

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067290.D
 Acq On : 16 Oct 2020 10:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 17 00:37:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	332453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	449653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162337	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	7.91	113	161683	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.34	98	590276	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	207090	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	129796	48.508	ug/l	95
3) Chloromethane	2.21	50	91071	43.527	ug/l	98
4) Vinyl Chloride	2.35	62	105200	45.825	ug/l	99
5) Bromomethane	2.77	94	79092	49.485	ug/l	95
6) Chloroethane	2.92	64	64582	45.172	ug/l	89
7) Trichlorofluoromethane	3.27	101	273341	47.285	ug/l	100
8) Diethyl Ether	3.71	74	59712	45.141	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	143624	46.764	ug/l	99
10) Methyl Iodide	4.30	142	131498	46.414	ug/l	98
11) Tert butyl alcohol	5.21	59	40766	232.165	ug/l	97
12) 1,1-Dichloroethene	4.07	96	127811	46.582	ug/l	93
13) Acrolein	3.92	56	41362	211.444	ug/l	98
14) Allyl chloride	4.71	41	142837	45.458	ug/l	98
15) Acrylonitrile	5.42	53	103967	235.552	ug/l	98
16) Acetone	4.16	43	123309	264.349	ug/l	99
17) Carbon Disulfide	4.41	76	351621	44.953	ug/l	99
18) Methyl Acetate	4.71	43	48474	45.561	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	257924	47.275	ug/l	99
20) Methylene Chloride	4.96	84	140841	46.854	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	146318	46.340	ug/l	93
22) Diisopropyl ether	6.36	45	283791	49.441	ug/l	97
23) Vinyl Acetate	6.30	43	821816	251.659	ug/l	99
24) 1,1-Dichloroethane	6.26	63	232596	47.338	ug/l	99
25) 2-Butanone	7.21	43	125903	236.784	ug/l	91
26) 2,2-Dichloropropane	7.21	77	243816	48.143	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	164944	47.664	ug/l	98
28) Bromochloromethane	7.55	49	82200	49.048	ug/l #	98
29) Tetrahydrofuran	7.56	42	70237	237.631	ug/l	93
30) Chloroform	7.71	83	282441	48.119	ug/l	93
31) Cyclohexane	7.98	56	171666	44.749	ug/l	87
32) 1,1,1-Trichloroethane	7.91	97	281734	48.920	ug/l	99
36) 1,1-Dichloropropene	8.11	75	202774	49.484	ug/l	99
37) Ethyl Acetate	7.29	43	59195	49.099	ug/l #	92
38) Carbon Tetrachloride	8.10	117	261474	49.925	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214458	50.061	ug/l	99
40) Benzene	8.35	78	562236	50.013	ug/l	98
41) Methacrylonitrile	7.53	41	34540	53.016	ug/l #	61
42) 1,2-Dichloroethane	8.43	62	174207	49.518	ug/l	100
43) Isopropyl Acetate	8.45	43	115939	48.464	ug/l	99
44) Trichloroethene	9.11	130	177995	49.452	ug/l	96
45) 1,2-Dichloropropane	9.39	63	125145	48.034	ug/l	94
46) Dibromomethane	9.48	93	79096	48.726	ug/l	97
47) Bromodichloromethane	9.67	83	219275	50.418	ug/l	95
48) Methyl methacrylate	9.46	41	58696	50.488	ug/l	95
49) 1,4-Dioxane	9.46	88	15994	1018.716	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	294181	246.548	ug/l	100
52) Toluene	10.40	92	392074	51.206	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	194629	50.943	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	218463	48.860	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	111321	50.291	ug/l	98
56) Ethyl methacrylate	10.66	69	119750	52.163	ug/l	96
57) 1,3-Dichloropropane	10.95	76	179189	50.867	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	319532	271.321	ug/l	98
59) 2-Hexanone	10.99	43	213858	262.290	ug/l	98
60) Dibromochloromethane	11.14	129	162269	50.267	ug/l	99
61) 1,2-Dibromoethane	11.25	107	106924	48.997	ug/l	99
64) Tetrachloroethene	10.88	164	157591	48.372	ug/l	93
65) Chlorobenzene	11.67	112	427316	49.558	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	172443	50.319	ug/l	99
67) Ethyl Benzene	11.75	91	746442	50.501	ug/l	99
68) m/p-Xylenes	11.86	106	576641	101.310	ug/l	99
69) o-Xylene	12.18	106	259686	49.270	ug/l	99
70) Styrene	12.20	104	462706	50.997	ug/l	99
71) Bromoform	12.37	173	92461	50.221	ug/l #	97
73) Isopropylbenzene	12.48	105	750450	52.629	ug/l	100
74) N-amyl acetate	12.29	43	105583	49.026	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	108913	49.849	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	145325	93.325	ug/l #	100
77) Bromobenzene	12.77	156	180447	50.759	ug/l	99
78) n-propylbenzene	12.83	91	860508	52.085	ug/l	100
79) 2-Chlorotoluene	12.91	91	490771	51.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	647741	52.274	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33698	49.073	ug/l	97
82) 4-Chlorotoluene	13.01	91	527484	51.873	ug/l	99
83) tert-Butylbenzene	13.23	119	557116	53.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	647465	52.867	ug/l	98
85) sec-Butylbenzene	13.41	105	749114	52.158	ug/l	100
86) p-Isopropyltoluene	13.52	119	706268	52.099	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	341085	49.848	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	343578	50.681	ug/l	98
89) n-Butylbenzene	13.85	91	625878	52.480	ug/l	99
90) Hexachloroethane	14.11	117	118474	50.082	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	303013	50.692	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20172	50.821	ug/l	90

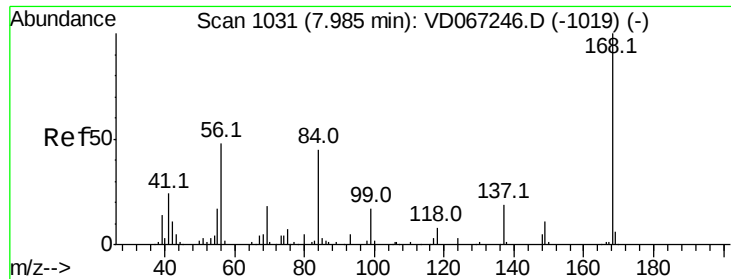
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	203221	50.424	ug/l	99
94) Hexachlorobutadiene	15.28	225	136167	54.408	ug/l	98
95) Naphthalene	15.41	128	346300	52.336	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	181584	52.153	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

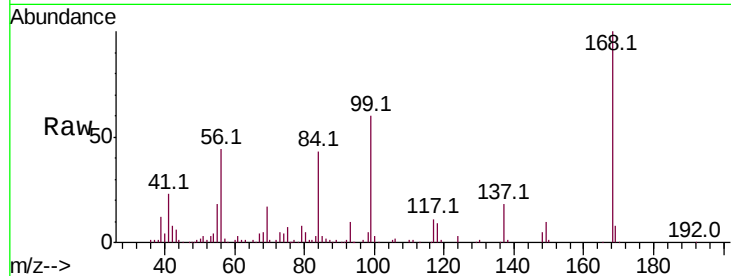
VSTDCCC050

Tot Ion:168 Resp: 332453

Ion Ratio Lower Upper

168 100

99 59.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

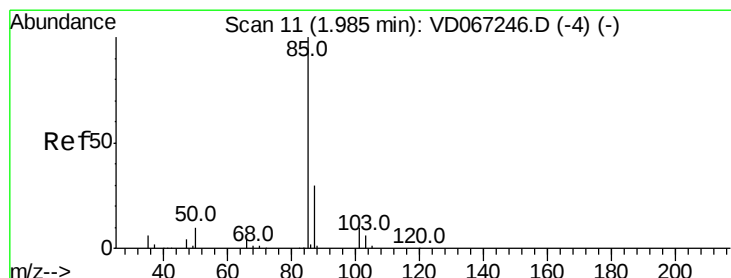
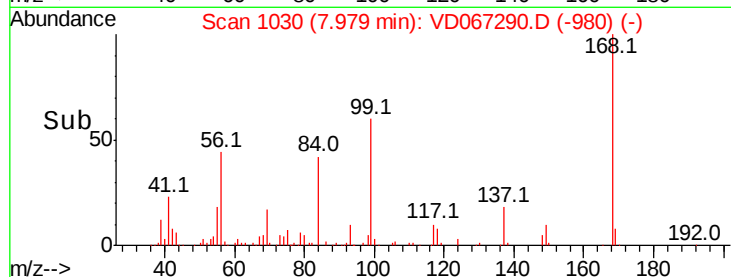
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.508 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067290.D

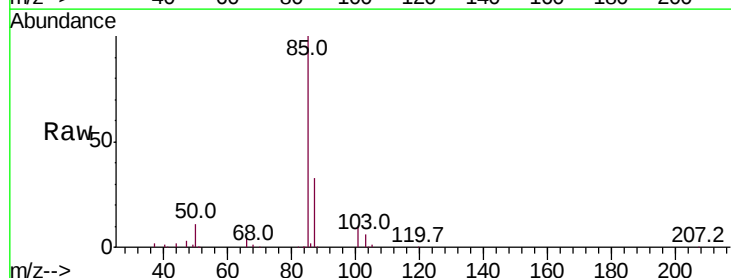
Acq: 16 Oct 2020 10:46

Tgt Ion: 85 Resp: 129796

Ion Ratio Lower Upper

85 100

87 33.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

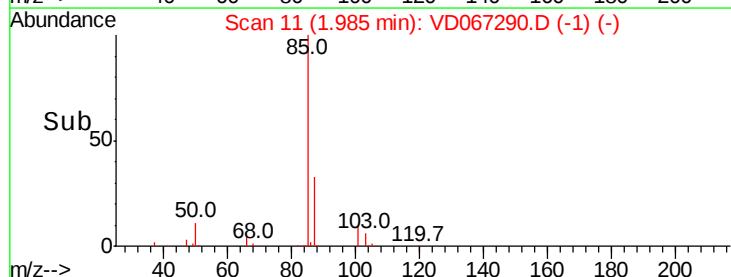
40000

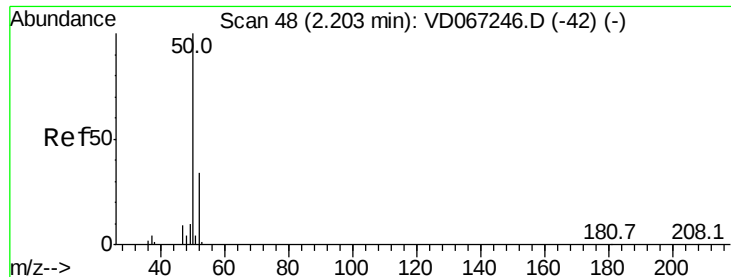
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

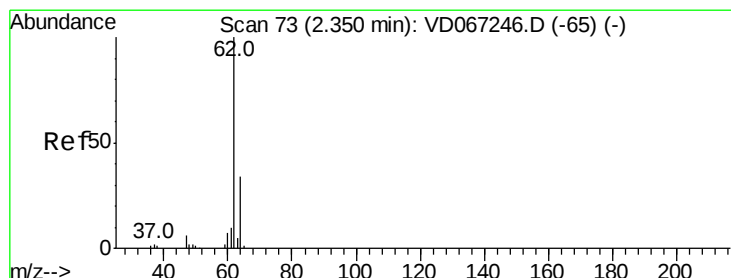
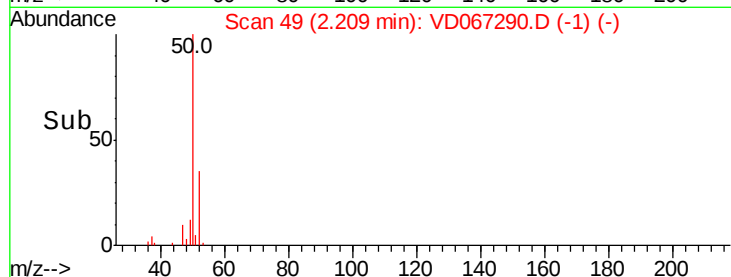
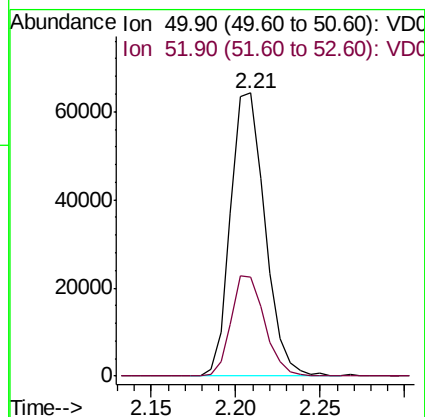
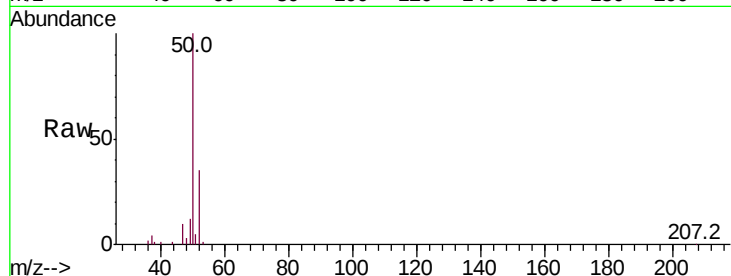
VSTDCCC050

Tot Ion: 50 Resp: 91071

Ion Ratio Lower Upper

50 100

52 34.8 27.1 40.7



#4

Vinyl Chloride

Concen: 45.825 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067290.D

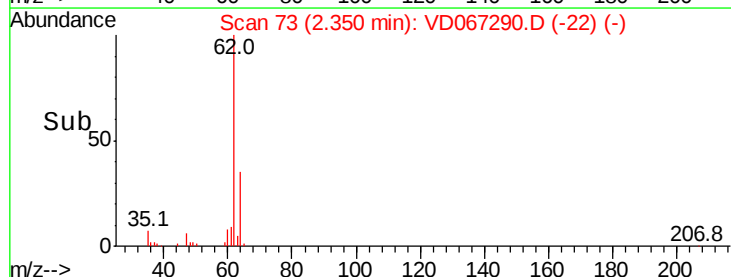
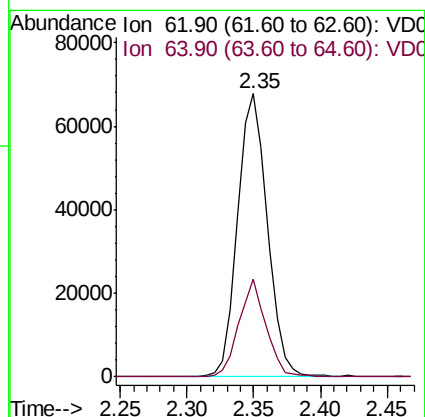
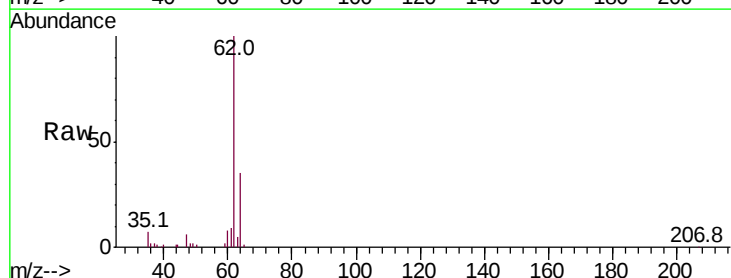
Acq: 16 Oct 2020 10:46

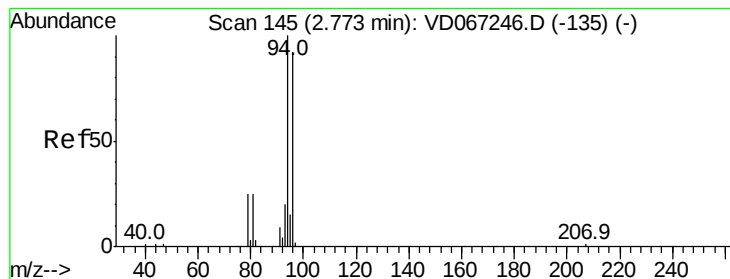
Tgt Ion: 62 Resp: 105200

Ion Ratio Lower Upper

62 100

64 34.7 27.4 41.0





#5

Bromomethane

Concen: 49.485 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

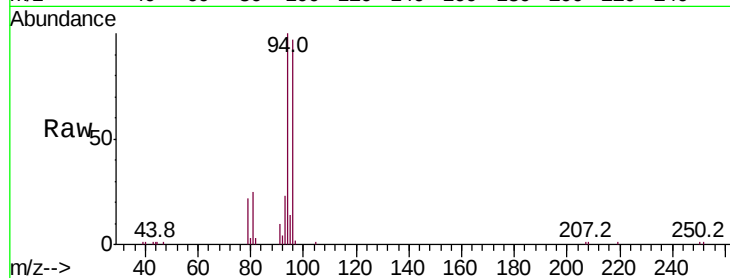
VSTDCCC050

Tot Ion: 94 Resp: 79092

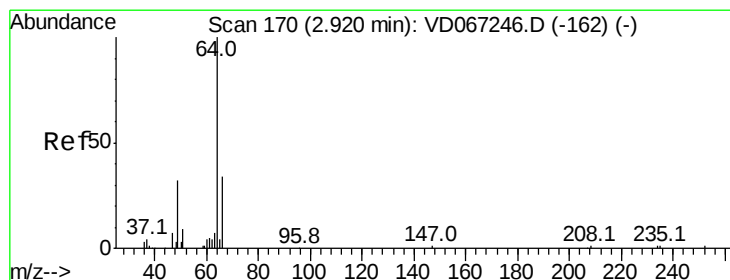
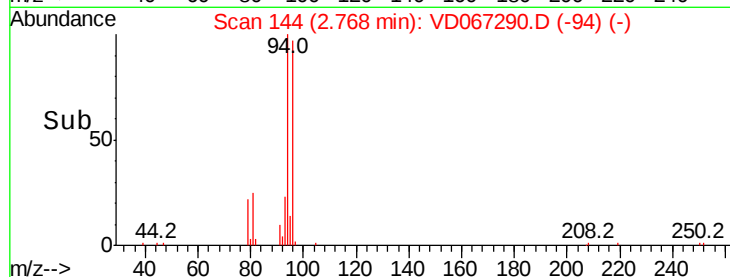
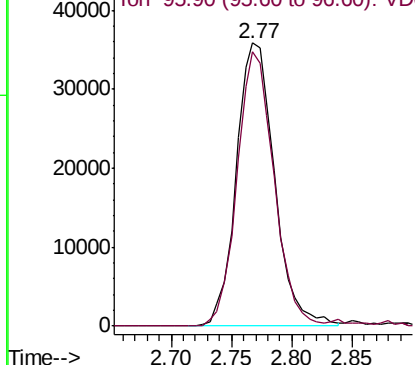
Ion Ratio Lower Upper

94 100

96 96.9 73.8 110.6



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



#6

Chloroethane

Concen: 45.172 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067290.D

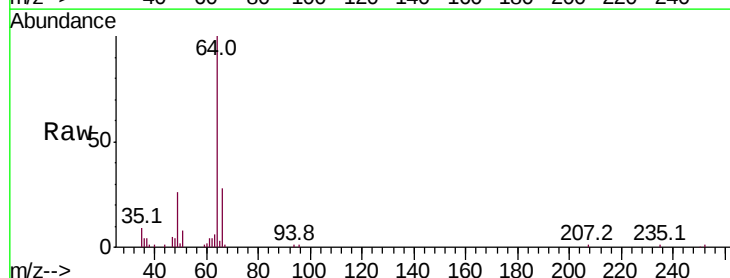
Acq: 16 Oct 2020 10:46

Tgt Ion: 64 Resp: 64582

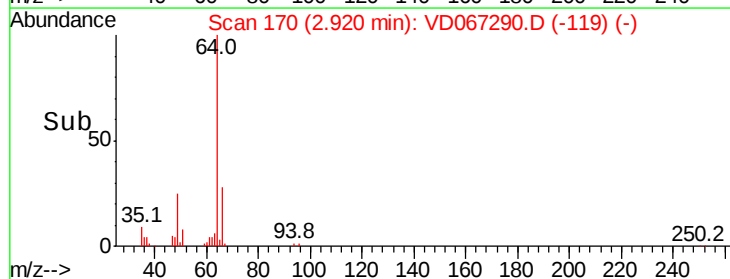
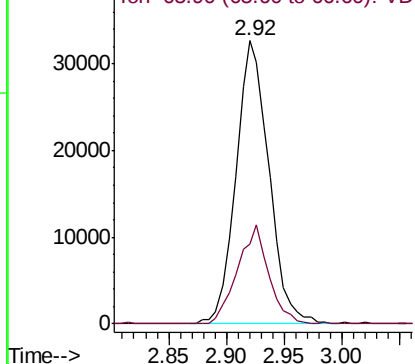
Ion Ratio Lower Upper

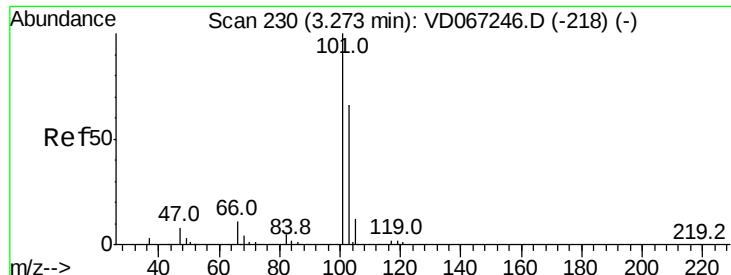
64 100

66 28.0 27.4 41.0



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



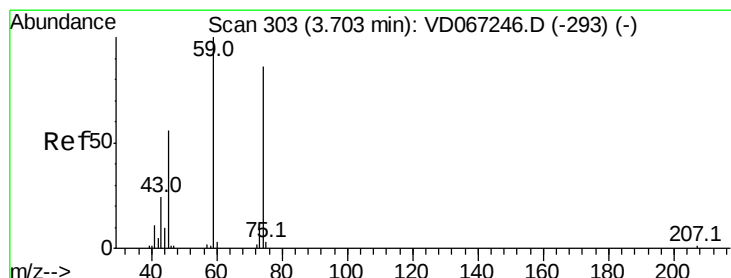
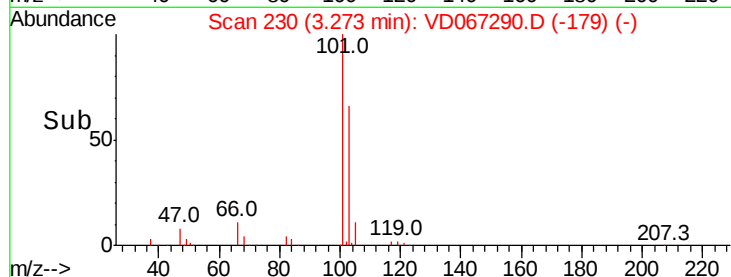
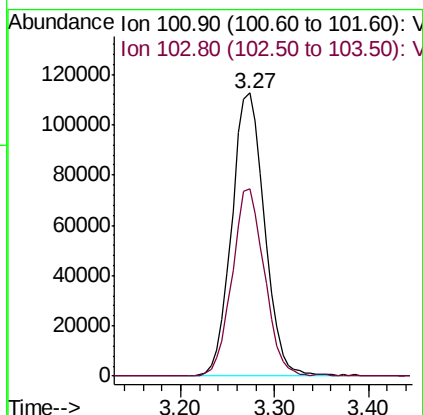
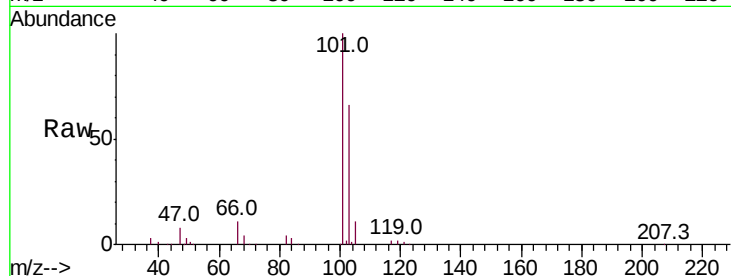


#7

Trichlorofluoromethane
 Concen: 47.285 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

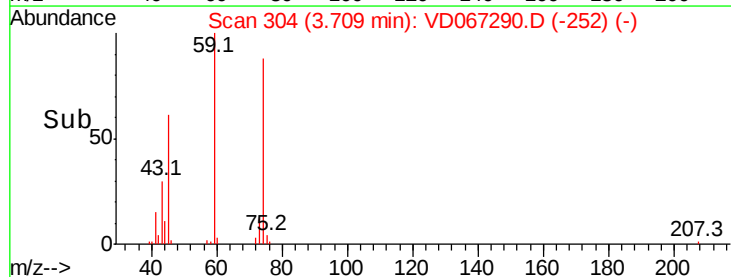
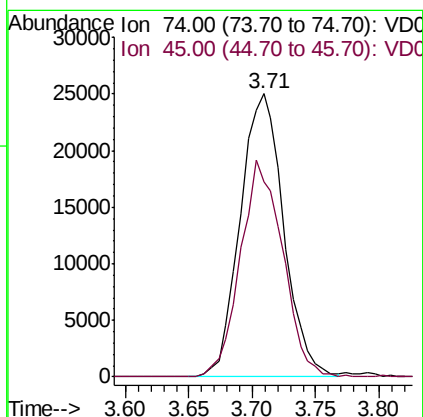
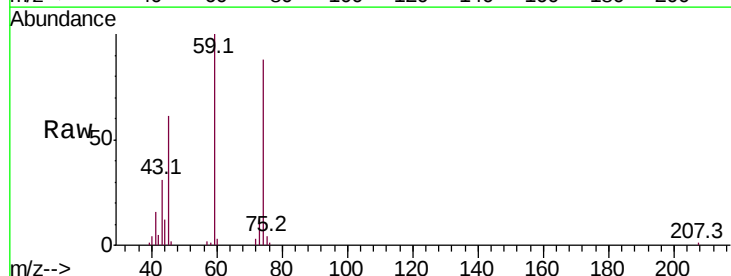
Tot Ion:101 Resp: 273341
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.1 79.7

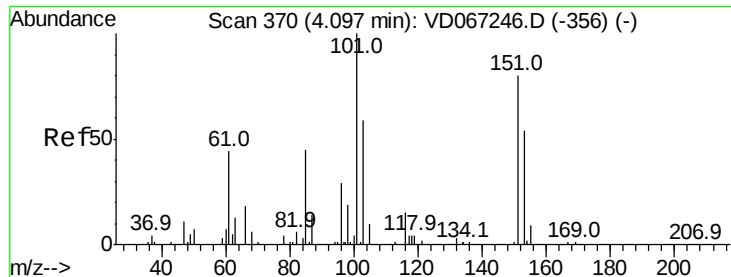


#8

Diethyl Ether
 Concen: 45.141 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion: 74 Resp: 59712
 Ion Ratio Lower Upper
 74 100
 45 74.3 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.764 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

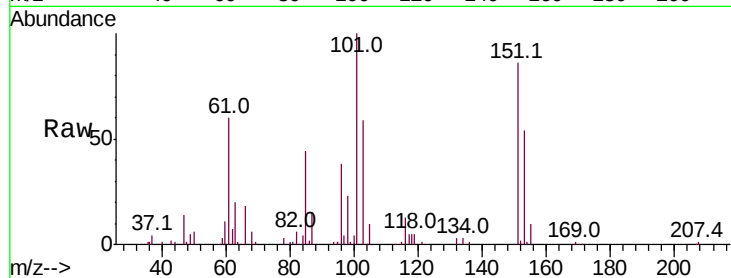
Tot Ion:101 Resp: 143624

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.4

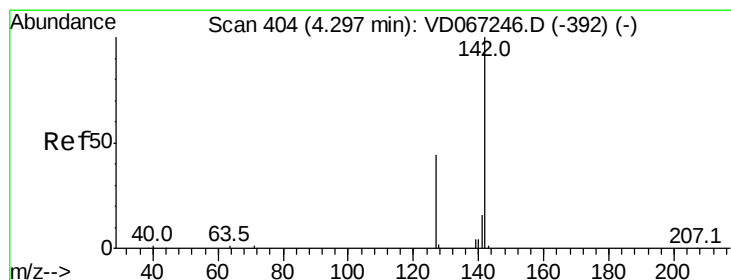
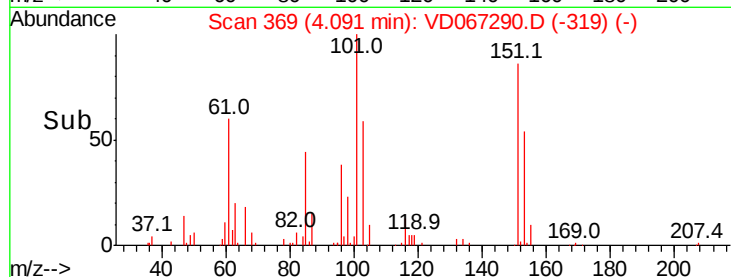
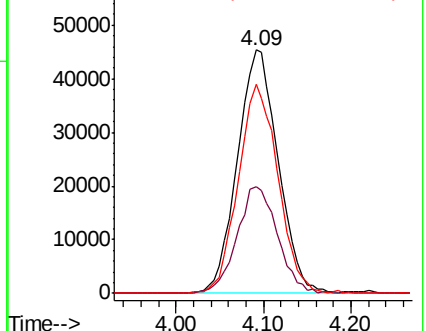
151 83.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.414 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

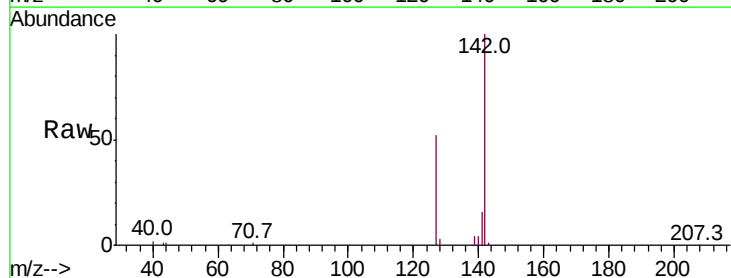
Tgt Ion:142 Resp: 131498

Ion Ratio Lower Upper

142 100

127 50.0 38.4 57.6

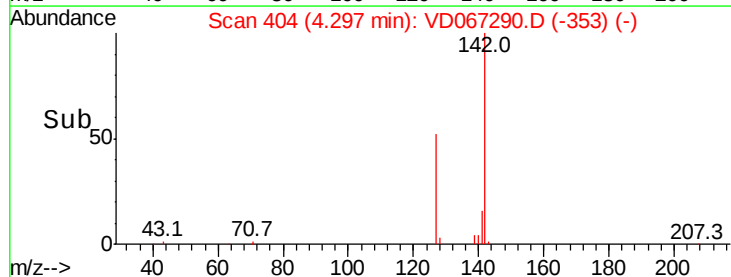
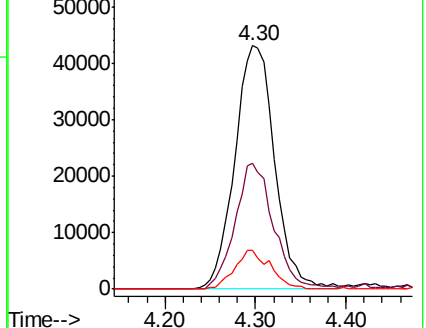
141 14.4 11.6 17.4

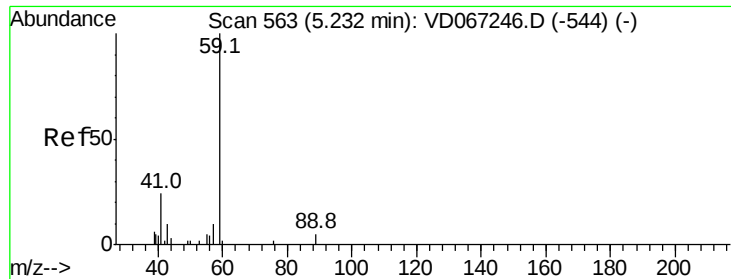


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 232.165 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

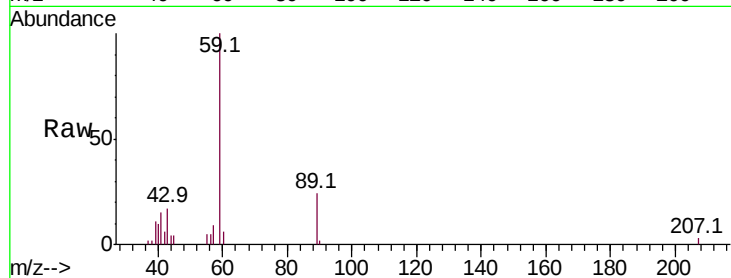
VSTDCCC050

Tot Ion: 59 Resp: 40766

Ion Ratio Lower Upper

59 100

57 7.5 5.1 7.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

12000

10000

8000

6000

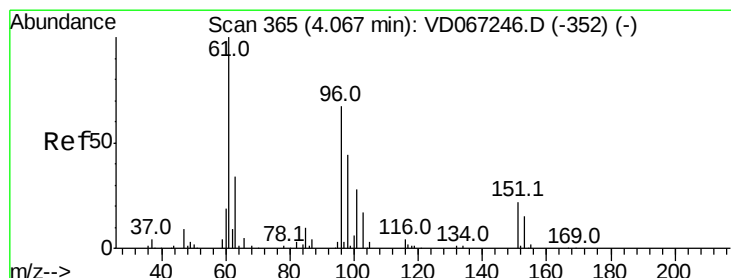
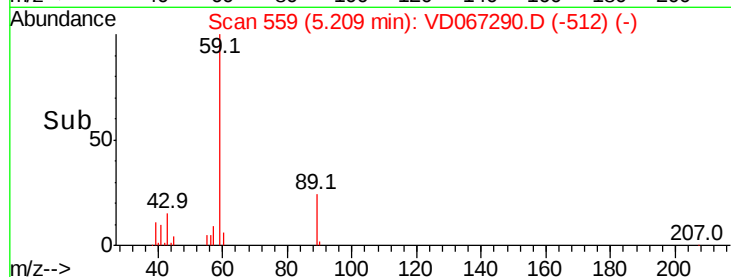
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 46.582 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

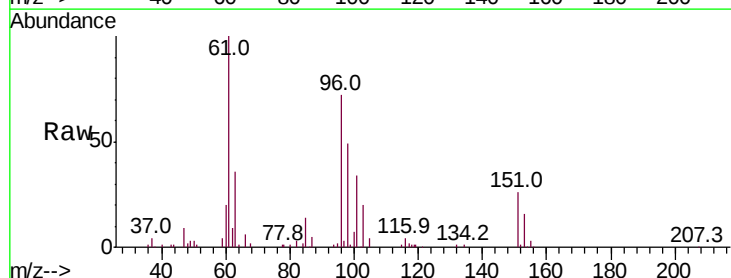
Tgt Ion: 96 Resp: 127811

Ion Ratio Lower Upper

96 100

61 138.3 118.6 177.8

98 67.4 51.8 77.6



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

80000

60000

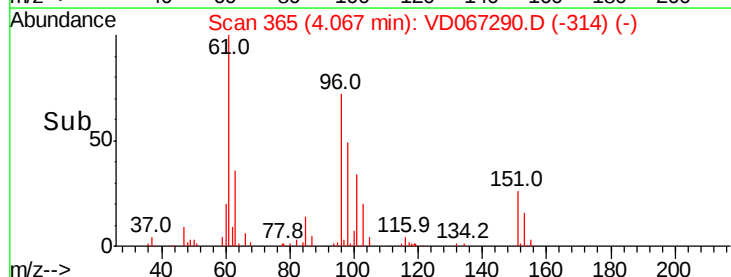
40000

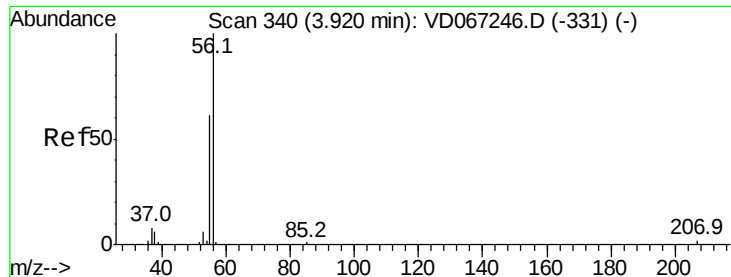
20000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 211.444 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

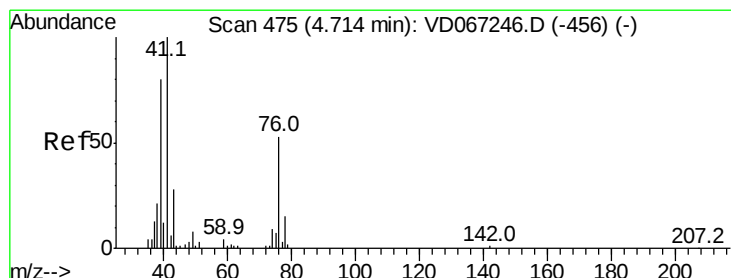
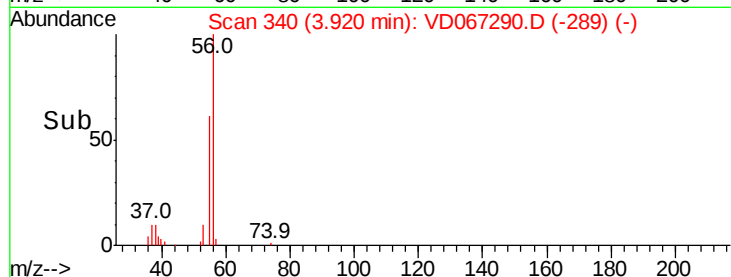
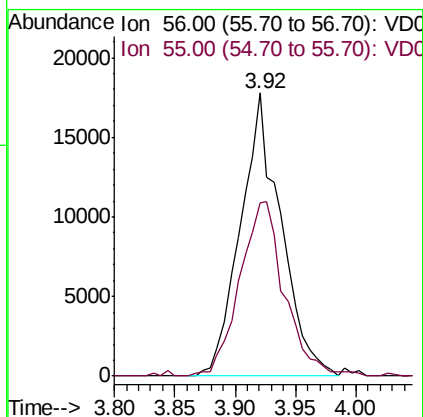
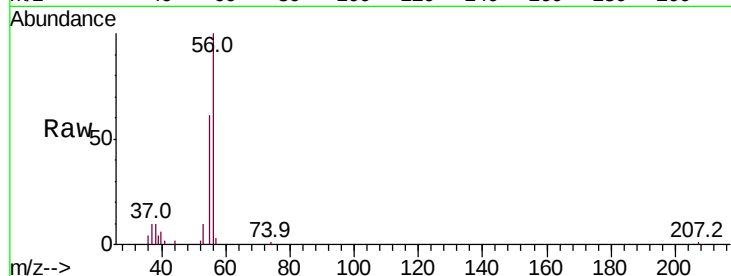
VSTDCCC050

Tot Ion: 56 Resp: 41362

Ion Ratio Lower Upper

56 100

55 68.4 56.0 84.0



#14

Allyl chloride

Concen: 45.458 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

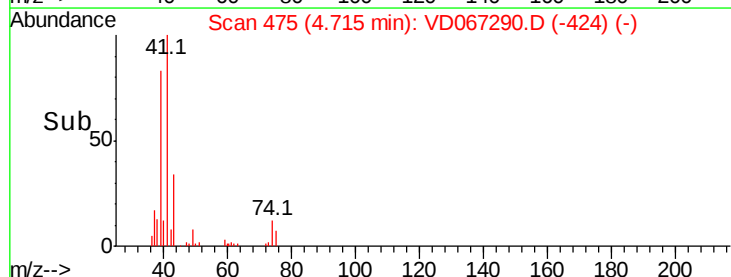
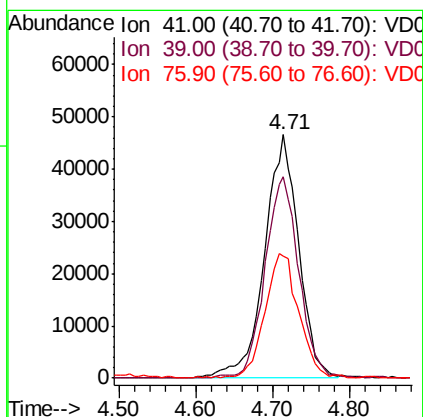
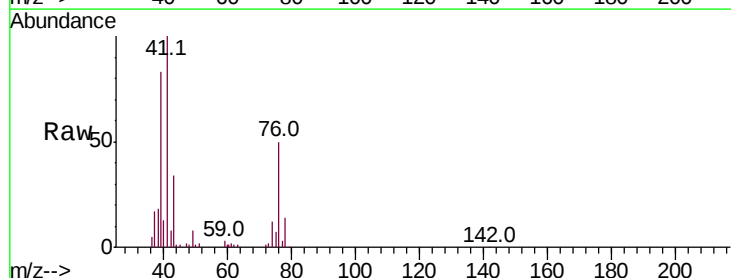
Tgt Ion: 41 Resp: 142837

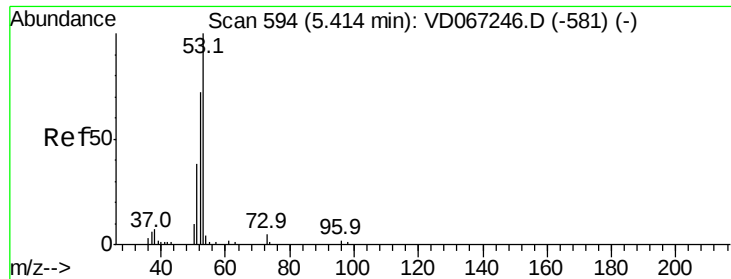
Ion Ratio Lower Upper

41 100

39 82.3 63.8 95.6

76 51.3 40.4 60.6





#15

Acrylonitrile

Concen: 235.552 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

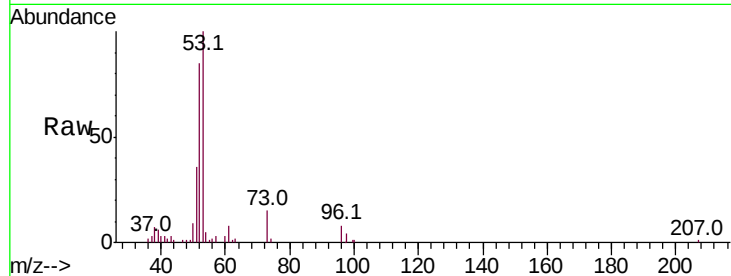
Tot Ion: 53 Resp: 103967

Ion Ratio Lower Upper

53 100

52 84.5 65.6 98.4

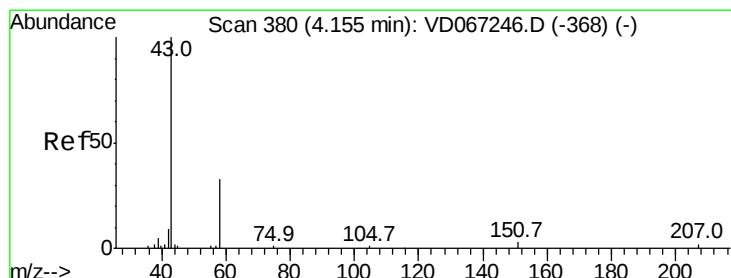
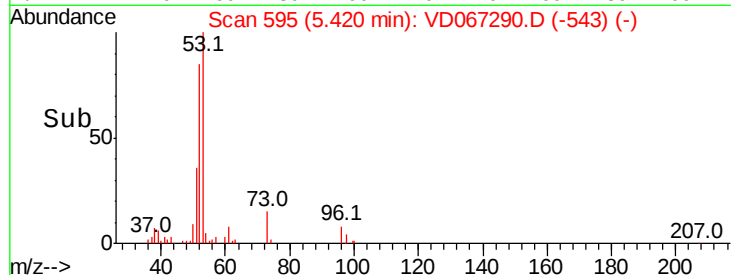
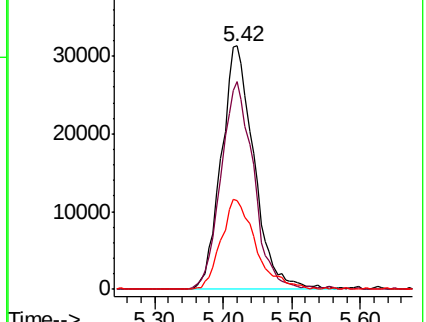
51 39.0 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 264.349 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067290.D

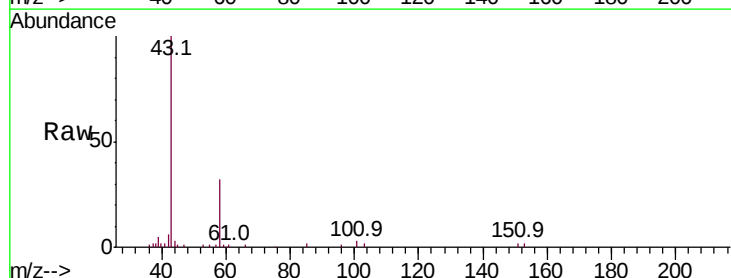
Acq: 16 Oct 2020 10:46

Tgt Ion: 43 Resp: 123309

Ion Ratio Lower Upper

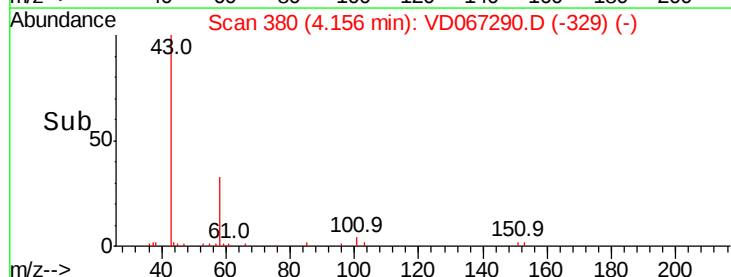
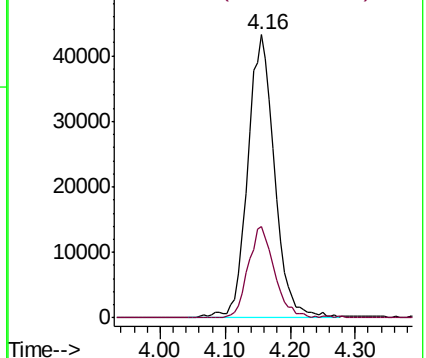
43 100

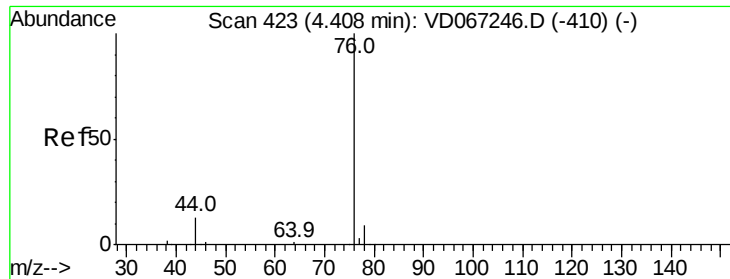
58 32.1 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

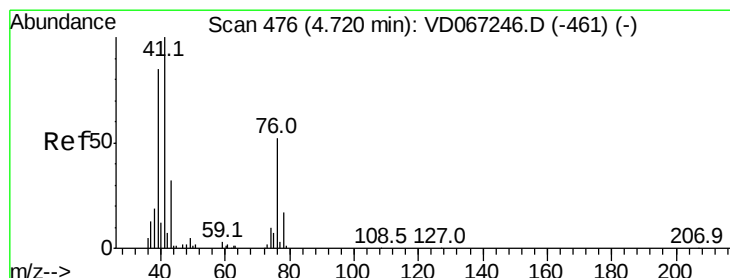
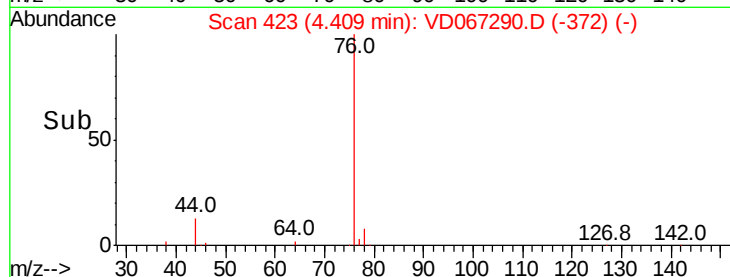
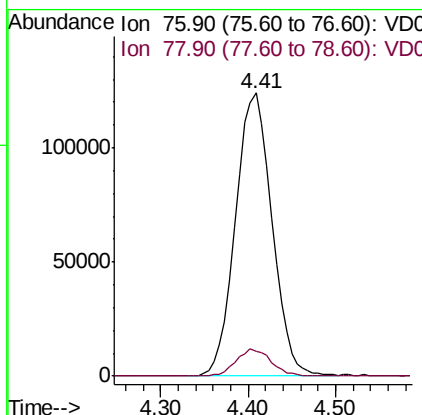
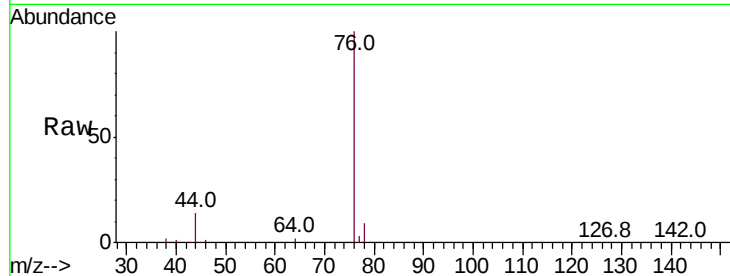




#17
Carbon Disulfide
Concen: 44.953 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

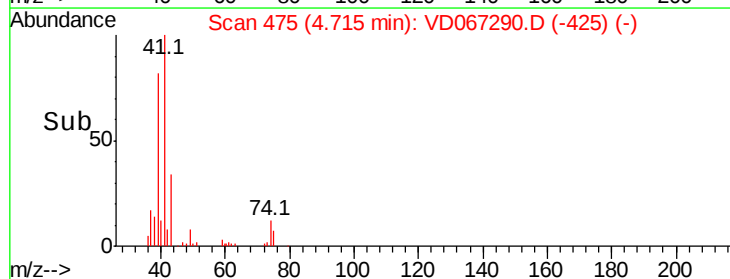
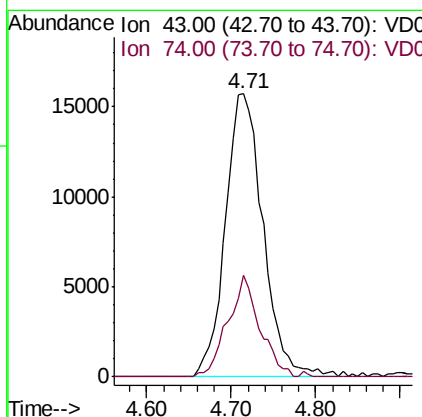
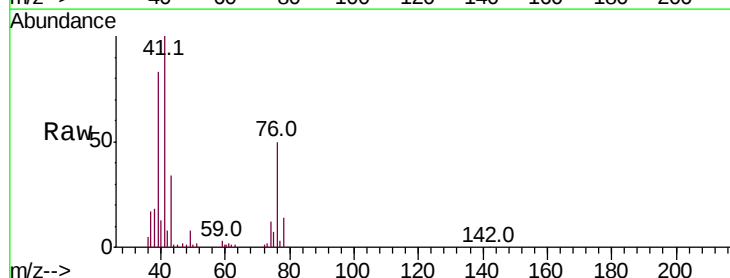
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

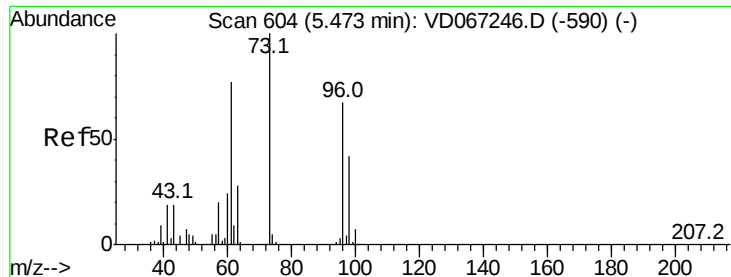
Tot Ion: 76 Resp: 351621
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 45.561 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 43 Resp: 48474
Ion Ratio Lower Upper
43 100
74 30.3 26.6 39.8

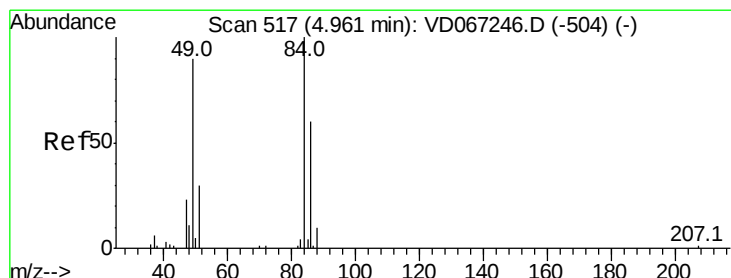
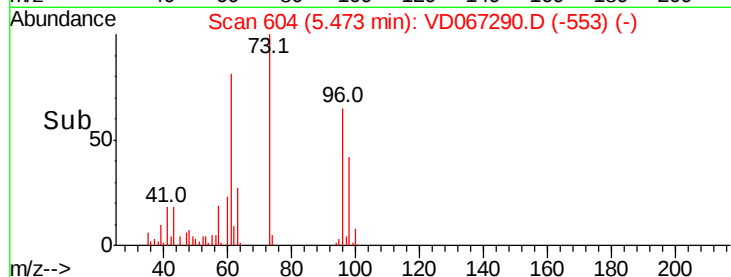
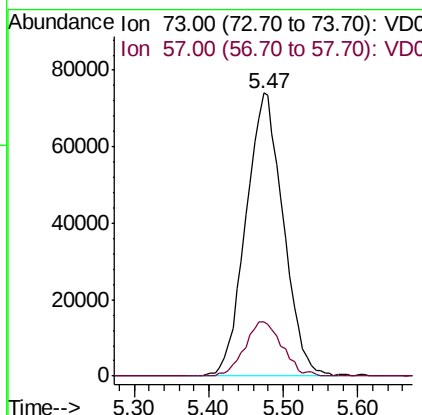
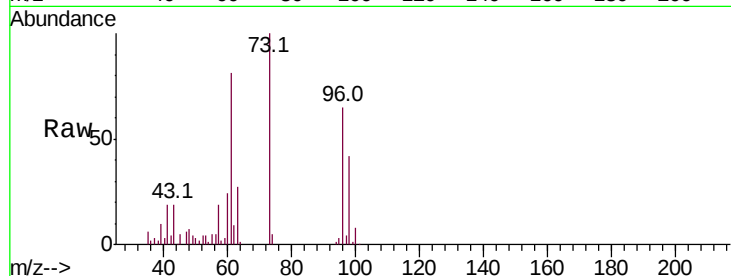




#19
Methvl tert-butvl Ether
Concen: 47.275 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

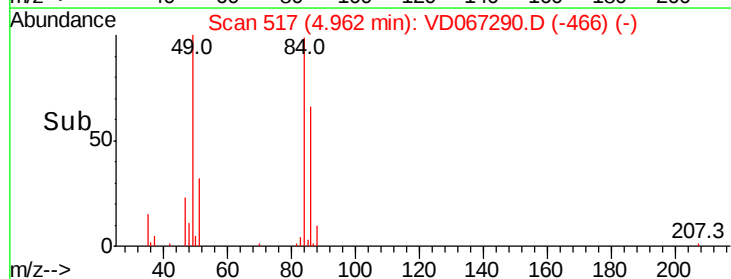
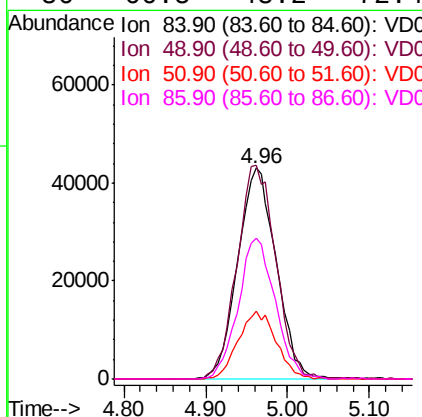
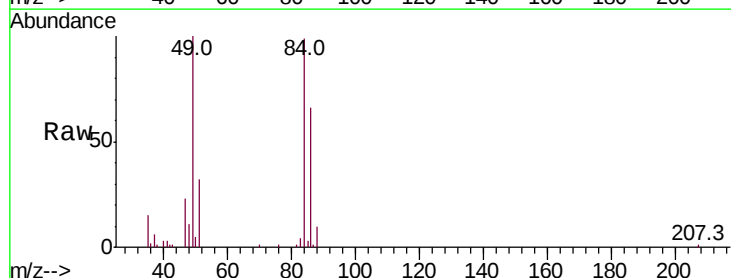
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

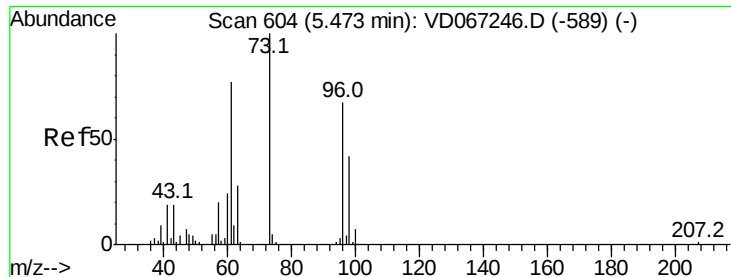
Tot Ion: 73 Resp: 257924
Ion Ratio Lower Upper
73 100
57 19.4 15.7 23.5



#20
Methylene Chloride
Concen: 46.854 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 84 Resp: 140841
Ion Ratio Lower Upper
84 100
49 101.3 72.2 108.2
51 32.0 23.8 35.8
86 66.5 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 46.340 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

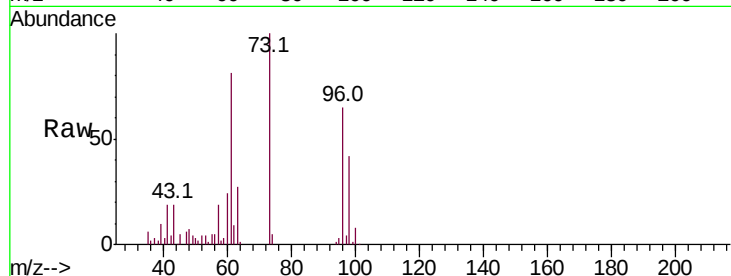
Tot Ion: 96 Resp: 146318

Ion Ratio Lower Upper

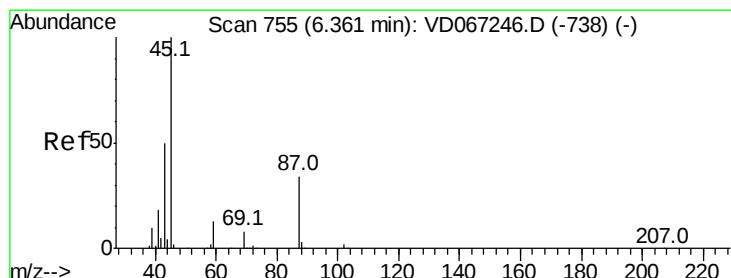
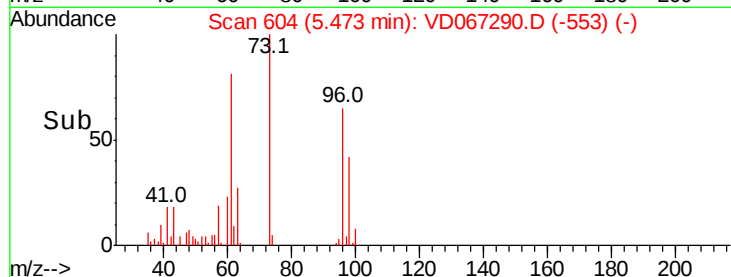
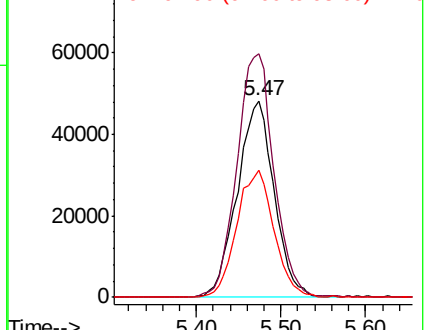
96 100

61 124.0 92.0 138.0

98 64.8 49.8 74.8



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: 49.441 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion: 45 Resp: 283791

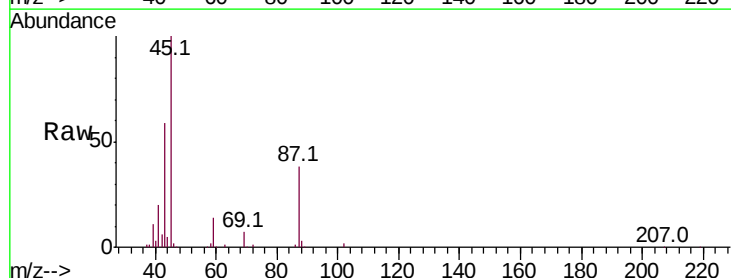
Ion Ratio Lower Upper

45 100

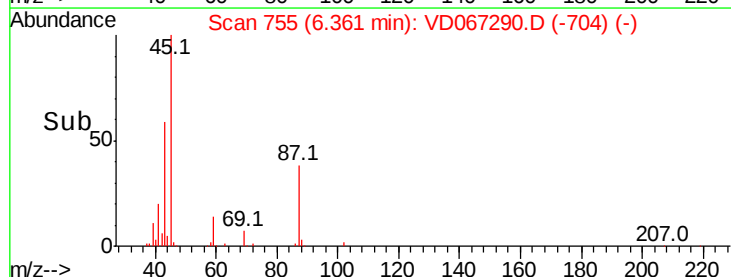
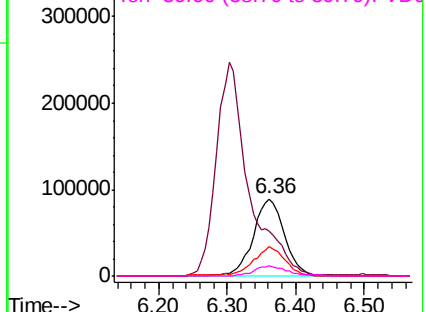
43 57.7 48.0 72.0

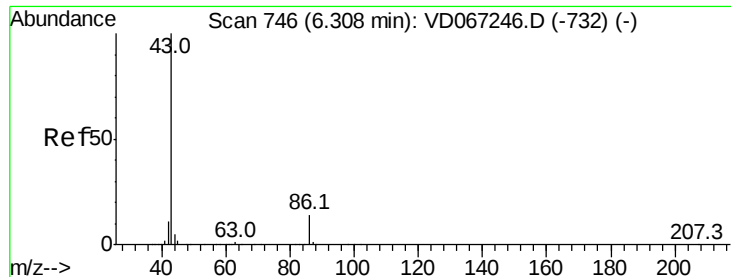
87 37.1 28.5 42.7

59 13.9 10.5 15.7



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: 251.659 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

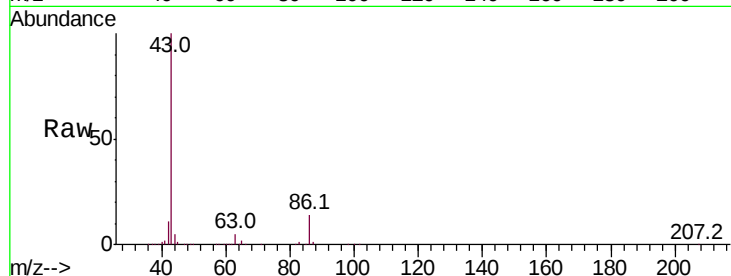
VSTDCCC050

Tot Ion: 43 Resp: 821816

Ion Ratio Lower Upper

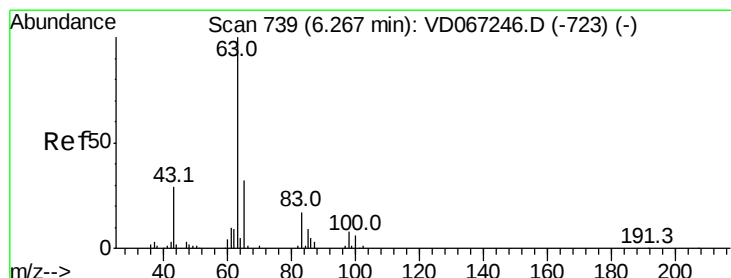
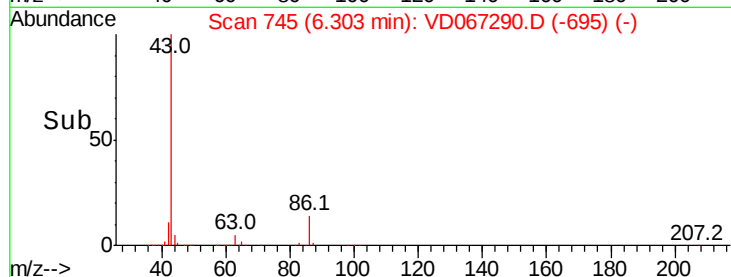
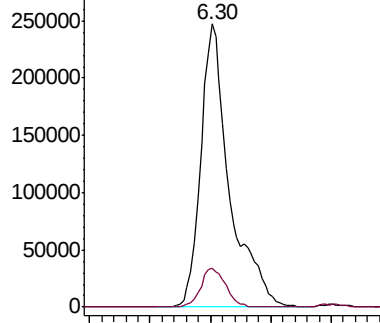
43 100

86 13.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.338 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

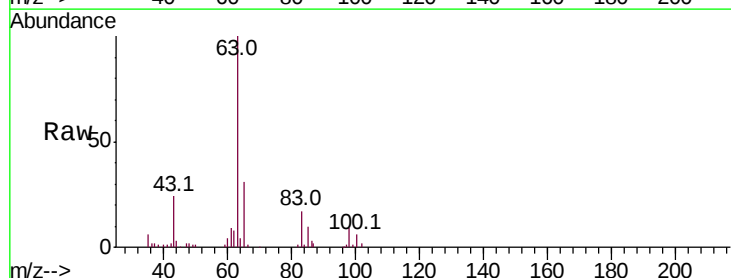
Tgt Ion: 63 Resp: 232596

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

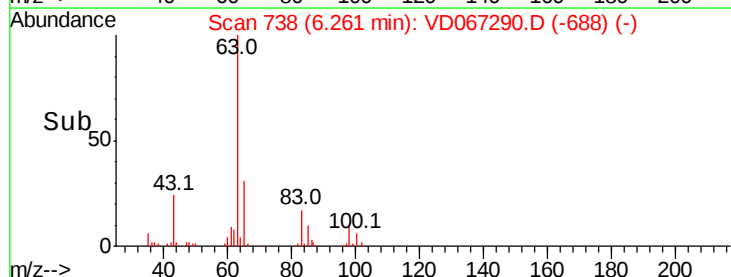
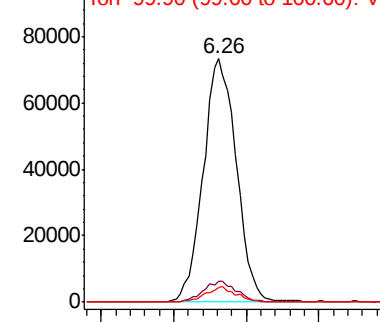
100 6.1 2.8 8.4

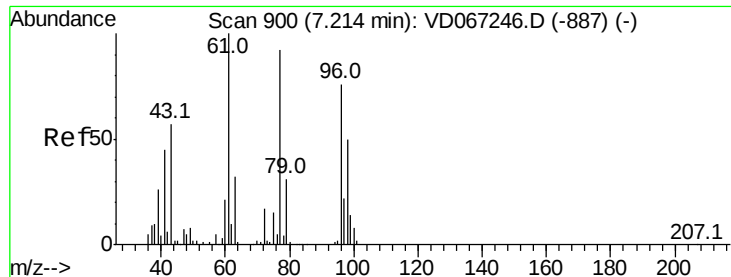


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 236.784 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

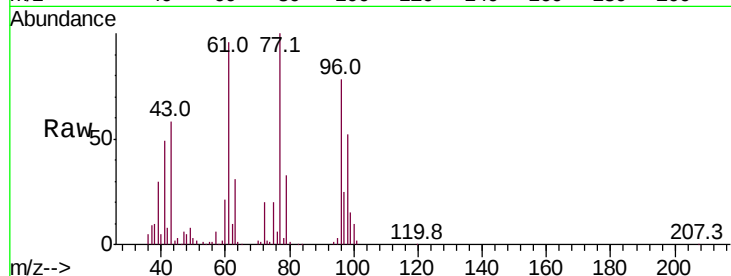
VSTDCCC050

Tot Ion: 43 Resp: 125903

Ion Ratio Lower Upper

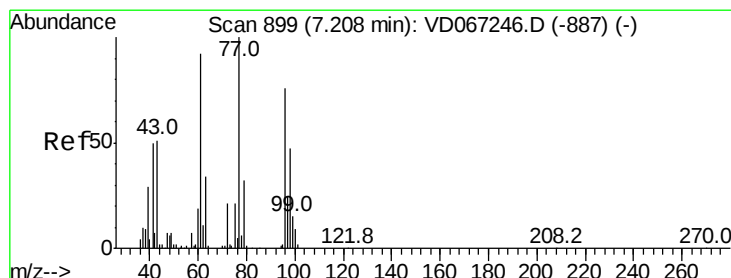
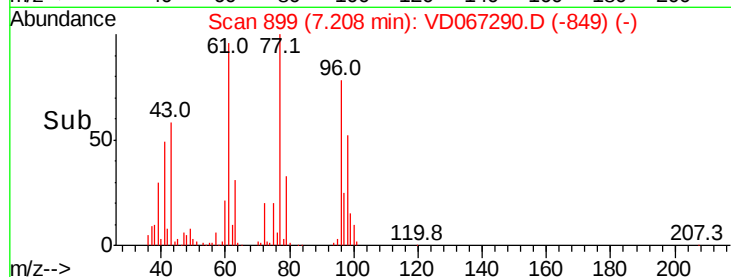
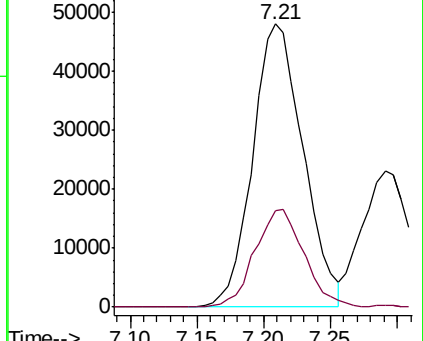
43 100

72 34.2 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.143 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067290.D

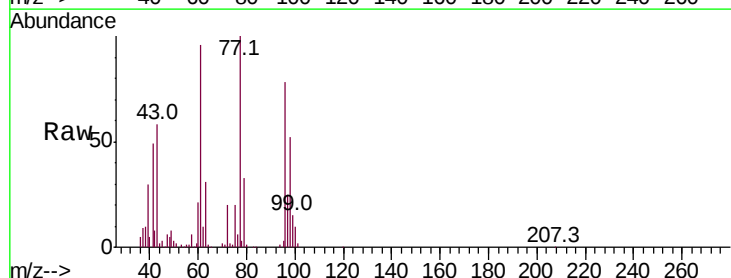
Acq: 16 Oct 2020 10:46

Tgt Ion: 77 Resp: 243816

Ion Ratio Lower Upper

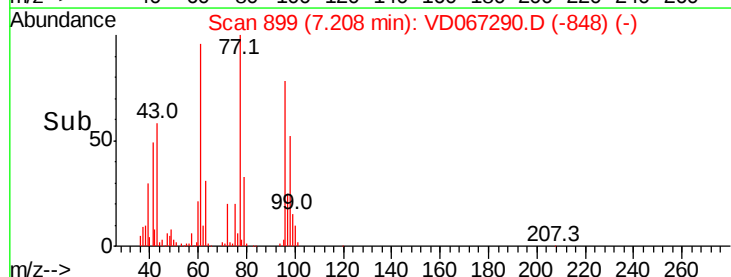
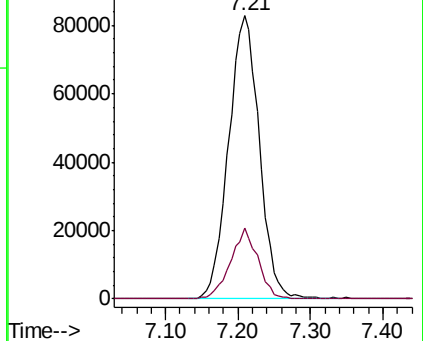
77 100

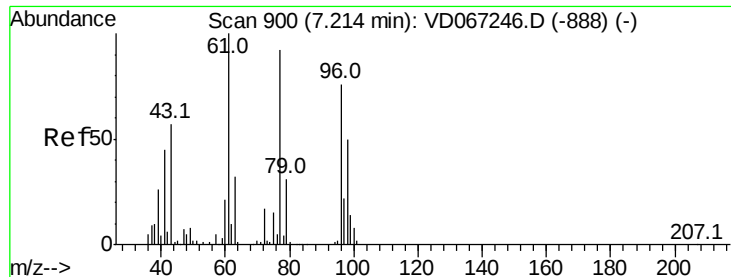
97 22.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

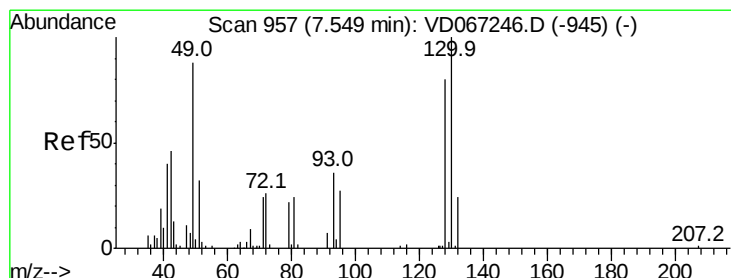
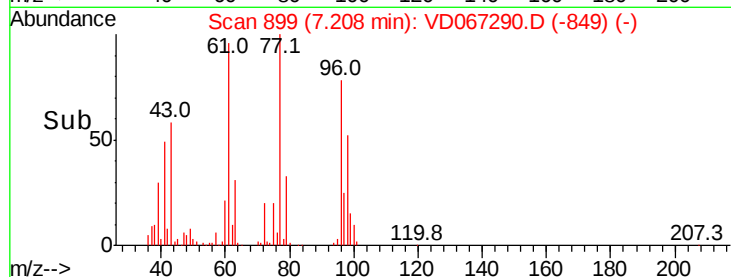
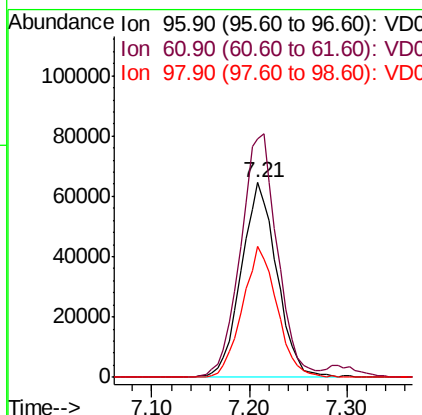
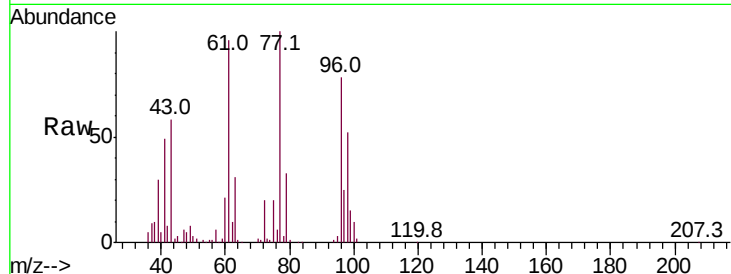




#27
 cis-1,2-Dichloroethene
 Concen: 47.664 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

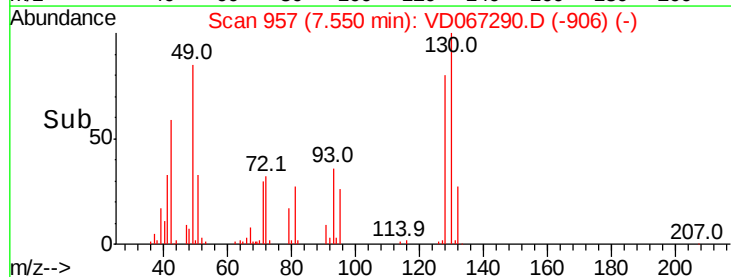
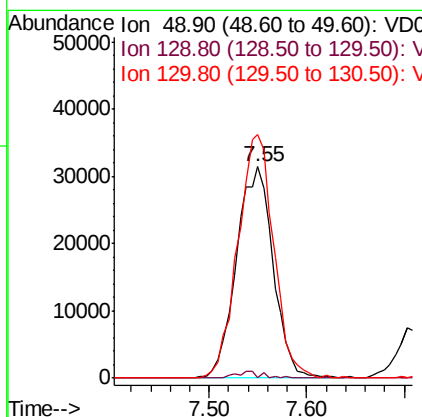
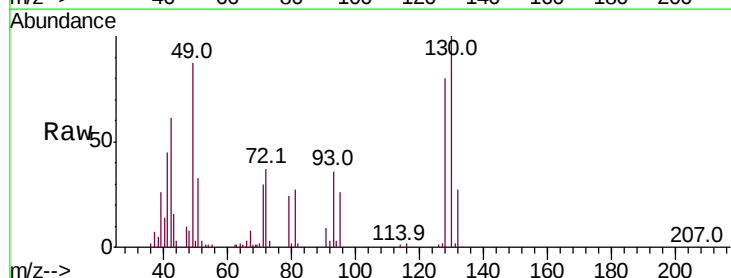
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

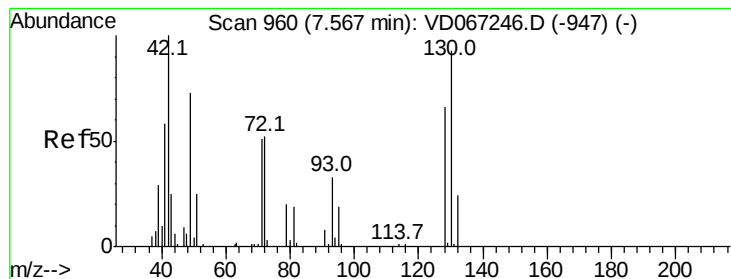
Tot Ion: 96 Resp: 164944
 Ion Ratio Lower Upper
 96 100
 61 129.4 0.0 255.4
 98 65.2 0.0 128.0



#28
 Bromochloromethane
 Concen: 49.048 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion: 49 Resp: 82200
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 1.6#
 130 112.1 91.0 136.6





#29

Tetrahydrofuran

Concen: 237.631 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

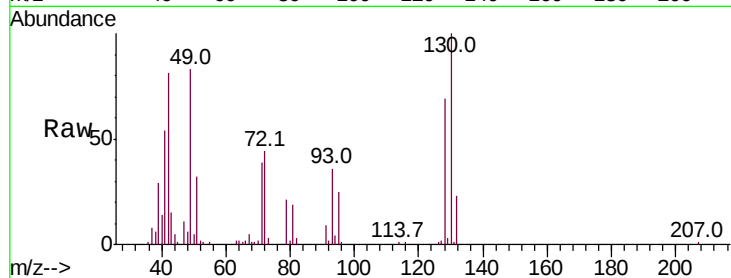
Tot Ion: 42 Resp: 70237

Ion Ratio Lower Upper

42 100

72 58.7 43.2 64.8

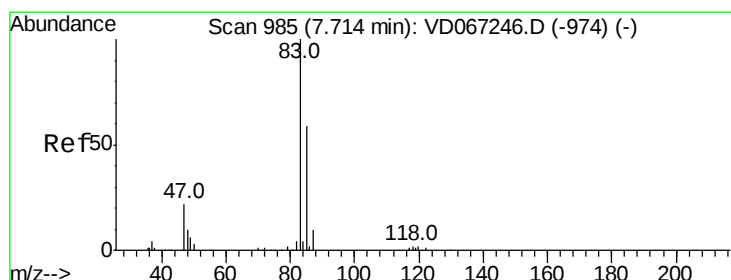
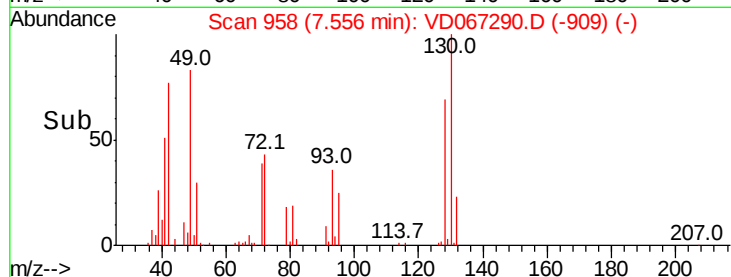
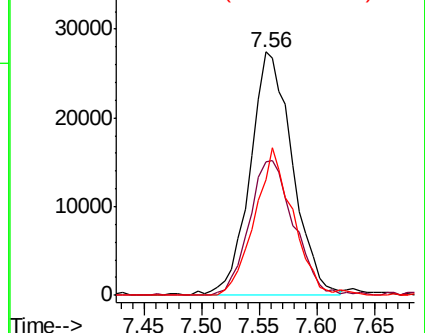
71 54.3 39.4 59.0



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: 48.119 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067290.D

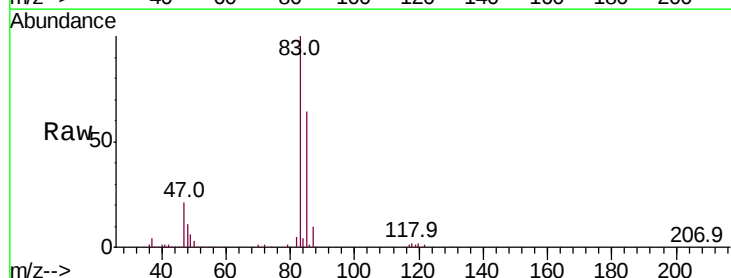
Acq: 16 Oct 2020 10:46

Tgt Ion: 83 Resp: 282441

Ion Ratio Lower Upper

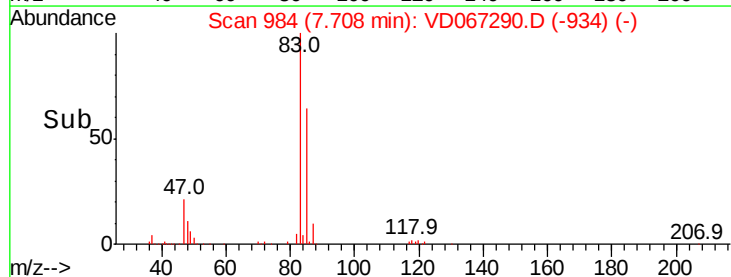
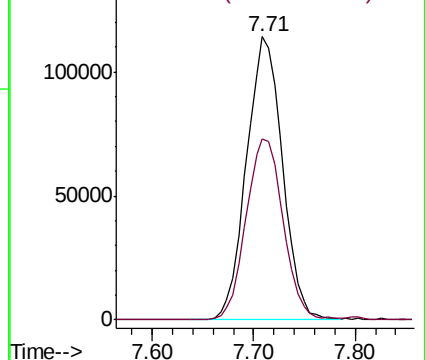
83 100

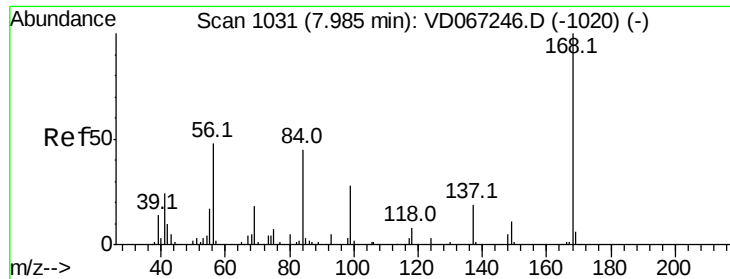
85 64.1 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

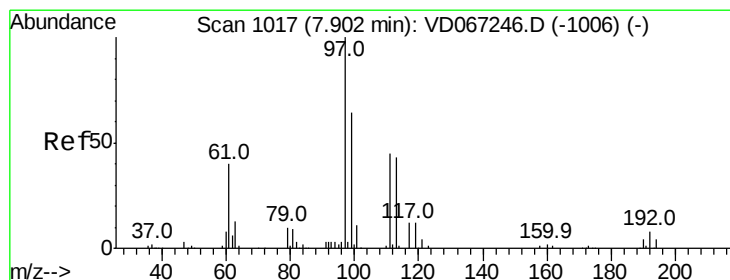
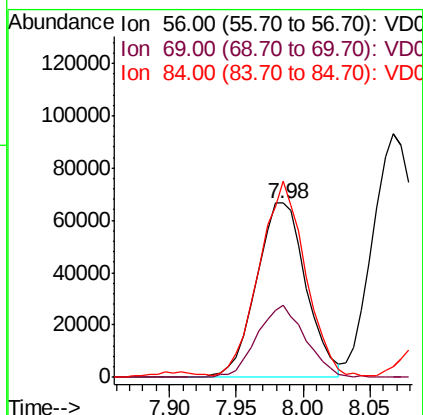
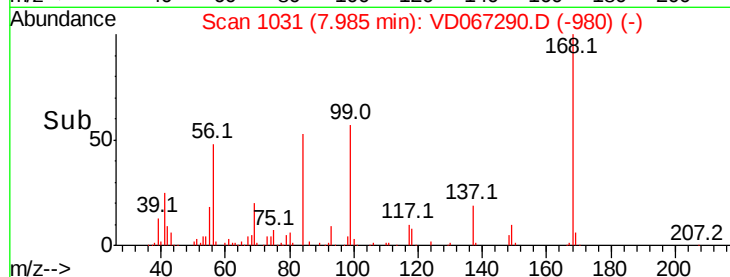
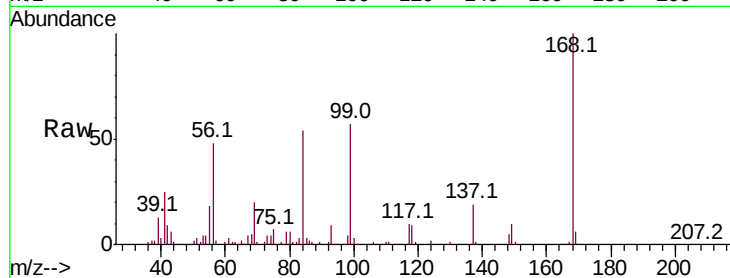




#31
Cyclohexane
Concen: 44.749 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

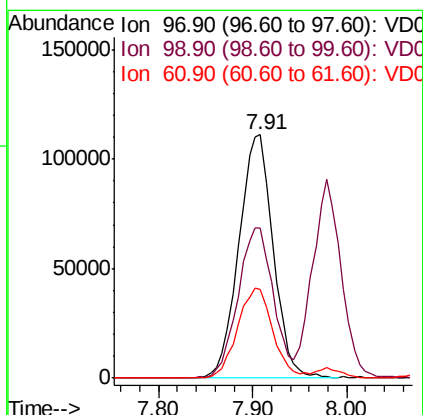
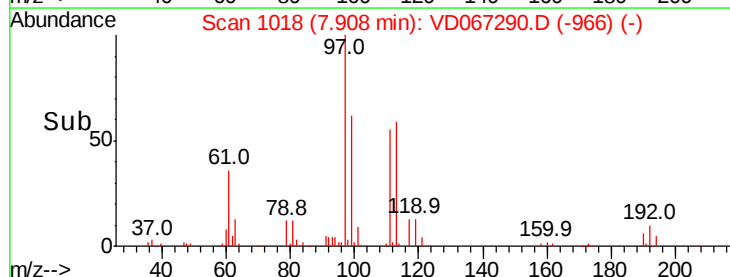
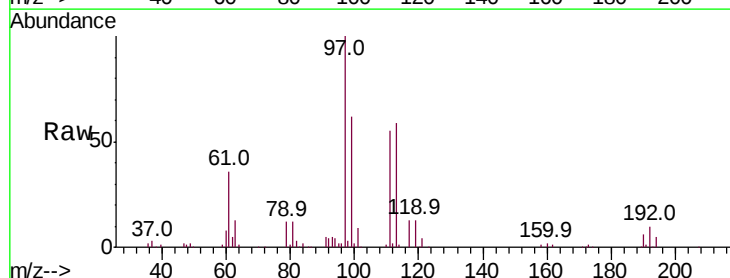
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

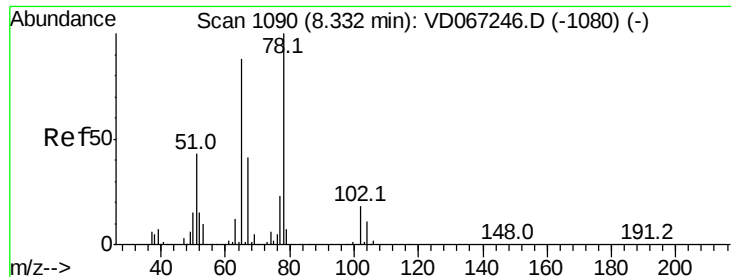
Tot Ion: 56 Resp: 171666
Ion Ratio Lower Upper
56 100
69 41.2 29.8 44.6
84 110.5 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 48.920 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 97 Resp: 281734
Ion Ratio Lower Upper
97 100
99 63.6 50.2 75.4
61 38.2 30.5 45.7

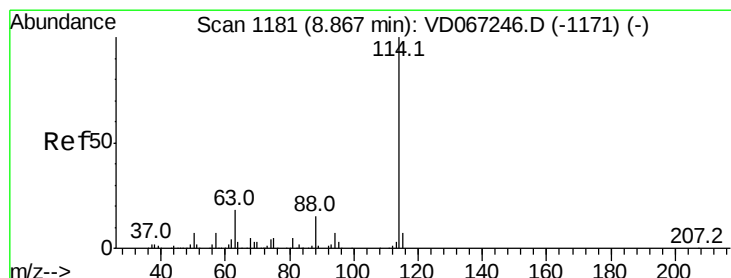
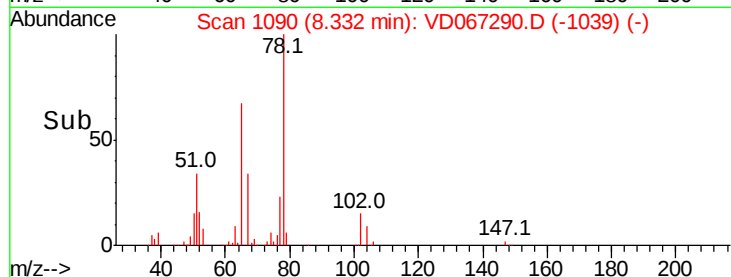
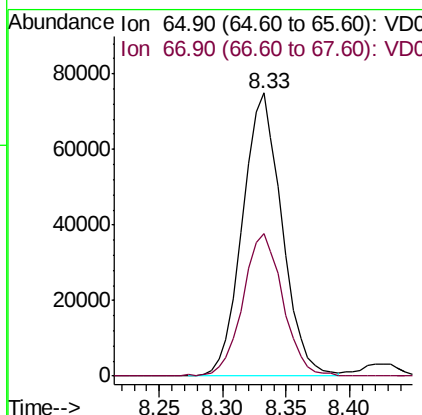
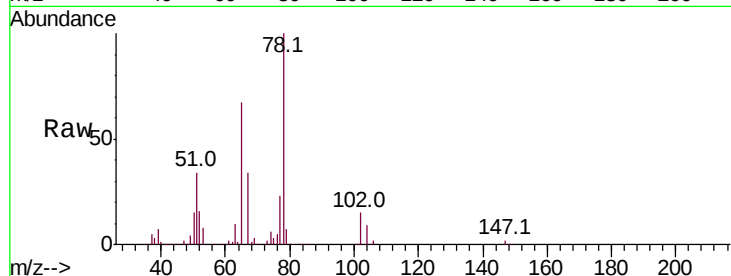




#33
 1,2-Dichloroethane-d4
 Concen: 48.740 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

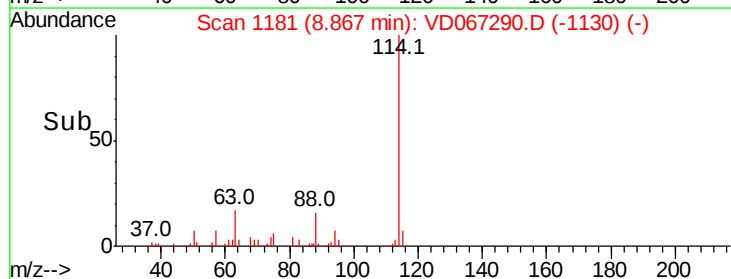
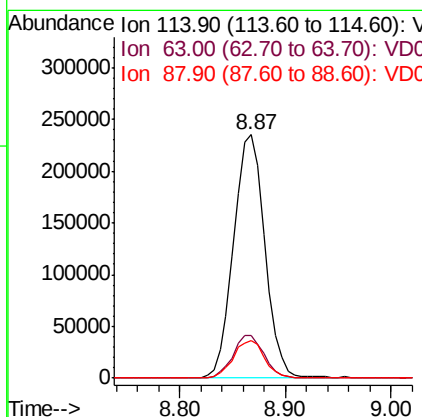
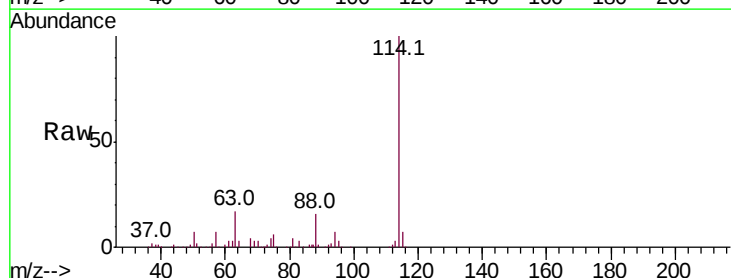
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

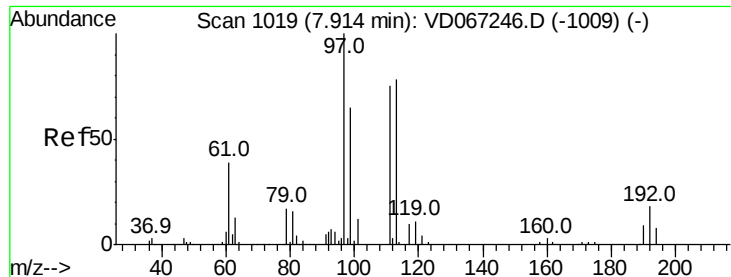
Tot Ion: 65 Resp: 162337
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion: 114 Resp: 483473
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 15.5 0.0 30.6

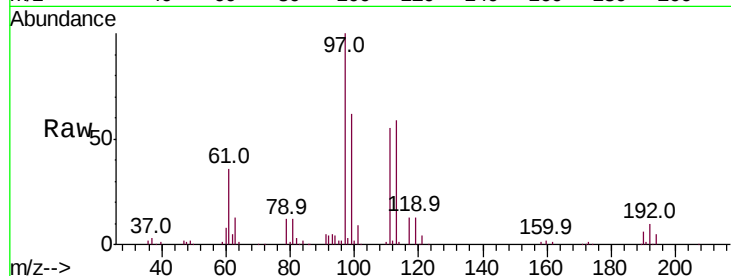




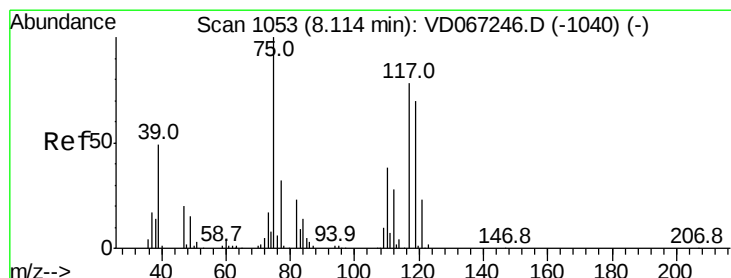
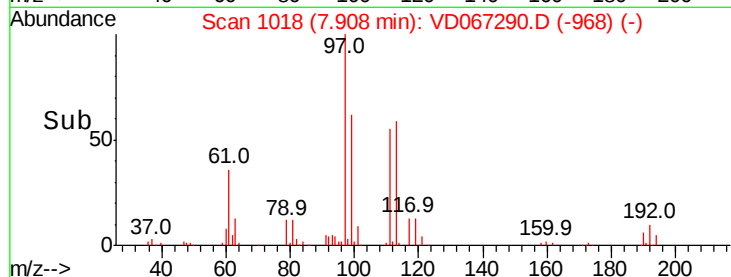
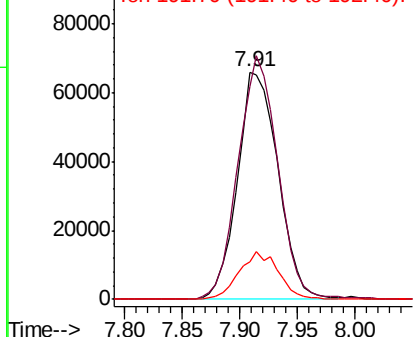
#35
Dibromofluoromethane
Concen: 50.251 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 161683
Ion Ratio Lower Upper
113 100
111 104.6 81.6 122.4
192 20.6 17.0 25.4

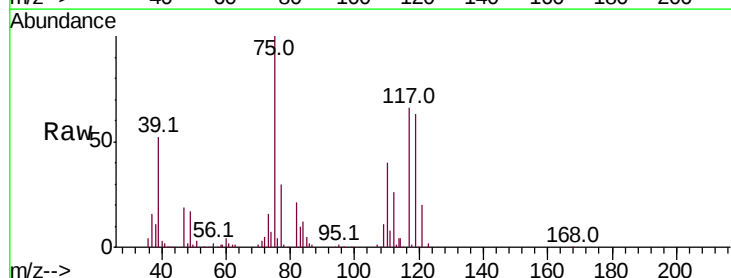


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

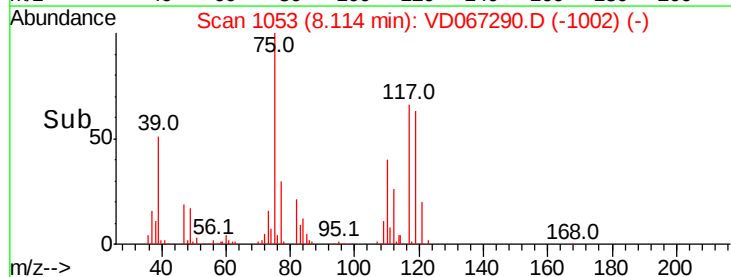
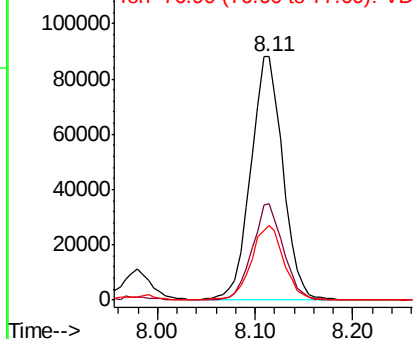


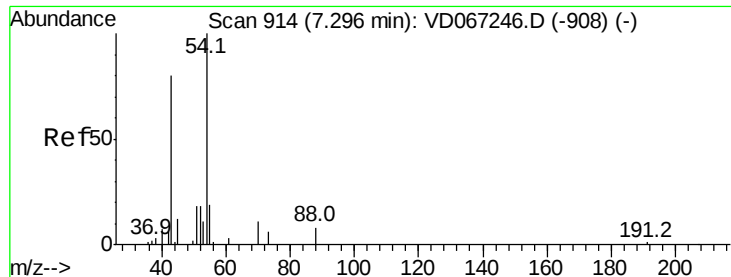
#36
1,1-Dichloropropene
Concen: 49.484 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 75 Resp: 202774
Ion Ratio Lower Upper
75 100
110 38.4 19.6 58.7
77 31.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 49.099 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

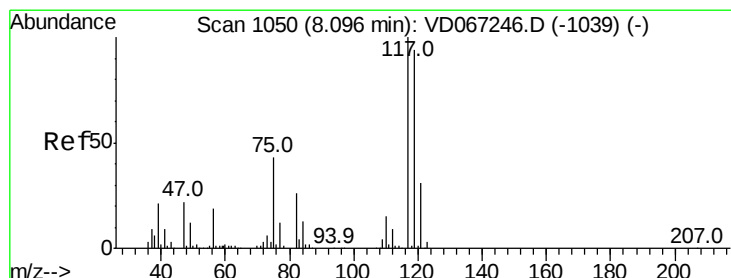
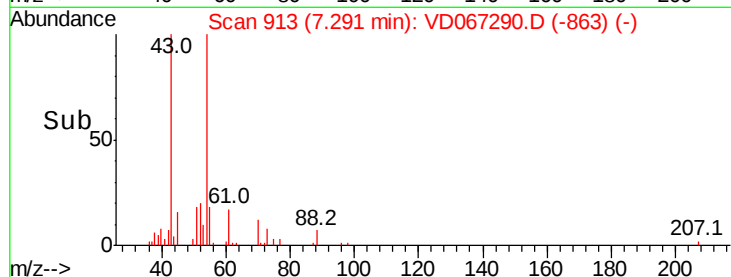
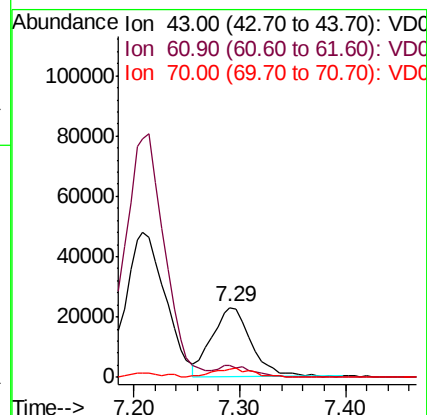
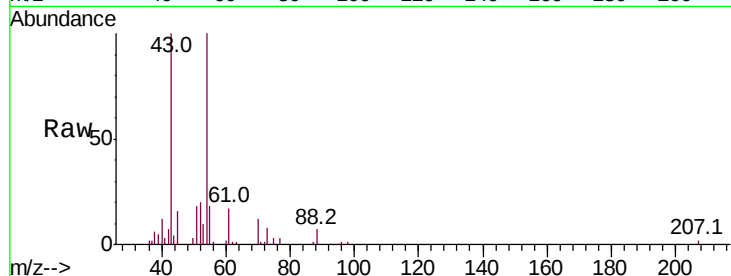
Tot Ion: 43 Resp: 59195

Ion Ratio Lower Upper

43 100

61 13.3 15.6 23.4#

70 13.0 10.4 15.6



#38

Carbon Tetrachloride

Concen: 49.925 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

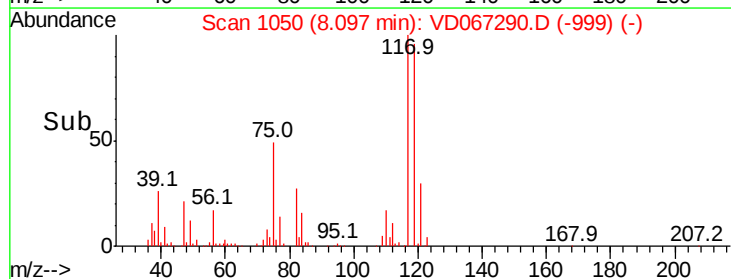
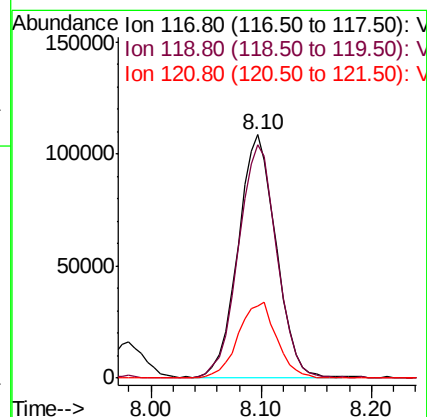
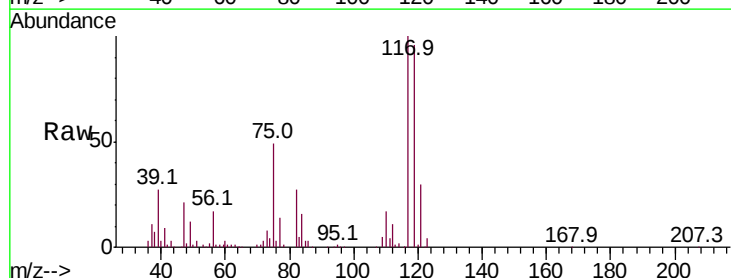
Tgt Ion: 117 Resp: 261474

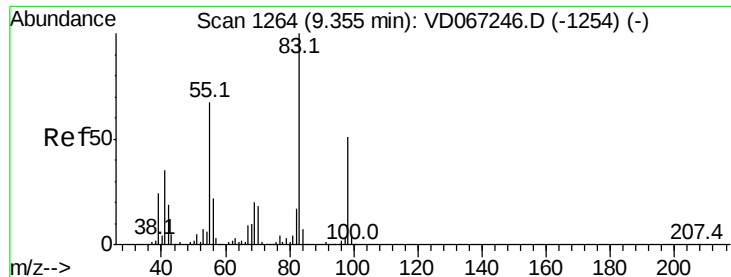
Ion Ratio Lower Upper

117 100

119 96.0 75.0 112.4

121 29.6 24.9 37.3

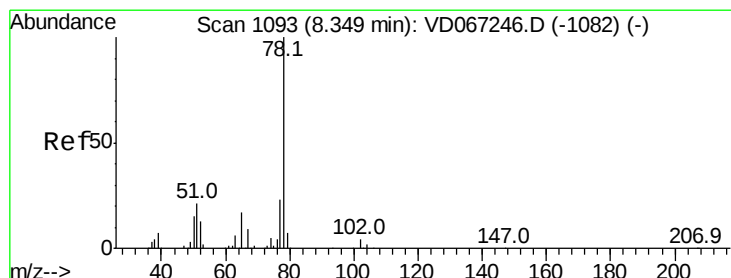
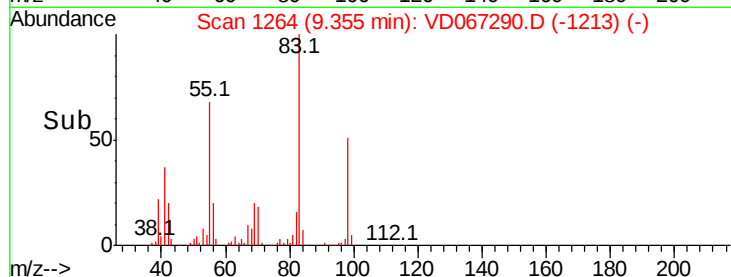
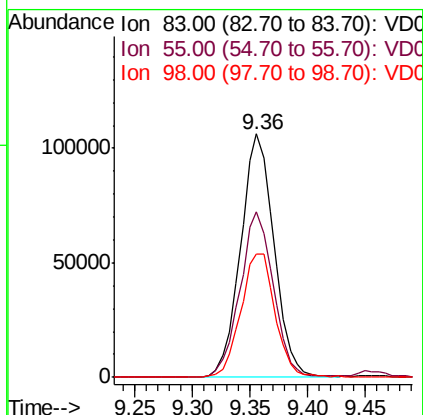
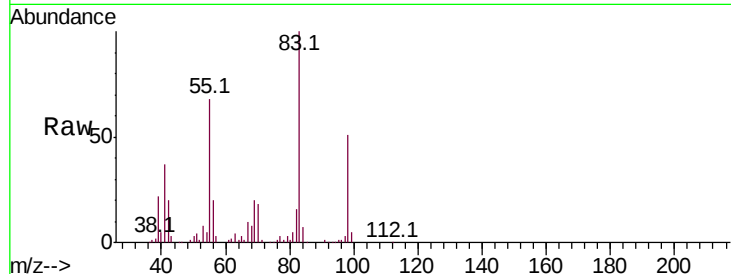




#39
Methvlcvclohexane
Concen: 50.061 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

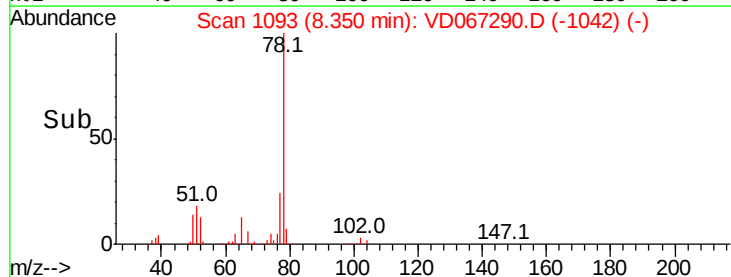
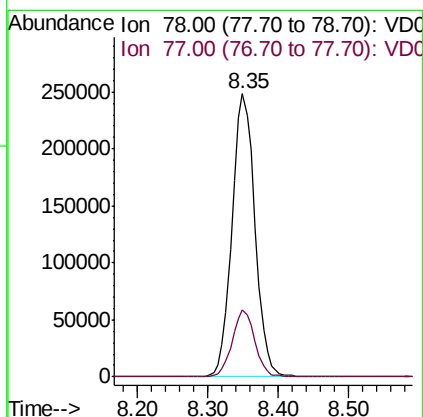
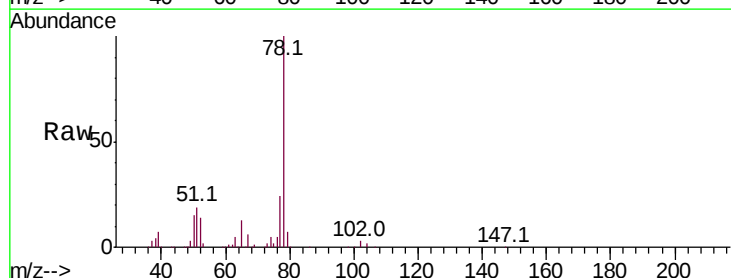
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

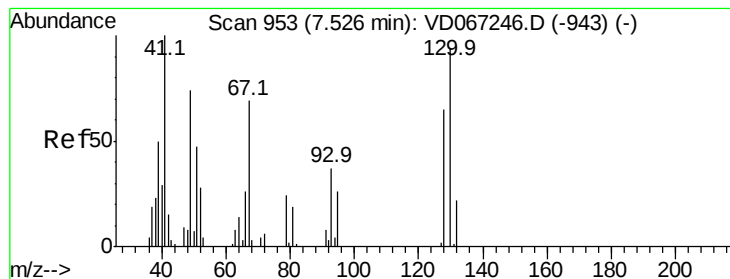
Tot Ion: 83 Resp: 214458
Ion Ratio Lower Upper
83 100
55 67.8 53.3 79.9
98 50.5 41.0 61.4



#40
Benzene
Concen: 50.013 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 78 Resp: 562236
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5





#41

Methacrylonitrile

Concen: 53.016 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 34540

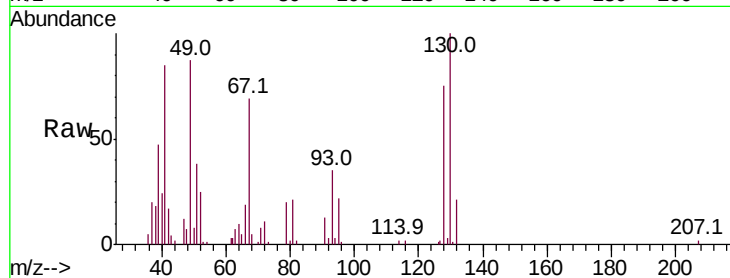
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 91.9 88.9 133.3

52 38.7 36.9 55.3

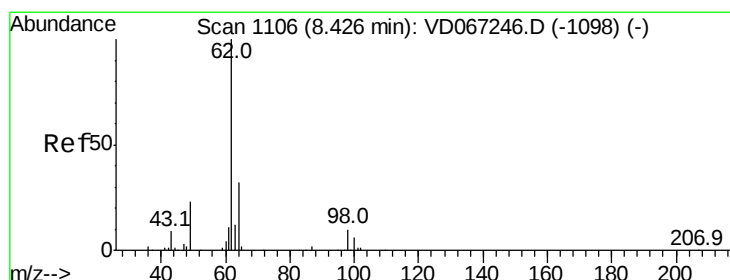
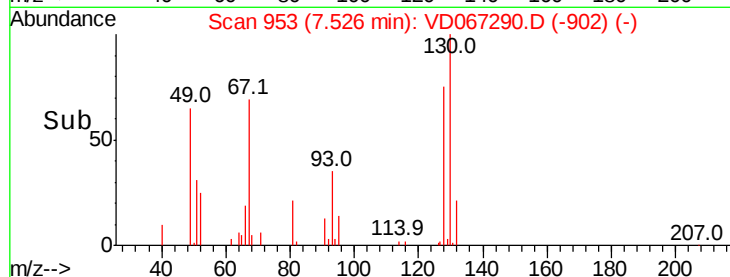
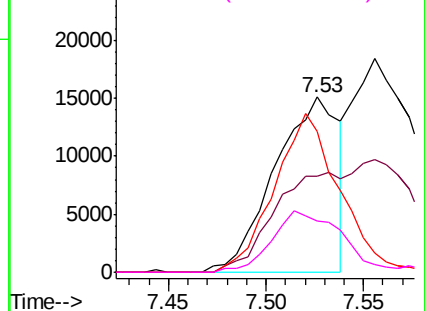


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 49.518 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067290.D

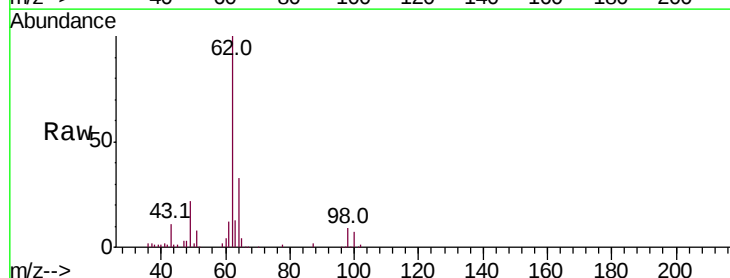
Acq: 16 Oct 2020 10:46

Tgt Ion: 62 Resp: 174207

Ion Ratio Lower Upper

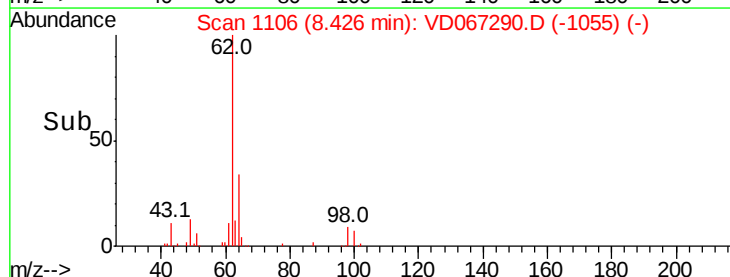
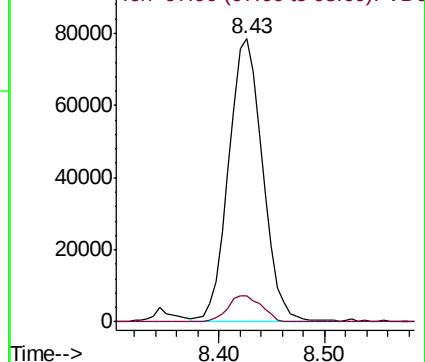
62 100

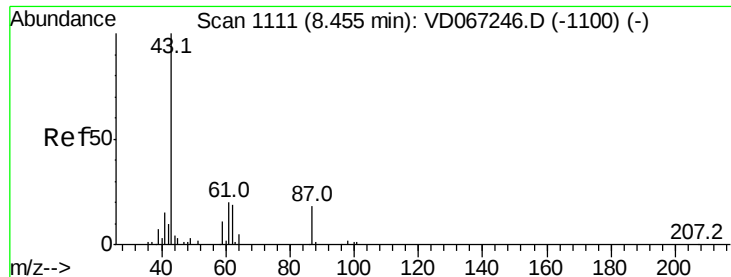
98 9.6 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.464 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

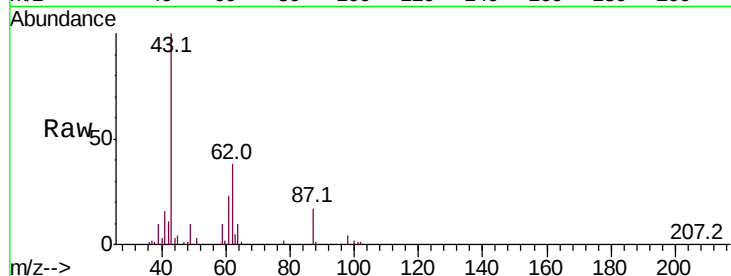
Tot Ion: 43 Resp: 115939

Ion Ratio Lower Upper

43 100

61 37.2 29.5 44.3

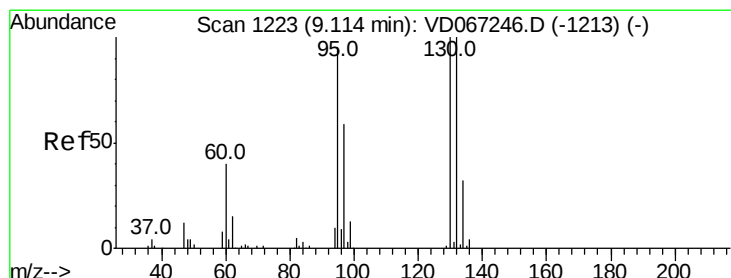
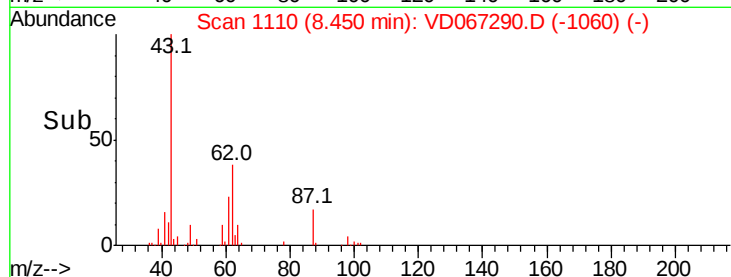
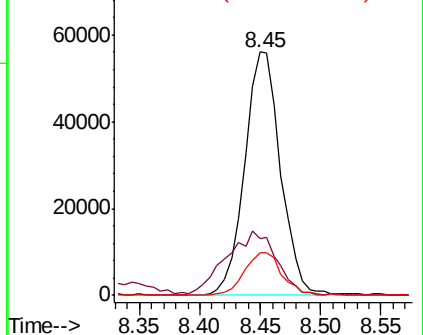
87 18.2 14.2 21.4



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: 49.452 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067290.D

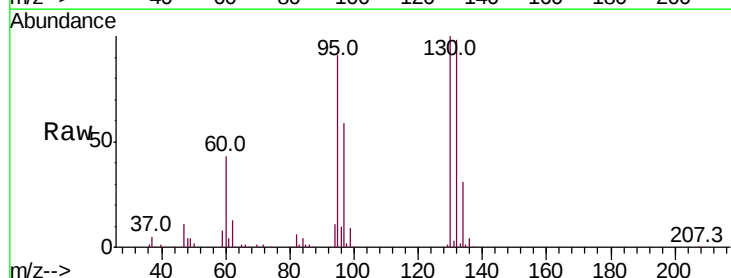
Acq: 16 Oct 2020 10:46

Tgt Ion:130 Resp: 177995

Ion Ratio Lower Upper

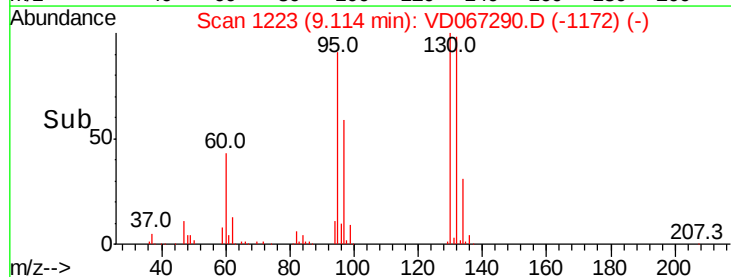
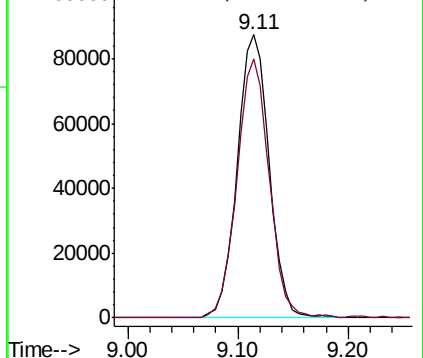
130 100

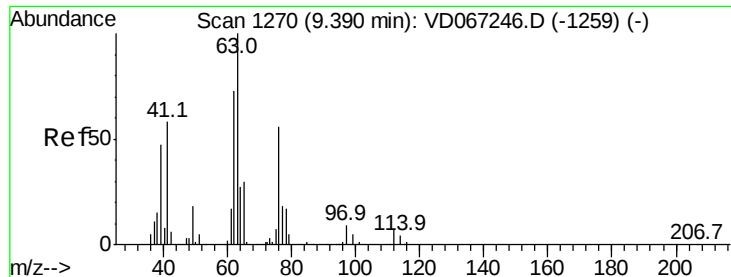
95 91.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.034 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

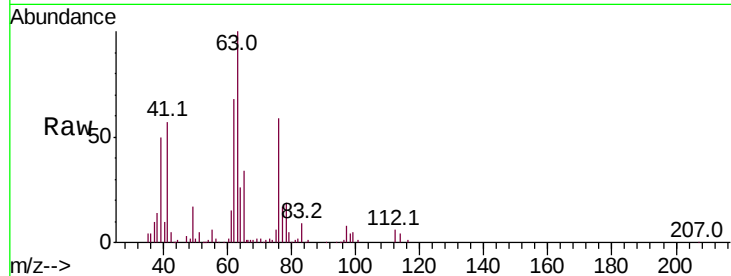
VSTDCCC050

Tot Ion: 63 Resp: 125145

Ion Ratio Lower Upper

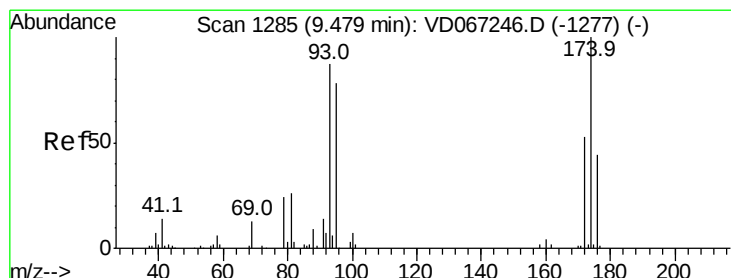
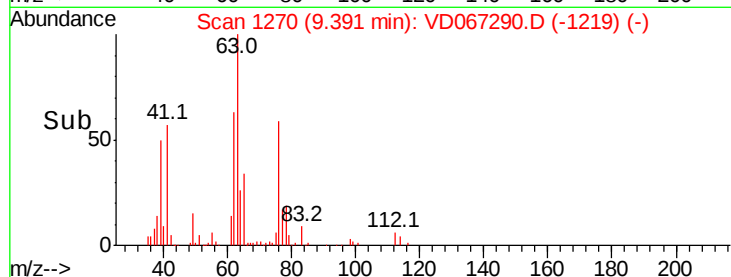
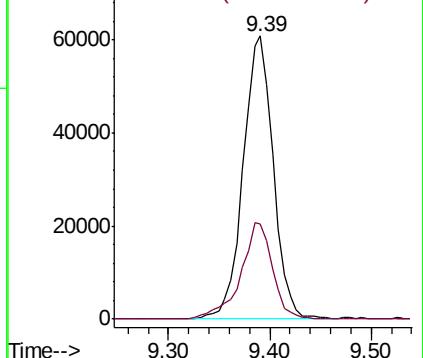
63 100

65 33.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.726 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

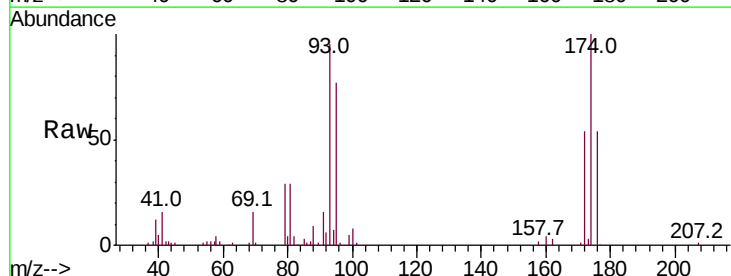
Tgt Ion: 93 Resp: 79096

Ion Ratio Lower Upper

93 100

95 84.2 68.0 102.0

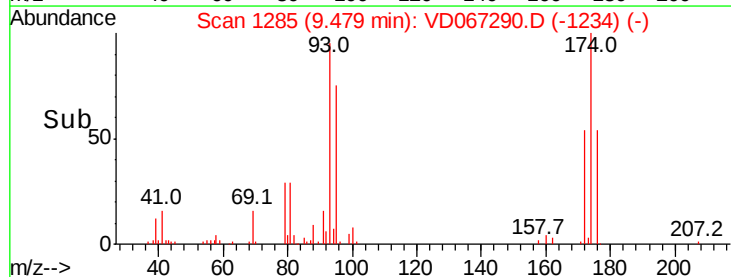
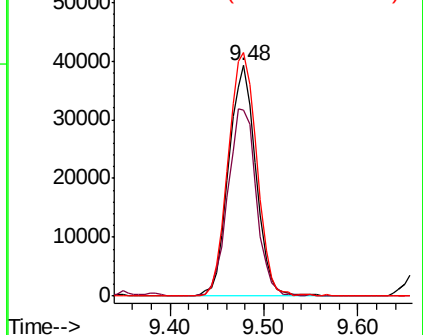
174 110.7 91.8 137.6

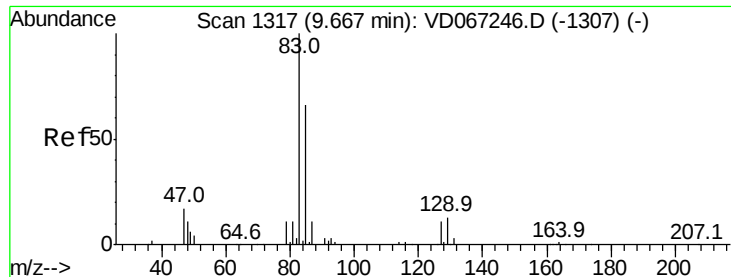


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.418 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

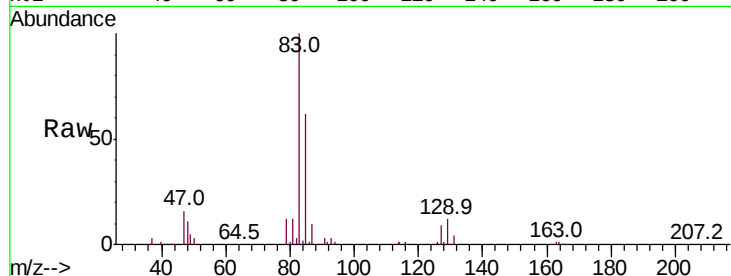
Tot Ion: 83 Resp: 219275

Ion Ratio Lower Upper

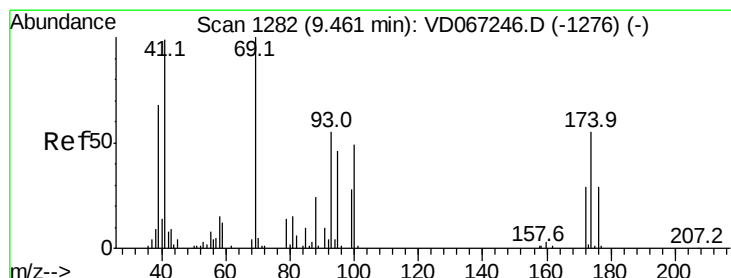
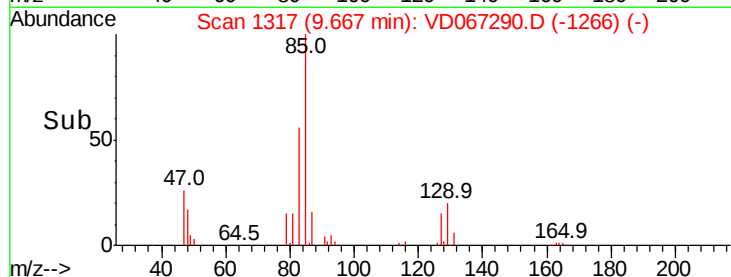
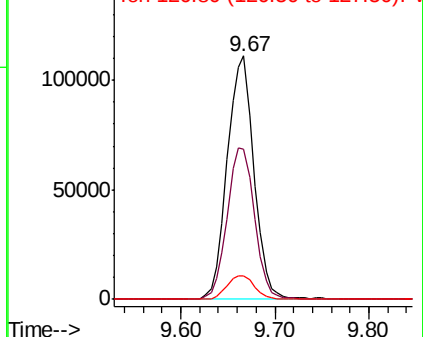
83 100

85 61.9 53.1 79.7

127 9.4 8.6 13.0



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: 50.488 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

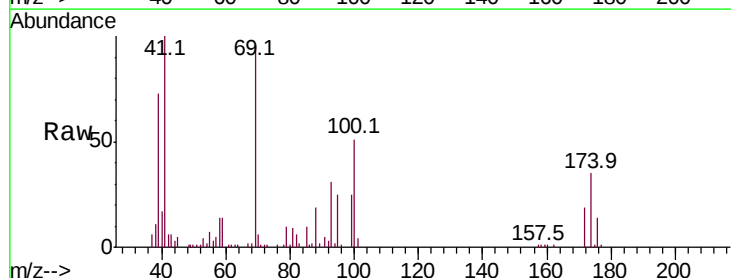
Tgt Ion: 41 Resp: 58696

Ion Ratio Lower Upper

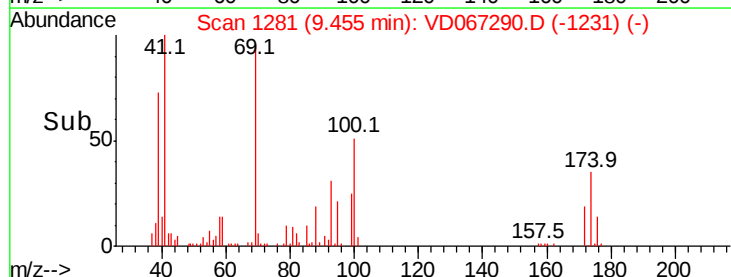
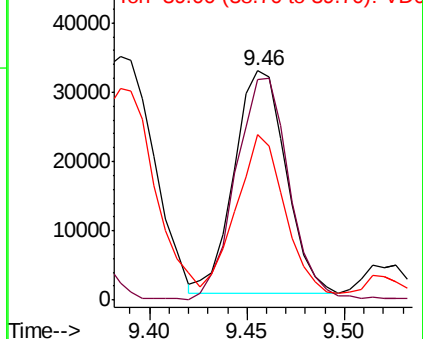
41 100

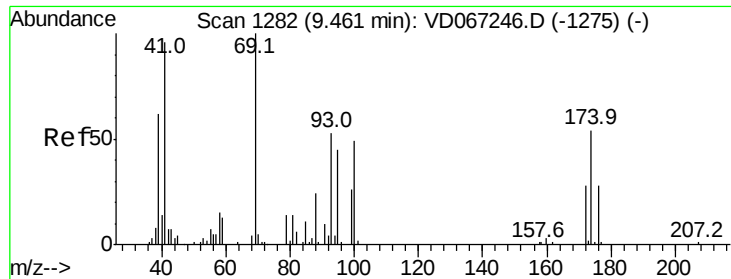
69 104.6 89.0 133.6

39 73.4 60.2 90.2



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

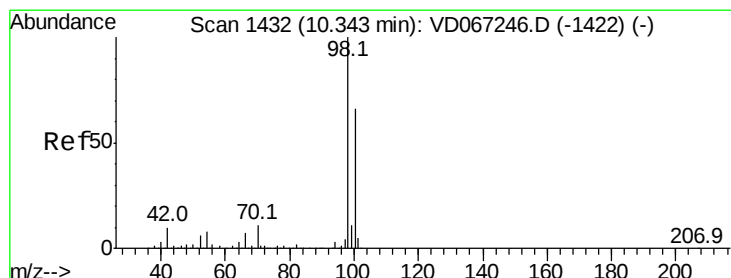
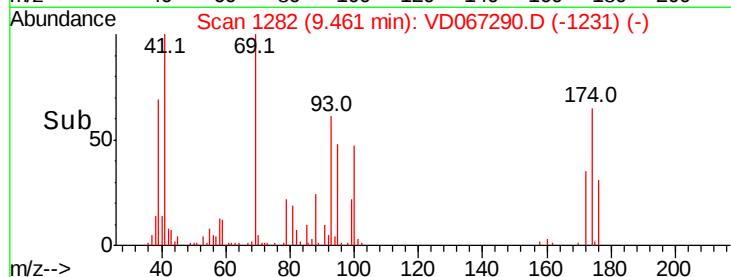
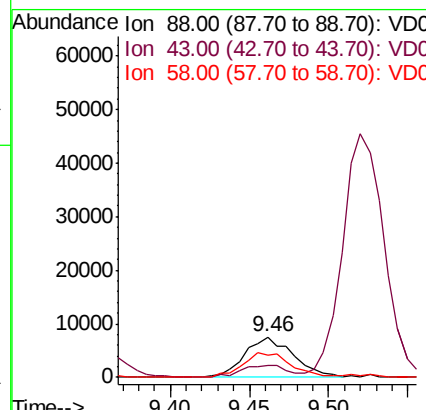
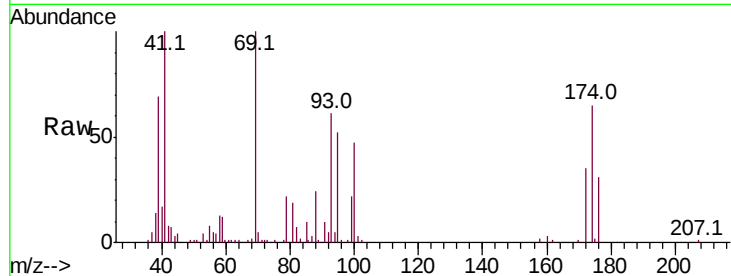




#49
 1,4-Dioxane
 Concen: 1018.716 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

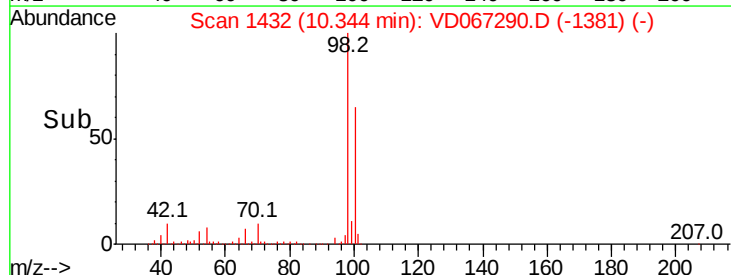
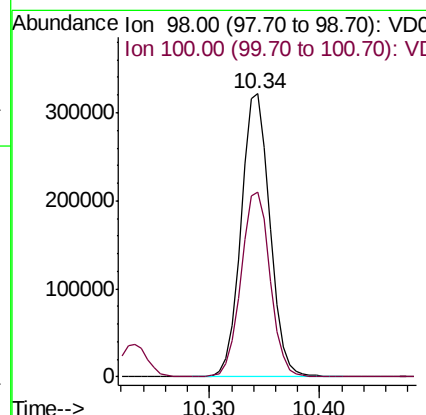
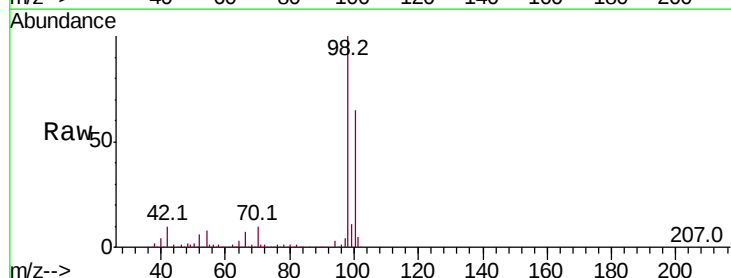
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

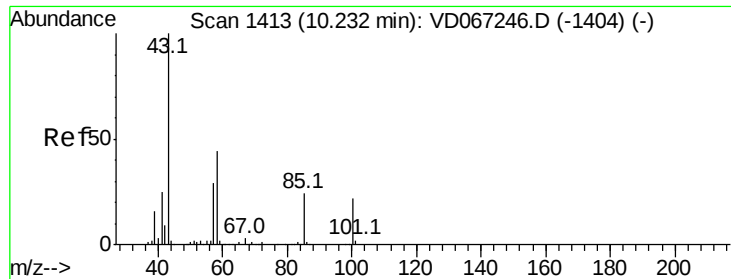
Tot Ion: 88 Resp: 15994
 Ion Ratio Lower Upper
 88 100
 43 29.4 23.9 35.9
 58 60.3 51.0 76.6



#50
 Toluene-d8
 Concen: 50.694 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion: 98 Resp: 590276
 Ion Ratio Lower Upper
 98 100
 100 66.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 246.548 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

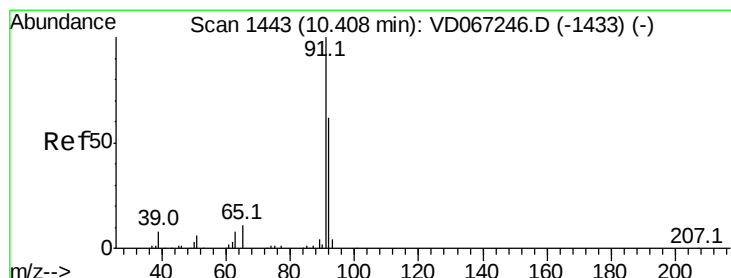
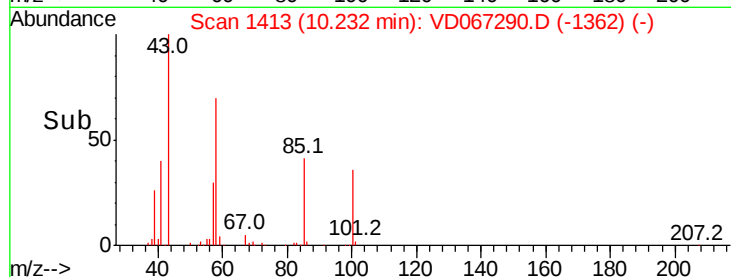
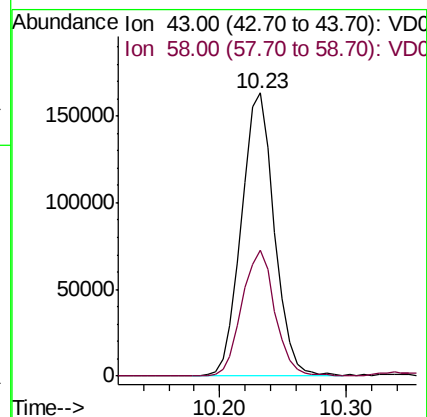
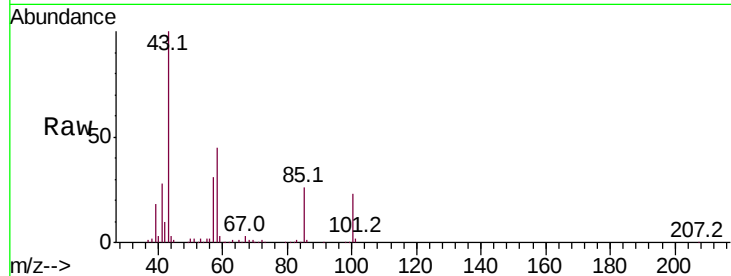
VSTDCCC050

Tot Ion: 43 Resp: 294181

Ion Ratio Lower Upper

43 100

58 44.7 35.7 53.5



#52

Toluene

Concen: 51.206 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067290.D

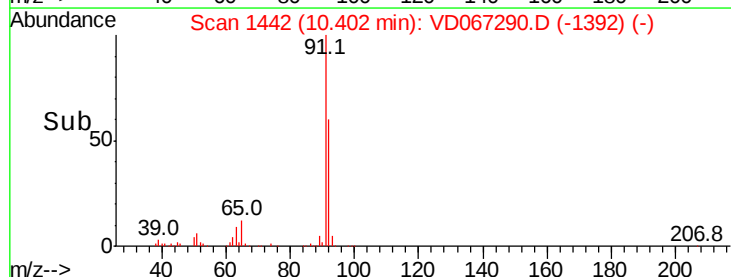
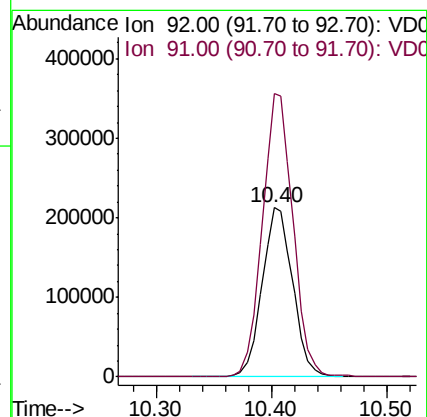
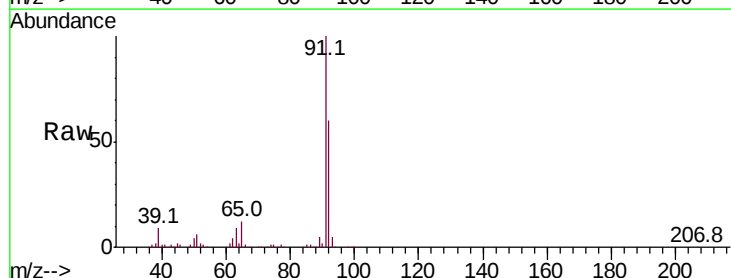
Acq: 16 Oct 2020 10:46

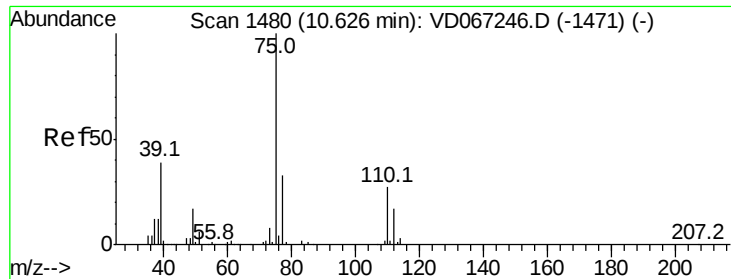
Tgt Ion: 92 Resp: 392074

Ion Ratio Lower Upper

92 100

91 168.1 133.8 200.8

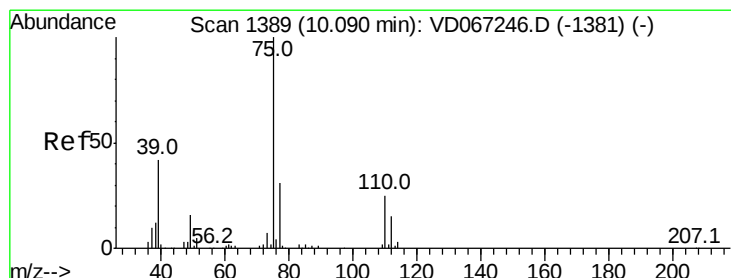
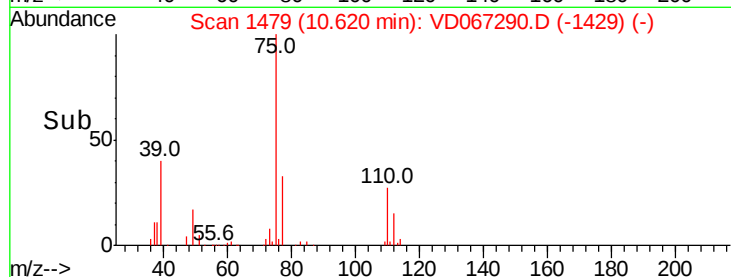
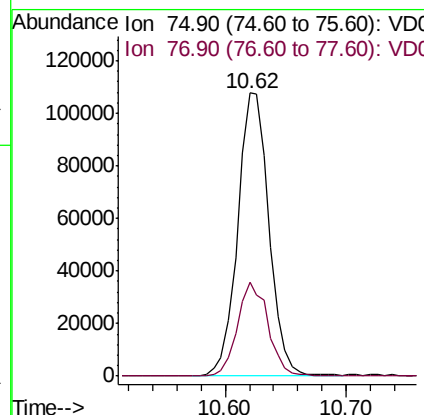
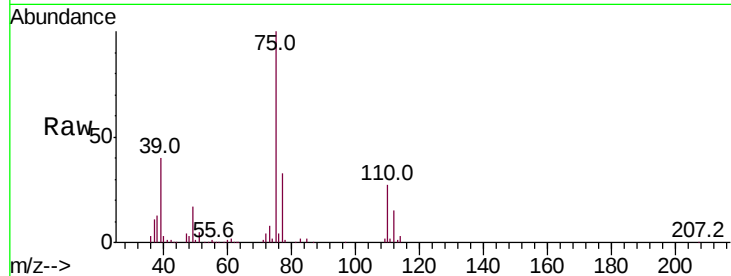




#53
t-1,3-Dichloropropene
Concen: 50.943 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

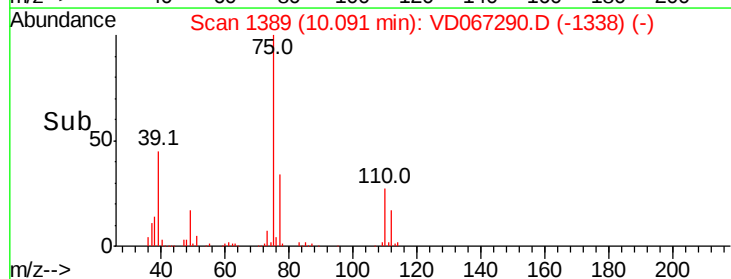
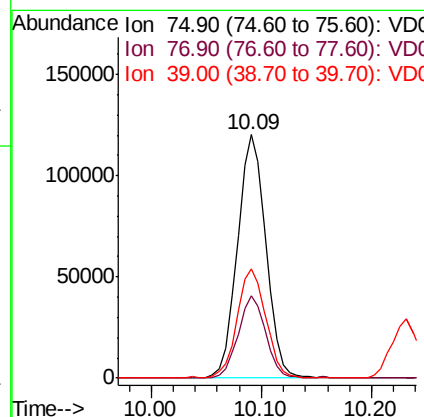
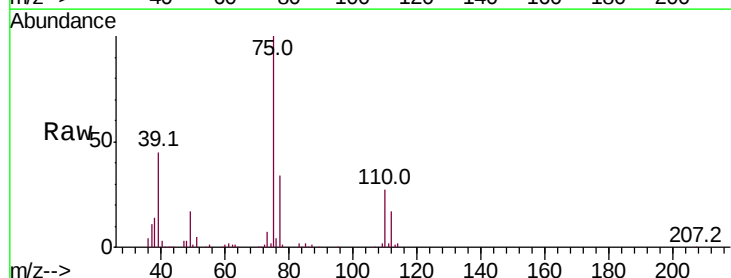
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

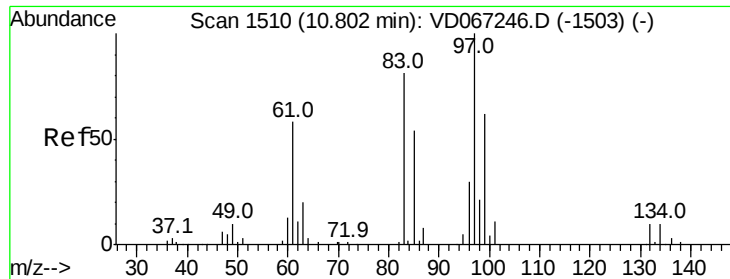
Tot Ion: 75 Resp: 194629
Ion Ratio Lower Upper
75 100
77 33.0 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 48.860 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 75 Resp: 218463
Ion Ratio Lower Upper
75 100
77 33.7 24.5 36.7
39 44.8 33.7 50.5

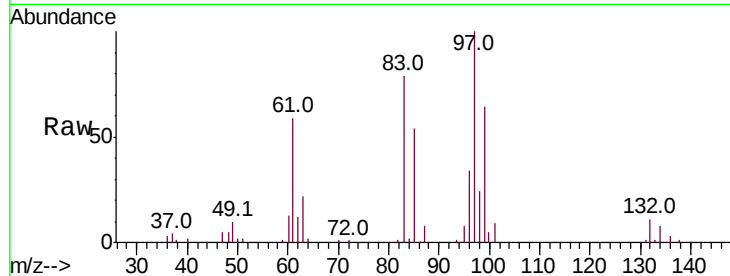




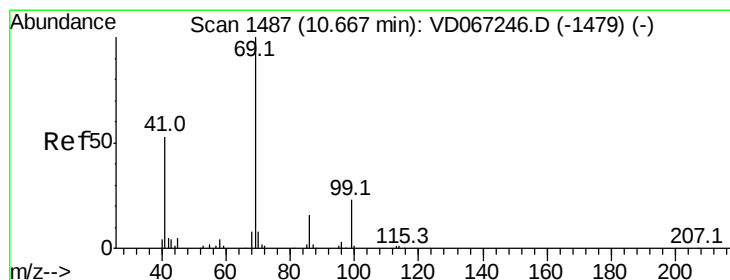
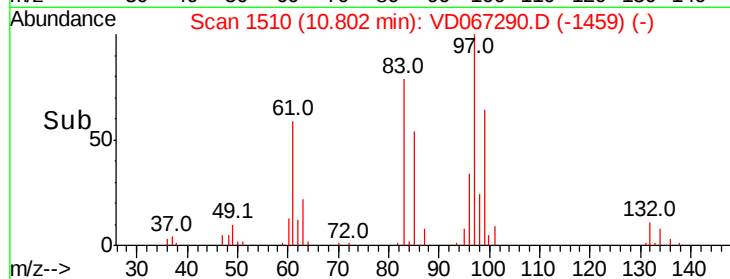
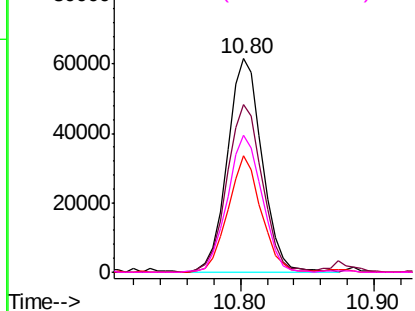
#55
 1,1,2-Trichloroethane
 Concen: 50.291 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	111321
Ion	Ratio	Lower	Upper
97	100		
83	78.7	64.9	97.3
85	54.4	43.3	64.9
99	63.5	49.1	73.7

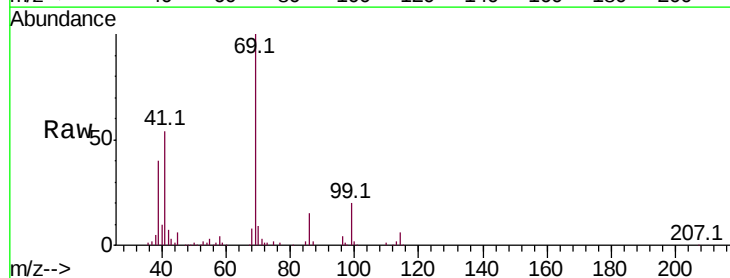


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

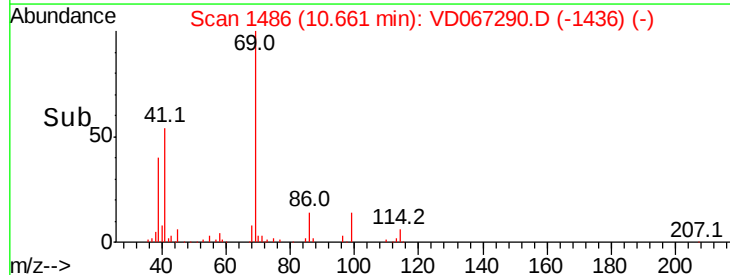
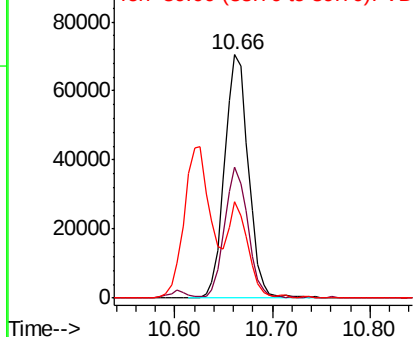


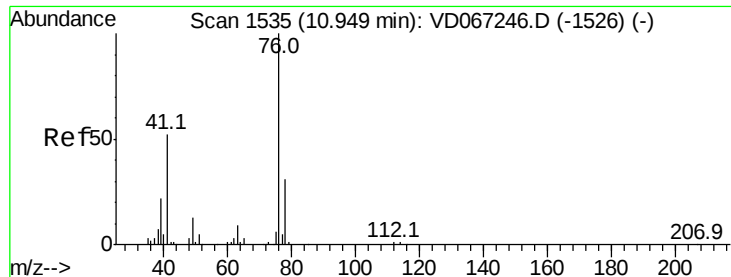
#56
 Ethyl methacrylate
 Concen: 52.163 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion:	69	Resp:	119750
Ion	Ratio	Lower	Upper
69	100		
41	51.8	44.7	67.1
39	31.6	26.2	39.2



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: 50.867 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

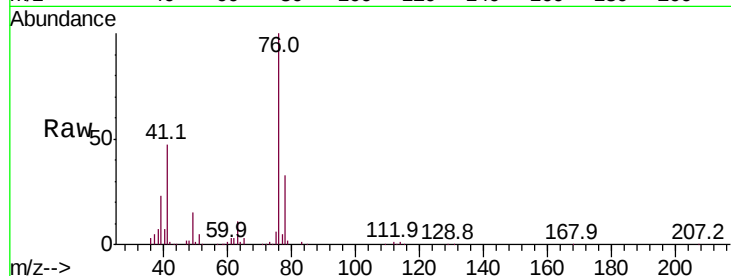
VSTDCCC050

Tot Ion: 76 Resp: 179189

Ion Ratio Lower Upper

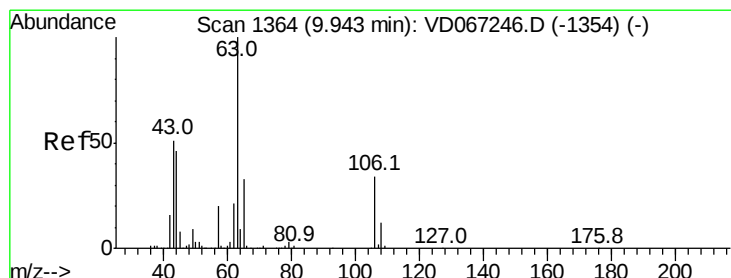
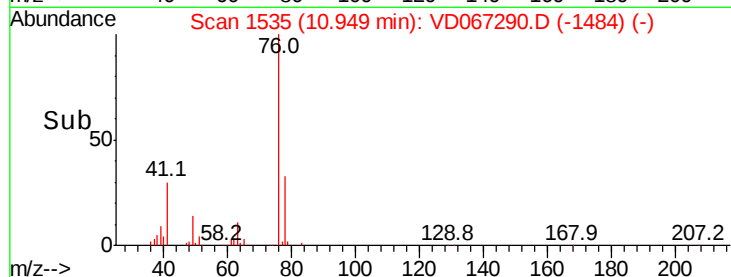
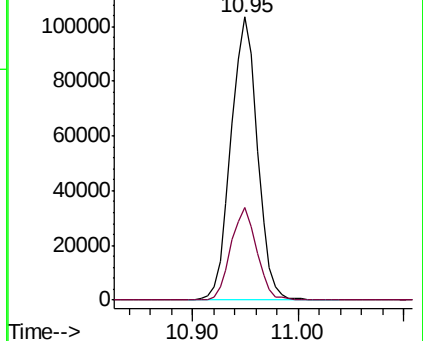
76 100

78 32.0 26.8 40.2



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: 271.321 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067290.D

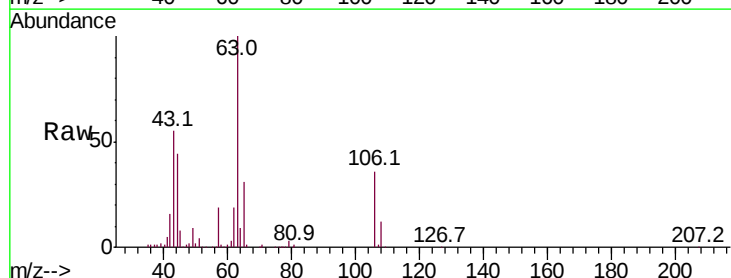
Acq: 16 Oct 2020 10:46

Tgt Ion: 63 Resp: 319532

Ion Ratio Lower Upper

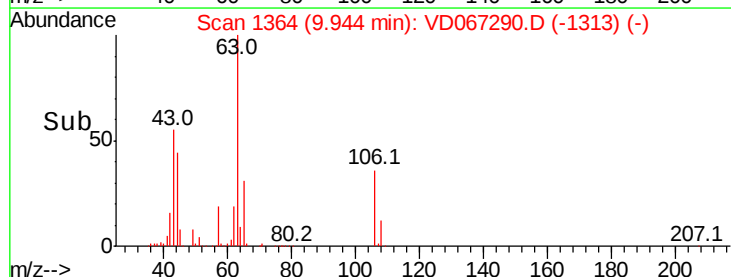
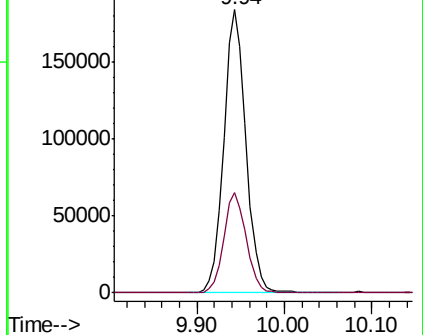
63 100

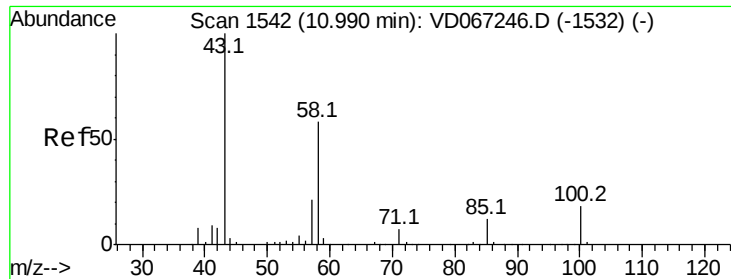
106 35.9 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

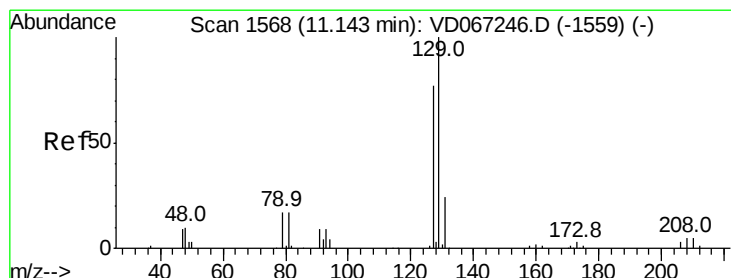
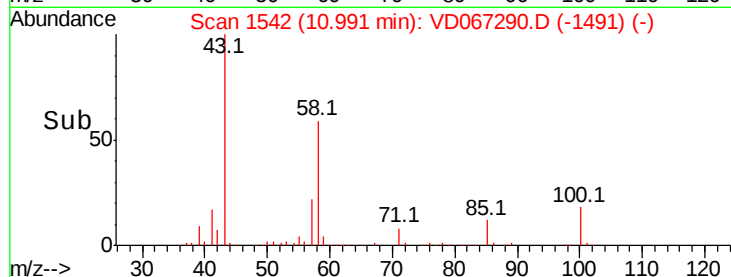
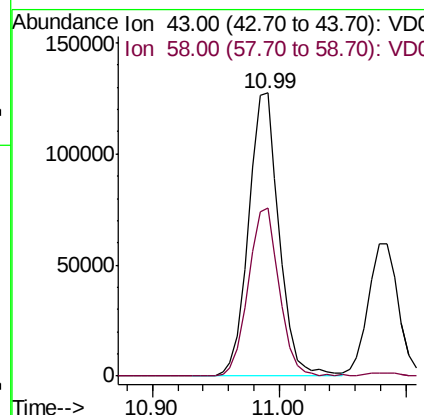
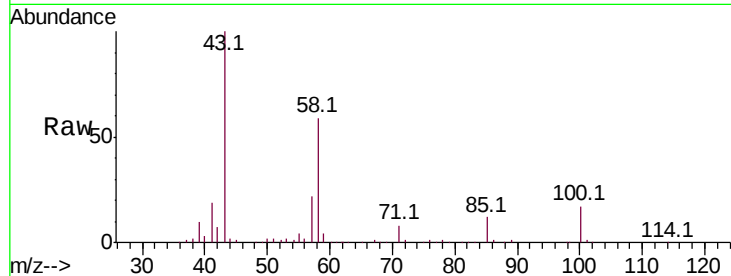




#59
2-Hexanone
Concen: 262.290 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

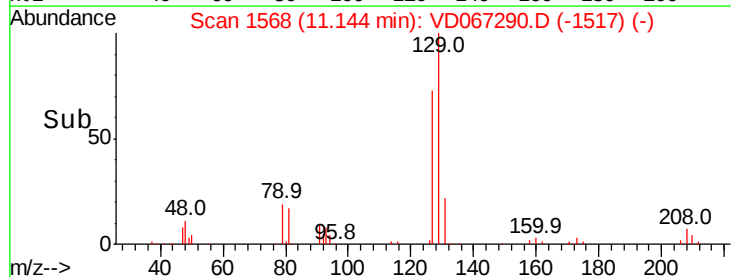
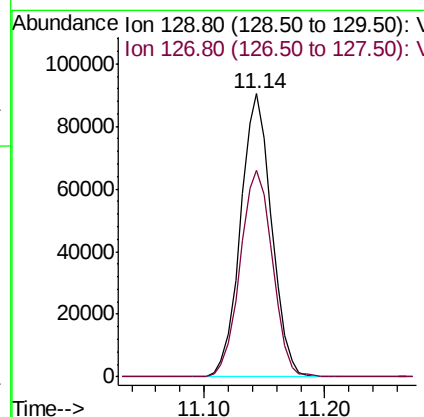
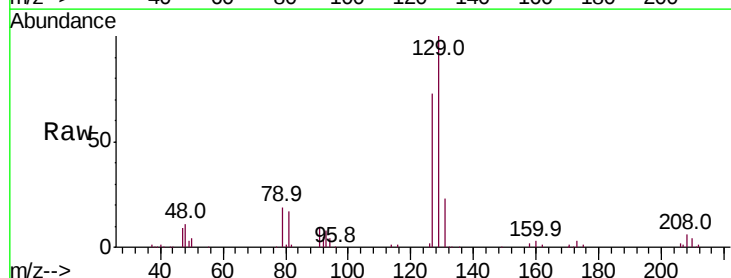
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

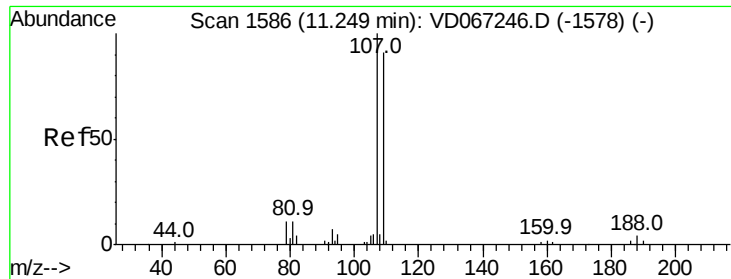
Tot Ion: 43 Resp: 213858
Ion Ratio Lower Upper
43 100
58 59.9 29.3 87.9



#60
Dibromochloromethane
Concen: 50.267 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion:129 Resp: 162269
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8

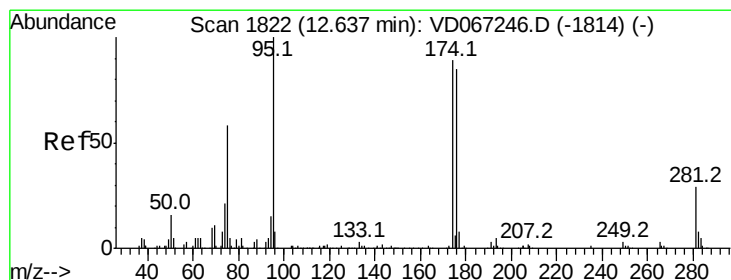
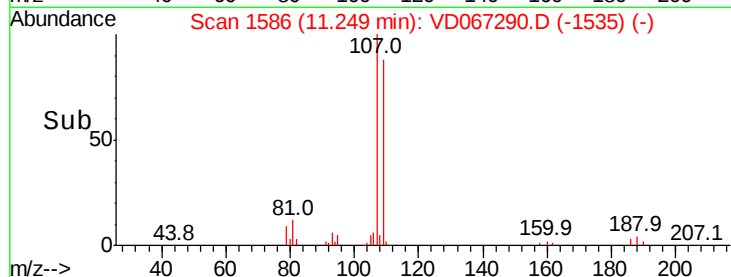
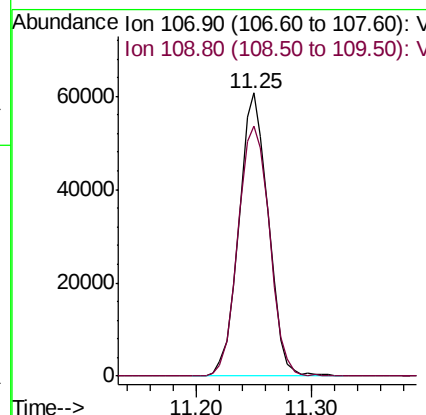
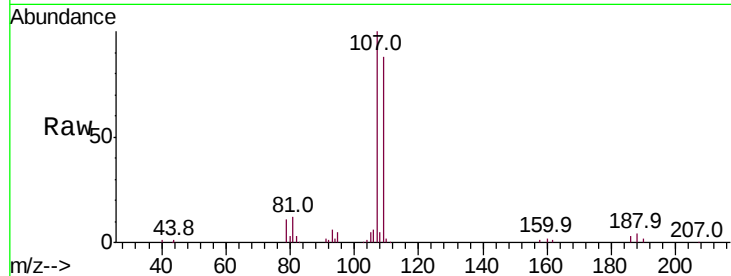




#61
 1,2-Dibromoethane
 Concen: 48.997 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

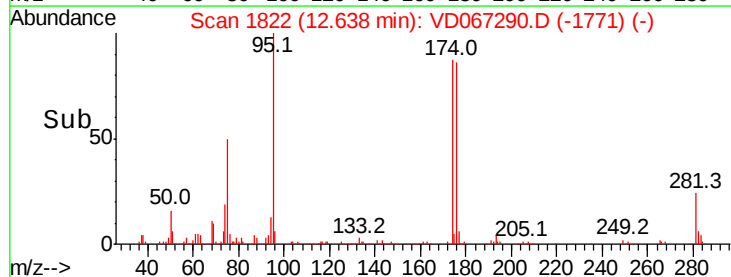
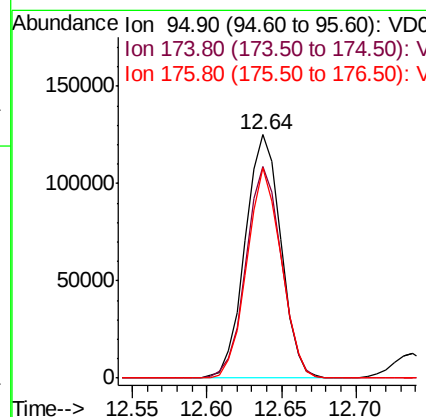
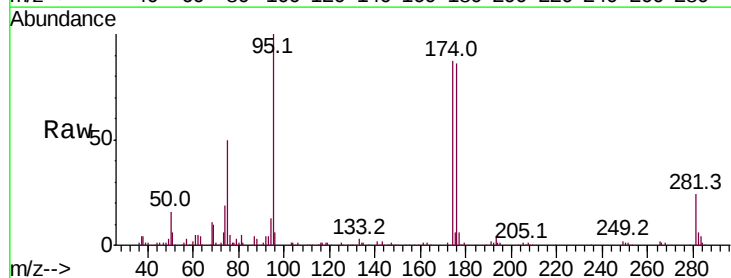
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

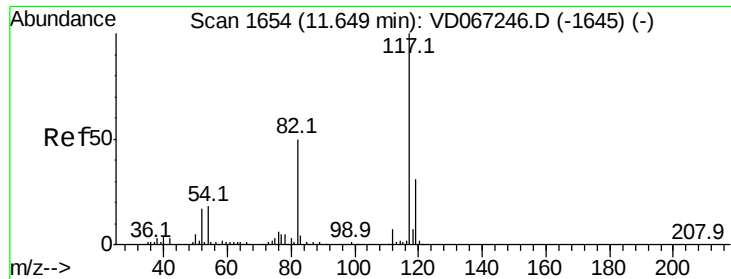
Tot Ion:107 Resp: 106924
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 51.148 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion: 95 Resp: 207090
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 175.2
 176 83.1 0.0 168.6

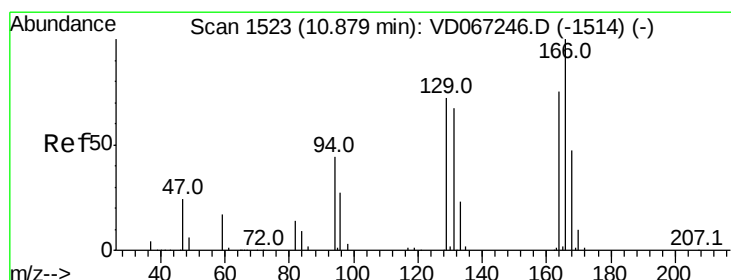
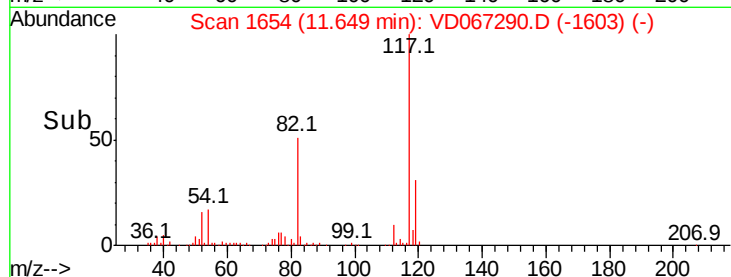
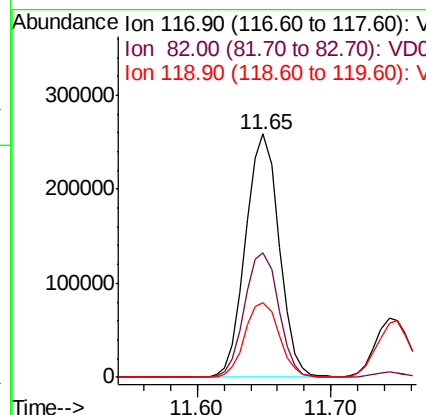
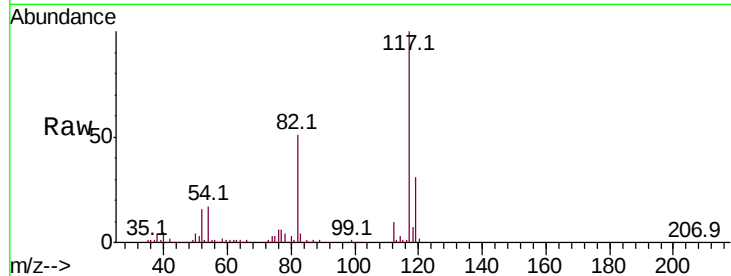




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

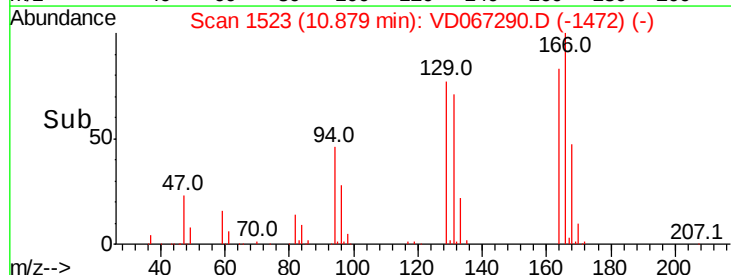
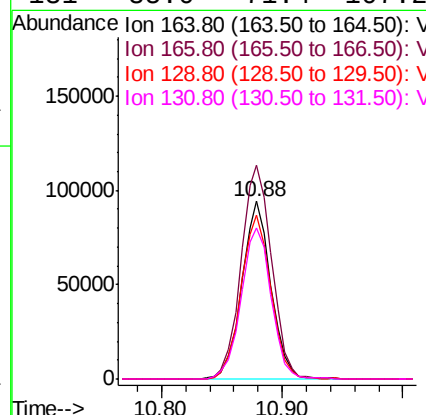
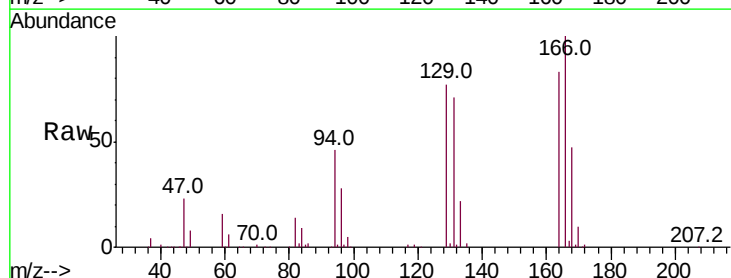
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

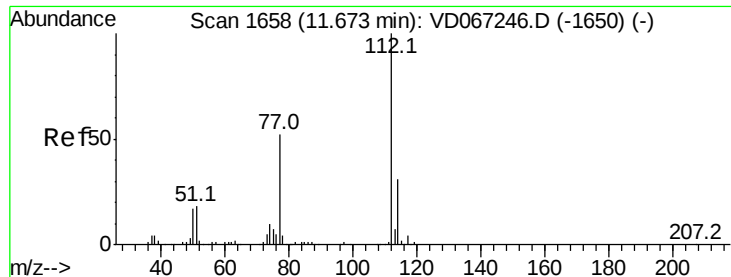
Tot Ion:117 Resp: 449653
Ion Ratio Lower Upper
117 100
82 51.4 39.9 59.9
119 30.8 24.9 37.3



#64
Tetrachloroethene
Concen: 48.372 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion:164 Resp: 157591
Ion Ratio Lower Upper
164 100
166 120.4 107.3 160.9
129 92.4 77.3 115.9
131 85.0 71.4 107.2

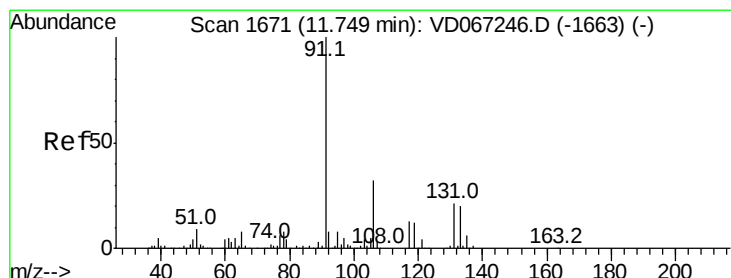
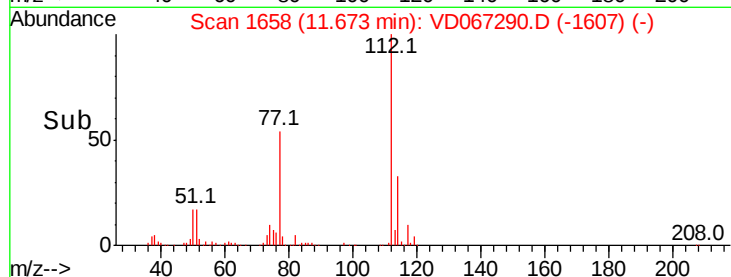
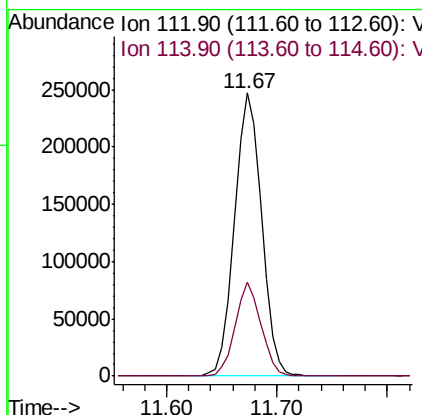
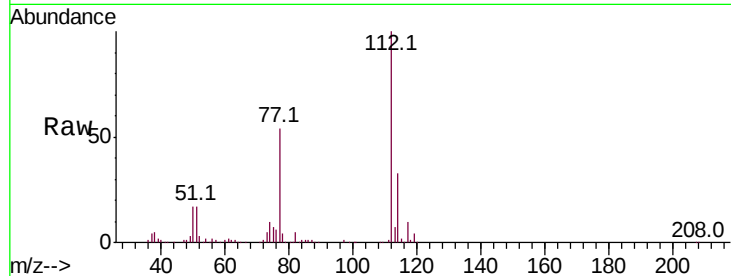




#65
Chlorobenzene
Concen: 49.558 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

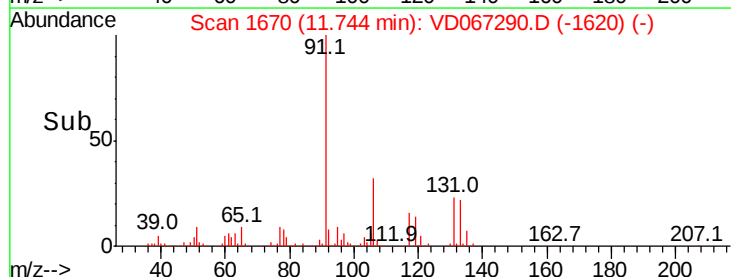
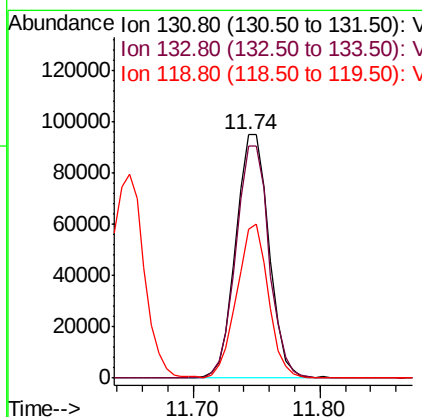
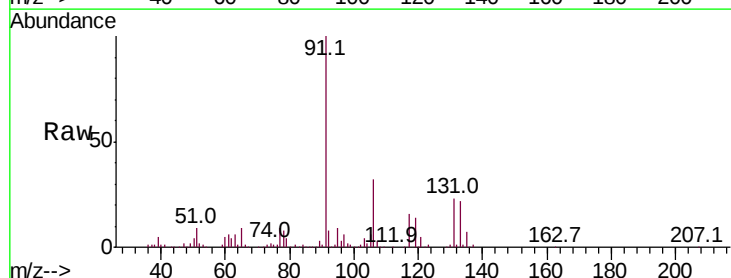
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

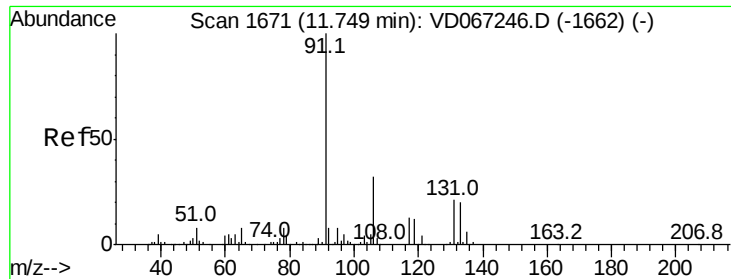
Tot Ion:112 Resp: 427316
Ion Ratio Lower Upper
112 100
114 33.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.319 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion:131 Resp: 172443
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.3
119 60.0 30.0 90.0





#67

Ethyl Benzene

Concen: 50.501 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

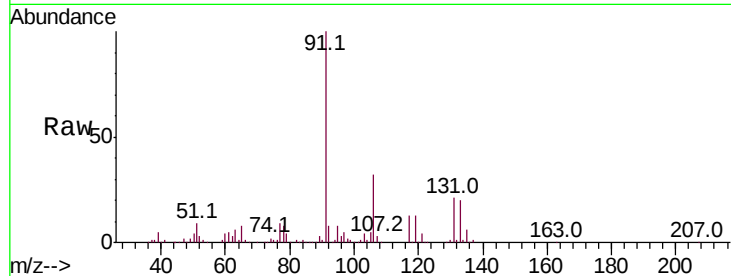
VSTDCCC050

Tot Ion: 91 Resp: 746442

Ion Ratio Lower Upper

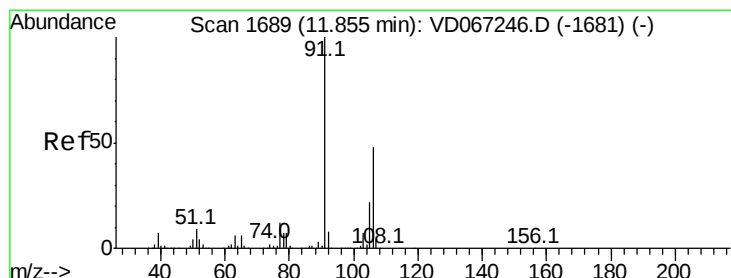
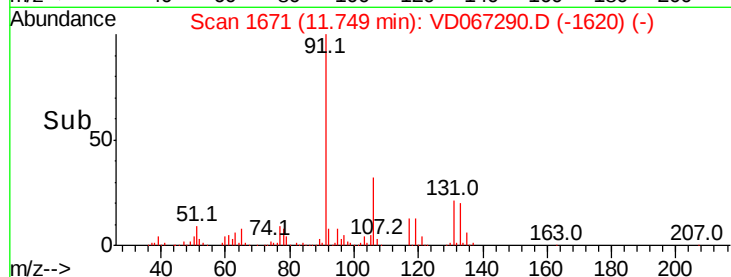
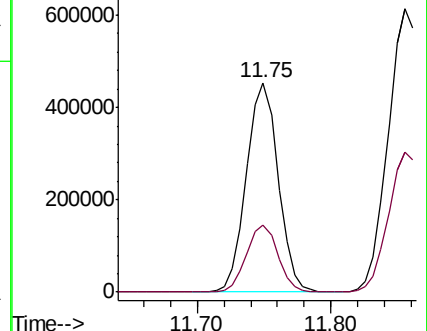
91 100

106 32.1 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 101.310 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067290.D

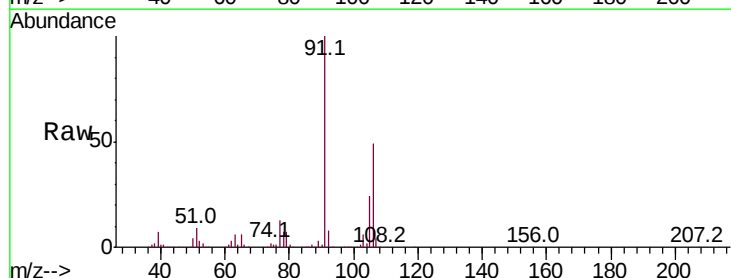
Acq: 16 Oct 2020 10:46

Tgt Ion:106 Resp: 576641

Ion Ratio Lower Upper

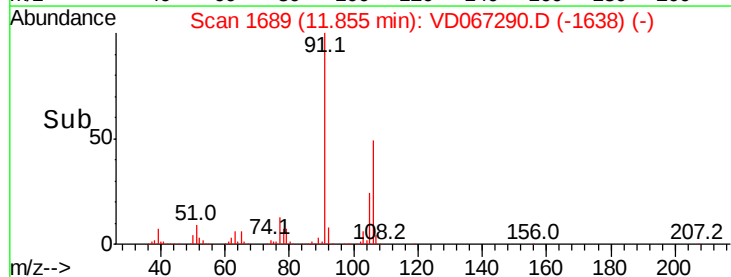
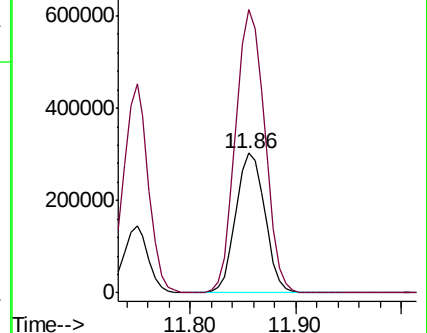
106 100

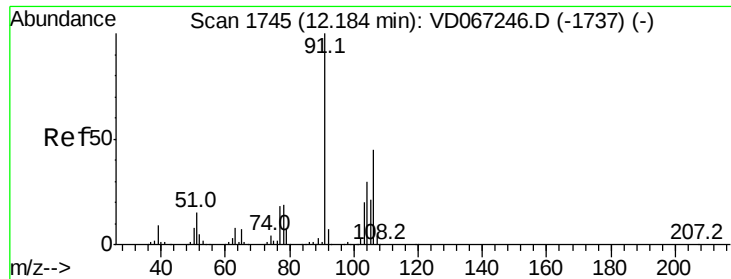
91 203.6 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

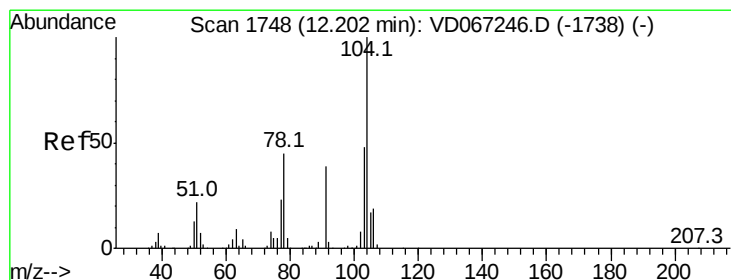
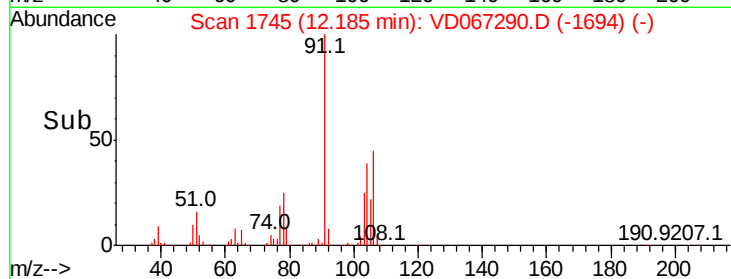
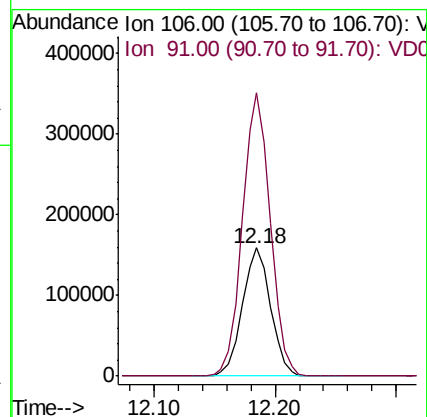
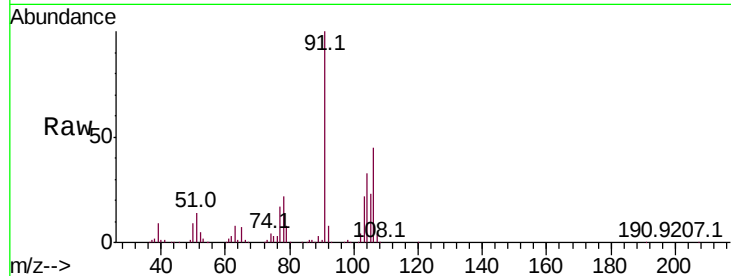




#69
o-Xylene
Concen: 49.270 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

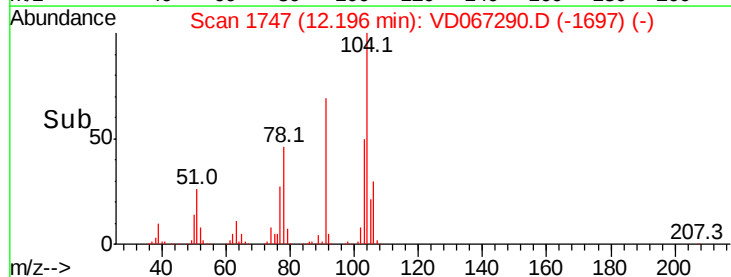
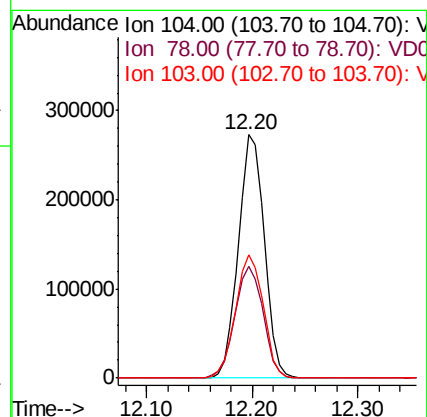
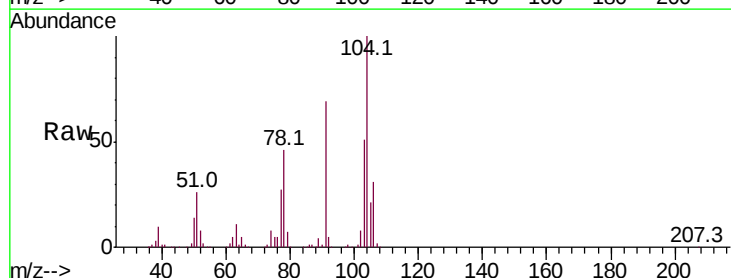
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

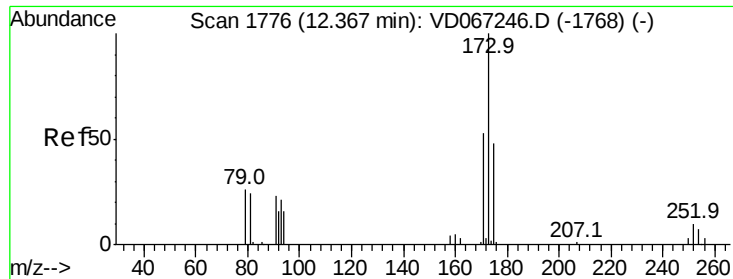
Tot Ion:106 Resp: 259686
Ion Ratio Lower Upper
106 100
91 217.4 109.1 327.3



#70
Styrene
Concen: 50.997 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion:104 Resp: 462706
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.6
103 54.0 42.6 64.0





#71

Bromoform

Concen: 50.221 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

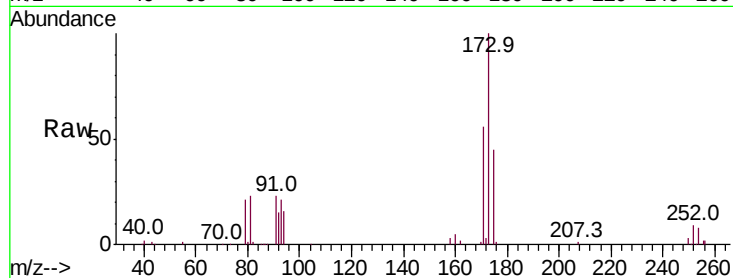
Tot Ion:173 Resp: 92461

Ion Ratio Lower Upper

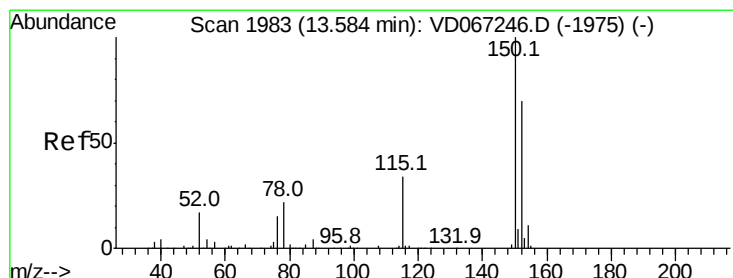
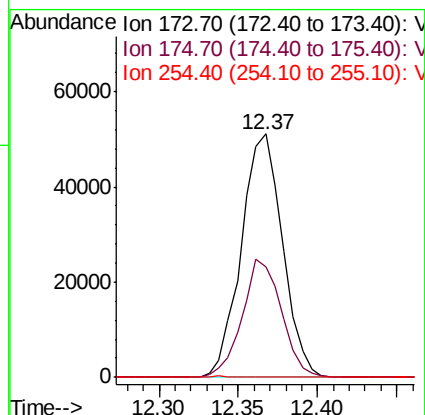
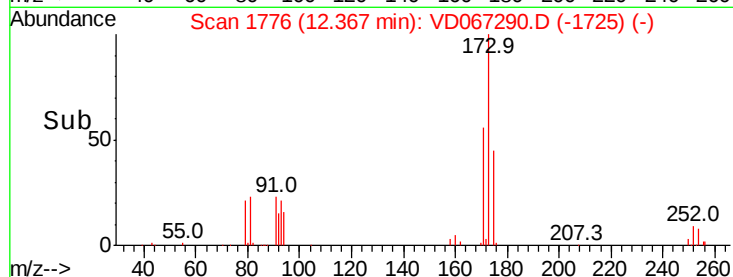
173 100

175 46.2 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

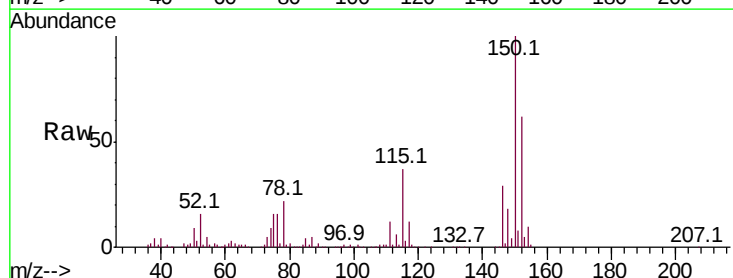
Tgt Ion:152 Resp: 224673

Ion Ratio Lower Upper

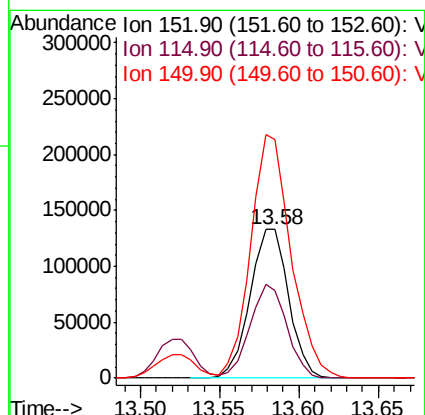
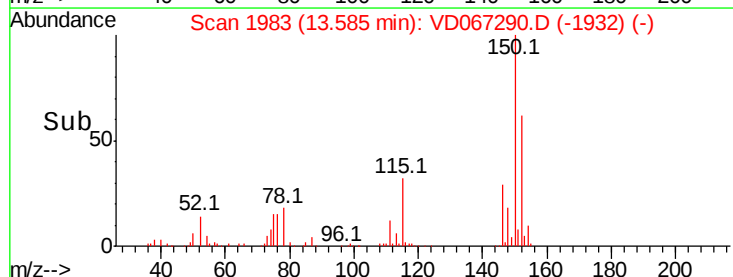
152 100

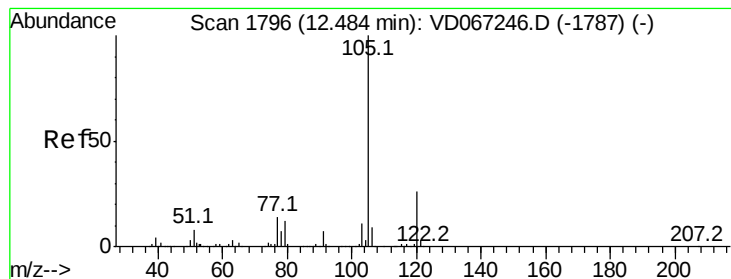
115 60.2 29.3 87.9

150 171.8 0.0 339.0



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





#73

Isopropylbenzene

Concen: 52.629 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

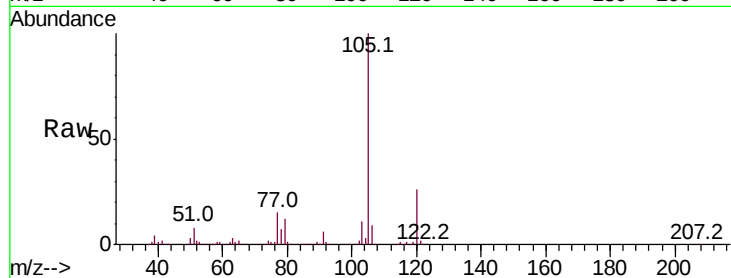
VSTDCCC050

Tot Ion:105 Resp: 750450

Ion Ratio Lower Upper

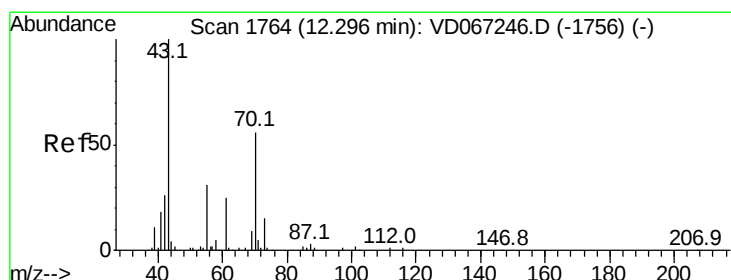
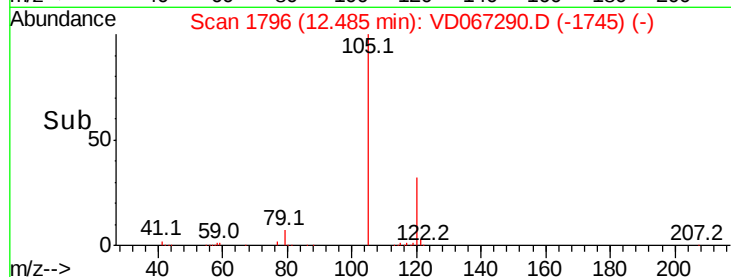
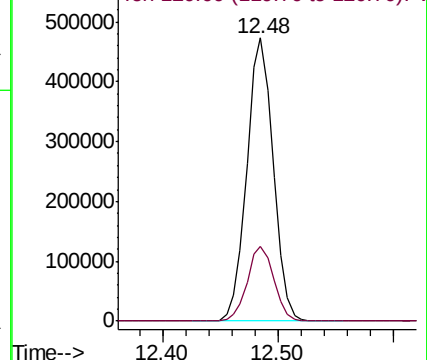
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.026 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion: 43 Resp: 105583

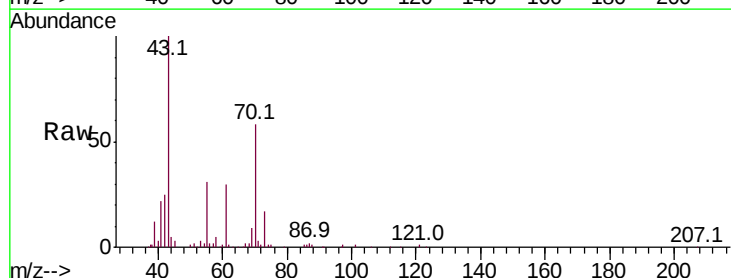
Ion Ratio Lower Upper

43 100

70 54.9 42.7 64.1

55 31.9 24.0 36.0

61 27.3 22.2 33.4

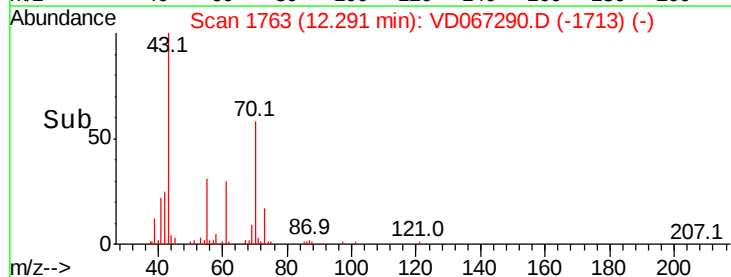
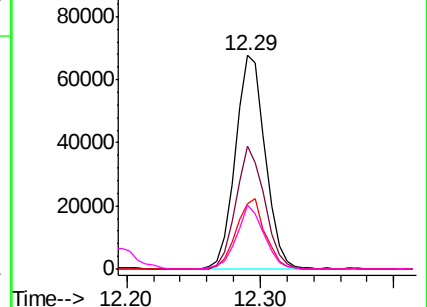


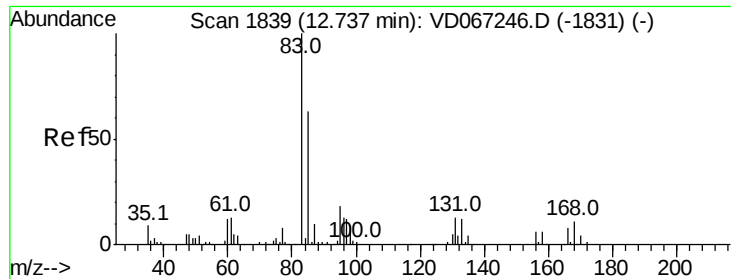
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.849 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

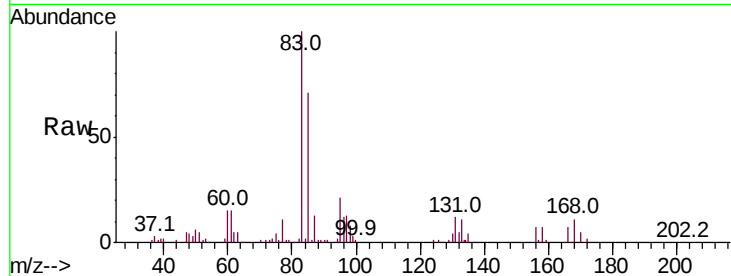
Tot Ion: 83 Resp: 108913

Ion Ratio Lower Upper

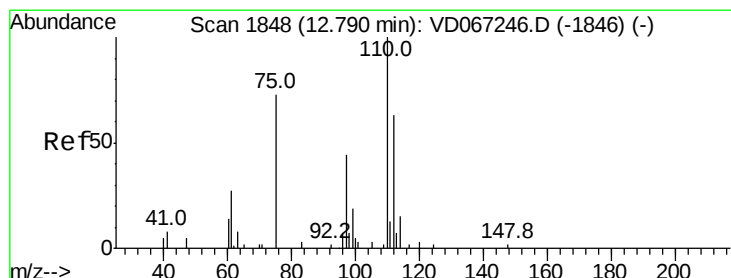
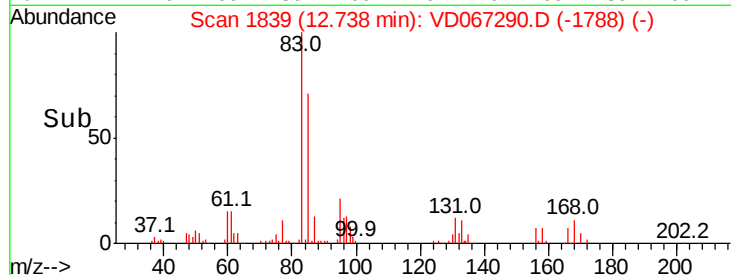
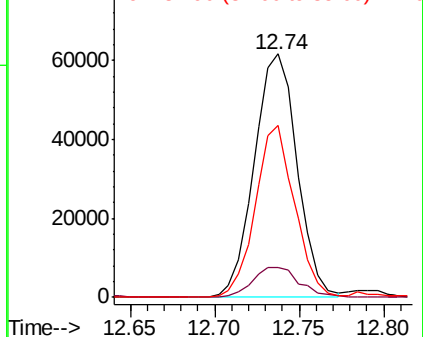
83 100

131 13.6 6.5 19.5

85 64.8 32.6 97.7



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: 93.325 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067290.D

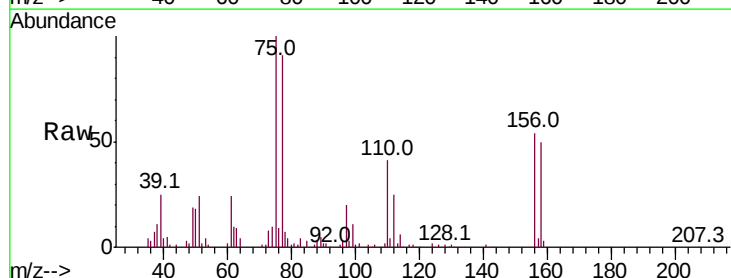
Acq: 16 Oct 2020 10:46

Tgt Ion: 75 Resp: 145325

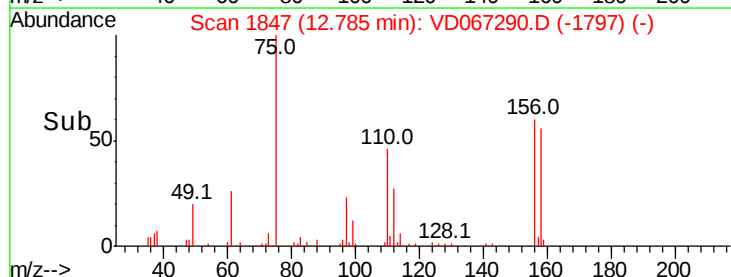
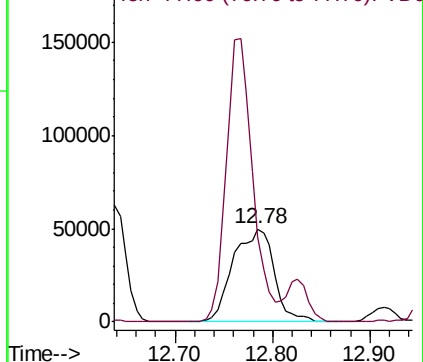
Ion Ratio Lower Upper

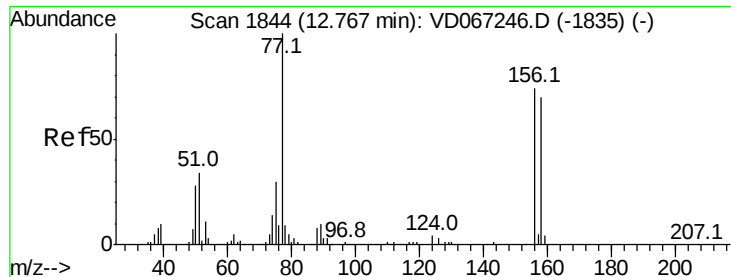
75 100

77 196.2 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: 50.759 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

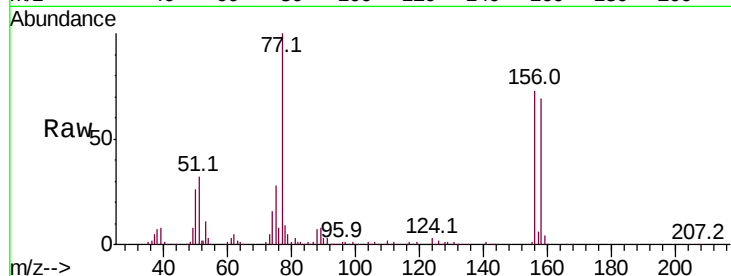
Tot Ion:156 Resp: 180447

Ion Ratio Lower Upper

156 100

77 158.0 78.0 233.8

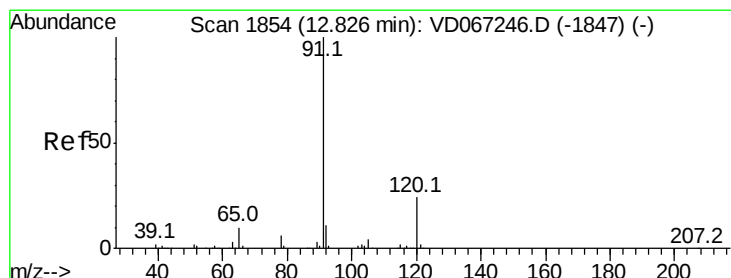
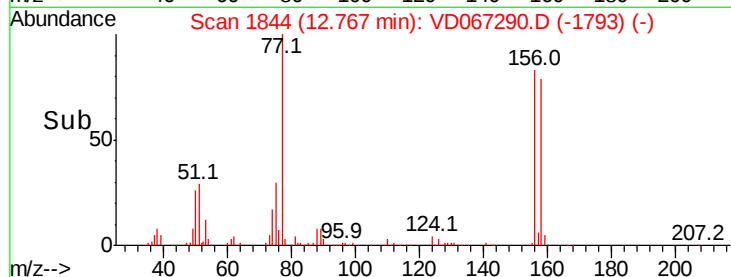
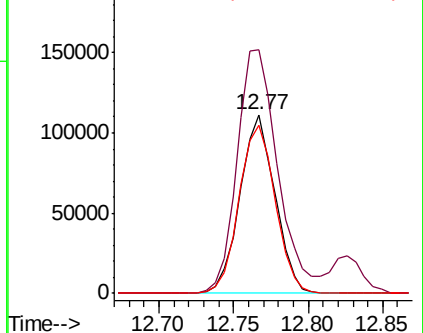
158 97.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.085 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067290.D

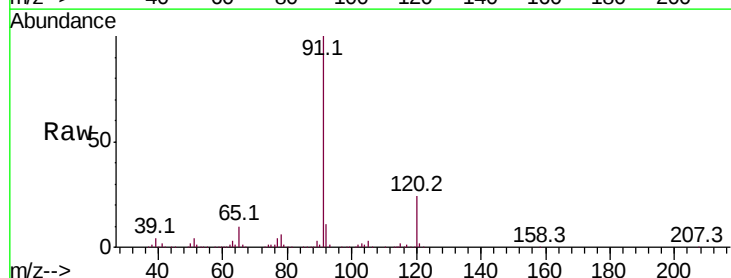
Acq: 16 Oct 2020 10:46

Tgt Ion: 91 Resp: 860508

Ion Ratio Lower Upper

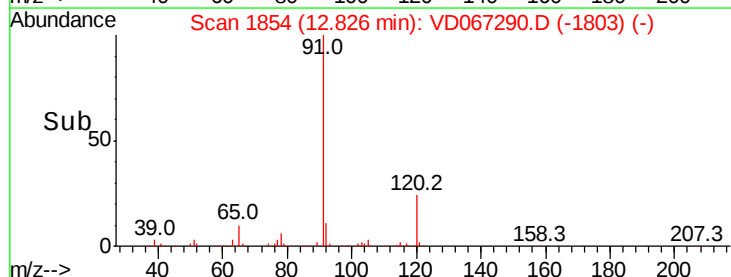
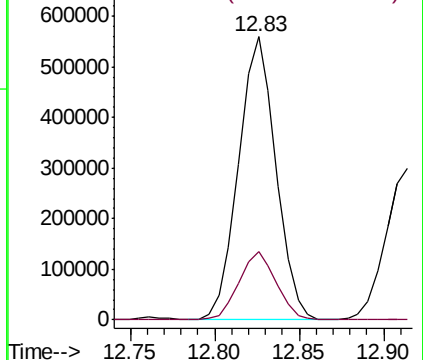
91 100

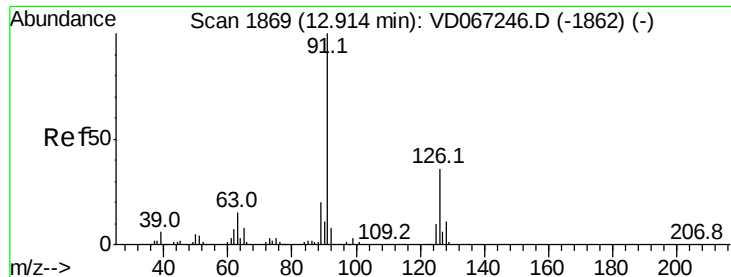
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.224 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

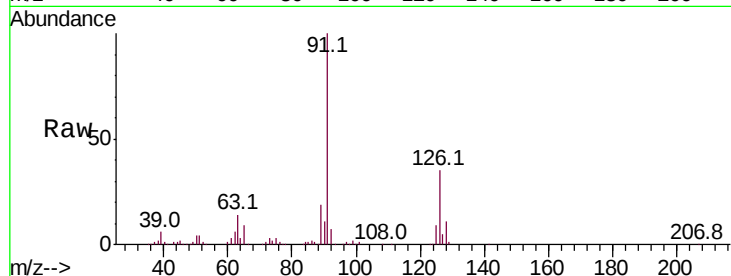
VSTDCCC050

Tot Ion: 91 Resp: 490771

Ion Ratio Lower Upper

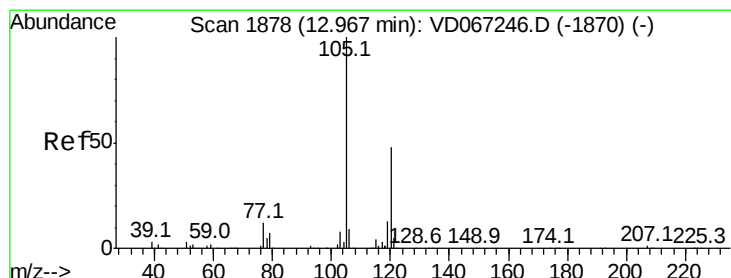
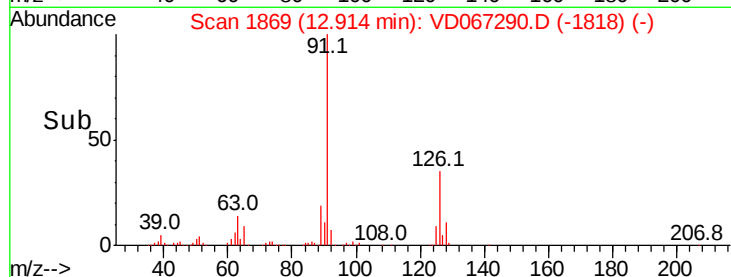
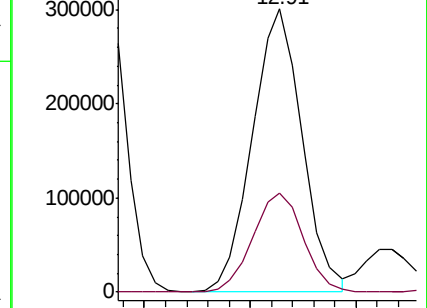
91 100

126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.274 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067290.D

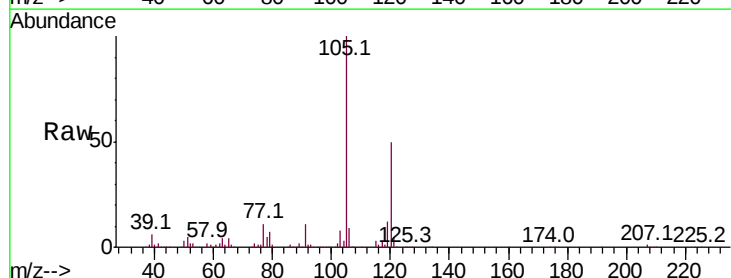
Acq: 16 Oct 2020 10:46

Tgt Ion: 105 Resp: 647741

Ion Ratio Lower Upper

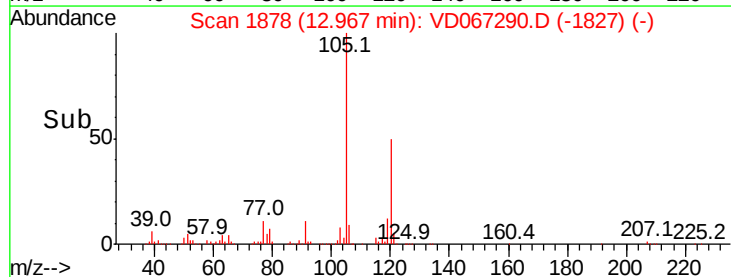
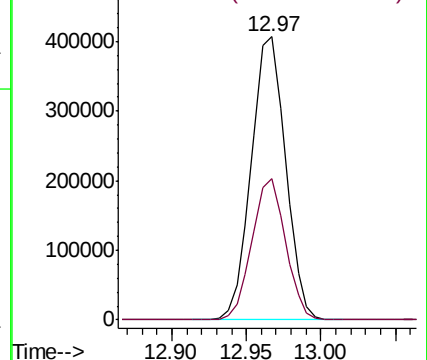
105 100

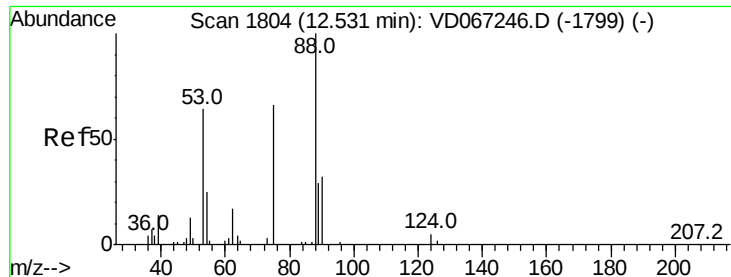
120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

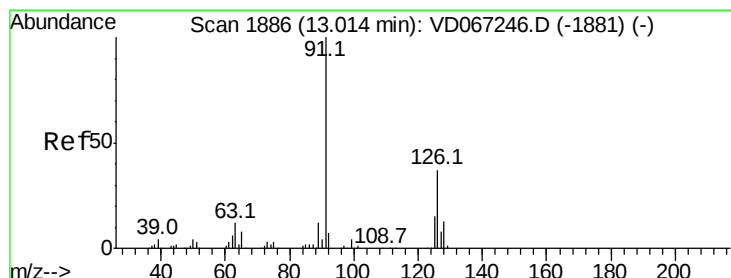
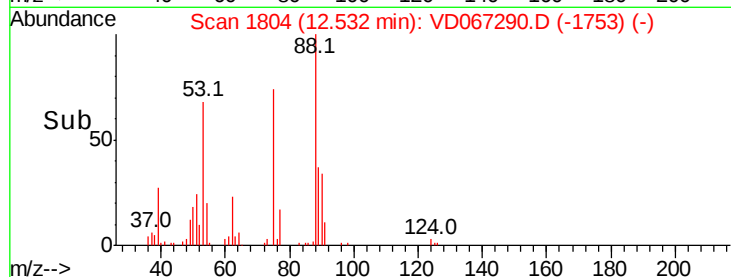
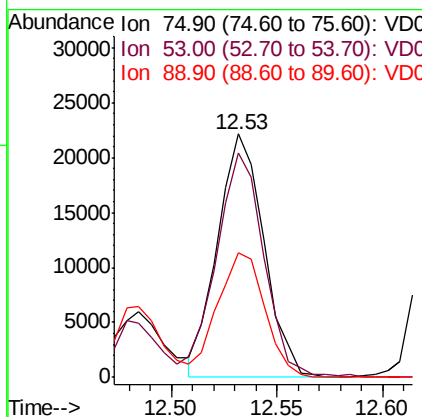
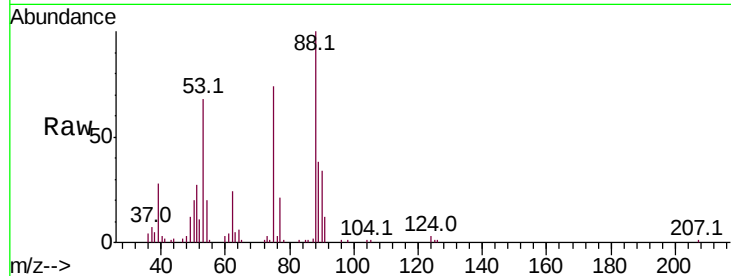




#81
trans-1,4-Dichloro-2-butene
Concen: 49.073 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

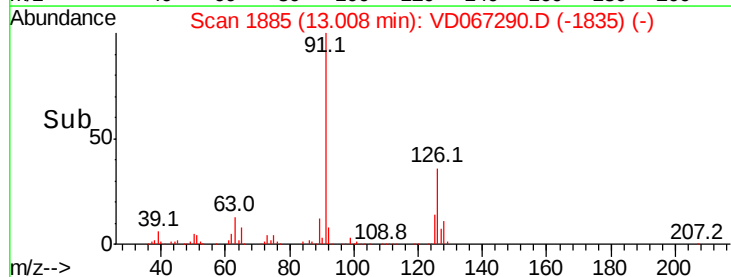
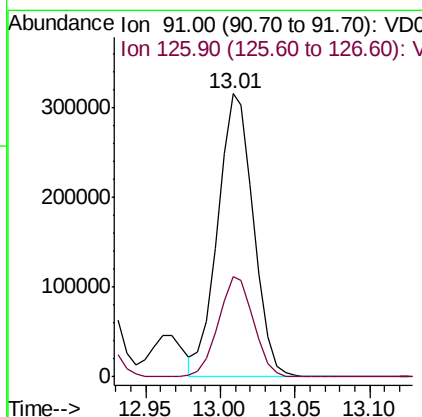
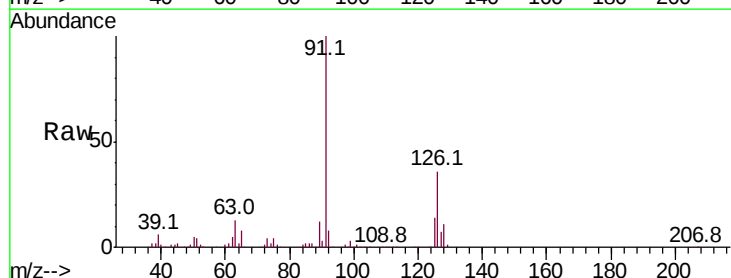
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

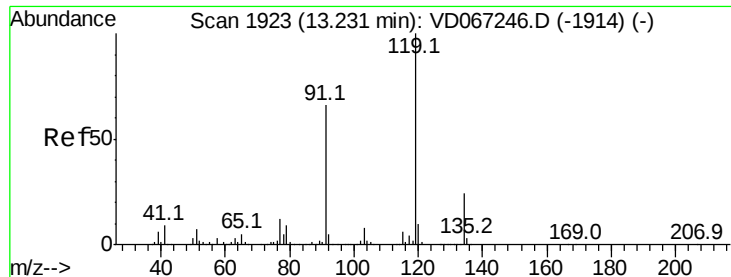
Tot Ion: 75 Resp: 33698
Ion Ratio Lower Upper
75 100
53 95.2 78.5 117.7
89 52.1 39.9 59.9



#82
4-Chlorotoluene
Concen: 51.873 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 91 Resp: 527484
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.5





#83

tert-Butylbenzene

Concen: 53.226 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

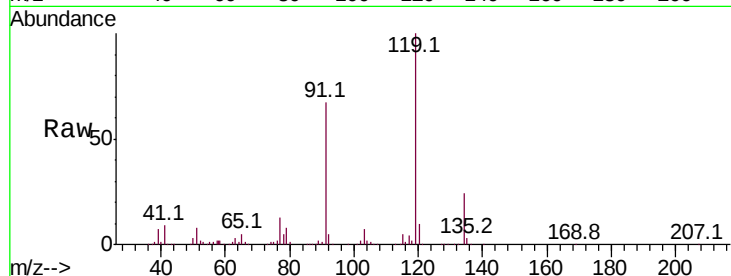
Tot Ion:119 Resp: 557116

Ion Ratio Lower Upper

119 100

91 64.5 33.1 99.2

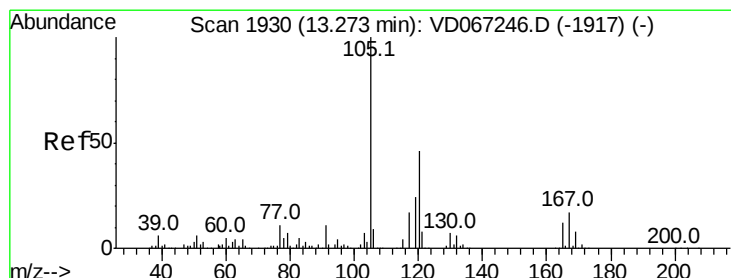
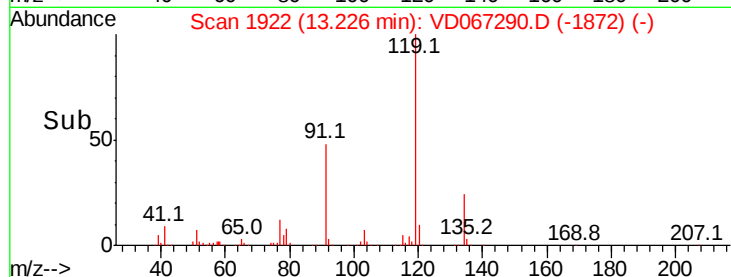
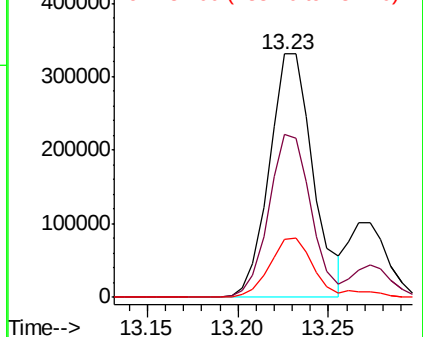
134 26.0 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.867 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067290.D

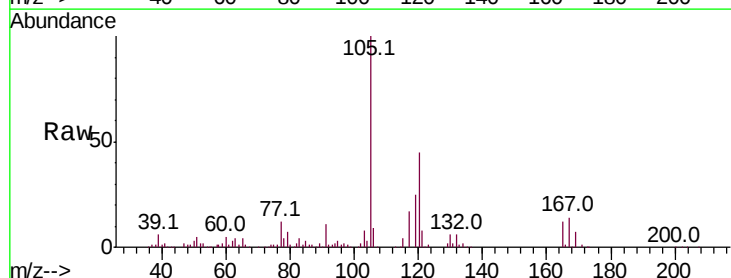
Acq: 16 Oct 2020 10:46

Tgt Ion:105 Resp: 647465

Ion Ratio Lower Upper

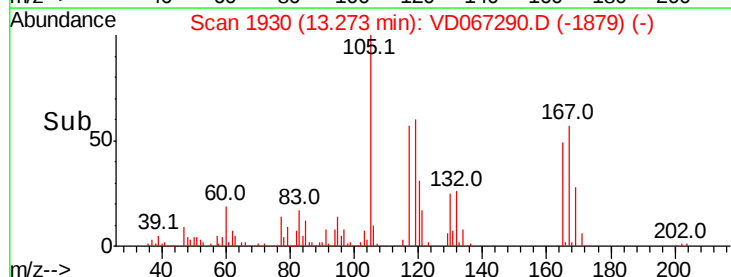
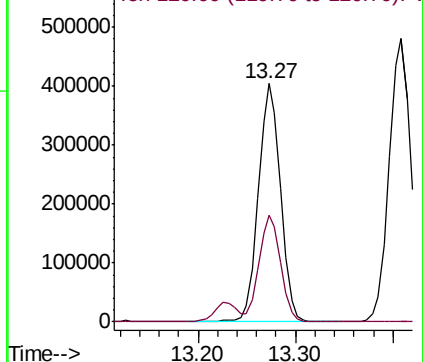
105 100

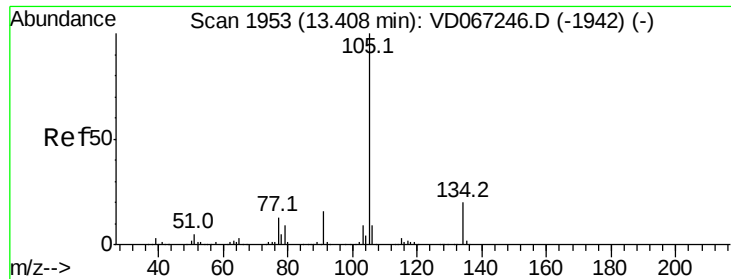
120 43.4 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.158 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

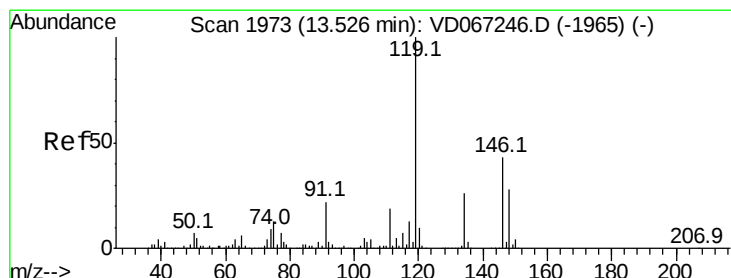
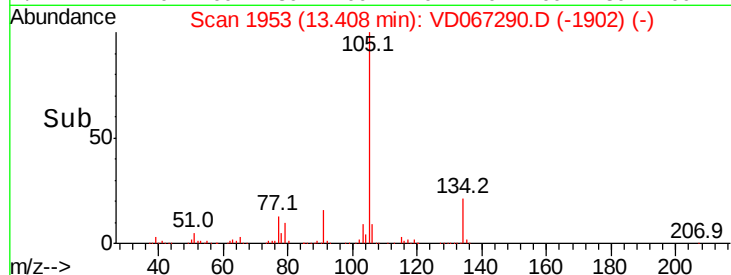
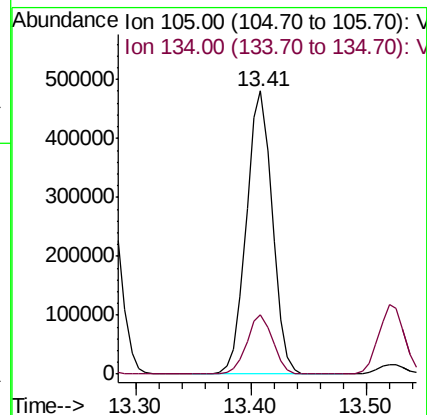
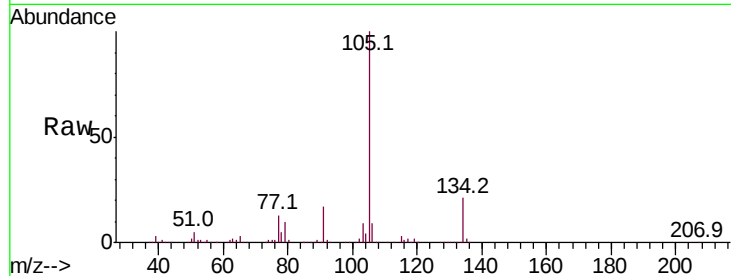
VSTDCCC050

Tot Ion:105 Resp: 749114

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5



#86

p-Isopropyltoluene

Concen: 52.099 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

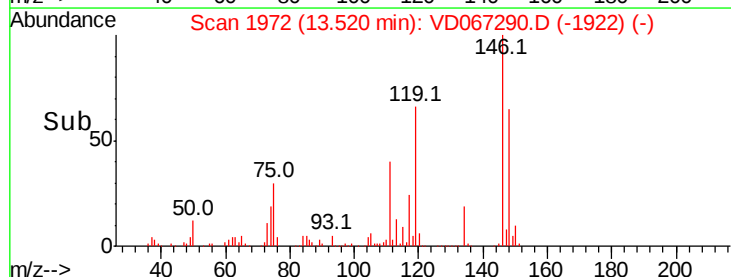
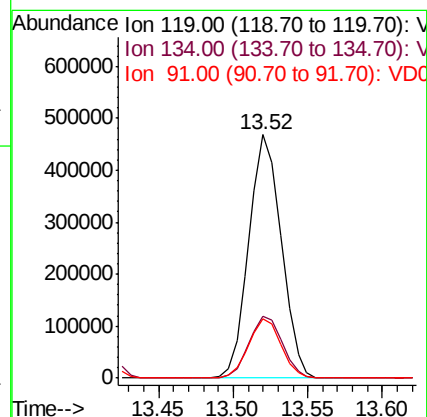
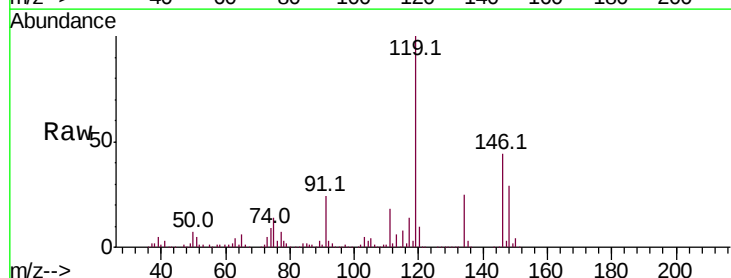
Tgt Ion:119 Resp: 706268

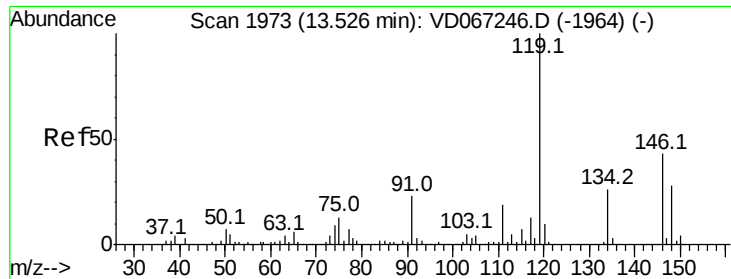
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.4 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 49.848 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

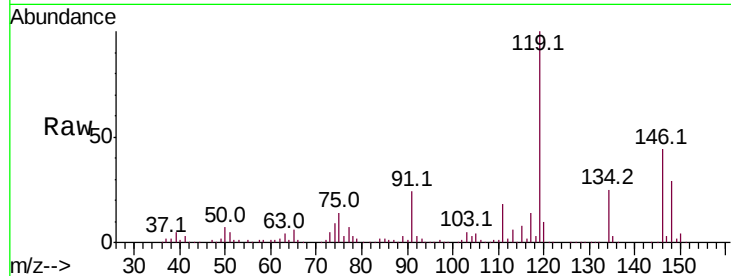
Tot Ion:146 Resp: 341085

Ion Ratio Lower Upper

146 100

111 40.4 21.1 63.3

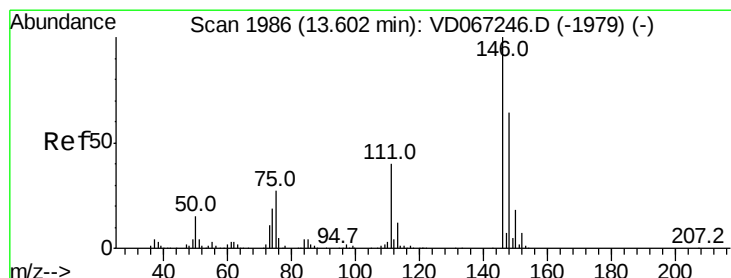
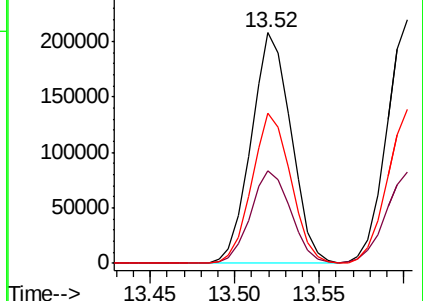
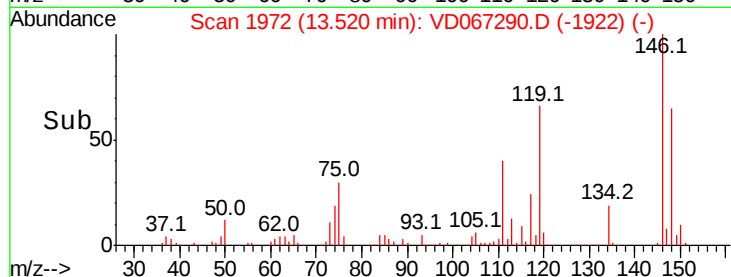
148 63.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.681 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

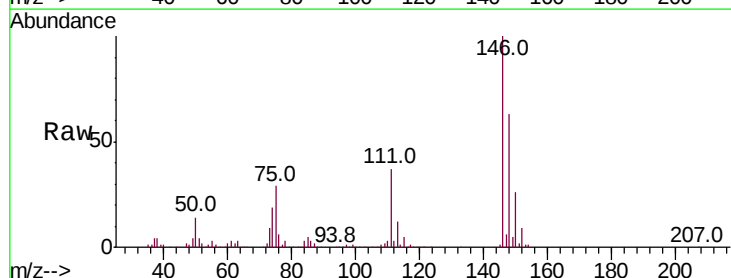
Tgt Ion:146 Resp: 343578

Ion Ratio Lower Upper

146 100

111 38.5 19.9 59.7

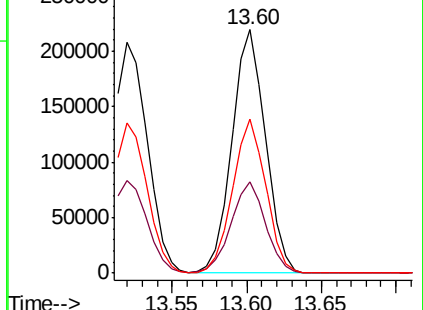
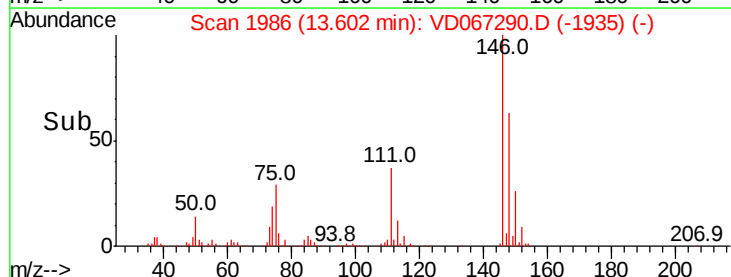
148 62.7 31.9 95.9

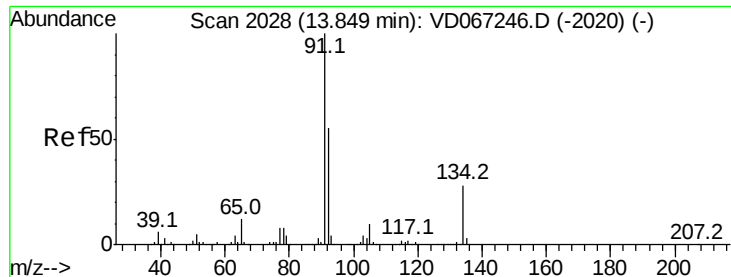


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

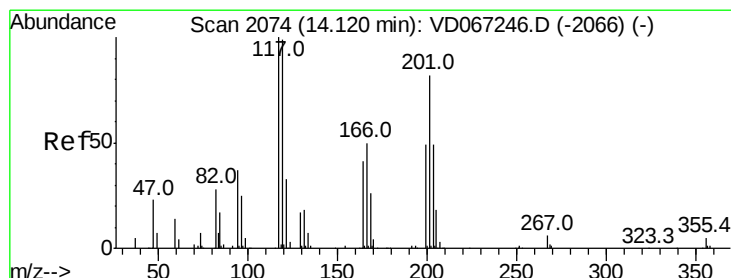
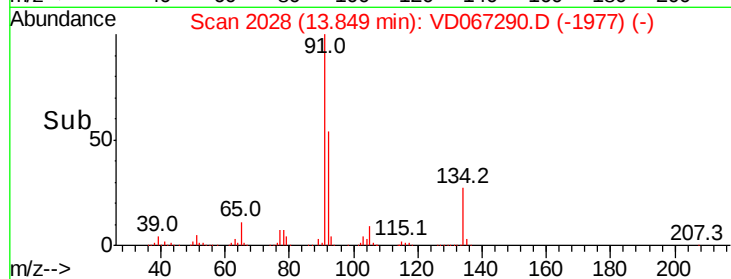
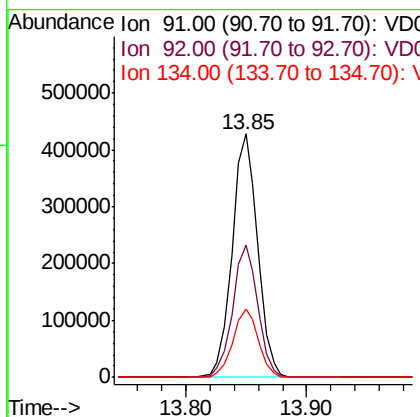
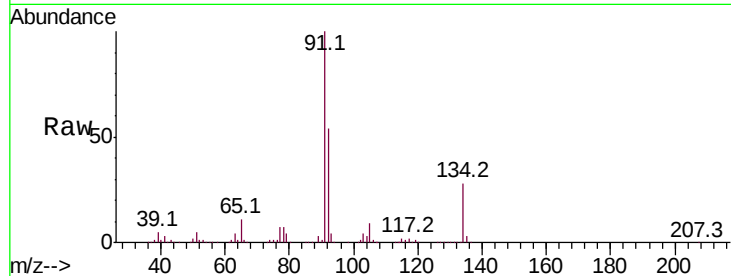




#89
n-Butylbenzene
Concen: 52.480 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

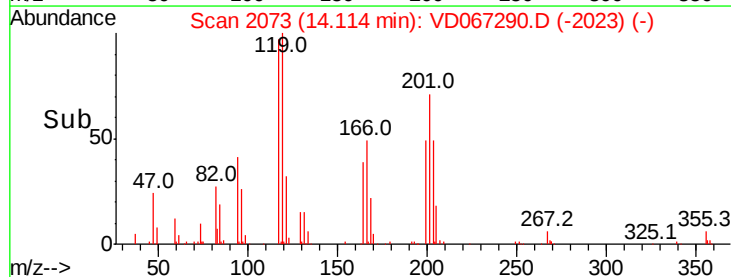
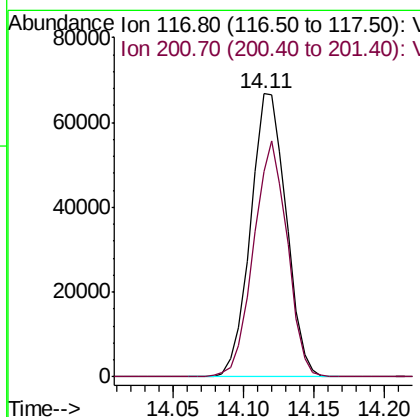
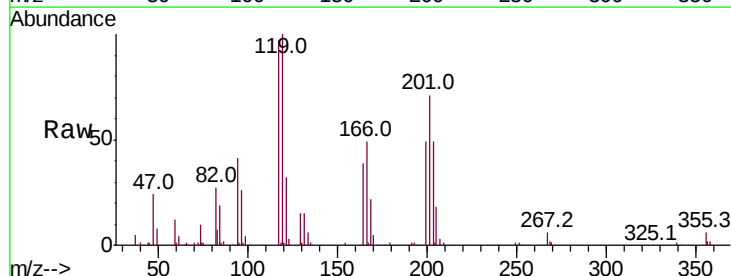
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

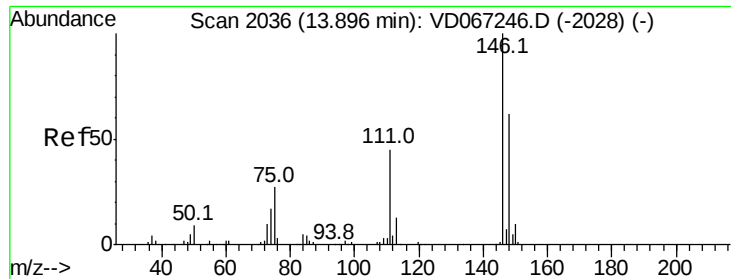
Tot Ion: 91 Resp: 625878
Ion Ratio Lower Upper
91 100
92 53.7 26.7 80.0
134 28.1 14.2 42.6



#90
Hexachloroethane
Concen: 50.082 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 117 Resp: 118474
Ion Ratio Lower Upper
117 100
201 78.9 40.8 122.2

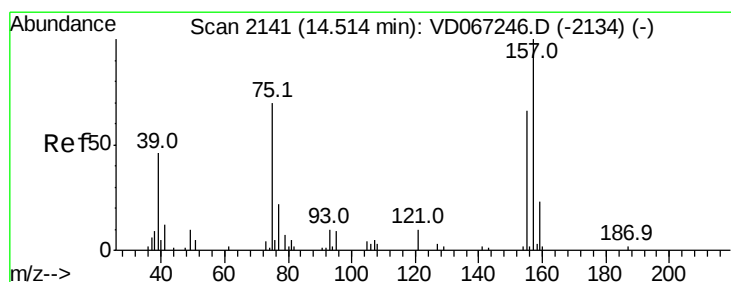
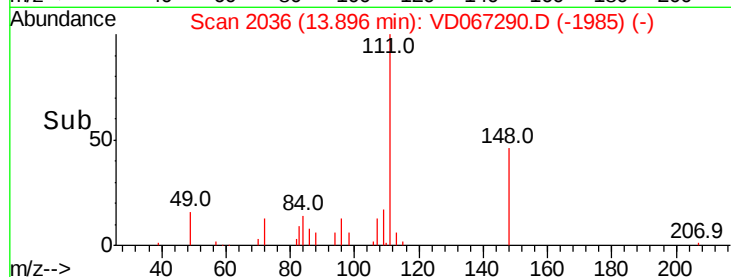
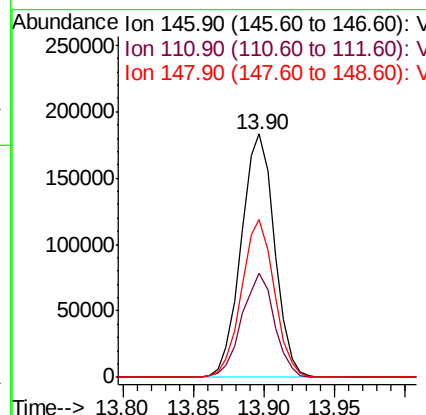
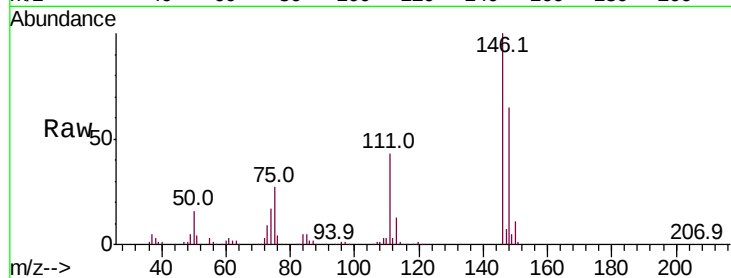




#91
 1,2-Dichlorobenzene
 Concen: 50.692 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

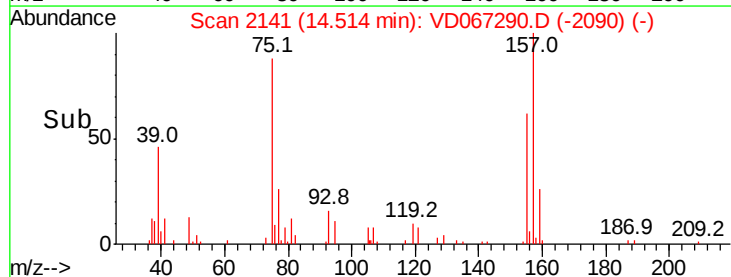
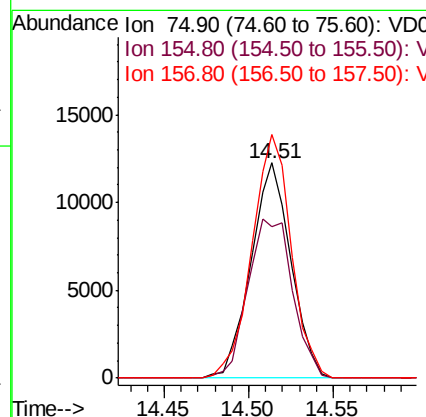
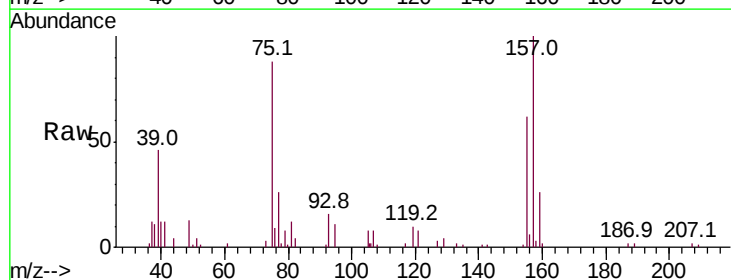
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

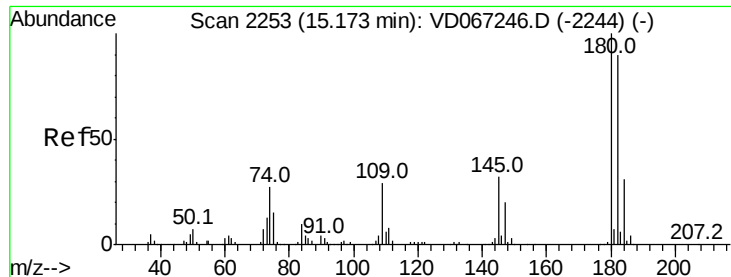
Tot Ion:146 Resp: 303013
 Ion Ratio Lower Upper
 146 100
 111 41.8 22.0 66.0
 148 63.8 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.821 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion: 75 Resp: 20172
 Ion Ratio Lower Upper
 75 100
 155 82.8 44.8 134.4
 157 111.1 62.5 187.4

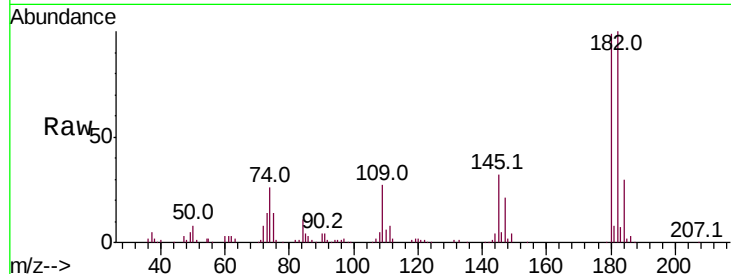




#93
 1,2,4-Trichlorobenzene
 Concen: 50.424 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.1	144.4
145	32.7	16.3	48.9

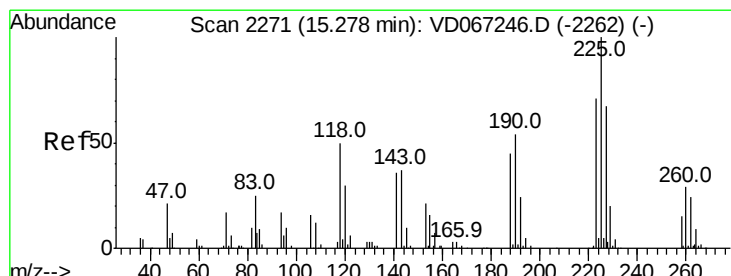
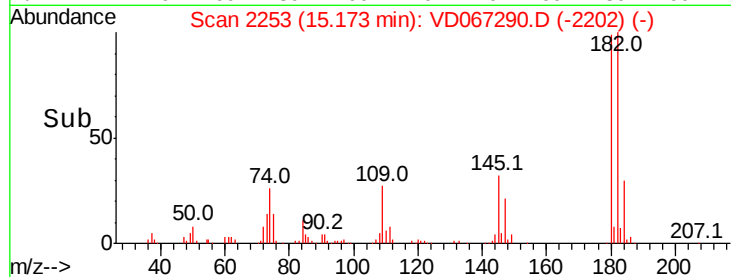
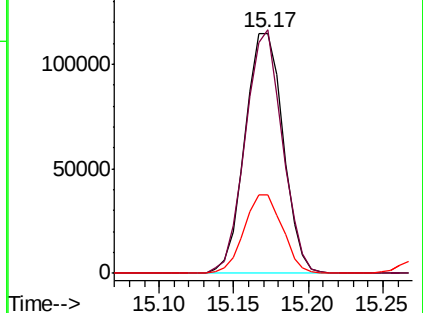


Abundance

Ion 179.80 (179.50 to 180.50): V

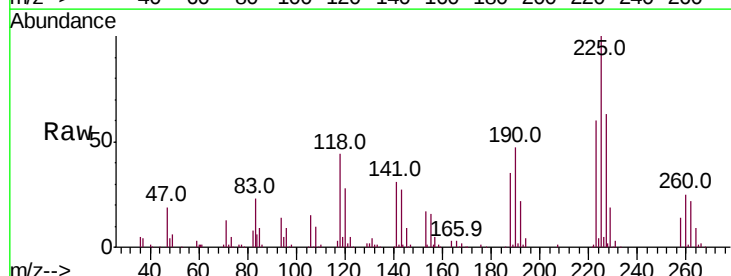
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 54.408 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.7
227	61.2	31.2	93.6

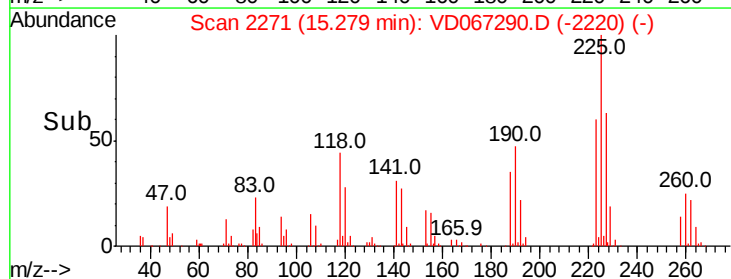
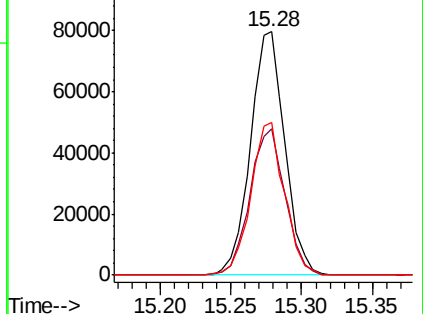


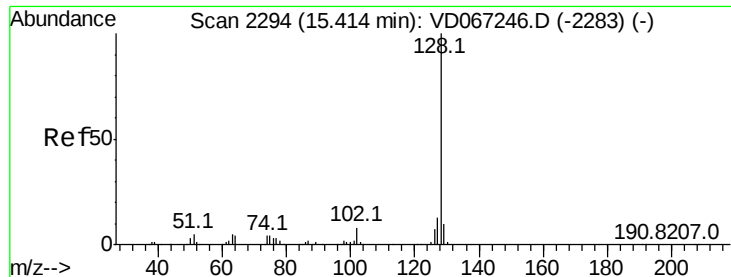
Abundance

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: 52.336 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

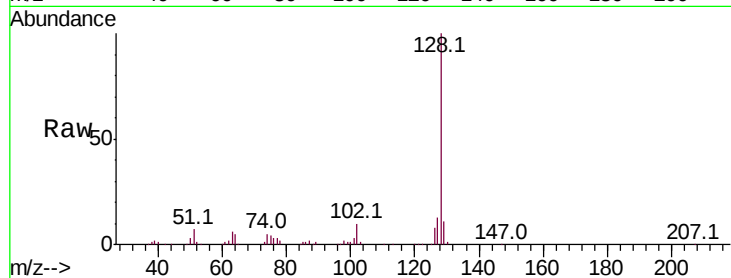
Tot Ion:128 Resp: 346300

Ion Ratio Lower Upper

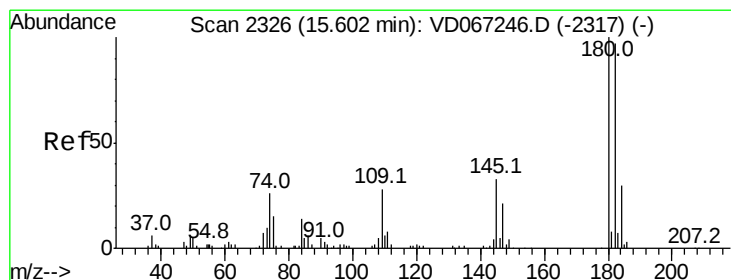
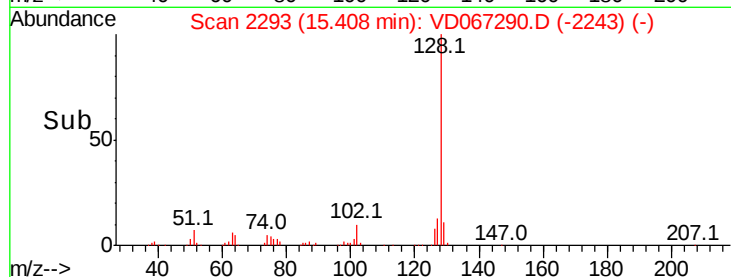
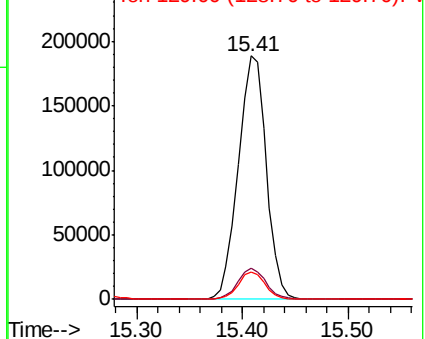
128 100

127 12.8 10.4 15.6

129 10.9 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 52.153 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

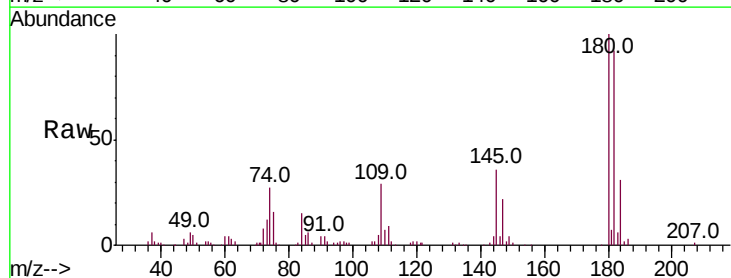
Tgt Ion:180 Resp: 181584

Ion Ratio Lower Upper

180 100

182 94.7 48.1 144.3

145 34.1 17.3 51.9



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

