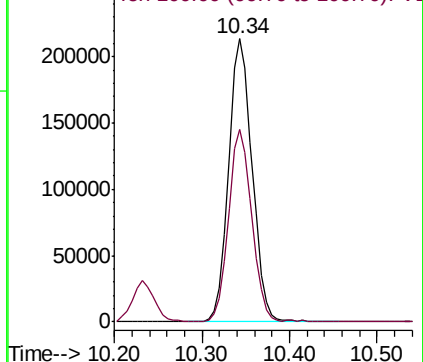
98 100

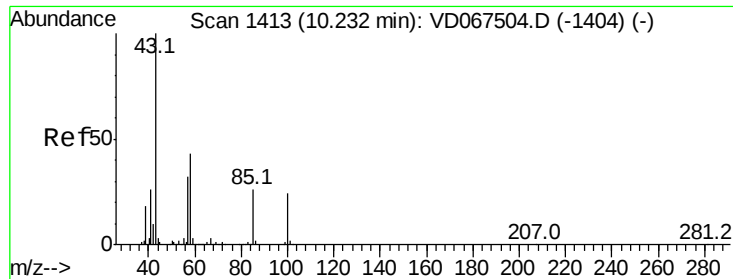
100 67.4 53.0 79.6



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: 263.650 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

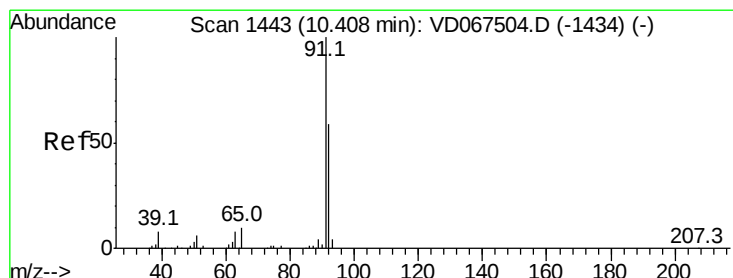
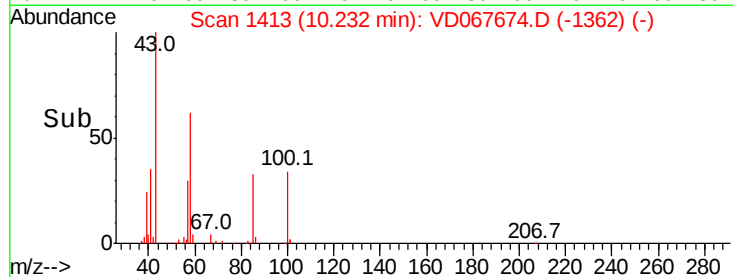
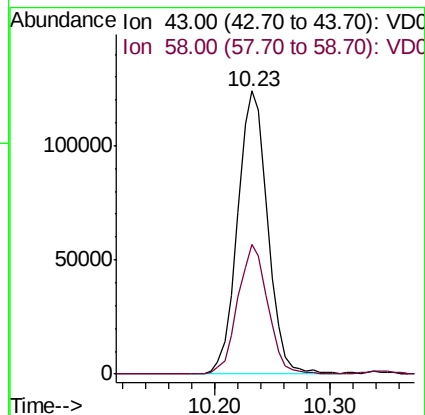
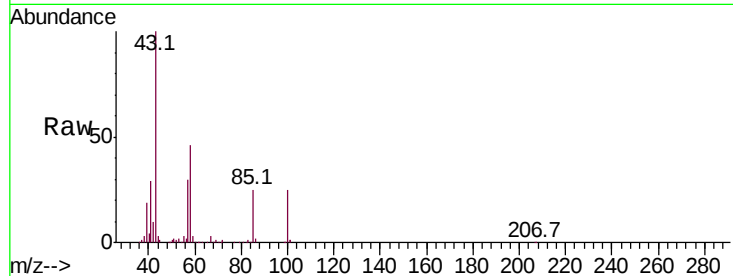
VSTDCCC050

Tot Ion: 43 Resp: 223287

Ion Ratio Lower Upper

43 100

58 45.9 35.6 53.4



#52

Toluene

Concen: 54.545 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067674.D

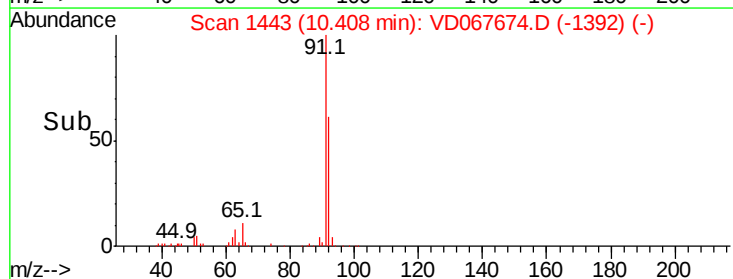
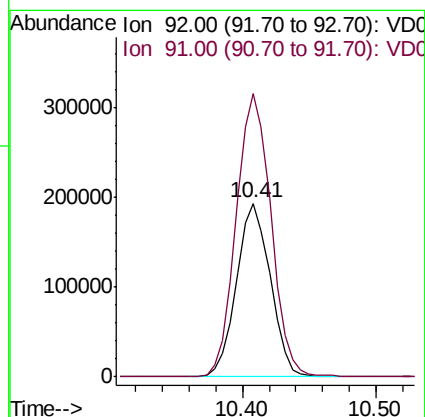
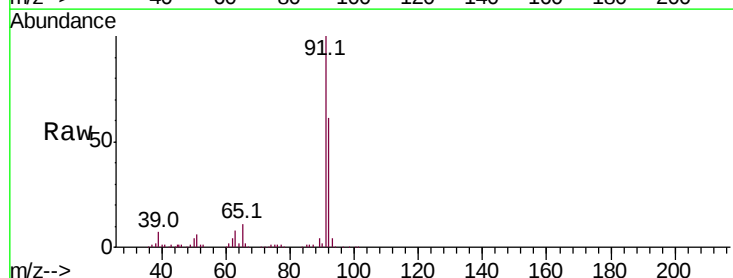
Acq: 18 Nov 2020 09:42

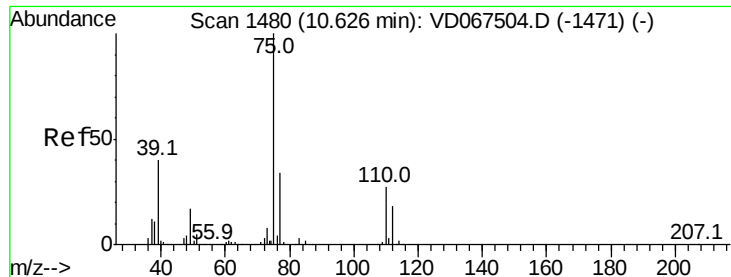
Tgt Ion: 92 Resp: 341315

Ion Ratio Lower Upper

92 100

91 167.8 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 54.922 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

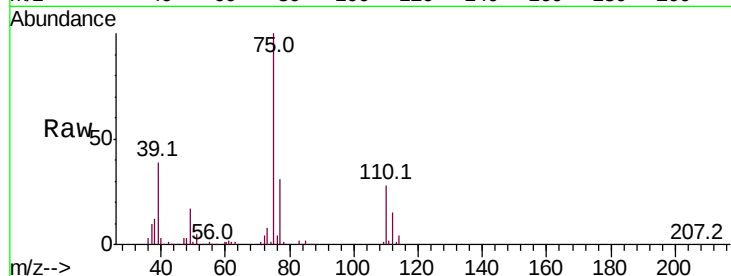
VSTDCCC050

Tot Ion: 75 Resp: 164196

Ion Ratio Lower Upper

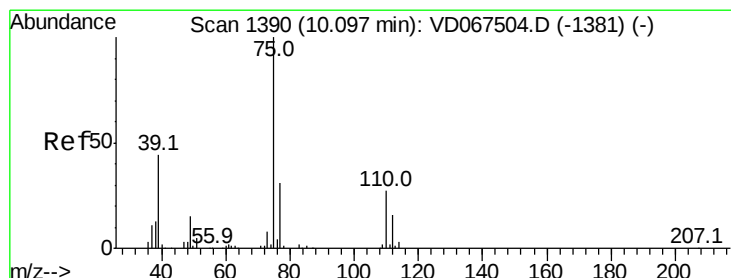
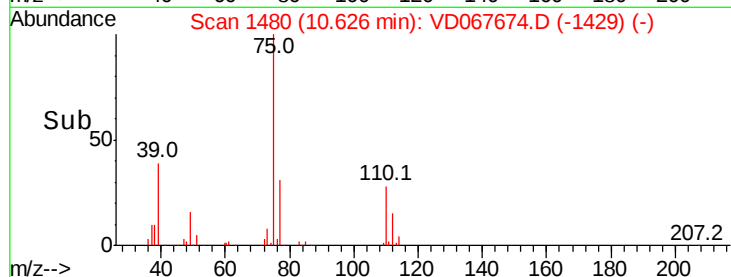
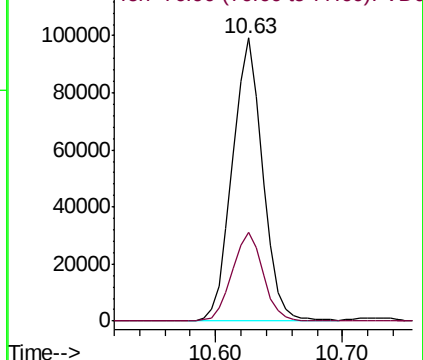
75 100

77 31.2 27.0 40.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.065 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

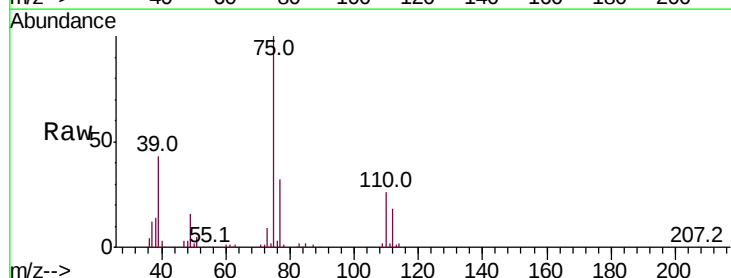
Tgt Ion: 75 Resp: 188489

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6

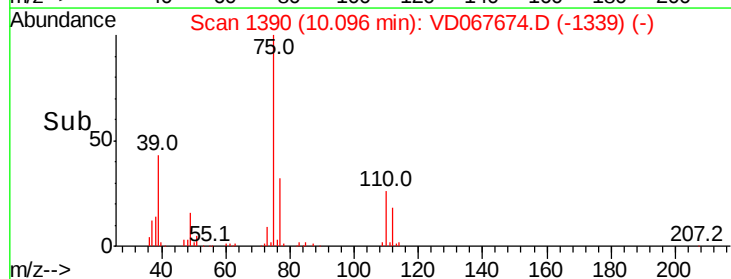
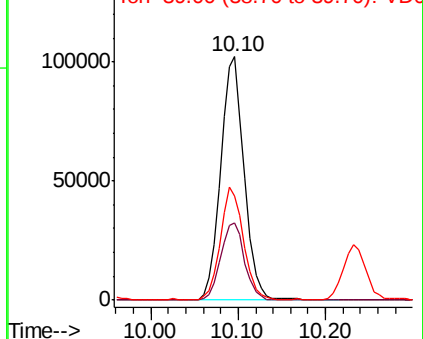
39 42.6 35.6 53.4

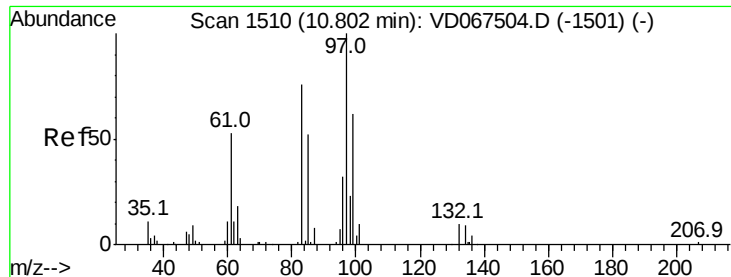


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 53.949 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 91674

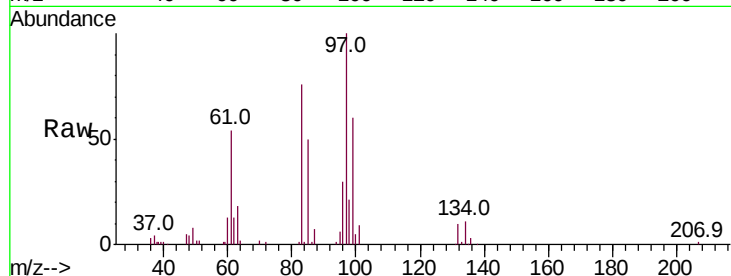
Ion Ratio Lower Upper

97 100

83 75.2 61.0 91.6

85 50.3 41.5 62.3

99 60.4 49.4 74.2

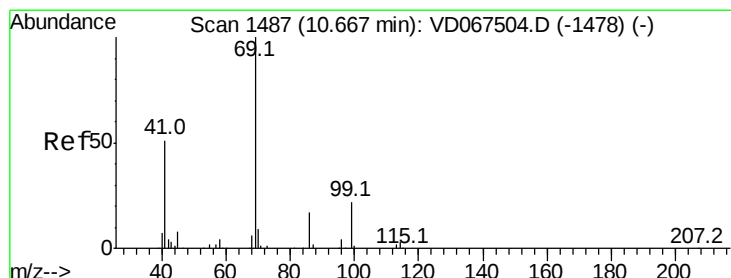
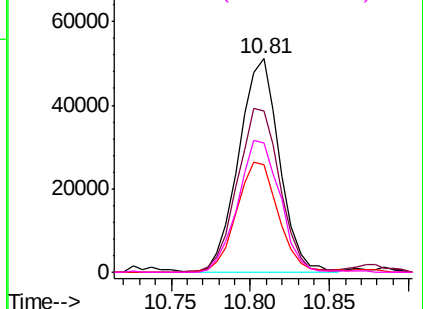
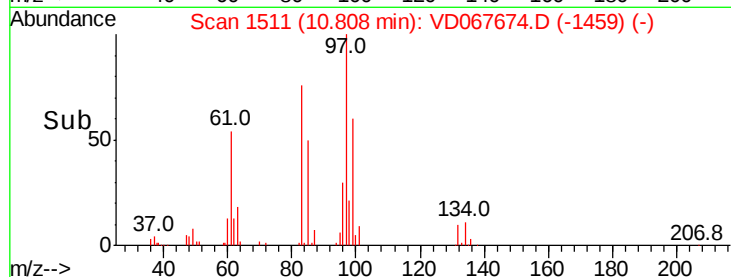


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 53.432 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

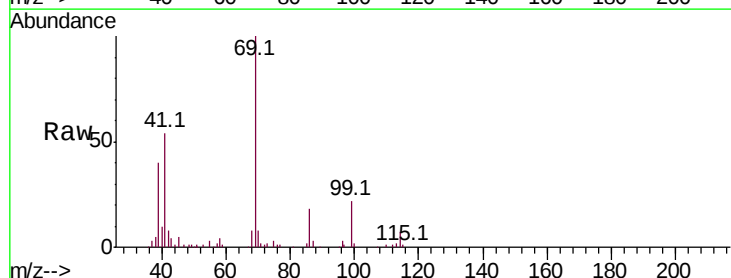
Tgt Ion: 69 Resp: 93762

Ion Ratio Lower Upper

69 100

41 55.5 45.4 68.0

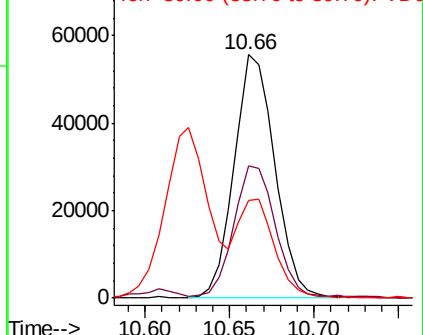
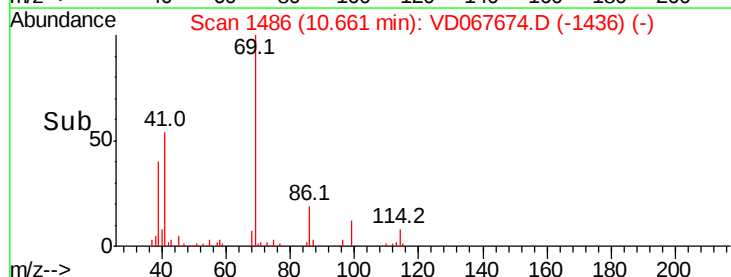
39 35.6 27.4 41.0

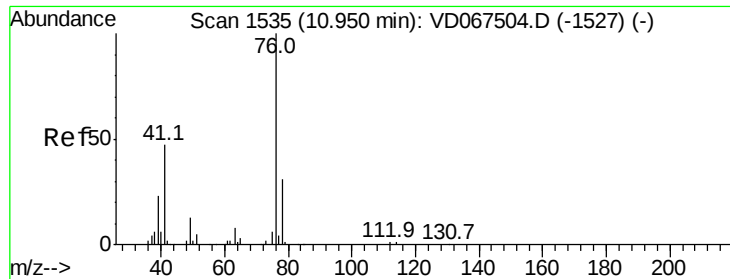


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 53.918 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

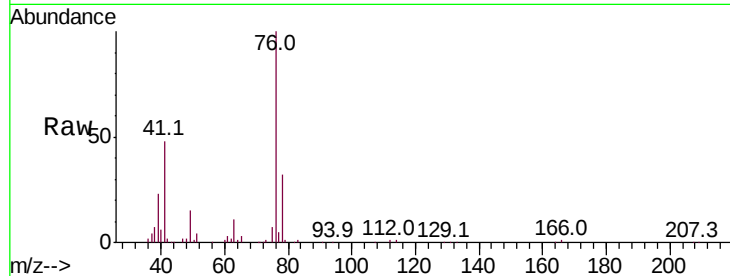
VSTDCCC050

Tot Ion: 76 Resp: 147436

Ion Ratio Lower Upper

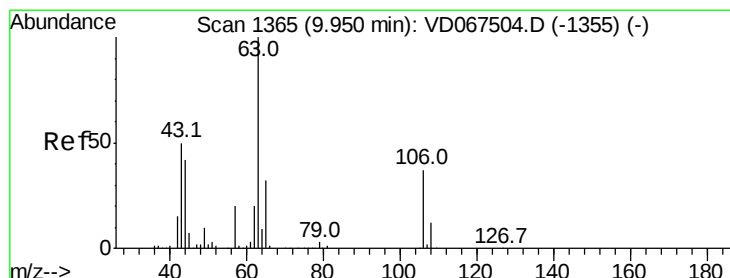
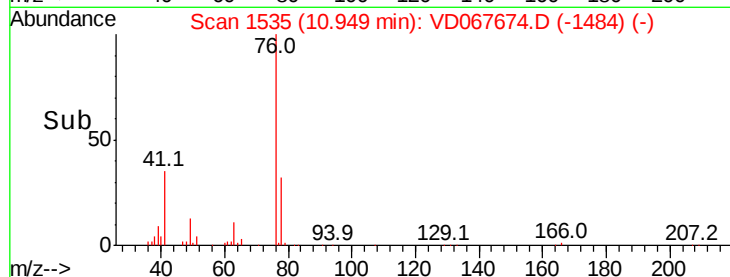
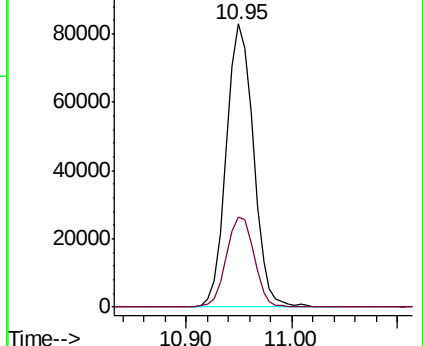
76 100

78 32.6 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: 273.944 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067674.D

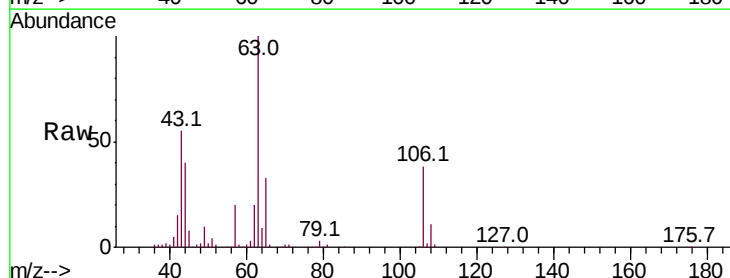
Acq: 18 Nov 2020 09:42

Tgt Ion: 63 Resp: 224171

Ion Ratio Lower Upper

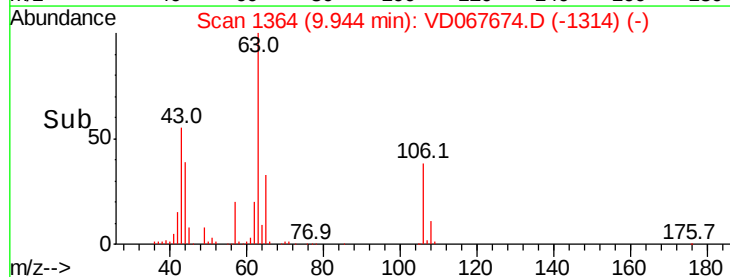
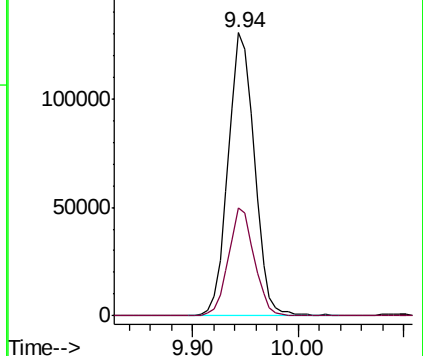
63 100

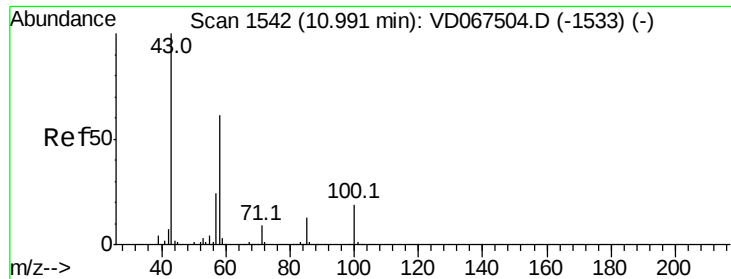
106 37.4 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

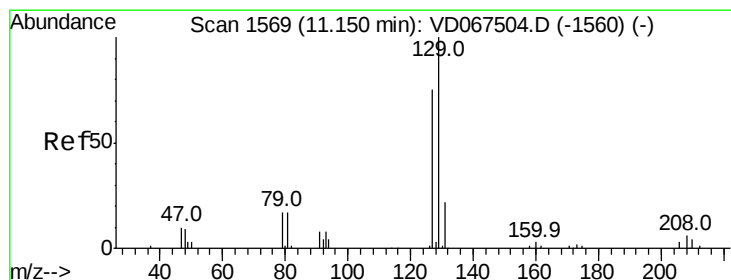
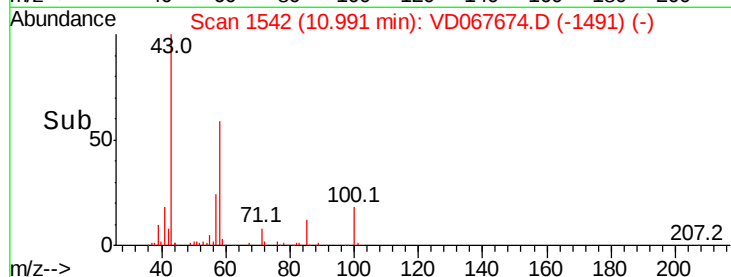
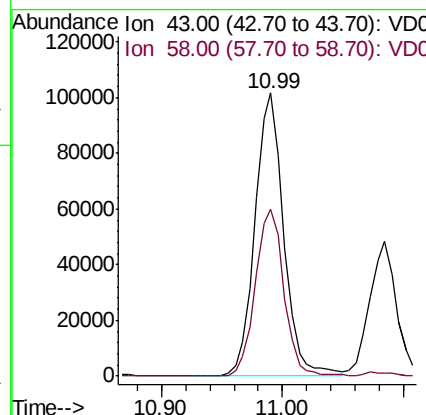
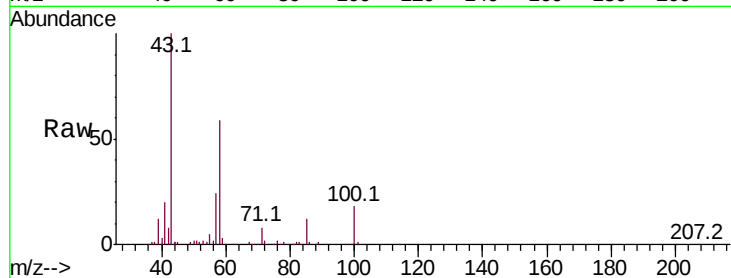




#59
2-Hexanone
Concen: 284.409 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

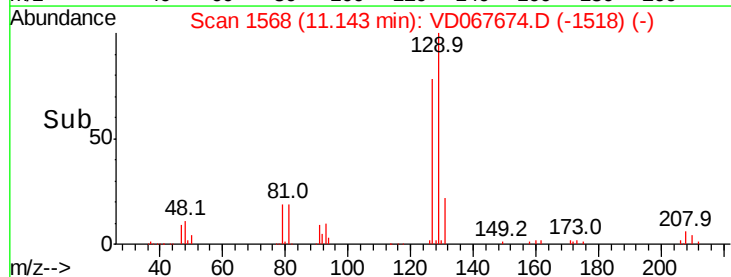
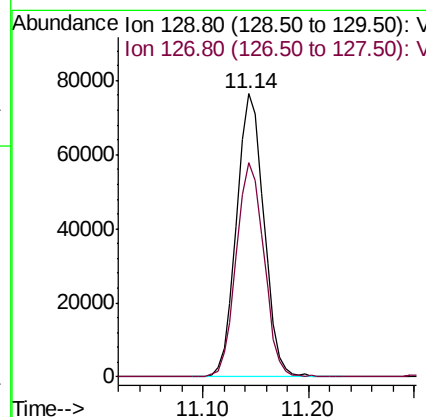
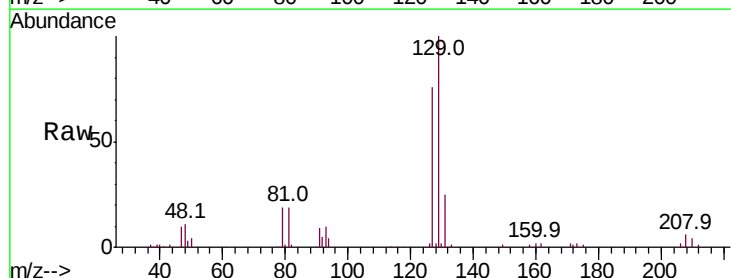
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

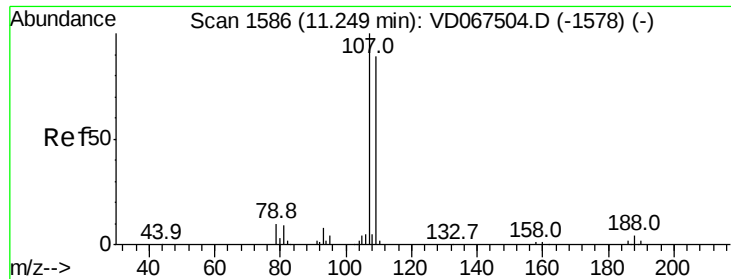
Tot Ion: 43 Resp: 168415
Ion Ratio Lower Upper
43 100
58 59.0 30.3 90.9



#60
Dibromochloromethane
Concen: 54.560 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 129 Resp: 137147
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1

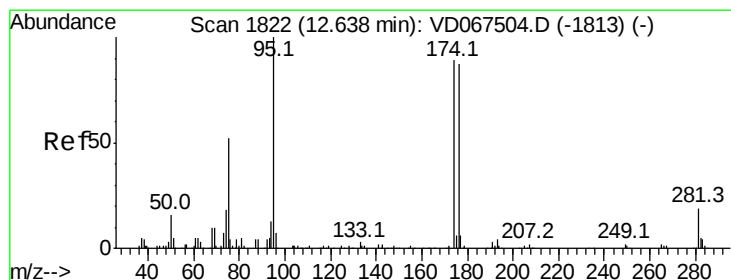
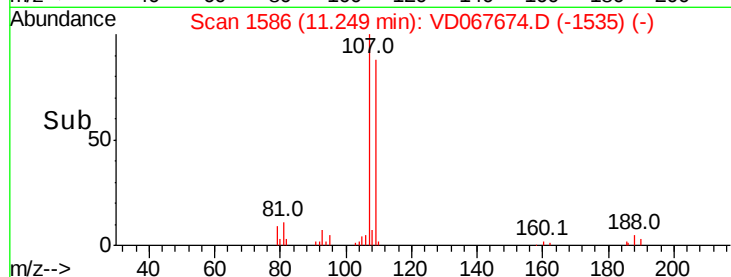
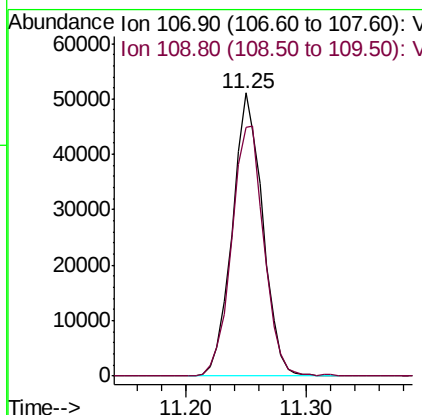
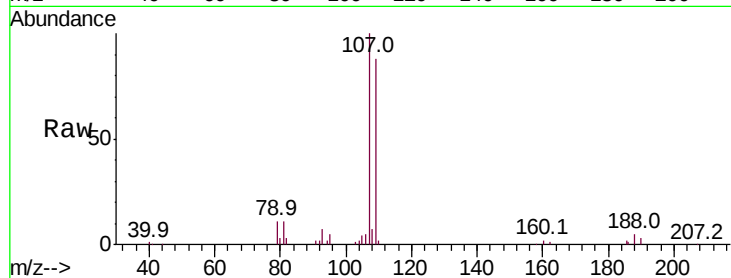




#61
 1,2-Dibromoethane
 Concen: 52.466 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

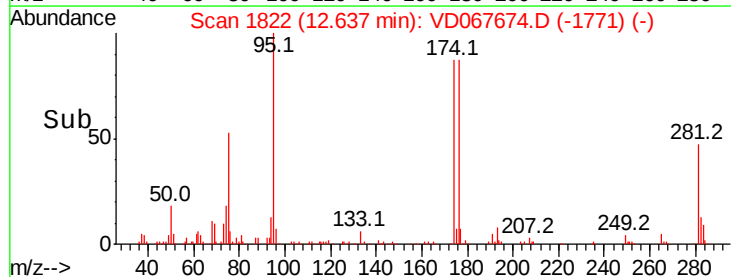
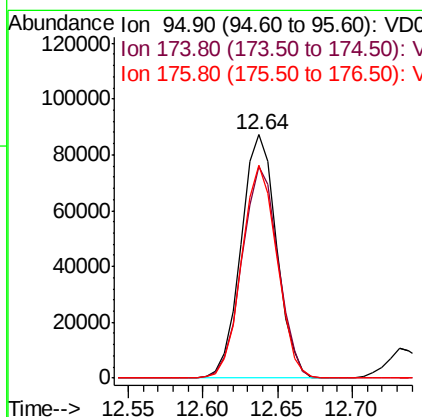
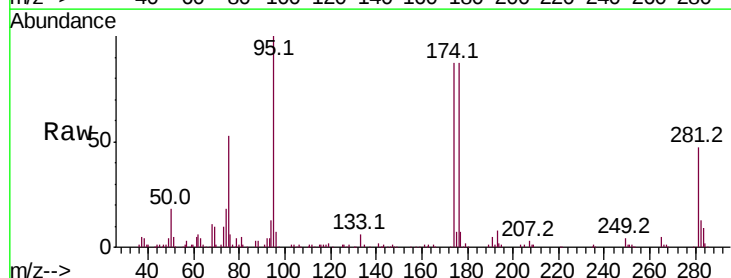
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

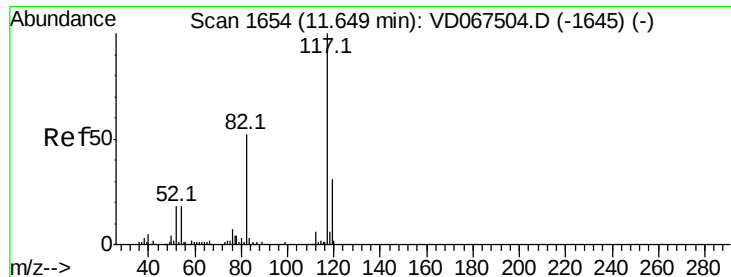
Tot Ion:107 Resp: 89478
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 48.751 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion: 95 Resp: 143588
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 177.8
 176 86.9 0.0 172.0

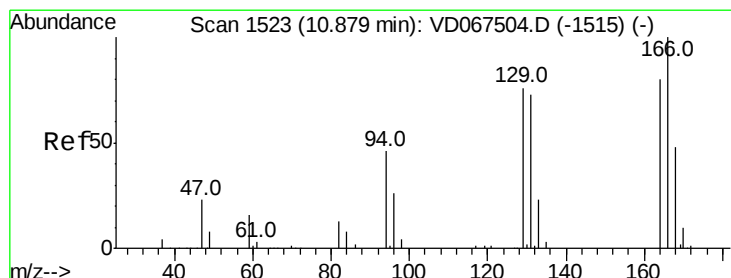
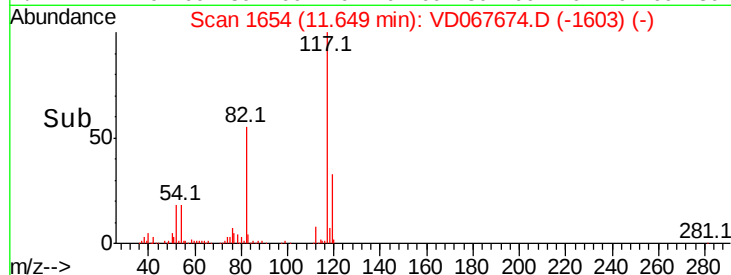
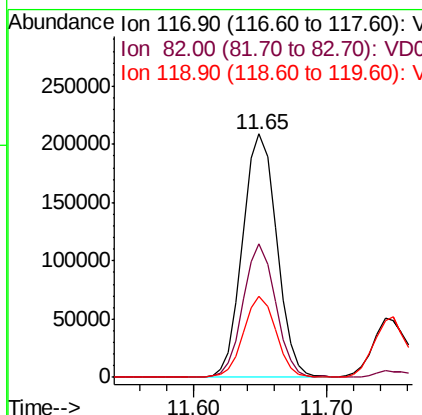
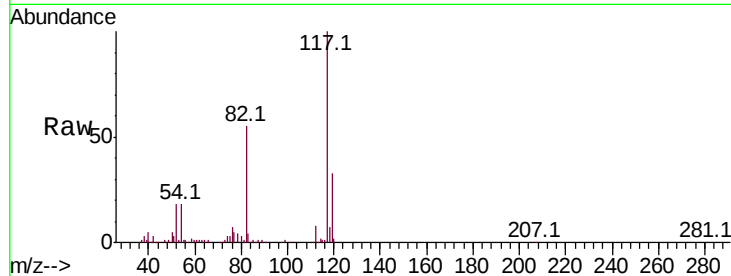




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

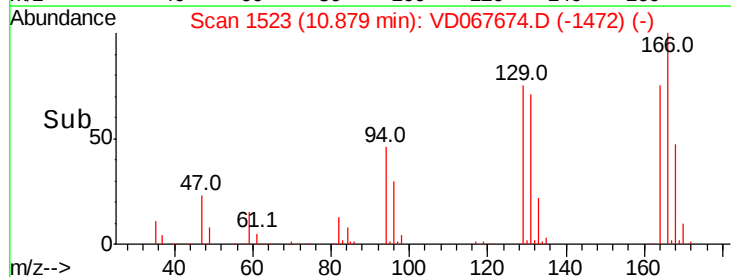
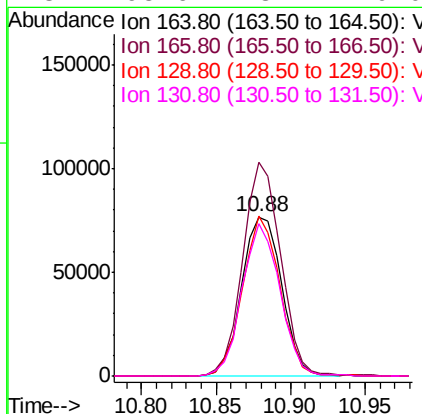
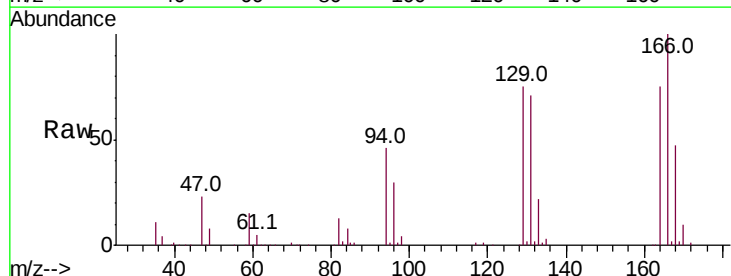
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

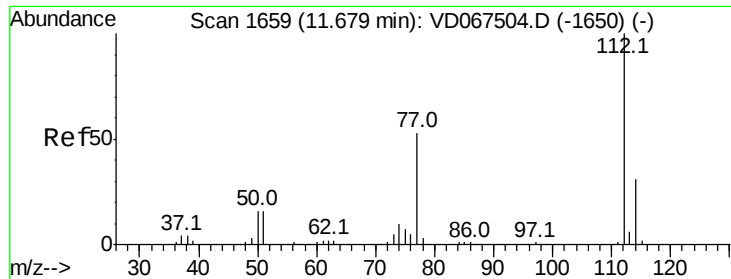
Tot Ion:117 Resp: 369429
Ion Ratio Lower Upper
117 100
82 54.6 41.6 62.4
119 33.5 25.1 37.7



#64
Tetrachloroethene
Concen: 52.068 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion:164 Resp: 142457
Ion Ratio Lower Upper
164 100
166 134.1 99.9 149.9
129 100.5 75.5 113.3
131 95.6 73.4 110.0

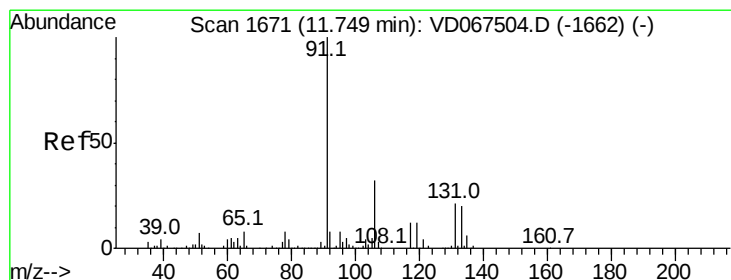
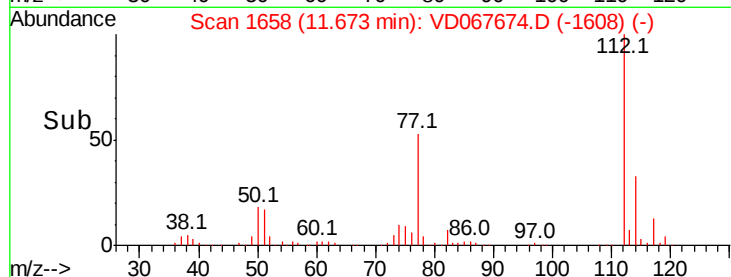
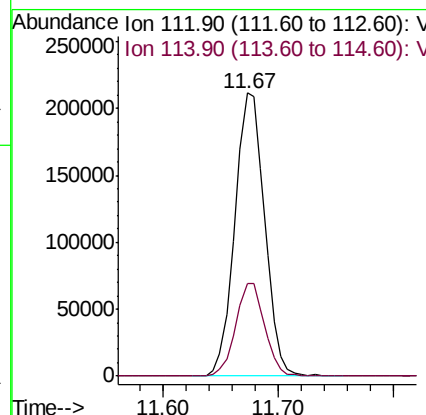
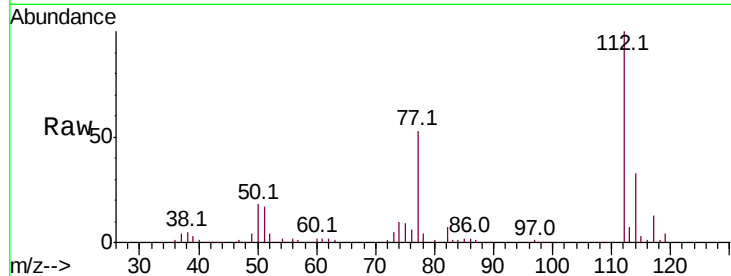




#65
Chlorobenzene
Concen: 53.081 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

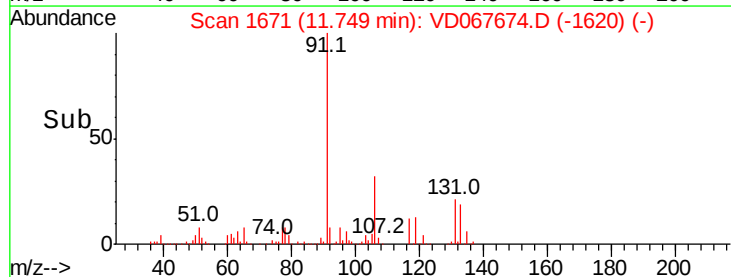
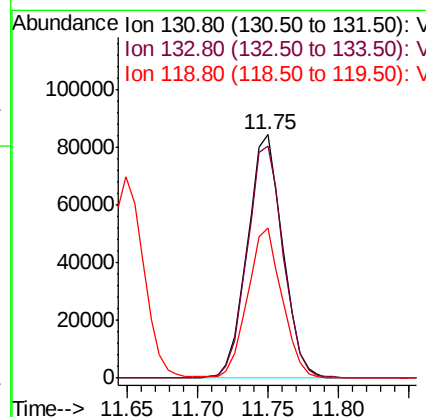
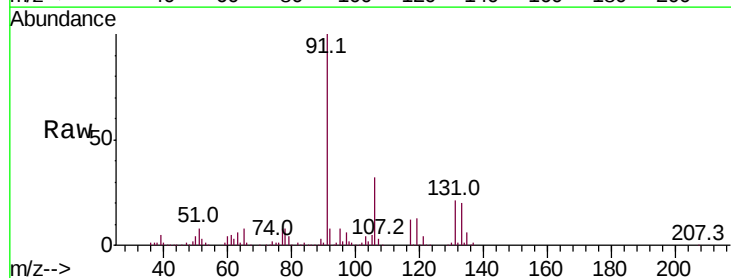
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

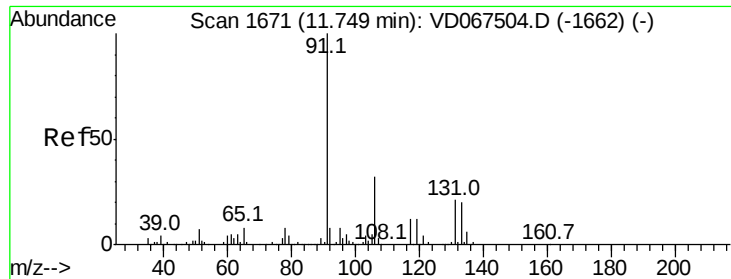
Tot Ion:112 Resp: 377734
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 53.037 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion:131 Resp: 148755
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.0
119 60.0 30.1 90.5

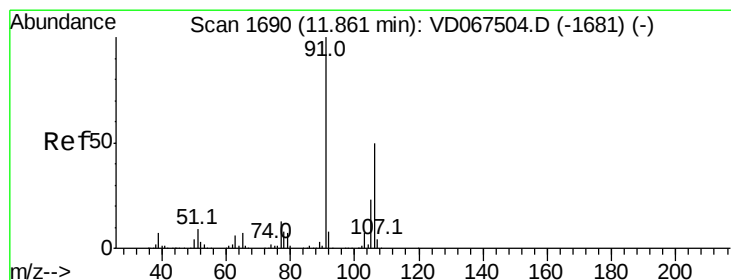
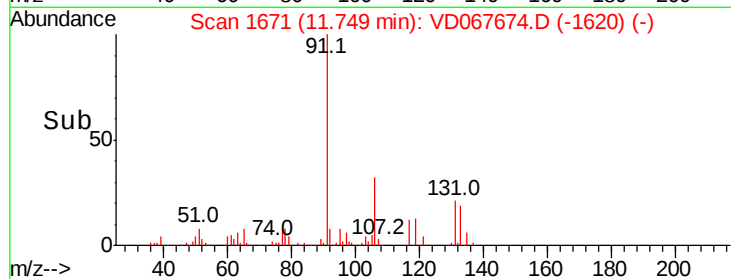
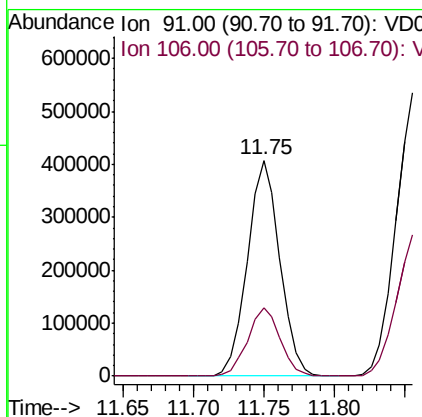
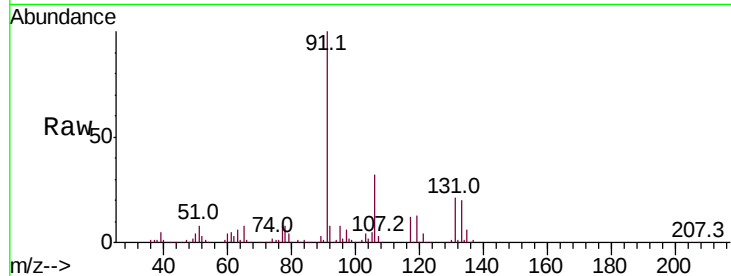




#67
Ethyl Benzene
Concen: 54.034 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

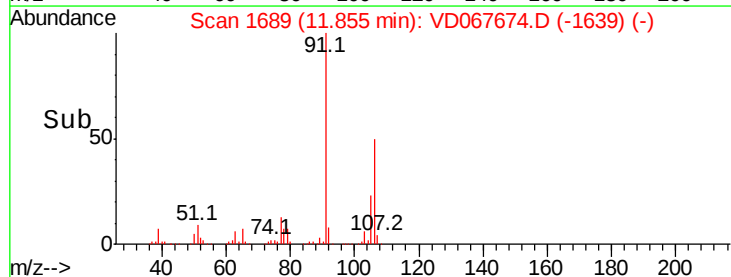
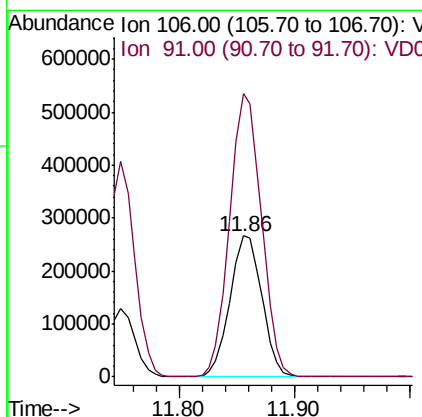
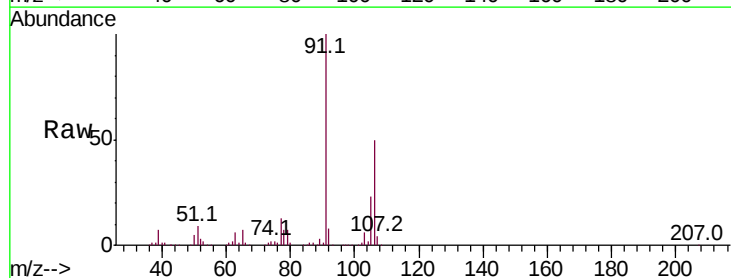
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

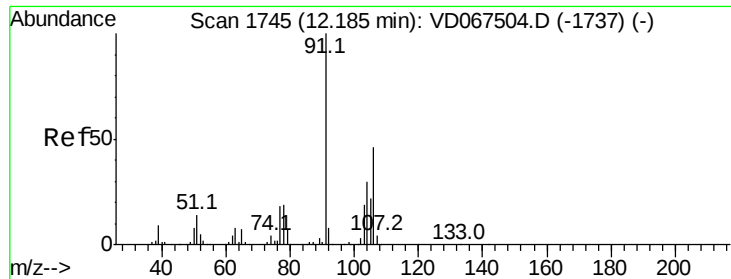
Tot Ion: 91 Resp: 657991
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5



#68
m/p-Xylenes
Concen: 108.161 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 106 Resp: 512411
Ion Ratio Lower Upper
106 100
91 199.8 162.6 244.0

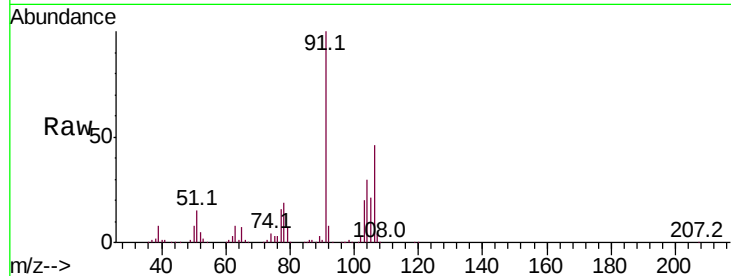




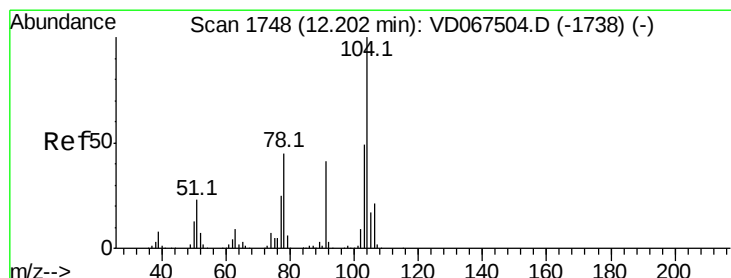
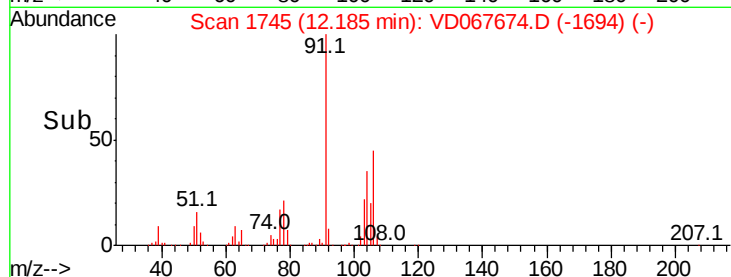
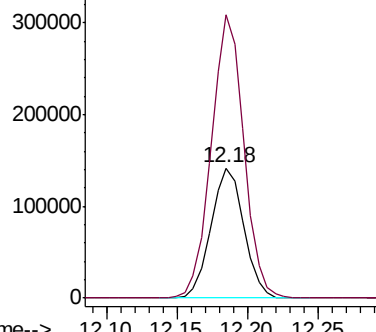
#69
o-Xylene
Concen: 54.856 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 232026
Ion Ratio Lower Upper
106 100
91 213.5 107.1 321.1

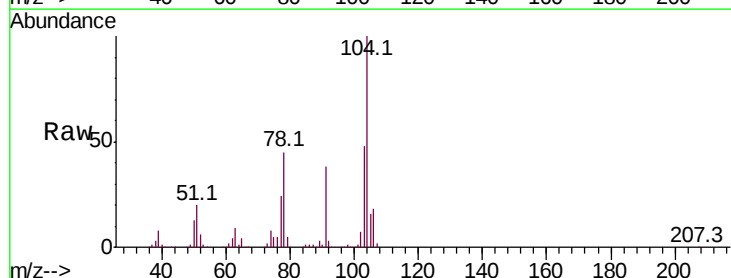


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

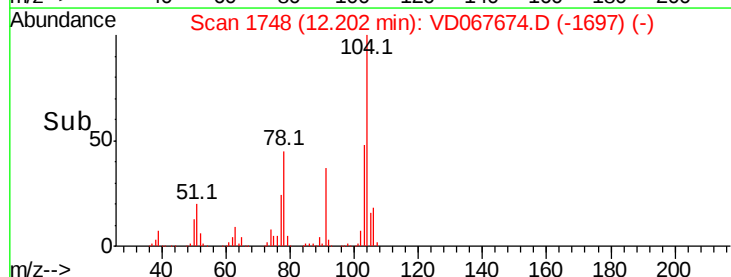
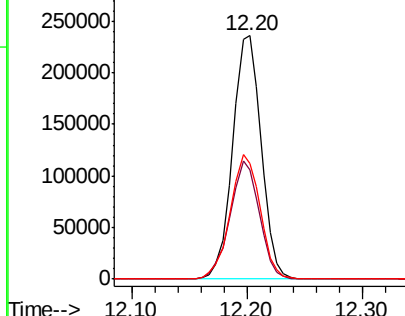


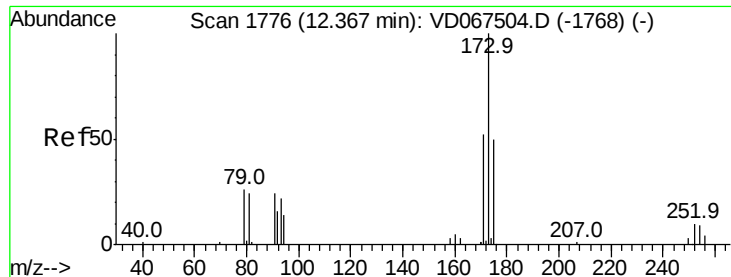
#70
Styrene
Concen: 54.733 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion:104 Resp: 403404
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.8
103 53.8 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.539 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

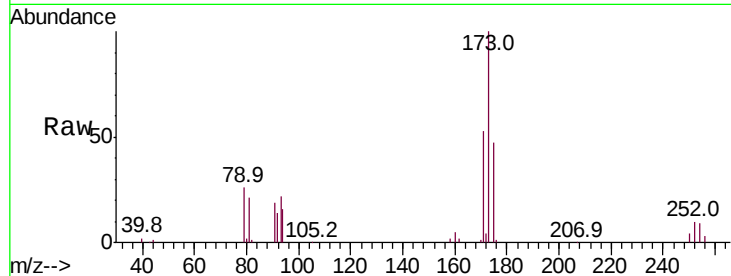
Tot Ion:173 Resp: 78014

Ion Ratio Lower Upper

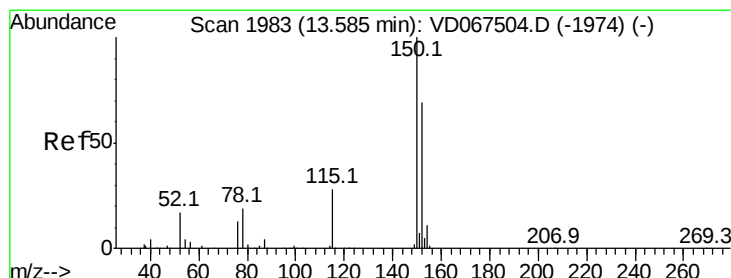
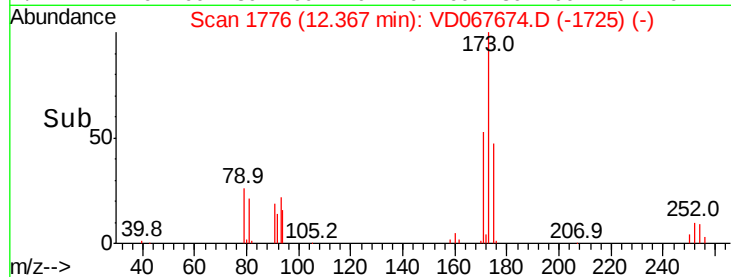
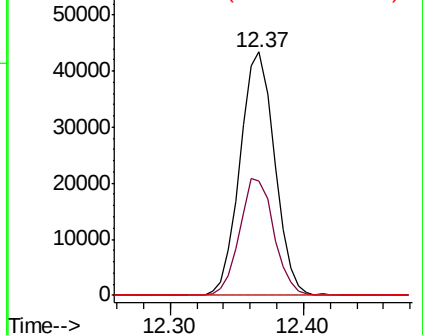
173 100

175 47.4 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: VD067674.D

Acq: 18 Nov 2020 09:42

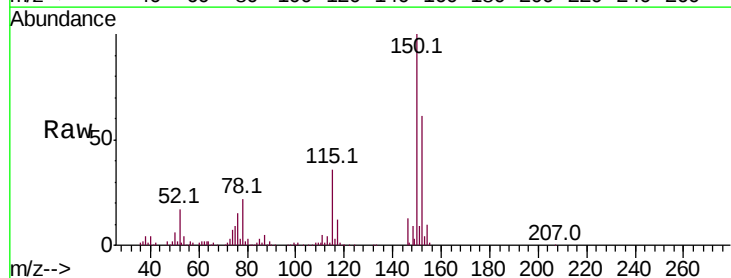
Tgt Ion:152 Resp: 188818

Ion Ratio Lower Upper

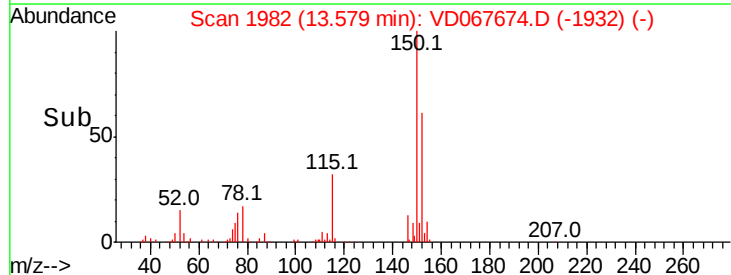
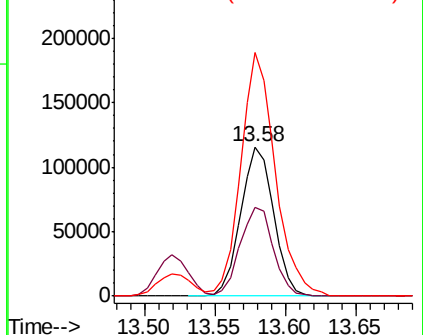
152 100

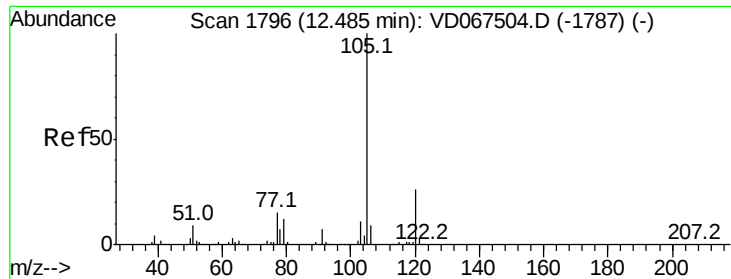
115 59.7 29.3 88.0

150 170.2 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: 53.967 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

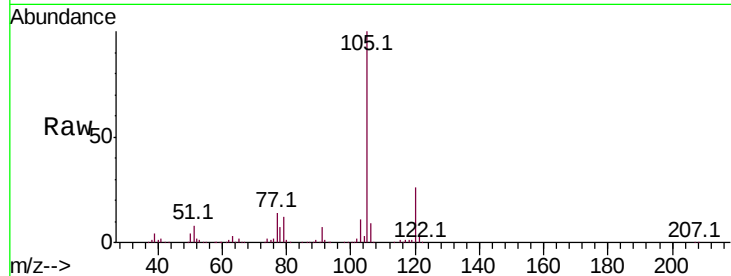
VSTDCCC050

Tot Ion:105 Resp: 658561

Ion Ratio Lower Upper

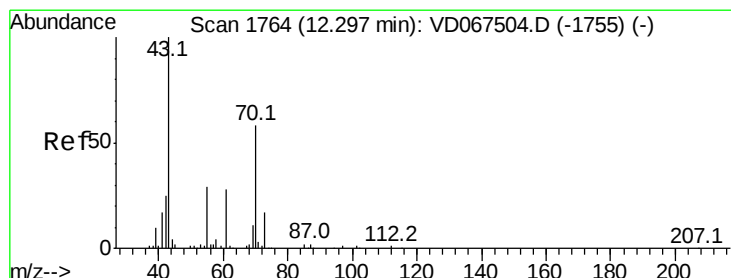
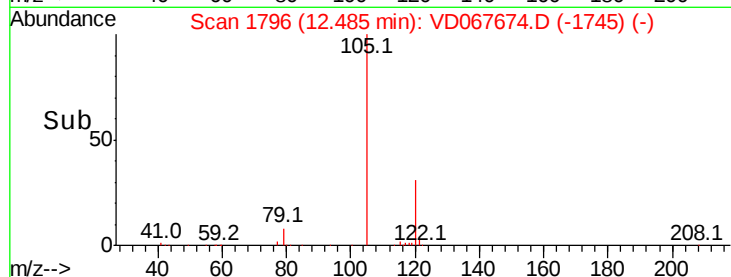
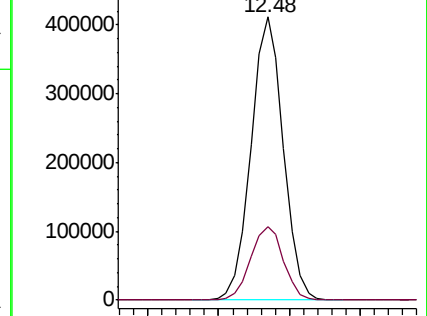
105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.751 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion: 43 Resp: 79886

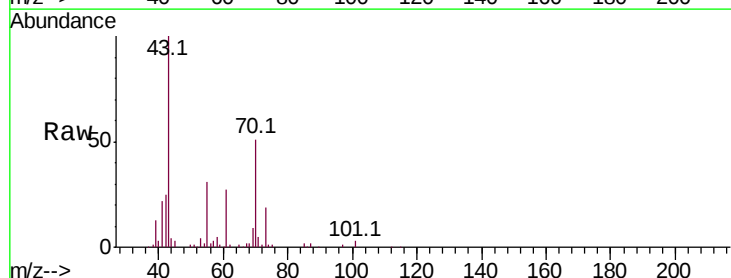
Ion Ratio Lower Upper

43 100

70 52.4 42.6 64.0

55 31.0 23.7 35.5

61 27.4 21.9 32.9

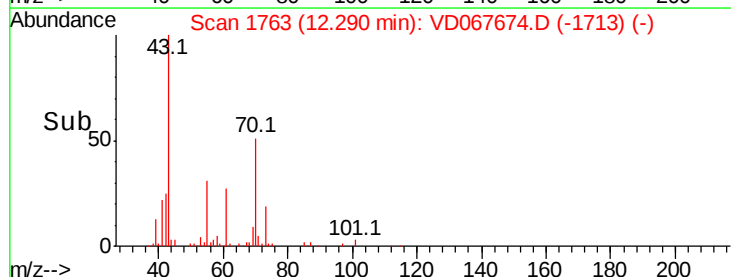
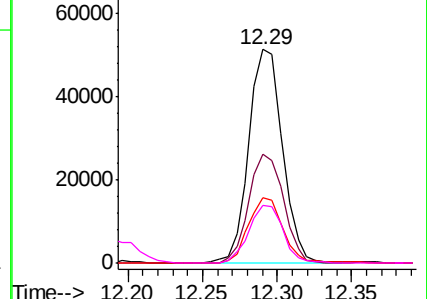


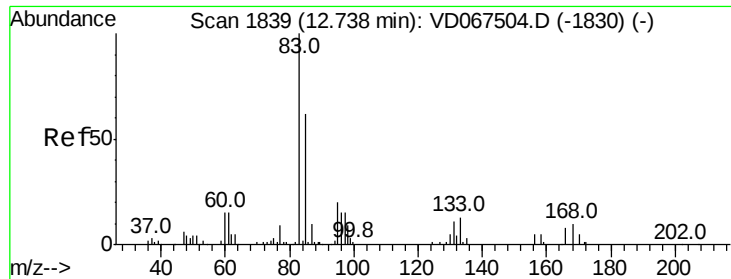
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.070 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

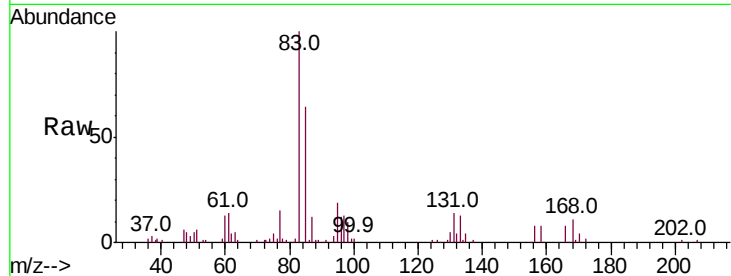
Tot Ion: 83 Resp: 84981

Ion Ratio Lower Upper

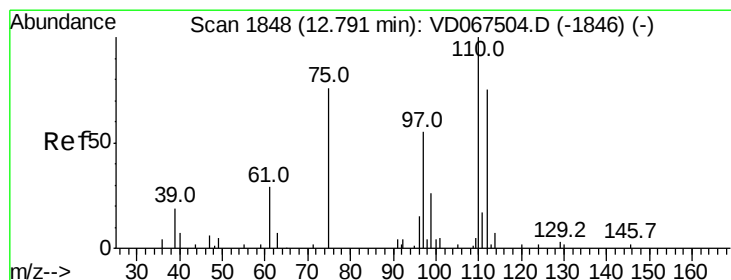
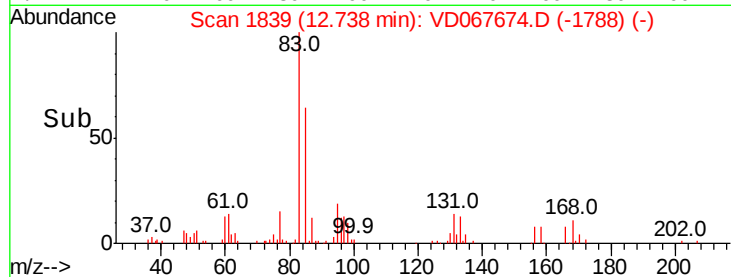
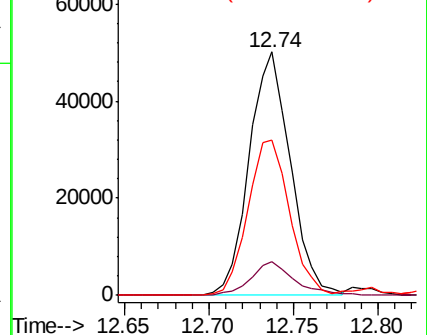
83 100

131 14.5 7.1 21.3

85 64.6 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: 104.102 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067674.D

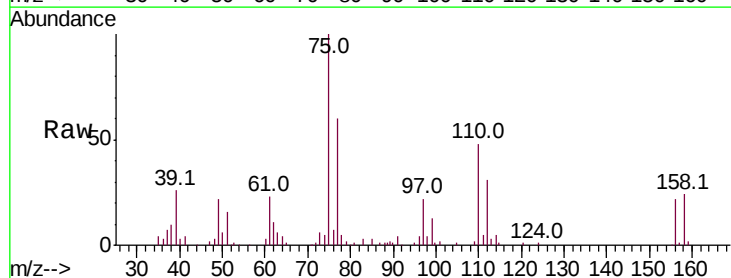
Acq: 18 Nov 2020 09:42

Tgt Ion: 75 Resp: 118578

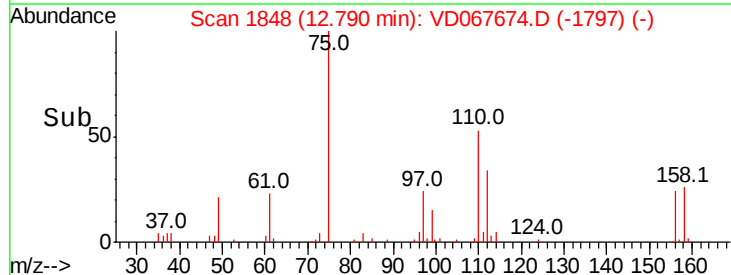
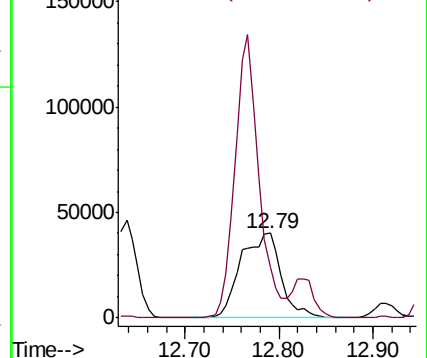
Ion Ratio Lower Upper

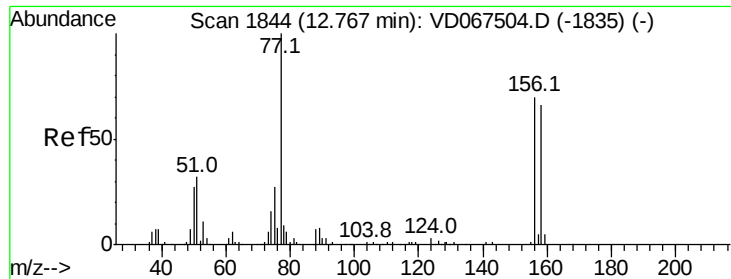
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.311 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

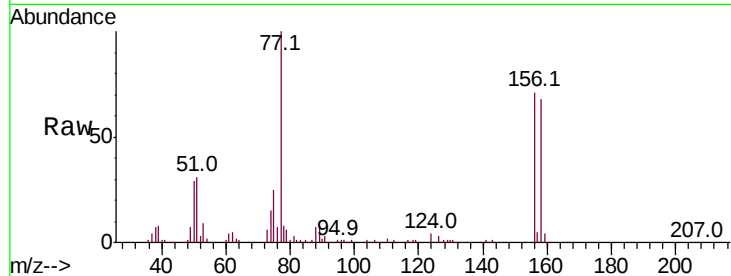
Tot Ion:156 Resp: 156770

Ion Ratio Lower Upper

156 100

77 152.8 77.8 233.5

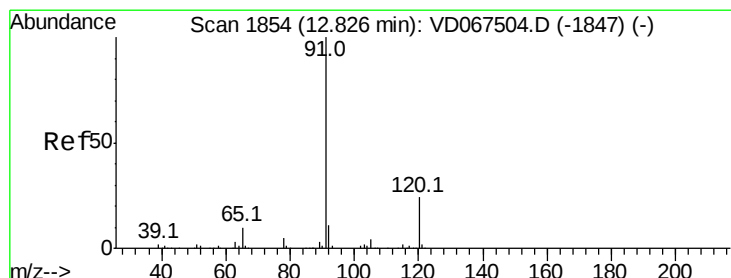
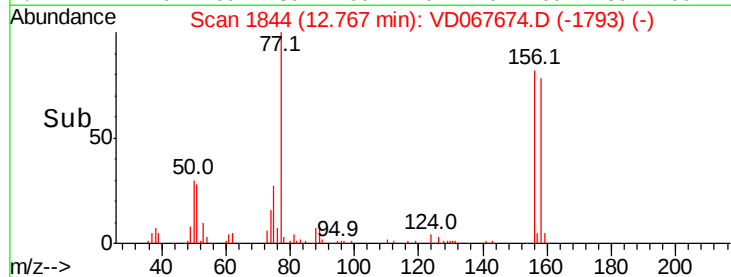
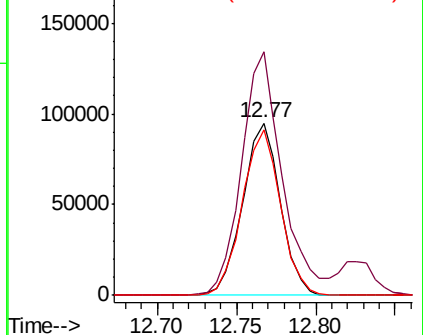
158 97.4 47.9 143.7



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: 53.914 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067674.D

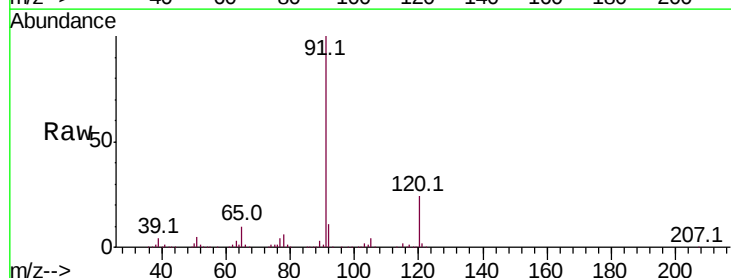
Acq: 18 Nov 2020 09:42

Tgt Ion: 91 Resp: 752533

Ion Ratio Lower Upper

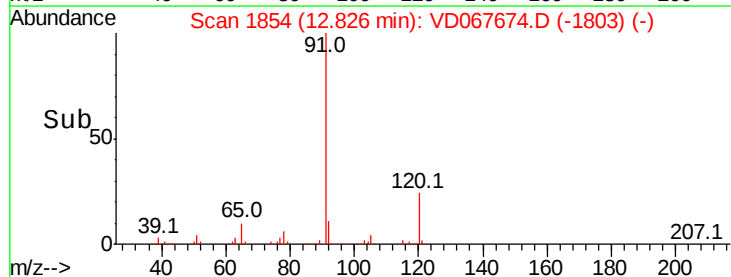
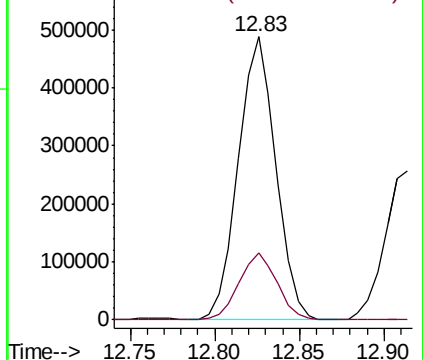
91 100

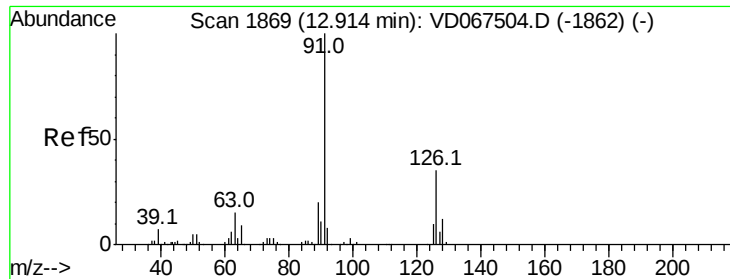
120 23.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

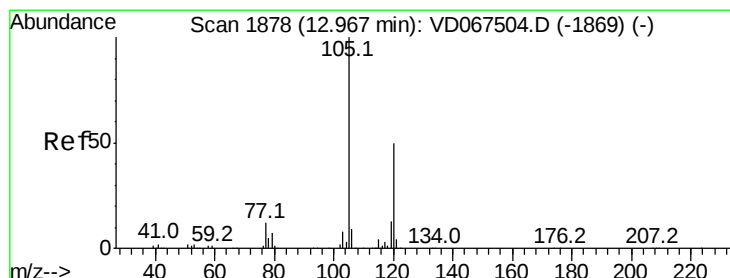
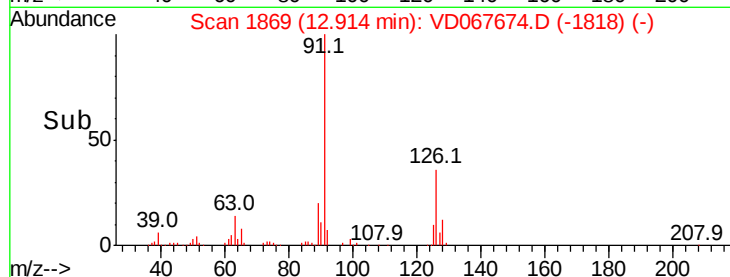
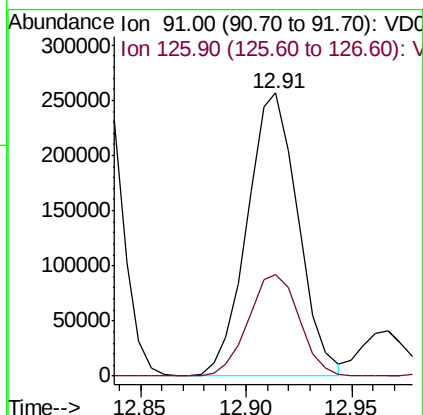
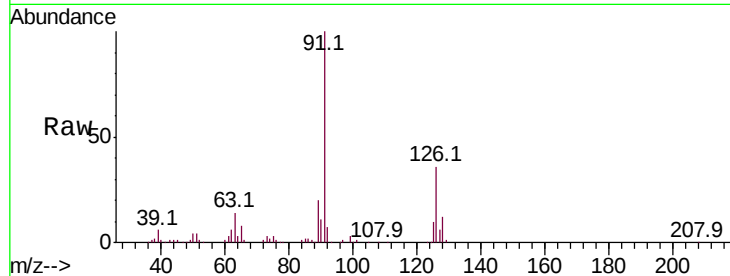




#79
 2-Chlorotoluene
 Concen: 54.120 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

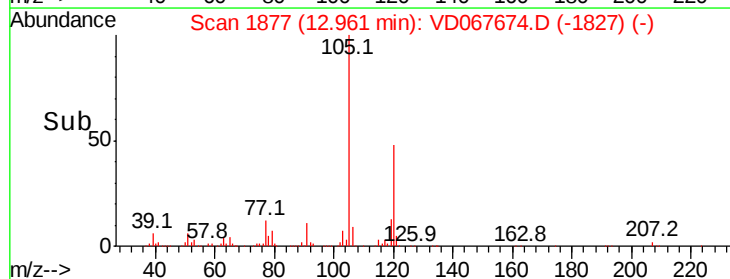
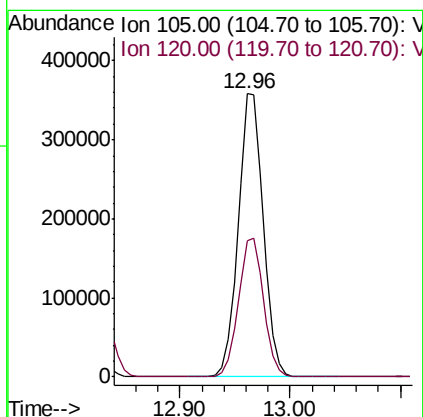
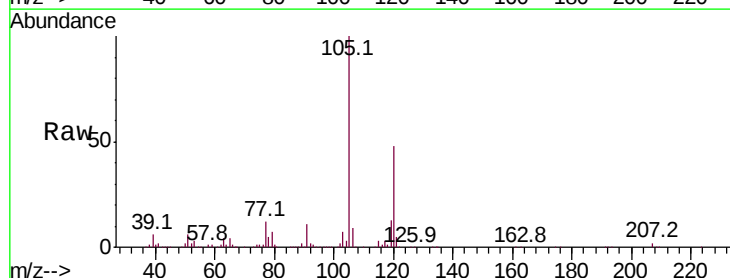
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

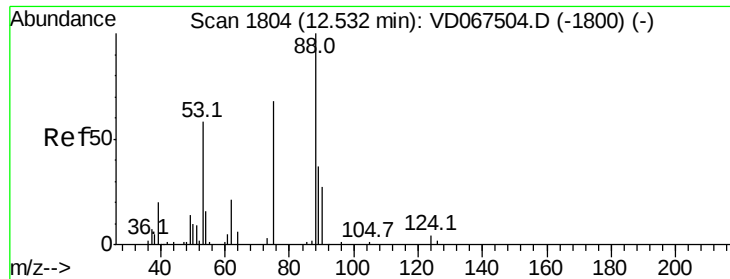
Tot Ion: 91 Resp: 429110
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 54.661 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion: 105 Resp: 569804
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.8

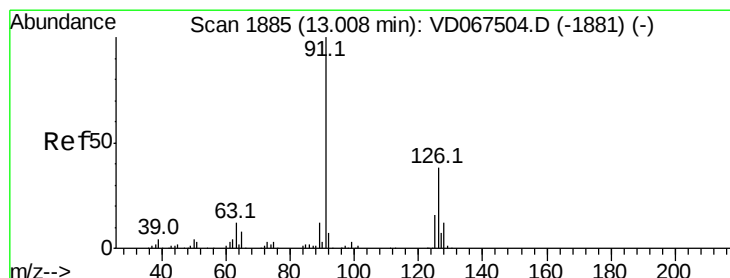
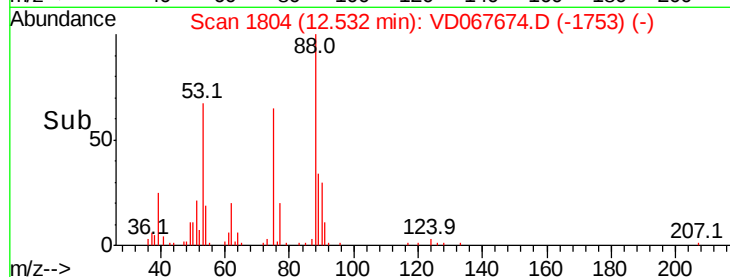
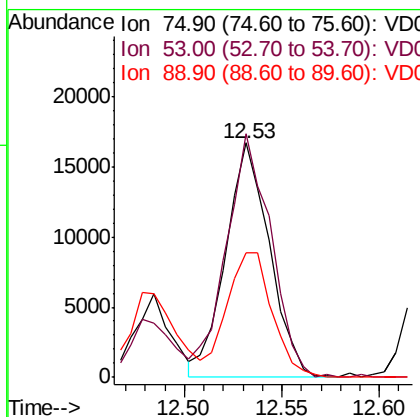
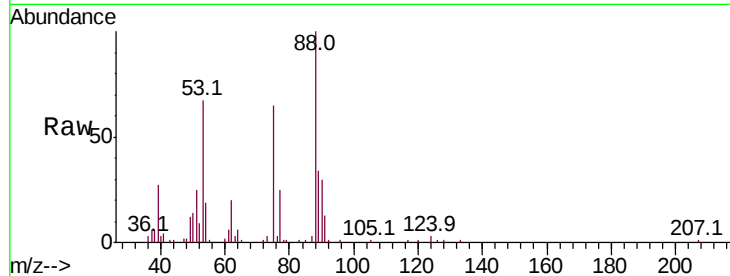




#81
trans-1,4-Dichloro-2-butene
Concen: 46.391 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

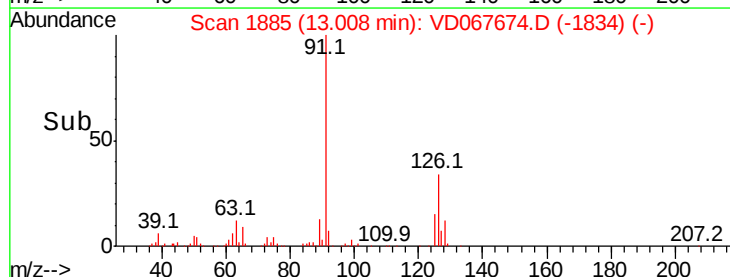
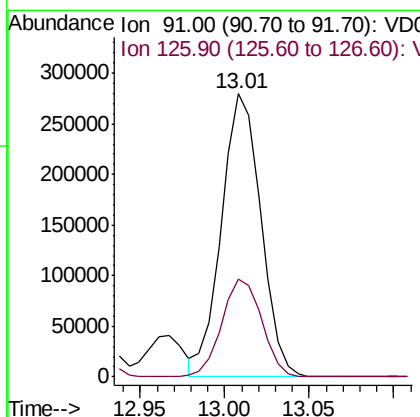
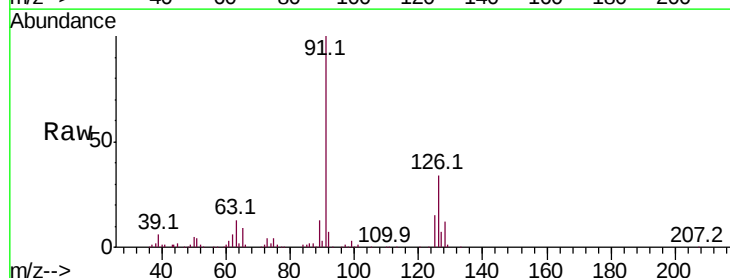
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

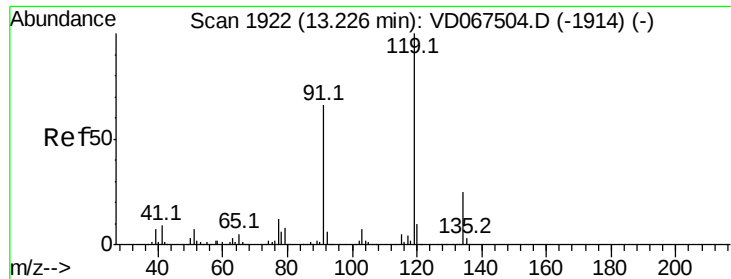
Tot Ion: 75 Resp: 26027
Ion Ratio Lower Upper
75 100
53 105.8 75.9 113.9
89 55.3 44.6 67.0



#82
4-Chlorotoluene
Concen: 53.479 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 91 Resp: 454772
Ion Ratio Lower Upper
91 100
126 35.1 17.9 53.7

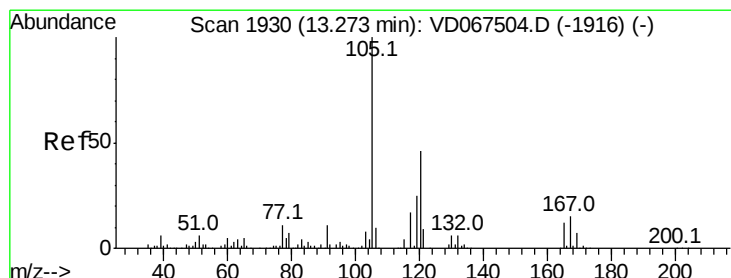
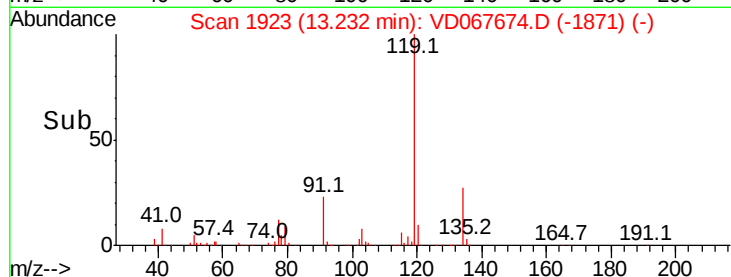
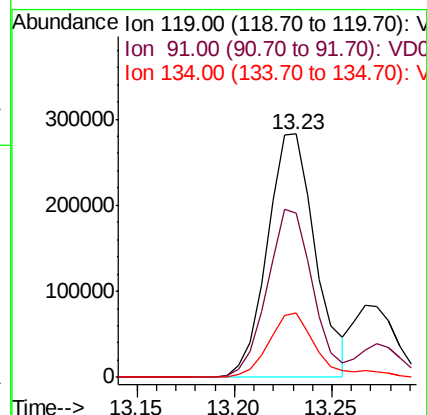
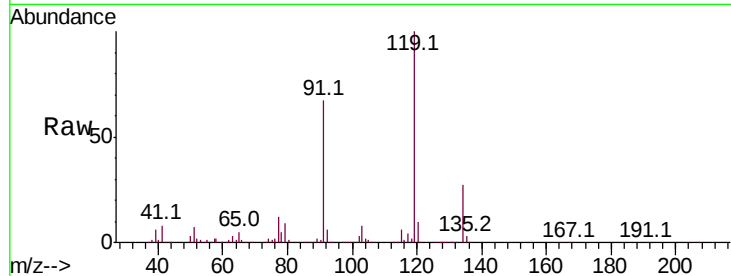




#83
tert-Butylbenzene
Concen: 54.551 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

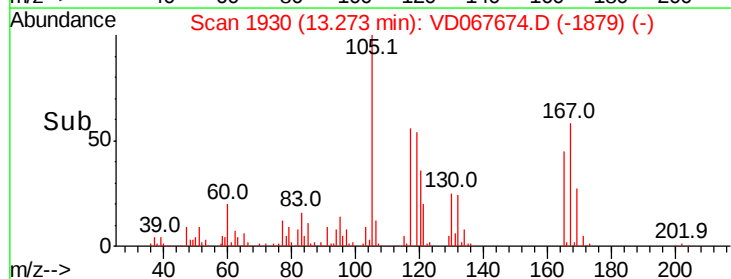
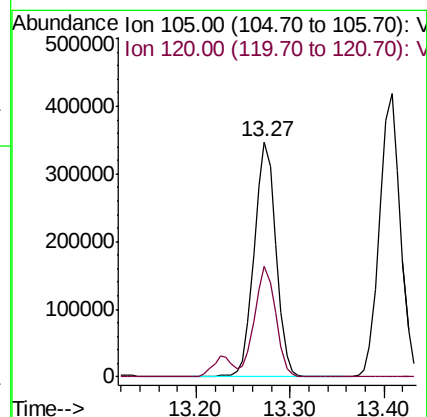
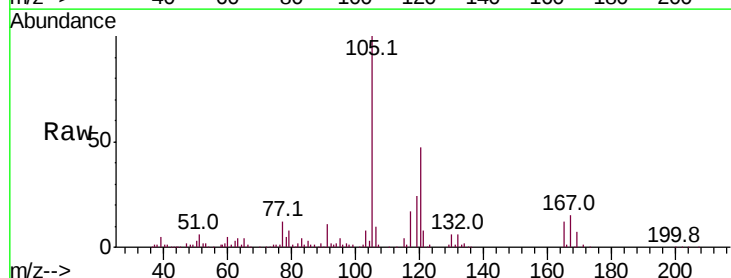
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

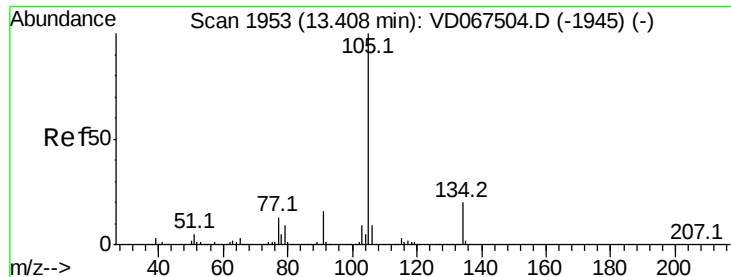
Tot Ion:119 Resp: 481947
Ion Ratio Lower Upper
119 100
91 65.4 32.7 98.1
134 26.8 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 53.806 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion:105 Resp: 558321
Ion Ratio Lower Upper
105 100
120 45.7 22.1 66.1





#85

sec-Butylbenzene

Concen: 53.801 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

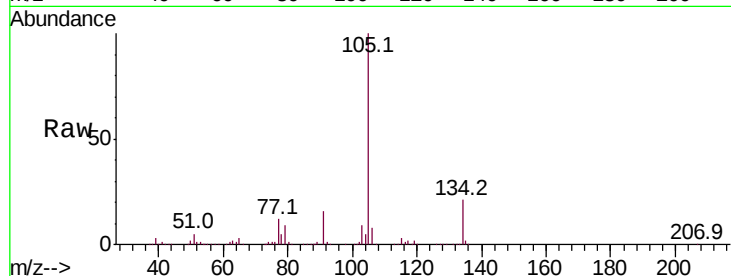
VSTDCCC050

Tot Ion:105 Resp: 641661

Ion Ratio Lower Upper

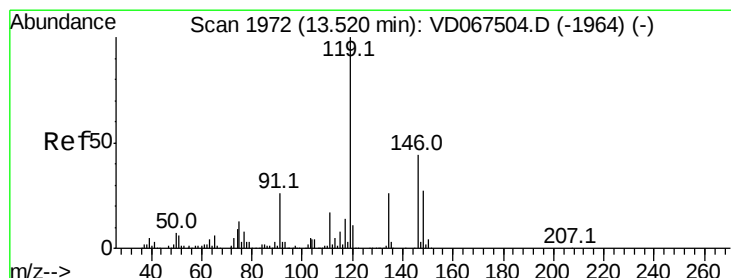
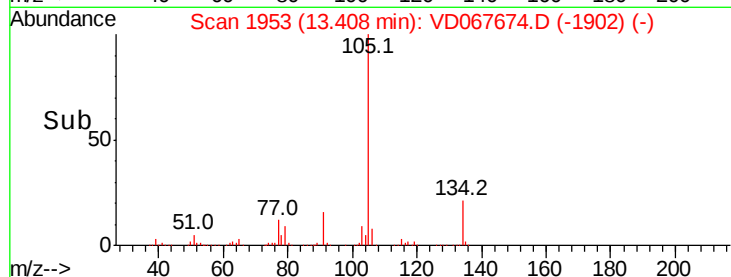
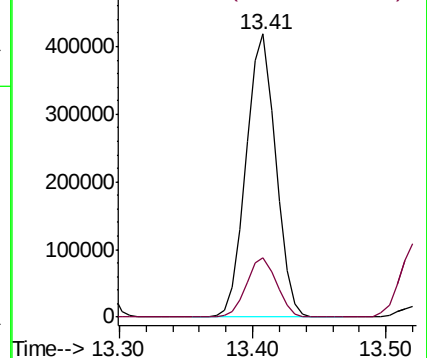
105 100

134 21.3 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: 53.143 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

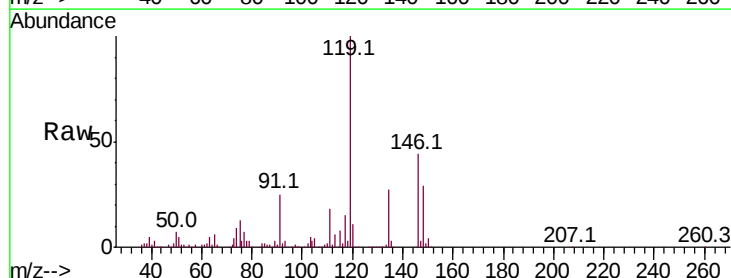
Tgt Ion:119 Resp: 612049

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

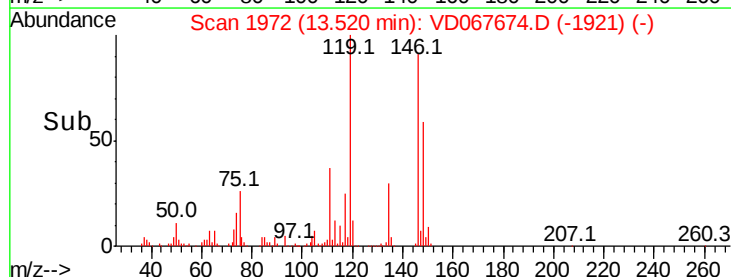
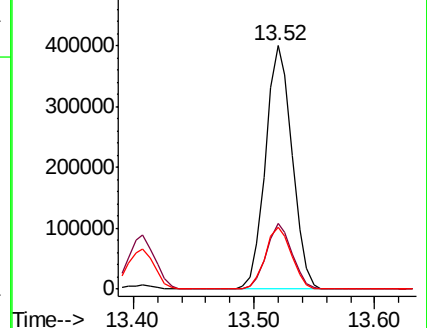
91 24.9 12.2 36.4

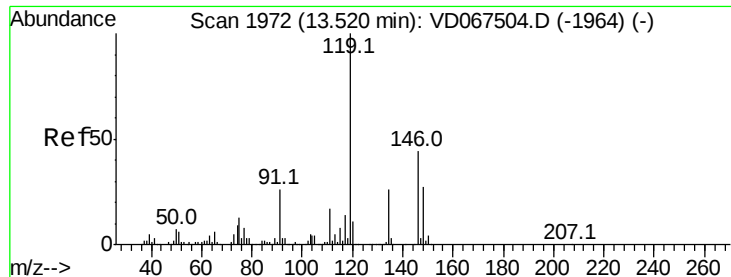


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

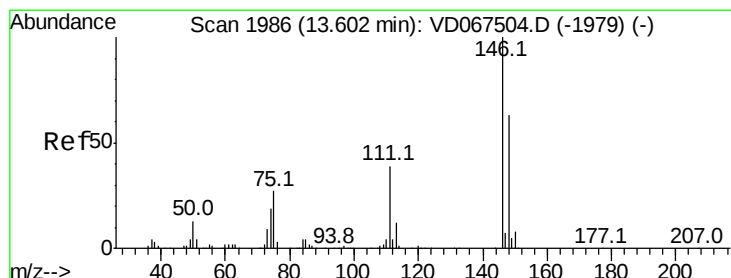
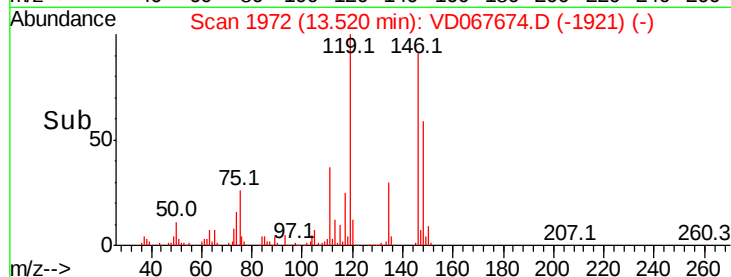
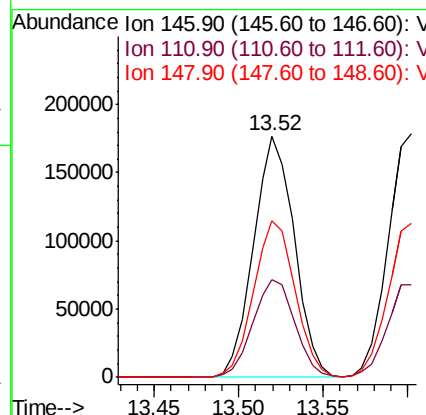
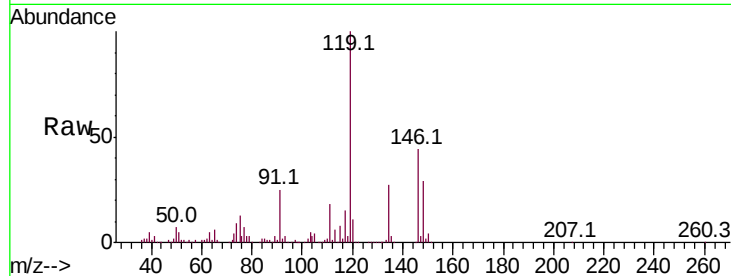




#87
 1,3-Dichlorobenzene
 Concen: 51.801 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

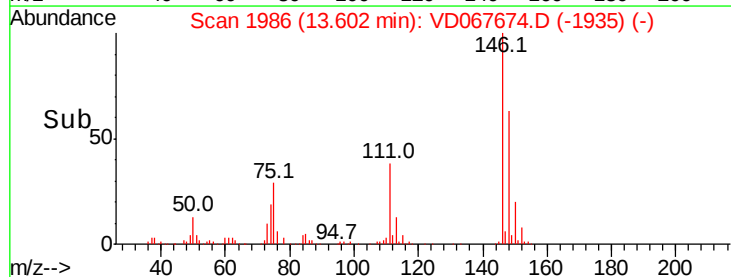
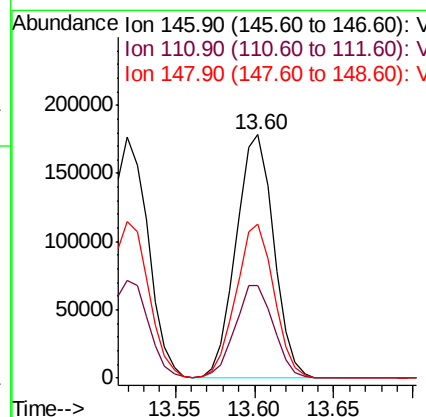
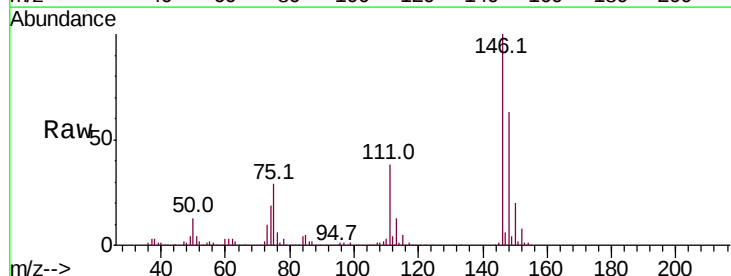
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

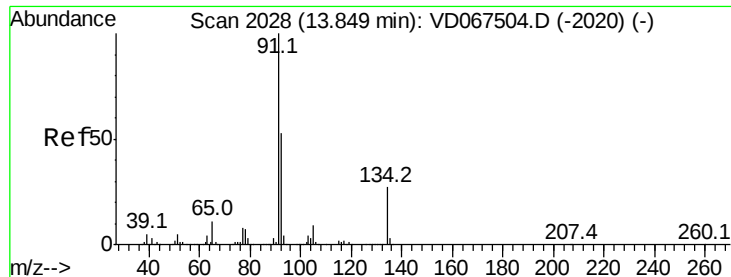
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	65.8	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.956 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.9	31.8	95.4

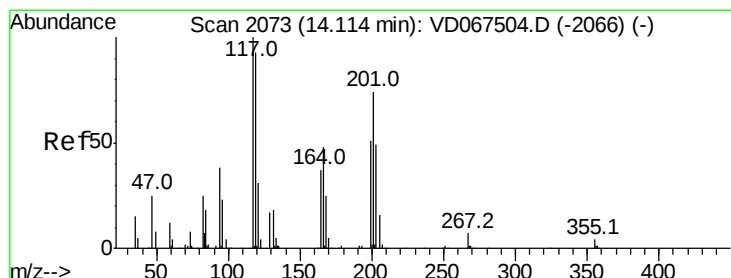
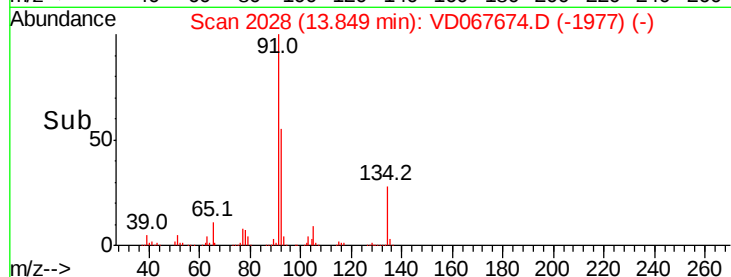
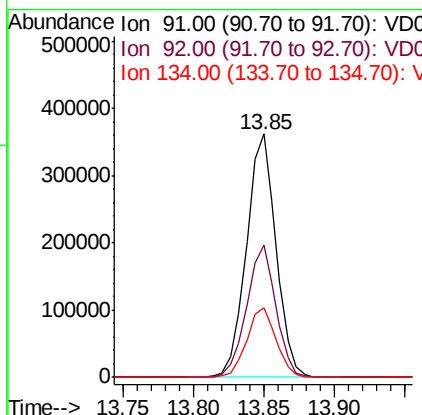
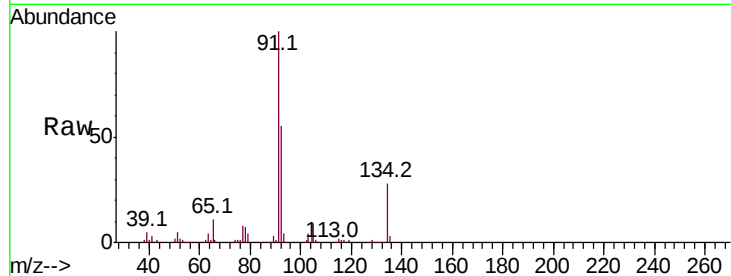




#89
n-Butylbenzene
Concen: 53.377 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

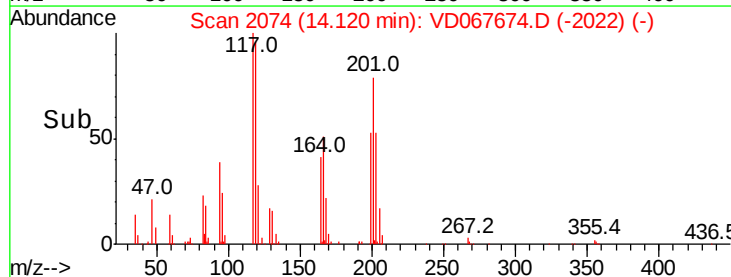
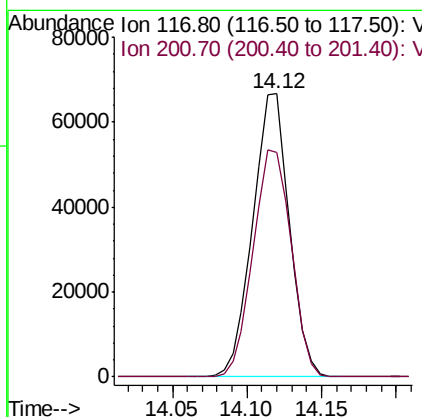
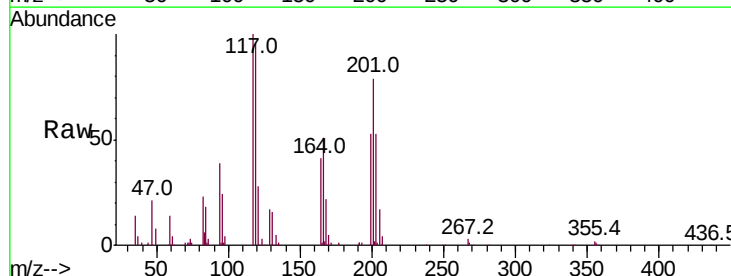
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

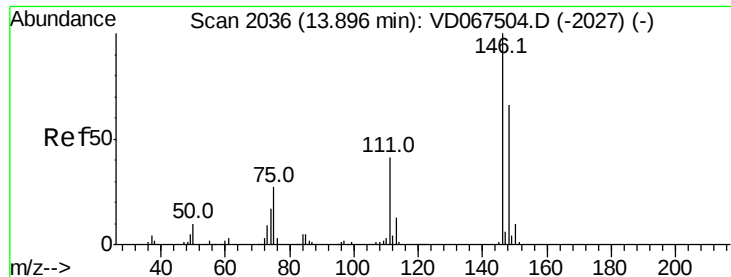
Tot Ion: 91 Resp: 530992
Ion Ratio Lower Upper
91 100
92 53.7 26.6 79.8
134 28.3 14.1 42.2



#90
Hexachloroethane
Concen: 52.193 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 117 Resp: 113200
Ion Ratio Lower Upper
117 100
201 83.3 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 52.202 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

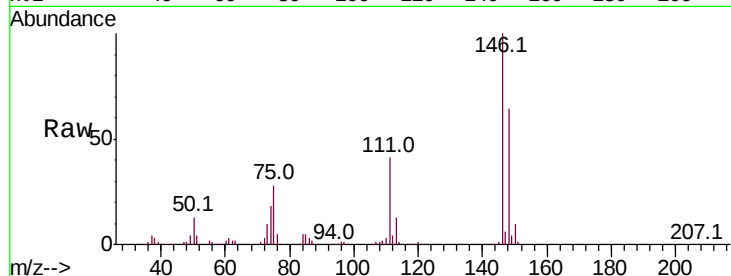
Tot Ion:146 Resp: 258358

Ion Ratio Lower Upper

146 100

111 41.3 20.7 62.1

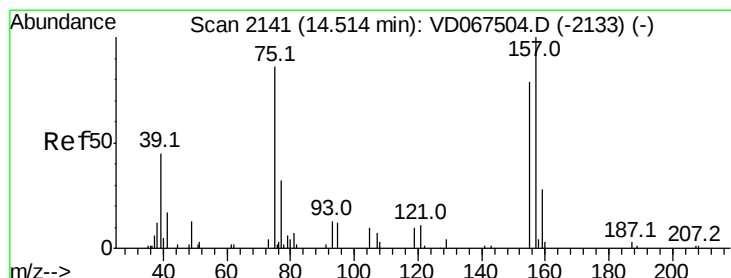
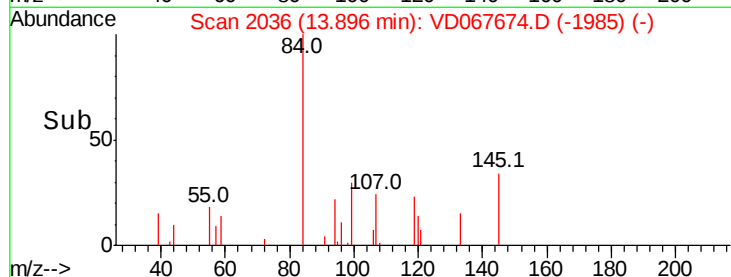
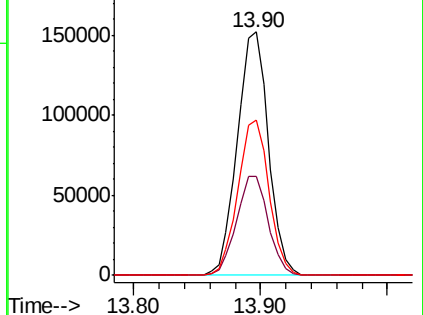
148 63.8 31.5 94.5



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: 51.147 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

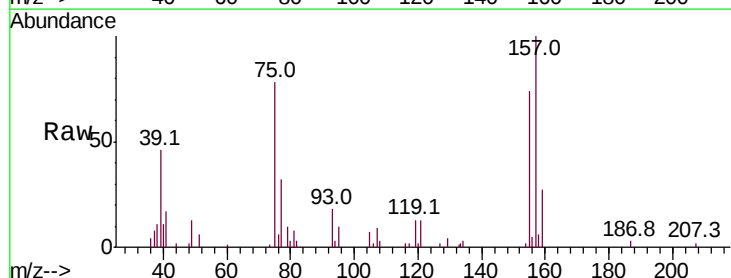
Tgt Ion: 75 Resp: 15069

Ion Ratio Lower Upper

75 100

155 94.8 46.6 139.8

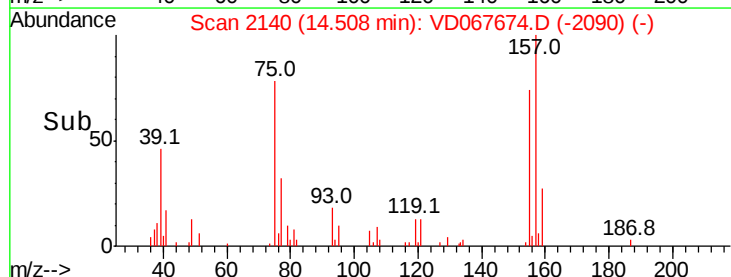
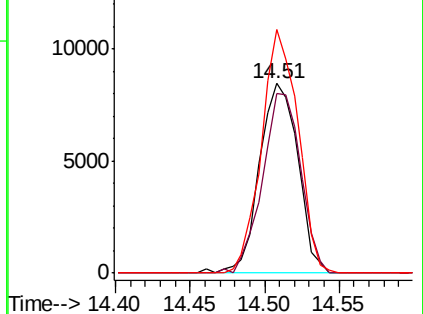
157 122.1 58.1 174.2

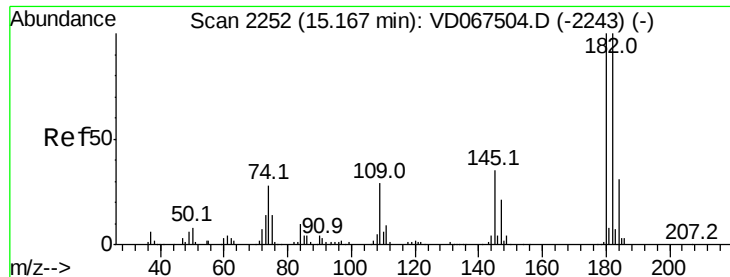


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

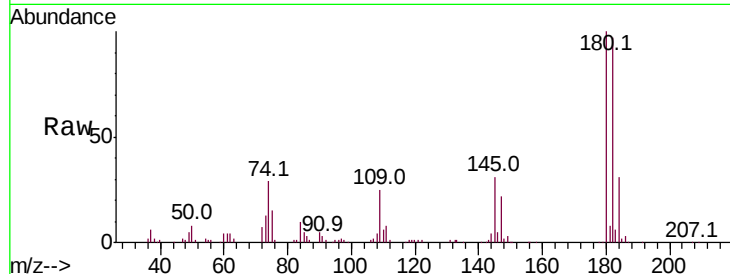




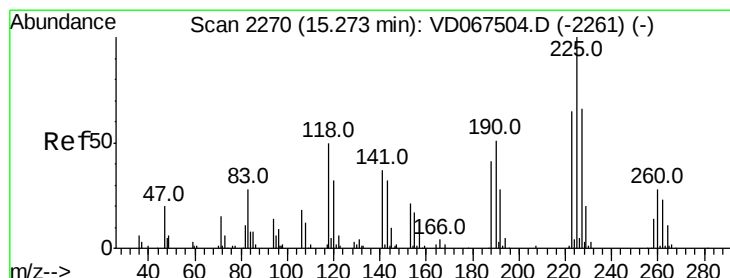
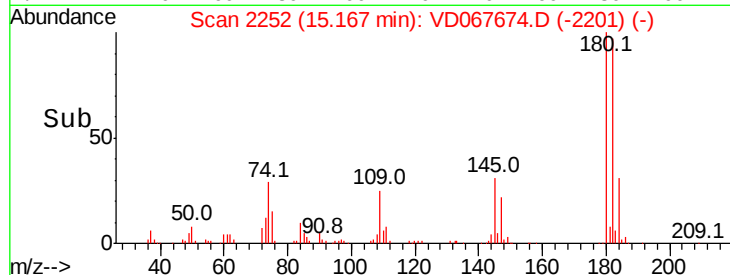
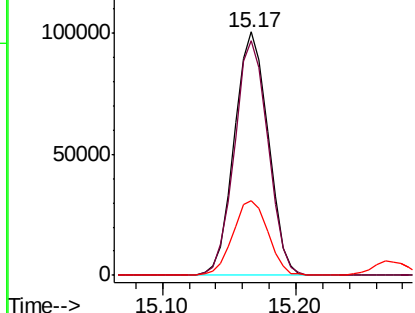
#93
 1,2,4-Trichlorobenzene
 Concen: 52.587 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	32.0	16.2	48.6

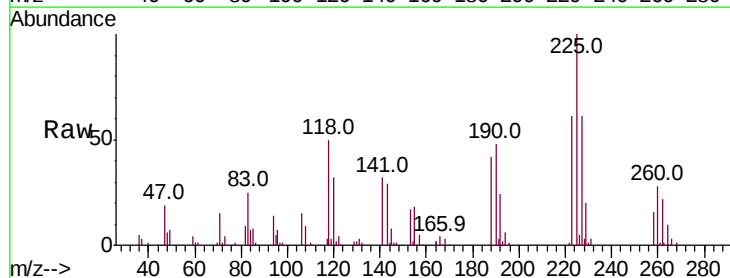


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

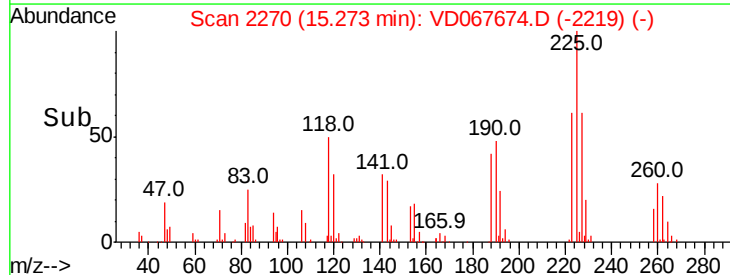
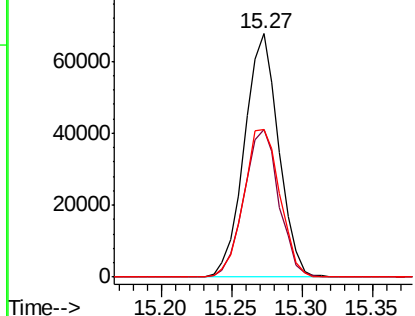


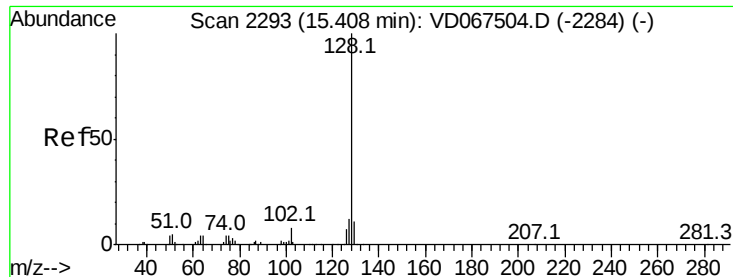
#94
 Hexachlorobutadiene
 Concen: 51.196 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.9	95.5
227	64.5	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: 53.516 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

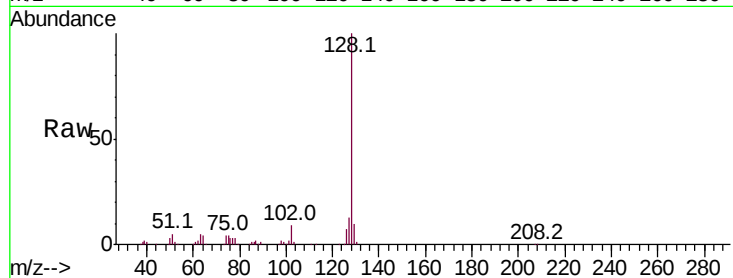
Tot Ion:128 Resp: 277420

Ion Ratio Lower Upper

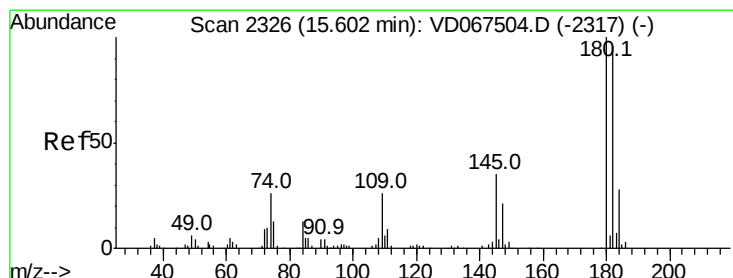
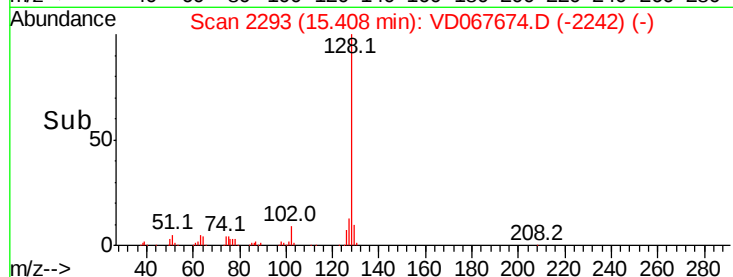
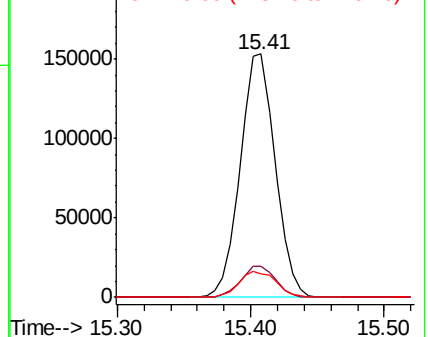
128 100

127 12.7 10.2 15.4

129 11.3 8.9 13.3



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



#96

1,2,3-Trichlorobenzene

Concen: 51.856 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

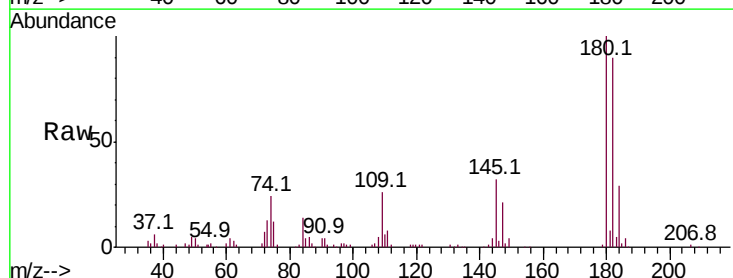
Tgt Ion:180 Resp: 149165

Ion Ratio Lower Upper

180 100

182 94.2 46.9 140.8

145 33.9 17.1 51.2



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

