

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067051.D
 Acq On : 02 Oct 2020 23:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 03 05:41:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	440330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	700152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	646987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	227340	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
35) Dibromofluoromethane	7.91	113	249716	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
50) Toluene-d8	10.34	98	907857	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
62) 4-Bromofluorobenzene	12.63	95	313602	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177245	50.001	ug/l	97
3) Chloromethane	2.20	50	157106	44.802	ug/l	96
4) Vinyl Chloride	2.34	62	151849	43.186	ug/l	97
5) Bromomethane	2.77	94	115072	50.846	ug/l	96
6) Chloroethane	2.92	64	97201	45.393	ug/l	93
7) Trichlorofluoromethane	3.27	101	343905	44.023	ug/l	95
8) Diethyl Ether	3.71	74	101376	52.331	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	204348	46.280	ug/l	99
10) Methyl Iodide	4.30	142	215639	50.261	ug/l	99
11) Tert butyl alcohol	5.22	59	61373	246.166	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	191547	46.146	ug/l	98
13) Acrolein	3.92	56	62937	221.615	ug/l	99
14) Allyl chloride	4.71	41	264923	49.129	ug/l	98
15) Acrylonitrile	5.42	53	186804	262.003	ug/l	98
16) Acetone	4.16	43	157814	243.755	ug/l	99
17) Carbon Disulfide	4.41	76	591083	46.400	ug/l	99
18) Methyl Acetate	4.72	43	91621	56.306	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	405824	53.557	ug/l	100
20) Methylene Chloride	4.97	84	238703	52.289	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	230675	48.832	ug/l	97
22) Diisopropyl ether	6.36	45	509776	51.783	ug/l	98
23) Vinyl Acetate	6.31	43	1501804	269.212	ug/l	98
24) 1,1-Dichloroethane	6.27	63	372157	48.984	ug/l	100
25) 2-Butanone	7.21	43	234383	255.346	ug/l	94
26) 2,2-Dichloropropane	7.21	77	300883	45.983	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	256553	50.852	ug/l	97
28) Bromochloromethane	7.54	49	150882	51.425	ug/l	98
29) Tetrahydrofuran	7.56	42	141407	267.925	ug/l	97
30) Chloroform	7.71	83	409385	49.673	ug/l	97
31) Cyclohexane	7.98	56	276126	43.352	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	367430	48.105	ug/l	97
36) 1,1-Dichloropropene	8.11	75	300035	45.974	ug/l	98
37) Ethyl Acetate	7.29	43	112289	49.667	ug/l	96
38) Carbon Tetrachloride	8.10	117	328743	46.556	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	318230	46.122	ug/l	97
40) Benzene	8.35	78	875340	48.290	ug/l	95
41) Methacrylonitrile	7.52	41	66056	54.082	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	245510	48.470	ug/l	98
43) Isopropyl Acetate	8.45	43	214151	51.417	ug/l	99
44) Trichloroethene	9.11	130	259682	47.975	ug/l	98
45) 1,2-Dichloropropane	9.38	63	216357	50.799	ug/l	99
46) Dibromomethane	9.47	93	125099	51.104	ug/l	99
47) Bromodichloromethane	9.66	83	321755	50.564	ug/l	98
48) Methyl methacrylate	9.46	41	102663	48.113	ug/l #	80
49) 1,4-Dioxane	9.46	88	27134	1062.054	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	560312	270.086	ug/l	100
52) Toluene	10.40	92	591400	50.647	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	282457	49.667	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	342705	49.349	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	178757	52.524	ug/l	98
56) Ethyl methacrylate	10.66	69	197473	56.200	ug/l	97
57) 1,3-Dichloropropane	10.94	76	285748	51.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	553009	282.767	ug/l	99
59) 2-Hexanone	10.98	43	374073	270.157	ug/l	96
60) Dibromochloromethane	11.14	129	229500	50.594	ug/l	95
61) 1,2-Dibromoethane	11.24	107	172791	52.846	ug/l	99
64) Tetrachloroethene	10.87	164	219021	46.565	ug/l	95
65) Chlorobenzene	11.67	112	633312	49.217	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	243529	49.754	ug/l	100
67) Ethyl Benzene	11.74	91	1100137	49.898	ug/l	98
68) m/p-Xylenes	11.86	106	847020	98.579	ug/l	99
69) o-Xylene	12.18	106	393403	51.200	ug/l	97
70) Styrene	12.20	104	684891	51.909	ug/l	99
71) Bromoform	12.36	173	131733	51.848	ug/l #	96
73) Isopropylbenzene	12.48	105	1060092	50.118	ug/l	100
74) N-amyl acetate	12.29	43	198077	52.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	179194	50.282	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	231380	85.275	ug/l #	100
77) Bromobenzene	12.76	156	257076	50.334	ug/l	99
78) n-propylbenzene	12.82	91	1233040	49.326	ug/l	99
79) 2-Chlorotoluene	12.91	91	718417	50.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	906692	50.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	54024	49.640	ug/l	98
82) 4-Chlorotoluene	13.01	91	745451	48.988	ug/l	100
83) tert-Butylbenzene	13.23	119	750629	49.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	907840	50.904	ug/l	99
85) sec-Butylbenzene	13.40	105	1039211	49.036	ug/l	100
86) p-Isopropyltoluene	13.52	119	978147	49.784	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	490943	49.350	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	483930	48.650	ug/l	98
89) n-Butylbenzene	13.85	91	872664	48.599	ug/l	99
90) Hexachloroethane	14.11	117	169710	49.310	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	435578	50.134	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28770	50.081	ug/l	95

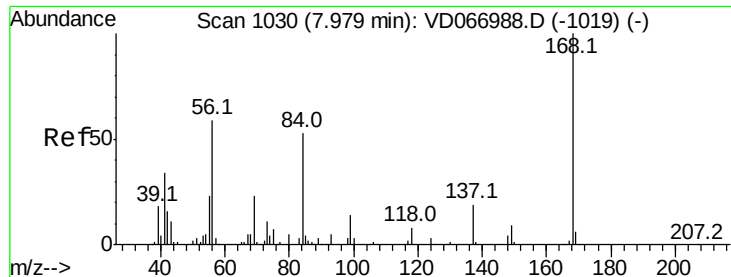
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	287383	51.138	ug/l	98
94) Hexachlorobutadiene	15.27	225	164533	47.672	ug/l	99
95) Naphthalene	15.41	128	528206	56.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	256916	52.663	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

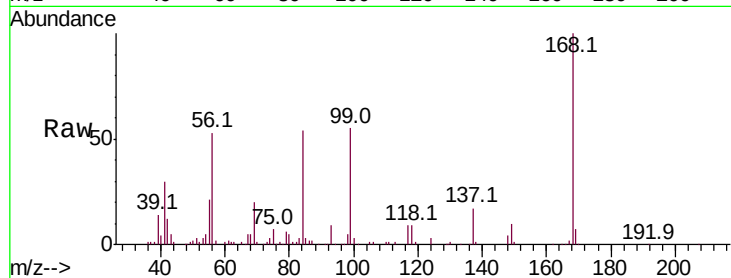
VSTDCCC050

Tot Ion:168 Resp: 440330

Ion Ratio Lower Upper

168 100

99 54.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

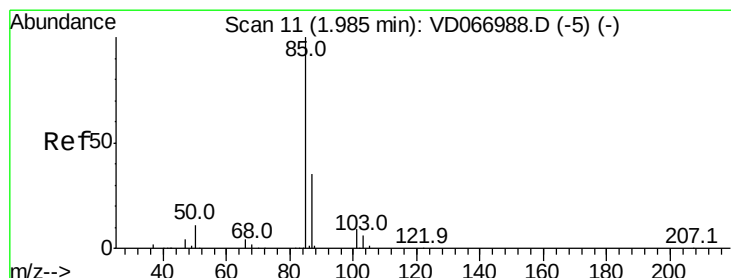
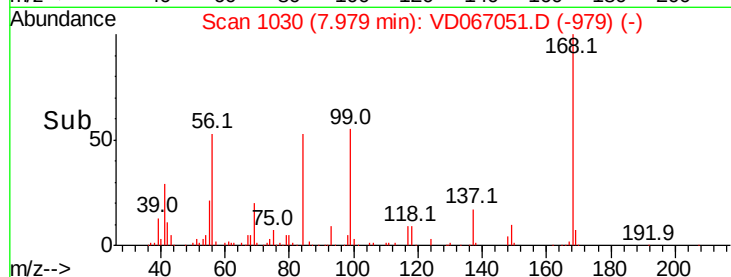
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.001 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067051.D

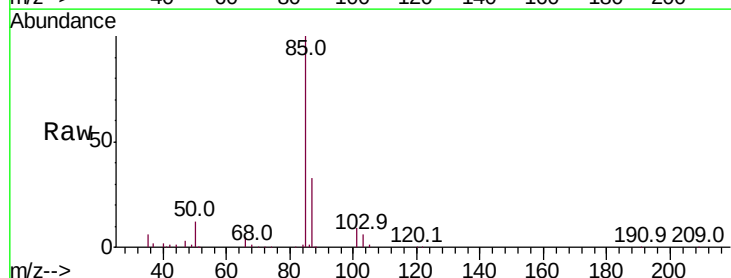
Acq: 02 Oct 2020 23:16

Tgt Ion: 85 Resp: 177245

Ion Ratio Lower Upper

85 100

87 32.7 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

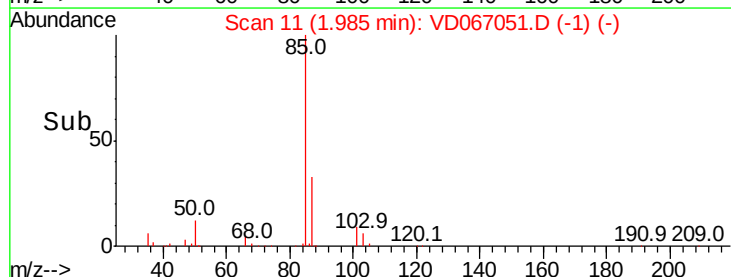
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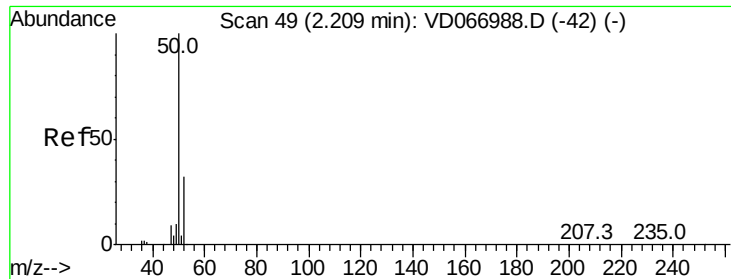
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 44.802 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

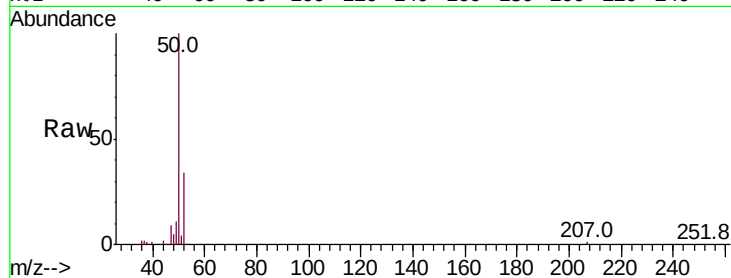
VSTDCCC050

Tot Ion: 50 Resp: 157106

Ion Ratio Lower Upper

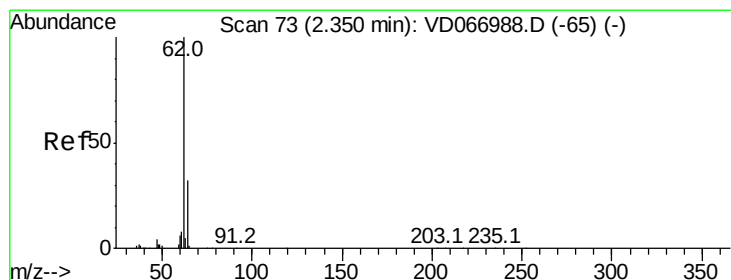
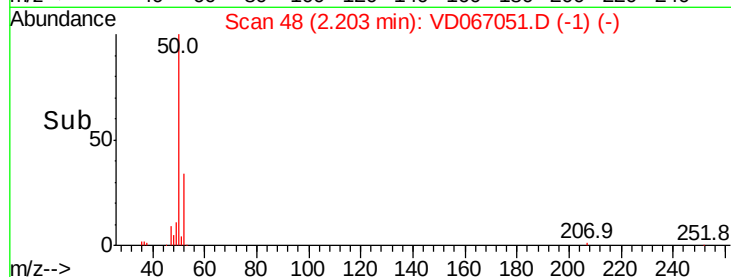
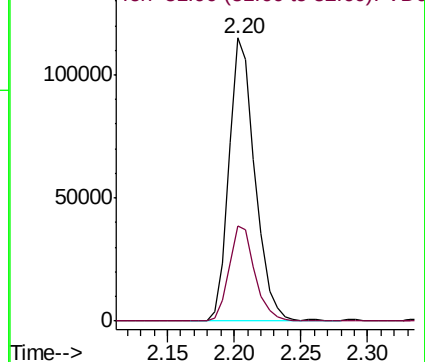
50 100

52 33.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.186 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067051.D

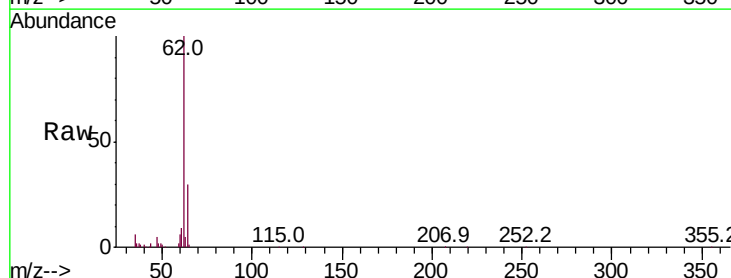
Acq: 02 Oct 2020 23:16

Tgt Ion: 62 Resp: 151849

Ion Ratio Lower Upper

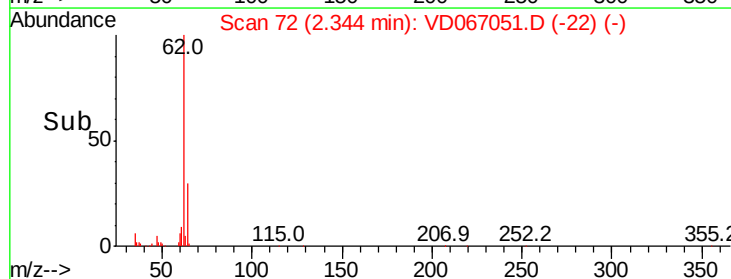
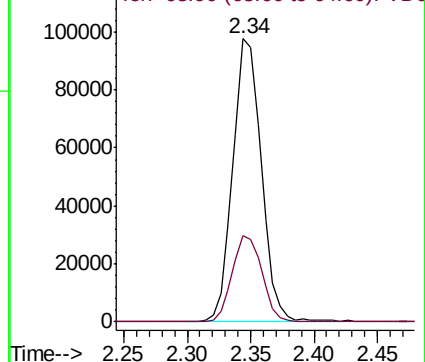
62 100

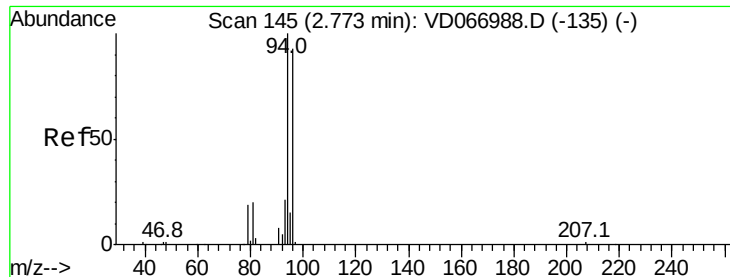
64 30.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.846 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

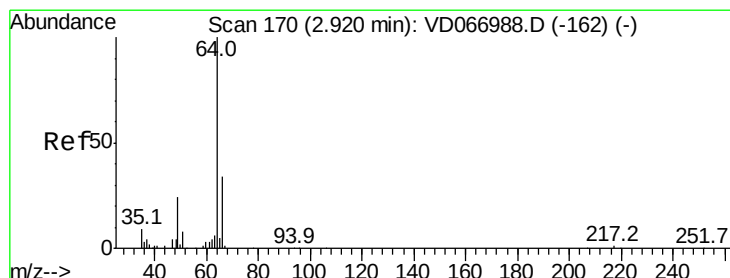
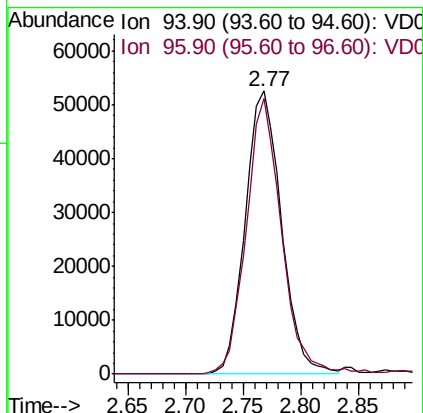
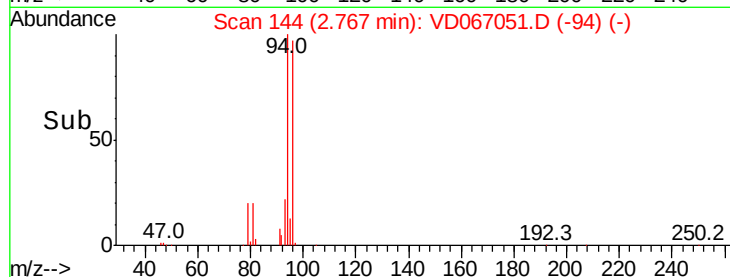
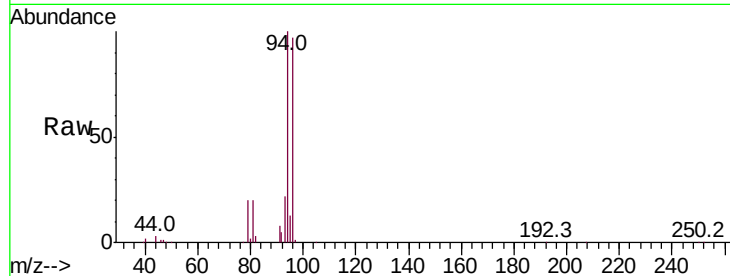
VSTDCCC050

Tot Ion: 94 Resp: 115072

Ion Ratio Lower Upper

94 100

96 97.2 74.6 112.0



#6

Chloroethane

Concen: 45.393 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067051.D

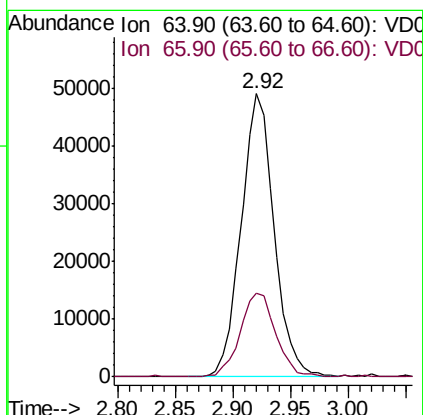
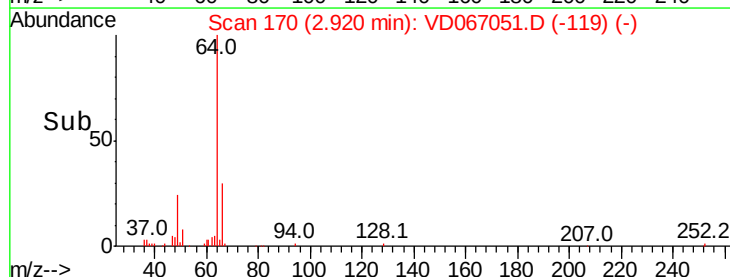
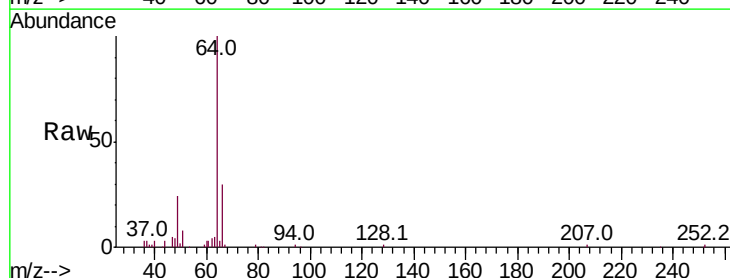
Acq: 02 Oct 2020 23:16

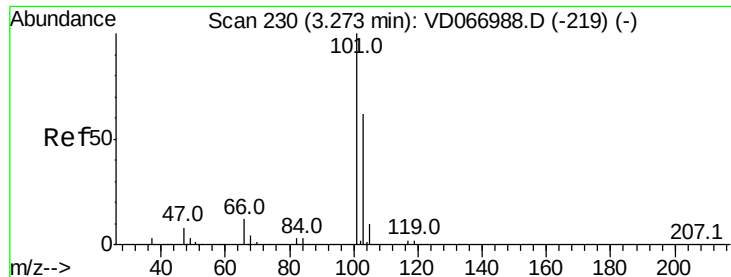
Tgt Ion: 64 Resp: 97201

Ion Ratio Lower Upper

64 100

66 29.6 27.0 40.6



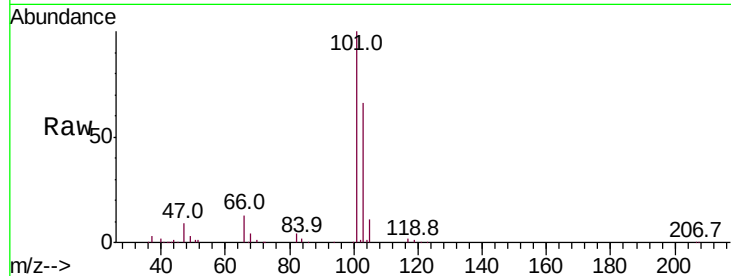


#7

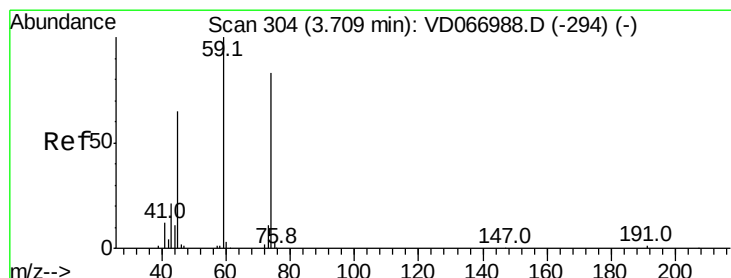
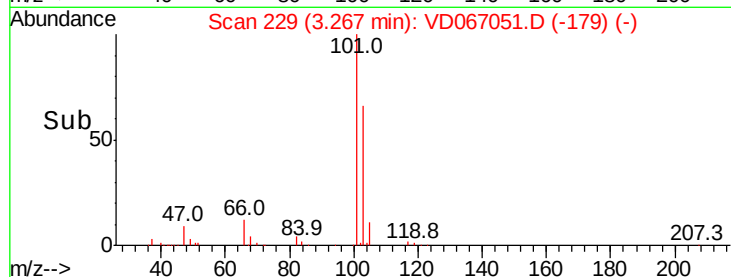
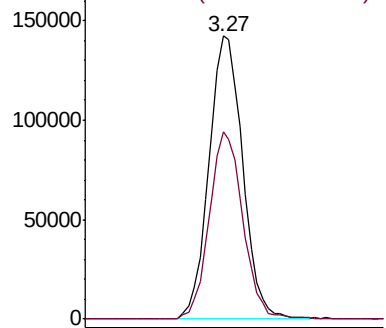
Trichlorofluoromethane
Concen: 44.023 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 343905
Ion Ratio Lower Upper
101 100
103 66.4 49.8 74.8



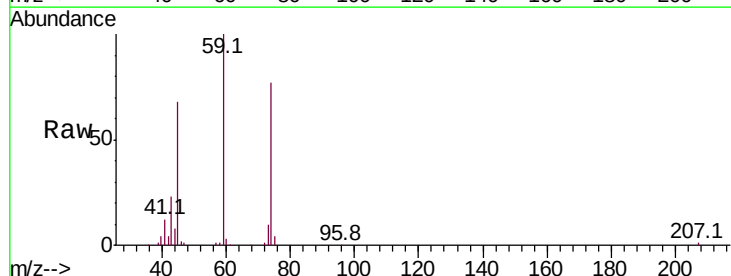
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



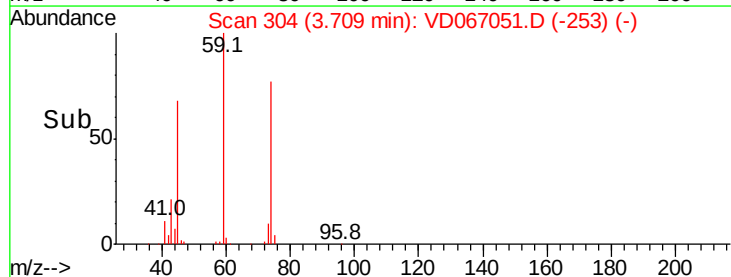
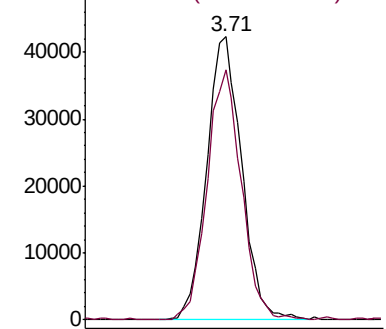
#8

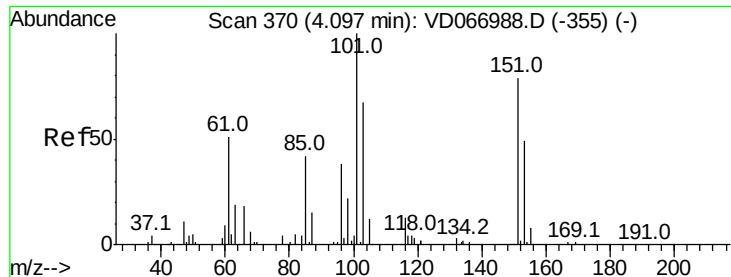
Diethyl Ether
Concen: 52.331 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 74 Resp: 101376
Ion Ratio Lower Upper
74 100
45 86.5 43.1 129.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.280 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

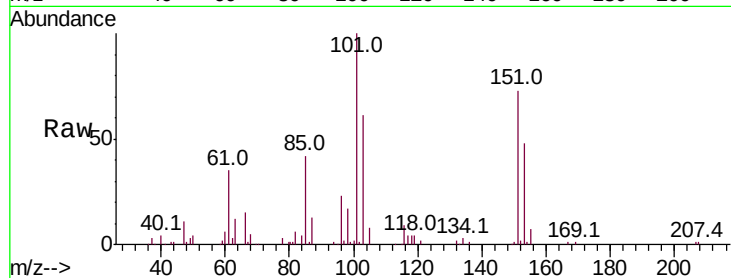
Tot Ion:101 Resp: 204348

Ion Ratio Lower Upper

101 100

85 41.9 33.8 50.8

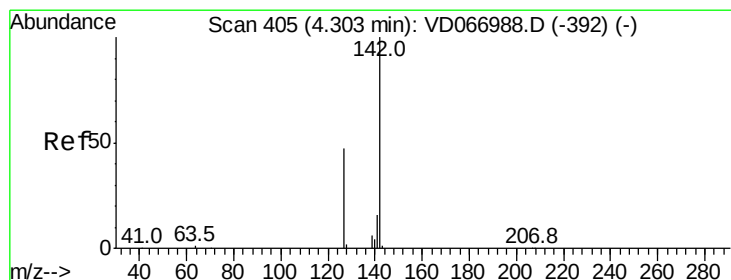
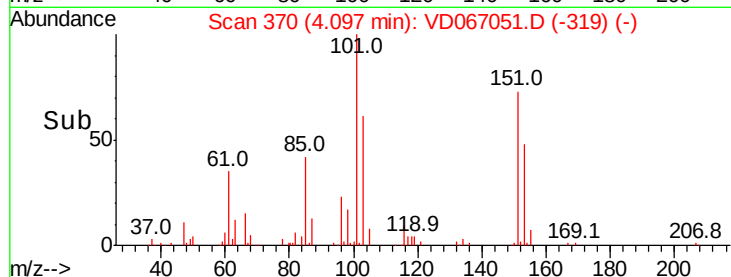
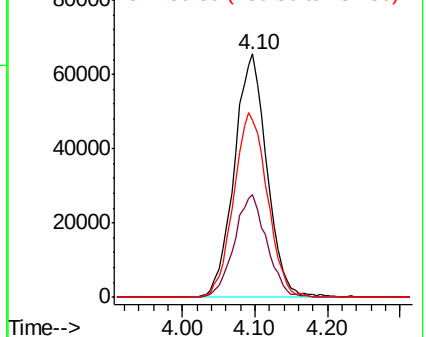
151 78.1 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.261 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

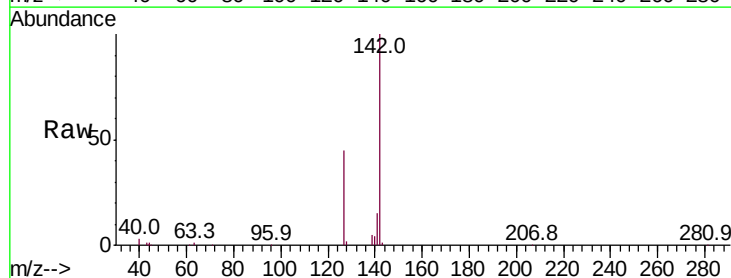
Tgt Ion:142 Resp: 215639

Ion Ratio Lower Upper

142 100

127 44.7 36.3 54.5

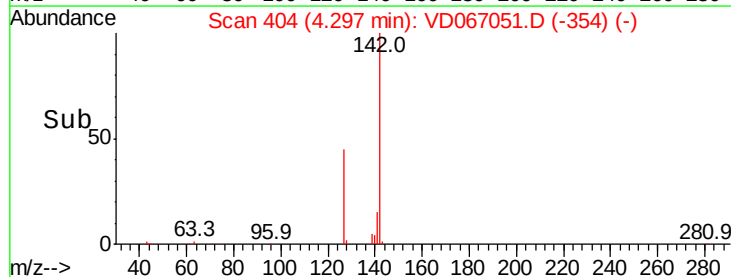
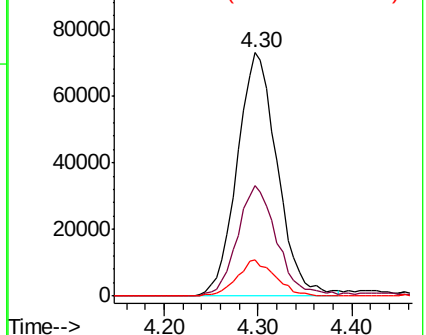
141 14.2 12.0 18.0

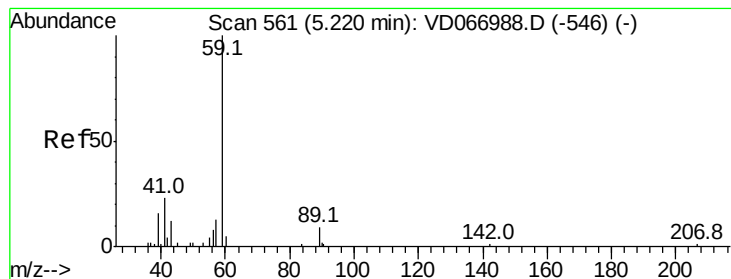


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



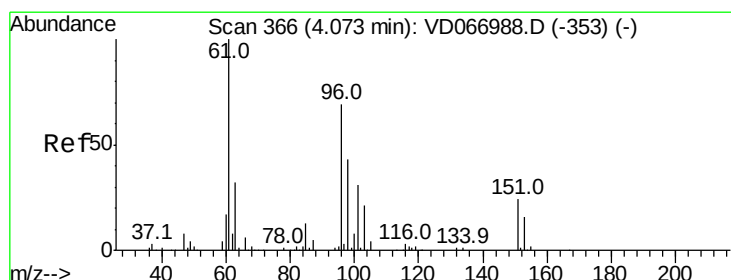
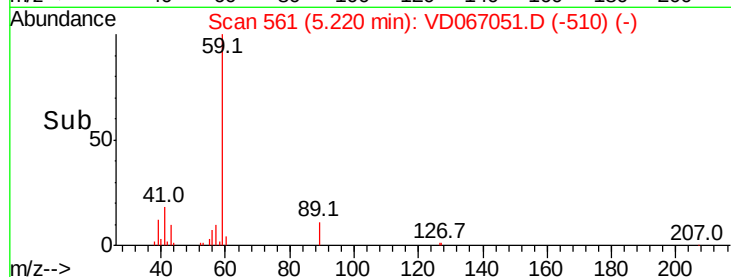
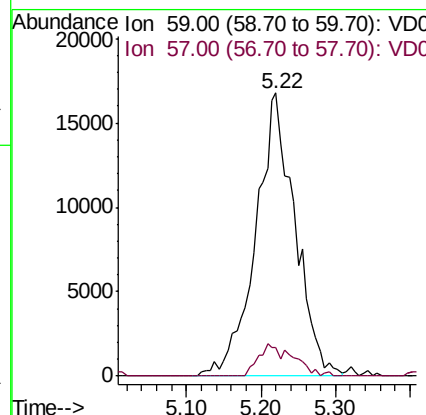
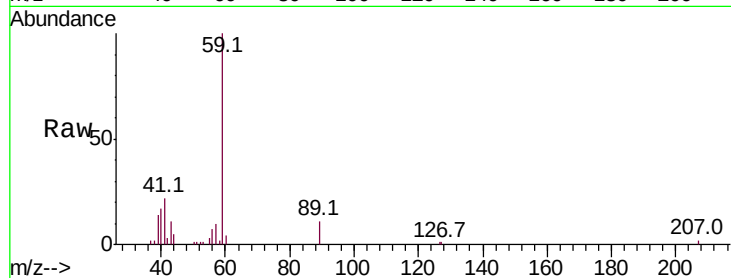


#11

Tert butyl alcohol
 Concen: 246.166 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

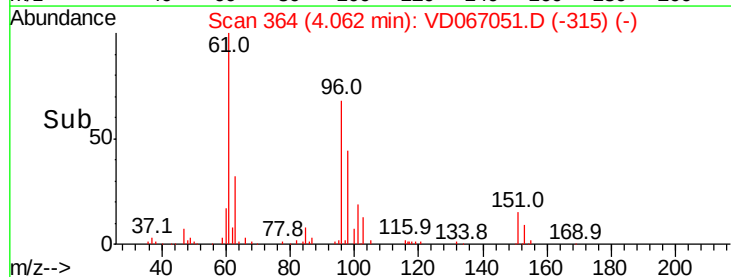
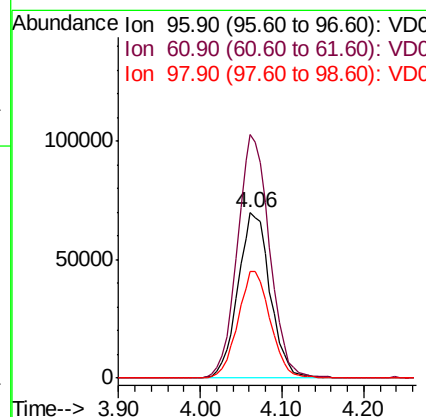
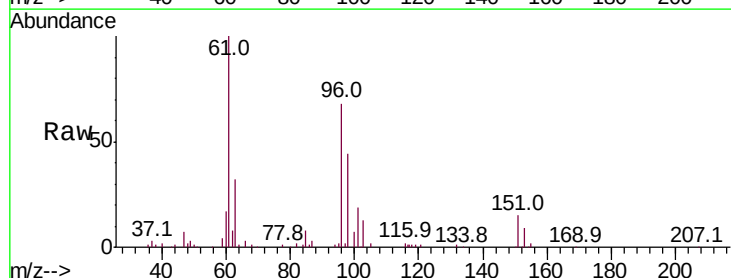
Tot Ion: 59 Resp: 61373
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.2 12.4#

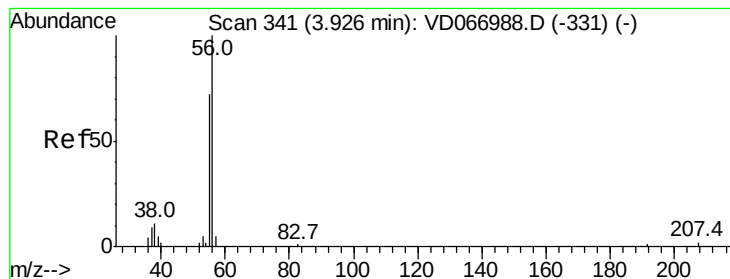


#12

1,1-Dichloroethene
 Concen: 46.146 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion: 96 Resp: 191547
 Ion Ratio Lower Upper
 96 100
 61 147.3 116.4 174.6
 98 64.2 49.9 74.9





#13

Acrolein

Concen: 221.615 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

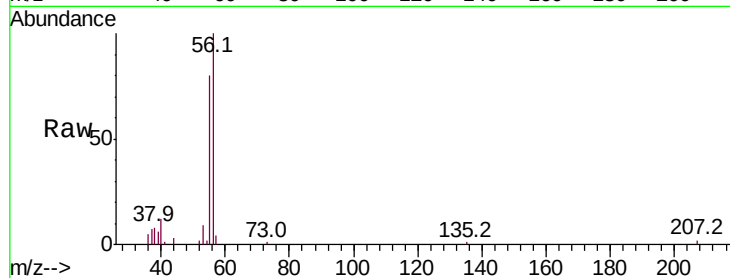
VSTDCCC050

Tot Ion: 56 Resp: 62937

Ion Ratio Lower Upper

56 100

55 71.8 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

25000

20000

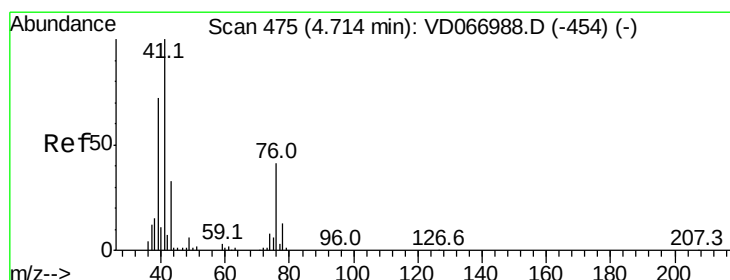
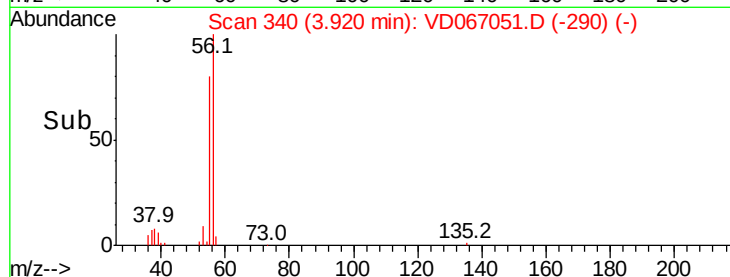
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 49.129 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

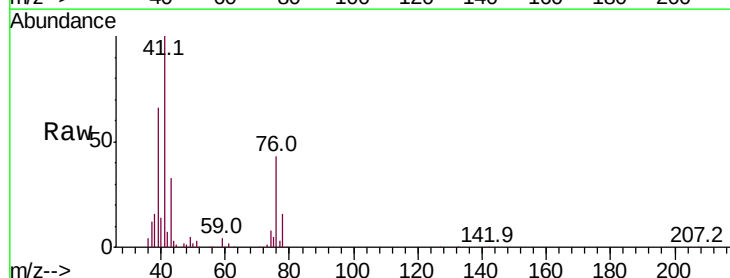
Tgt Ion: 41 Resp: 264923

Ion Ratio Lower Upper

41 100

39 67.5 56.2 84.2

76 42.6 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

100000

80000

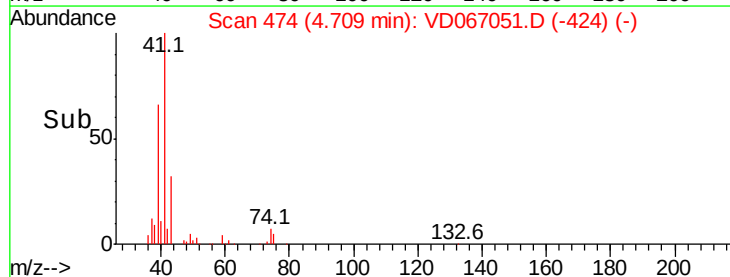
60000

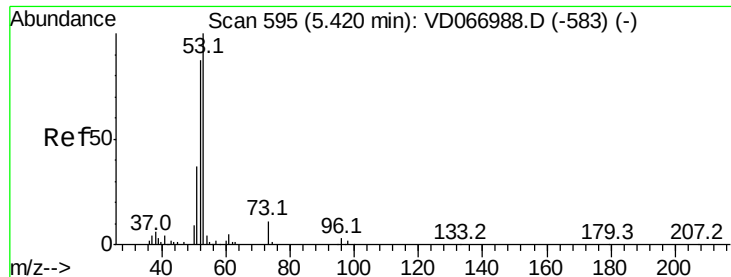
40000

20000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 262.003 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

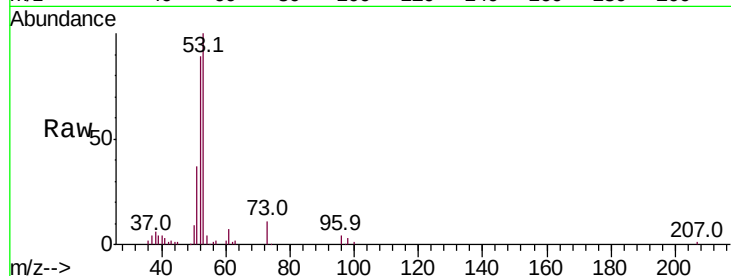
Tot Ion: 53 Resp: 186804

Ion Ratio Lower Upper

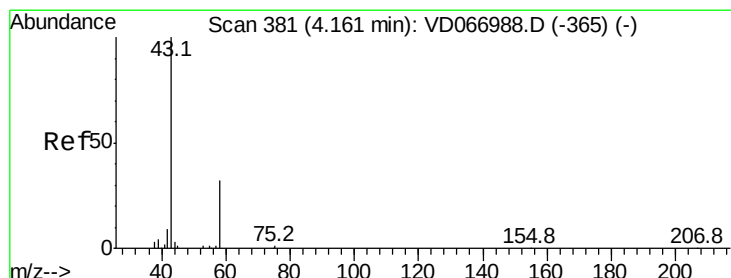
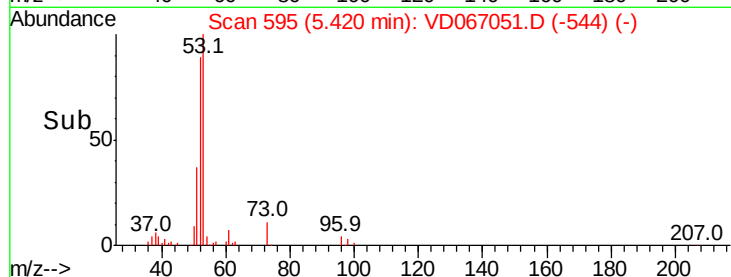
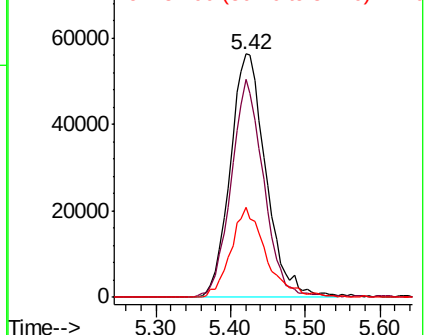
53 100

52 82.2 67.3 100.9

51 36.7 30.2 45.2



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



#16

Acetone

Concen: 243.755 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067051.D

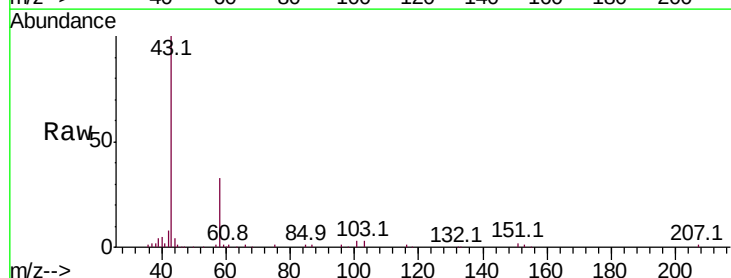
Acq: 02 Oct 2020 23:16

Tgt Ion: 43 Resp: 157814

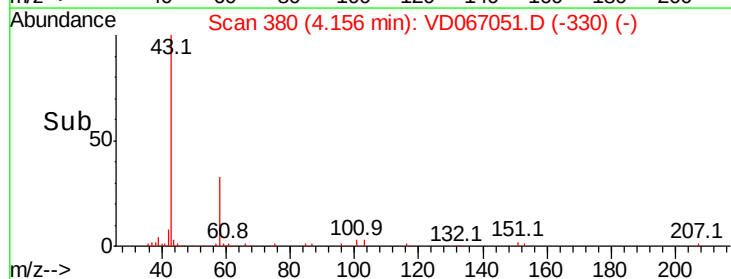
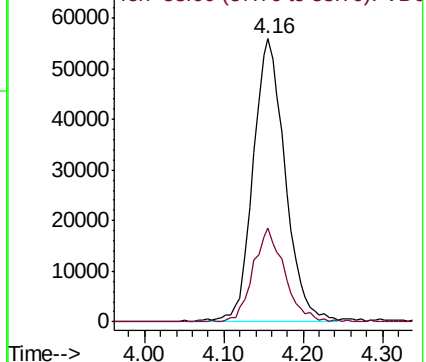
Ion Ratio Lower Upper

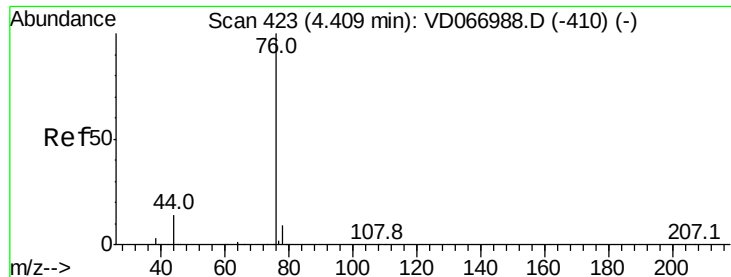
43 100

58 32.8 25.9 38.9



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

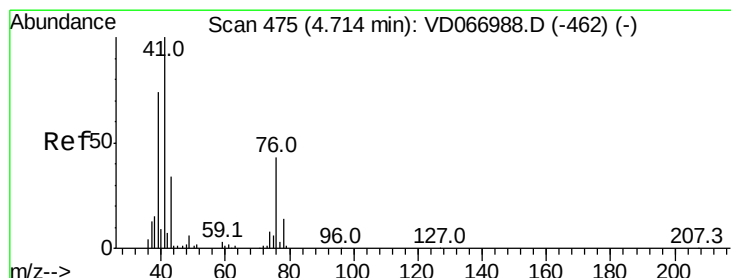
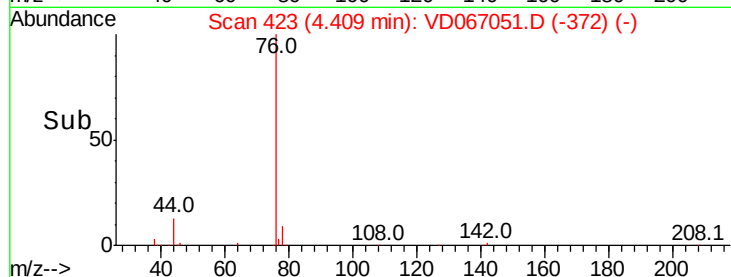
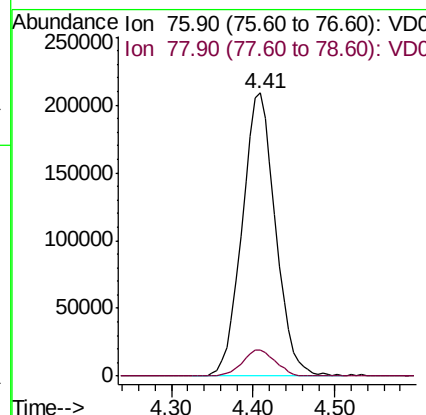
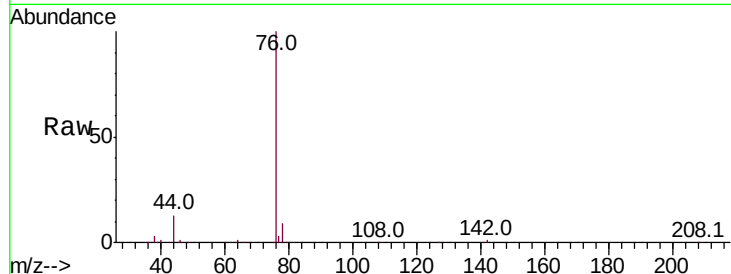




#17
Carbon Disulfide
Concen: 46.400 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

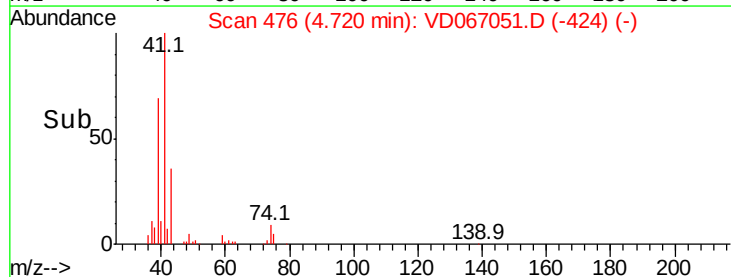
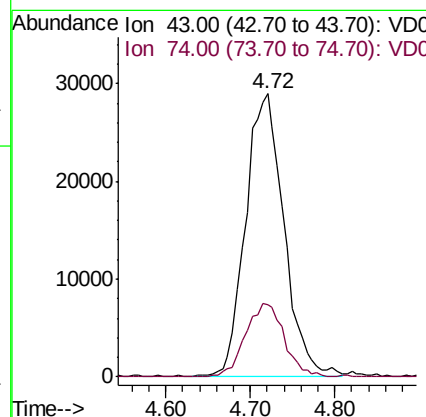
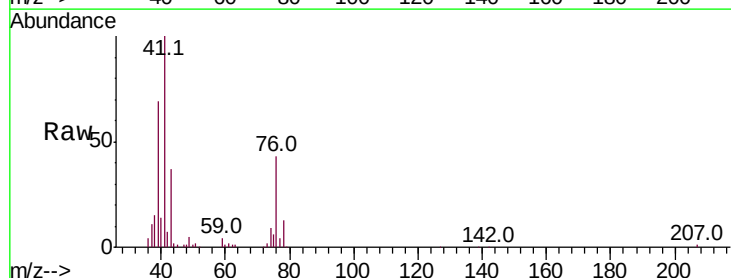
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

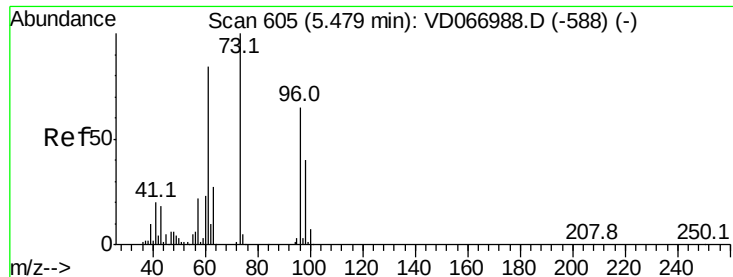
Tot Ion: 76 Resp: 591083
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 56.306 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 43 Resp: 91621
Ion Ratio Lower Upper
43 100
74 26.1 21.5 32.3

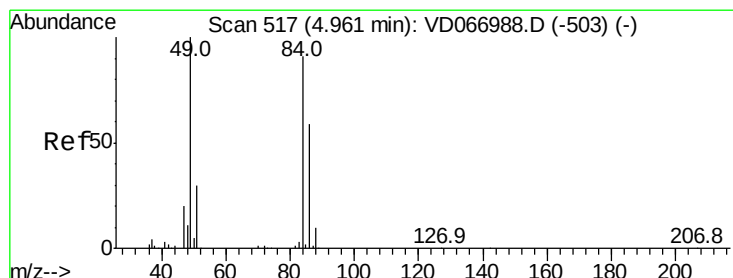
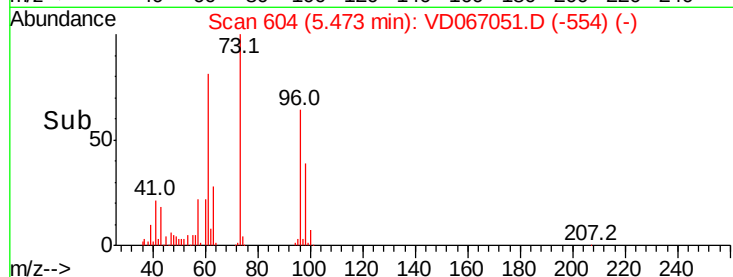
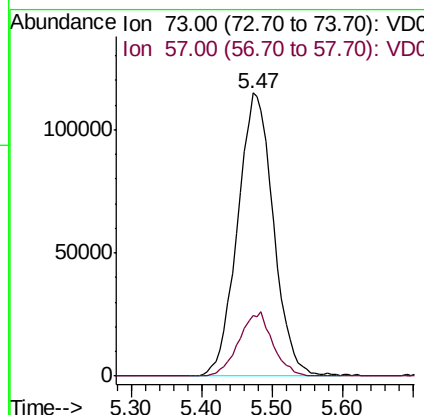
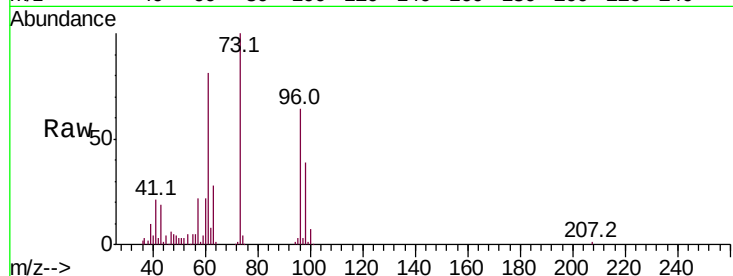




#19
Methyl tert-butyl Ether
Concen: 53.557 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

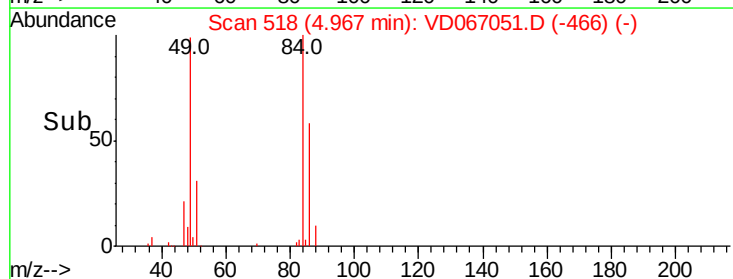
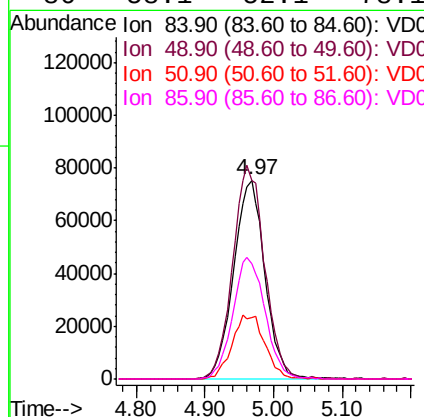
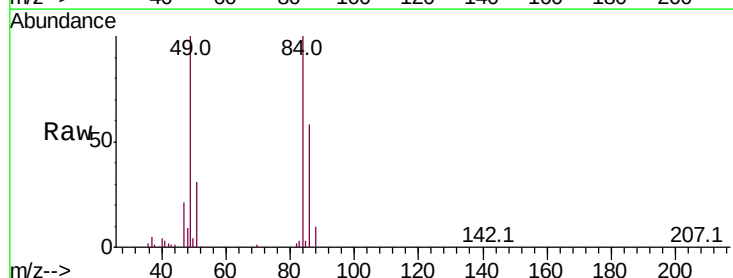
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

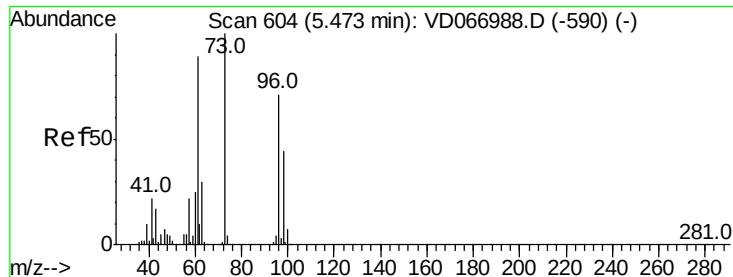
Tot Ion: 73 Resp: 405824
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0



#20
Methylene Chloride
Concen: 52.289 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 84 Resp: 238703
Ion Ratio Lower Upper
84 100
49 100.0 88.2 132.2
51 30.7 26.6 39.8
86 58.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.832 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

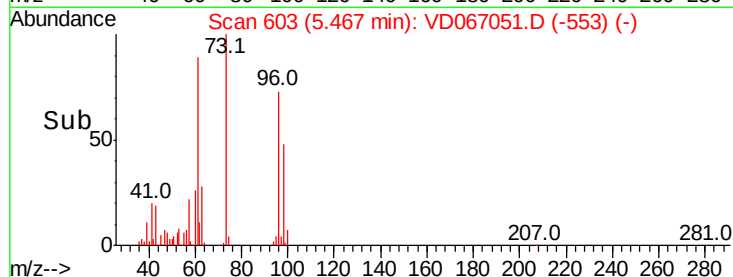
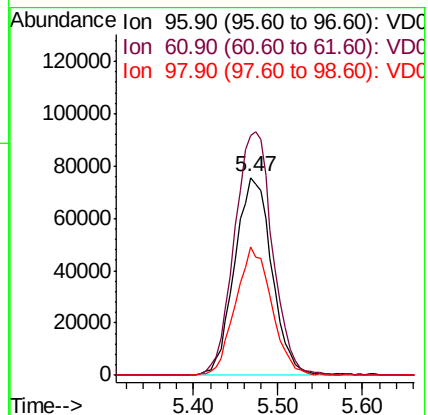
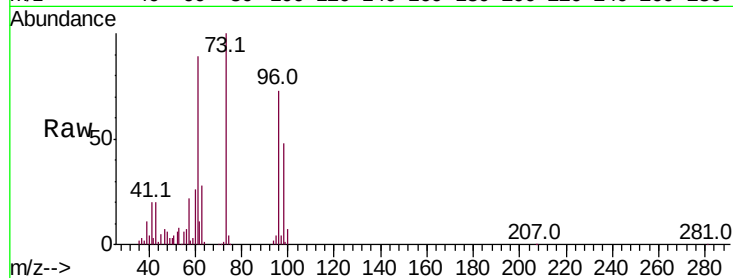
Tot Ion: 96 Resp: 230675

Ion Ratio Lower Upper

96 100

61 121.1 99.6 149.4

98 65.0 49.4 74.2



#22

Diisopropyl ether

Concen: 51.783 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion: 45 Resp: 509776

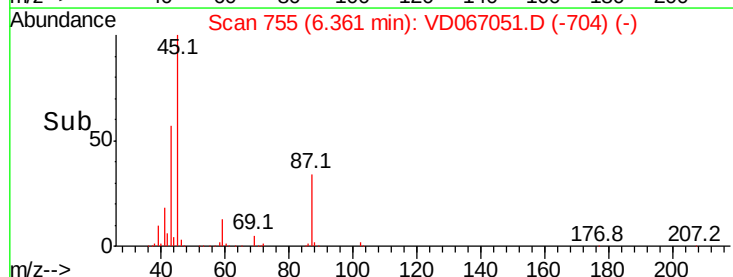
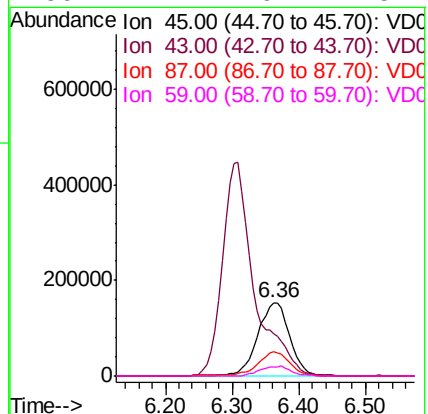
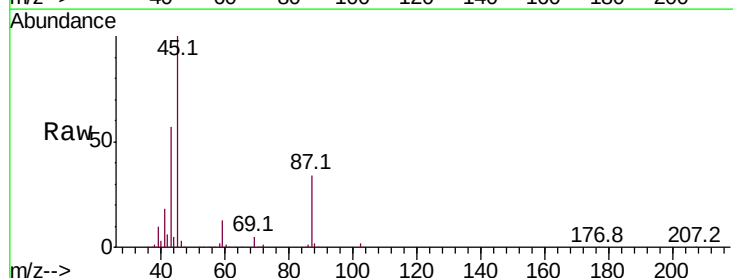
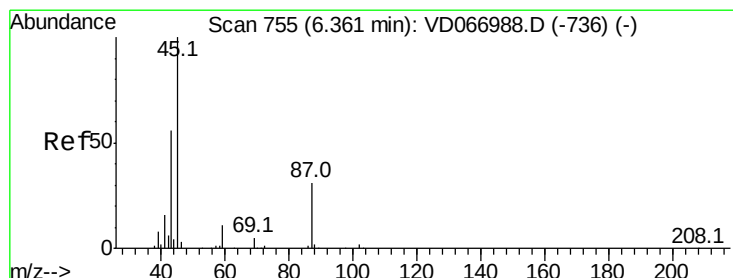
Ion Ratio Lower Upper

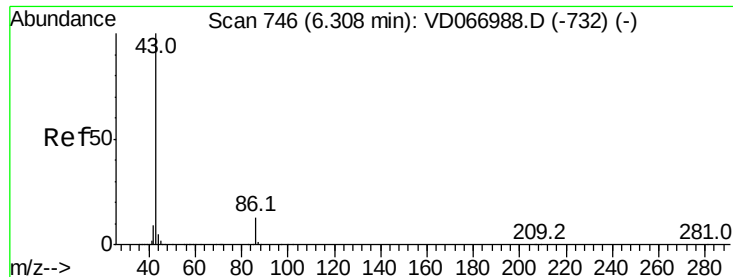
45 100

43 57.1 45.2 67.8

87 33.5 25.6 38.4

59 12.7 9.1 13.7





#23

Vinyl Acetate

Concen: 269.212 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

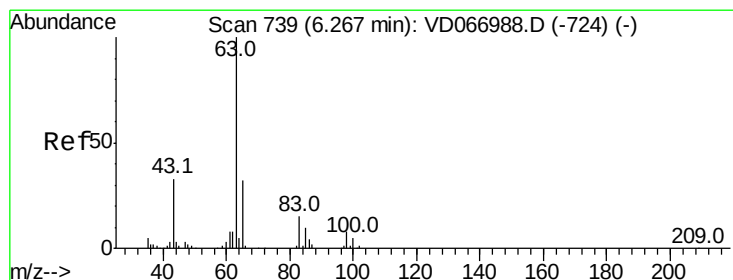
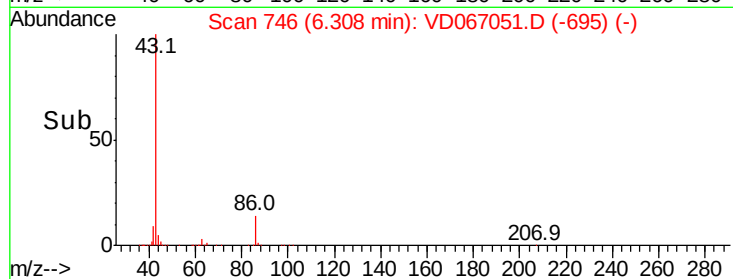
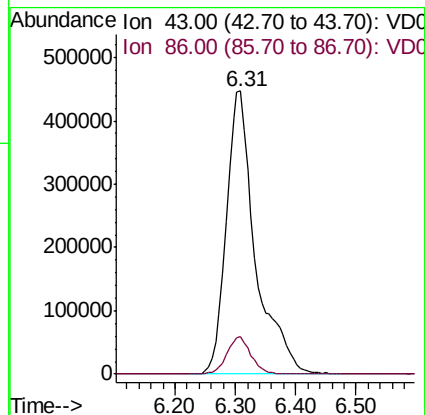
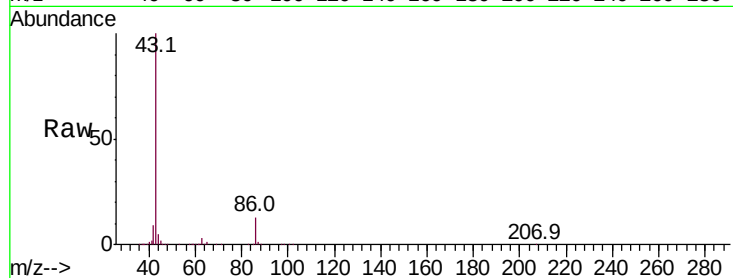
VSTDCCC050

Tot Ion: 43 Resp: 1501804

Ion Ratio Lower Upper

43 100

86 13.4 10.2 15.2



#24

1,1-Dichloroethane

Concen: 48.984 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

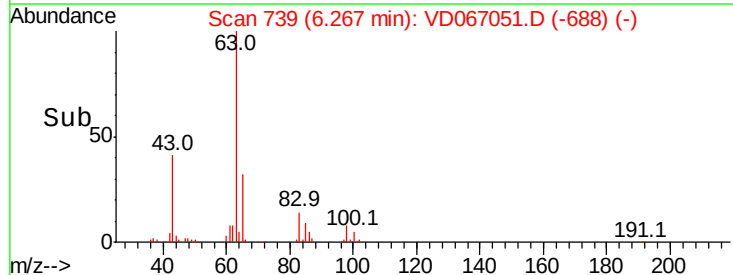
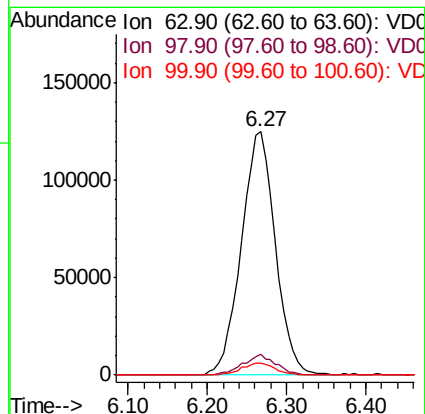
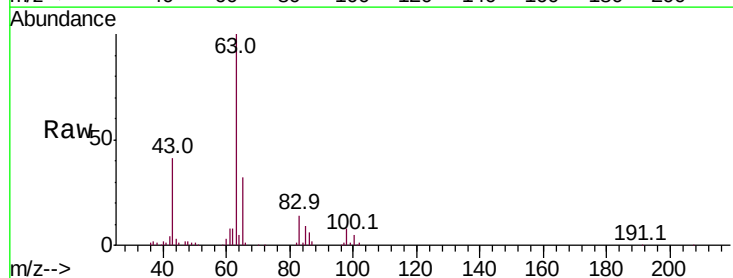
Tgt Ion: 63 Resp: 372157

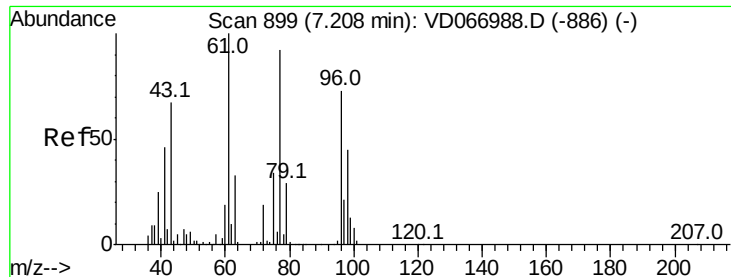
Ion Ratio Lower Upper

63 100

98 8.4 4.2 12.6

100 5.0 2.6 7.8





#25

2-Butanone

Concen: 255.346 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

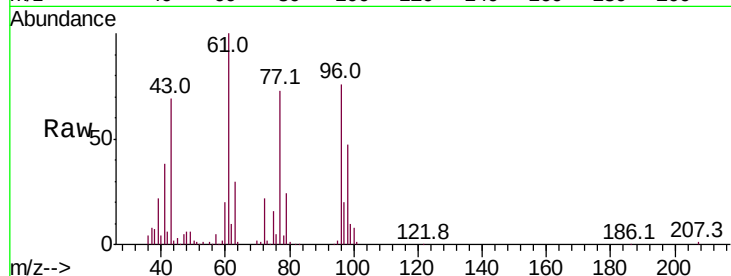
VSTDCCC050

Tot Ion: 43 Resp: 234383

Ion Ratio Lower Upper

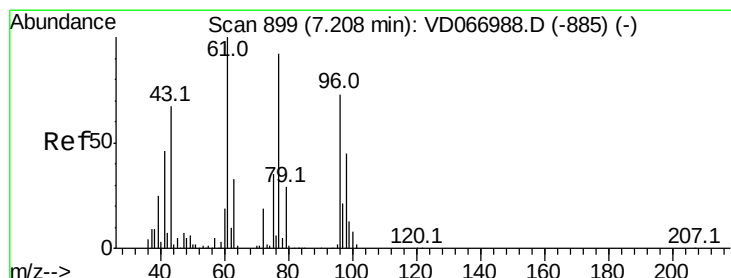
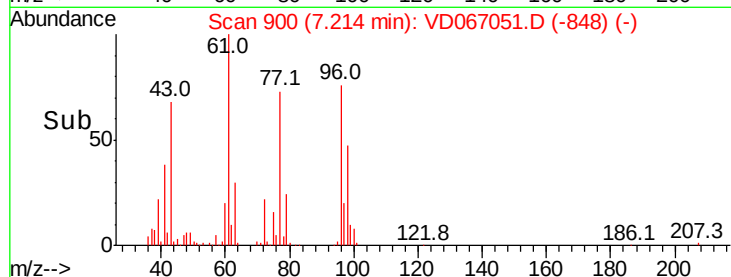
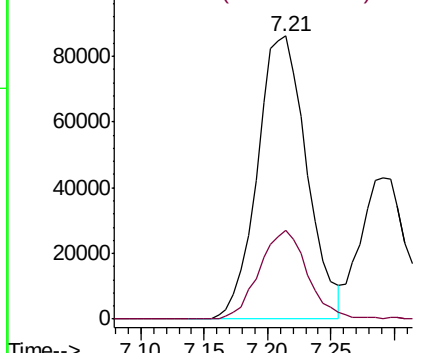
43 100

72 31.6 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.983 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067051.D

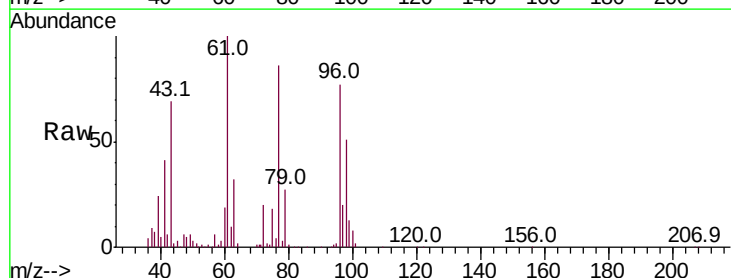
Acq: 02 Oct 2020 23:16

Tgt Ion: 77 Resp: 300883

Ion Ratio Lower Upper

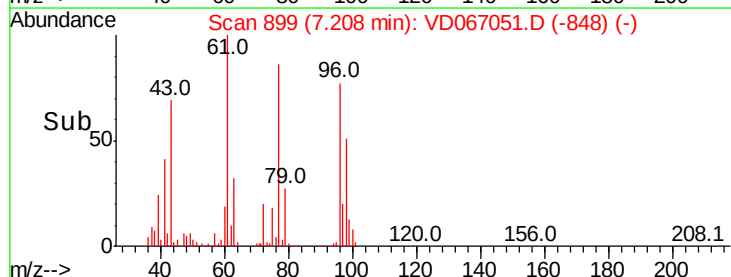
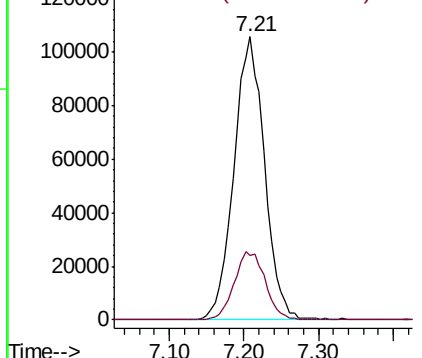
77 100

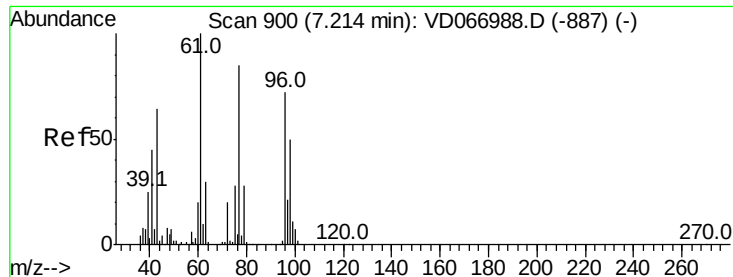
97 24.2 11.4 34.2



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: 50.852 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

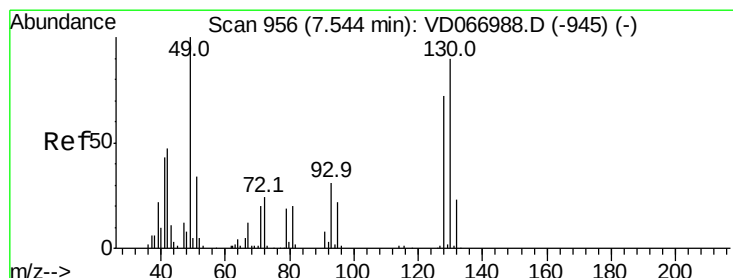
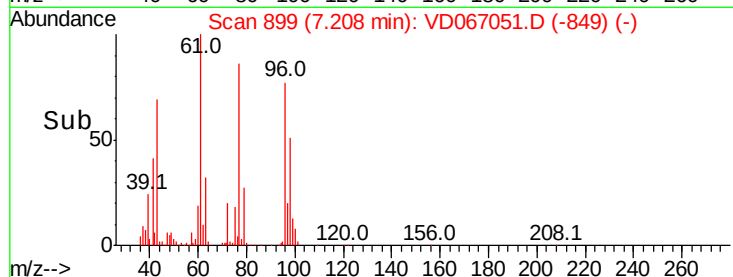
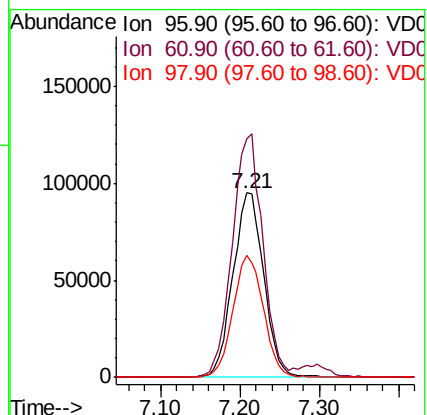
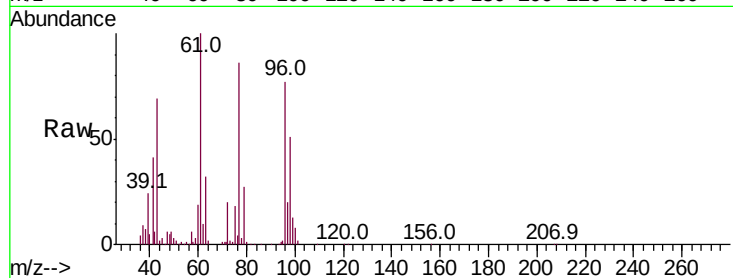
Tot Ion: 96 Resp: 256553

Ion Ratio Lower Upper

96 100

61 130.2 0.0 269.2

98 65.3 0.0 129.4



#28

Bromochloromethane

Concen: 51.425 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

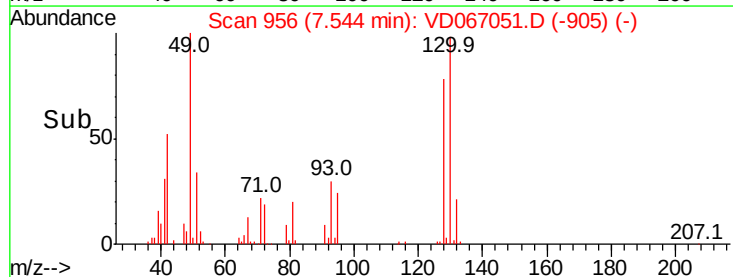
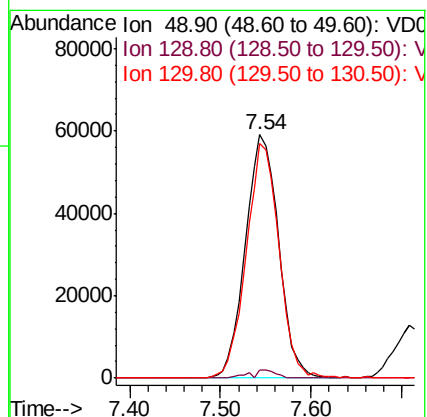
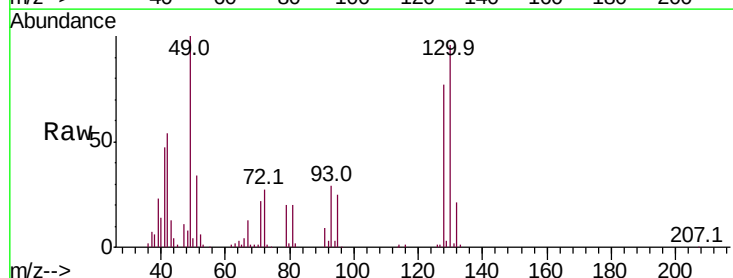
Tgt Ion: 49 Resp: 150882

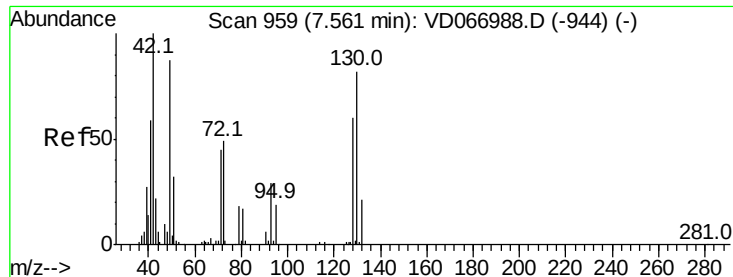
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

130 94.1 74.1 111.1





#29

Tetrahydrofuran

Concen: 267.925 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

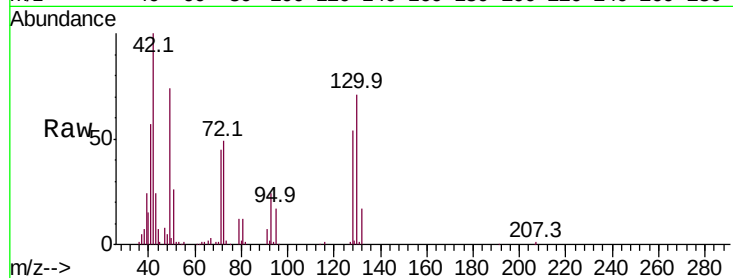
Tot Ion: 42 Resp: 141407

Ion Ratio Lower Upper

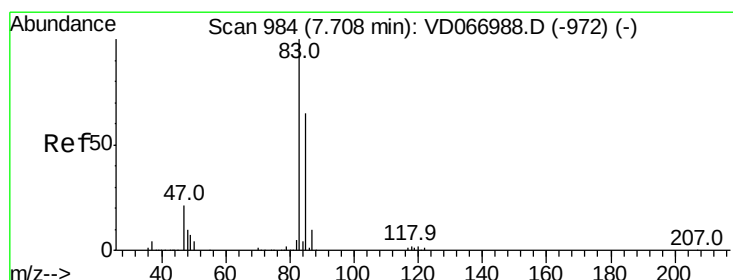
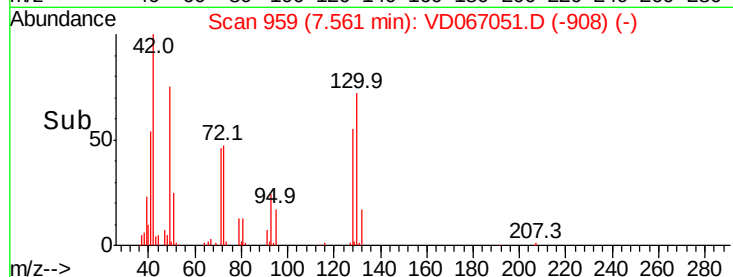
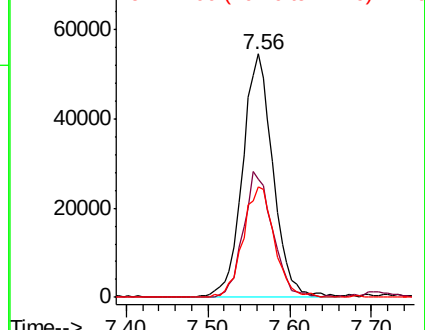
42 100

72 49.6 39.1 58.7

71 46.3 34.2 51.4



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



#30

Chloroform

Concen: 49.673 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067051.D

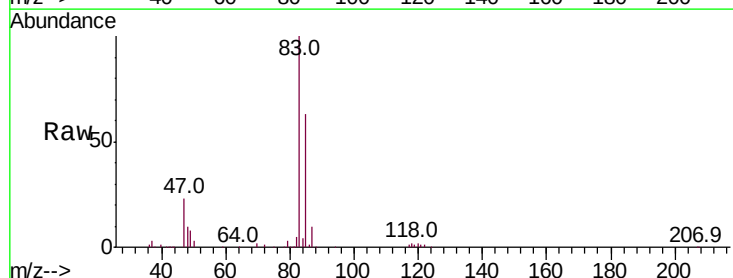
Acq: 02 Oct 2020 23:16

Tgt Ion: 83 Resp: 409385

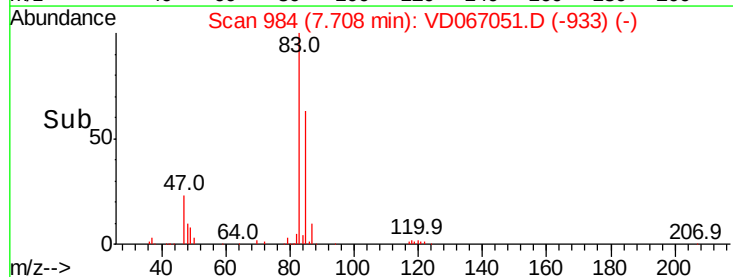
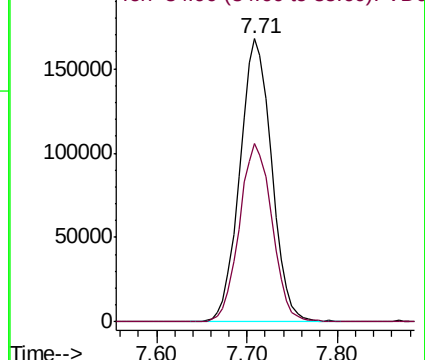
Ion Ratio Lower Upper

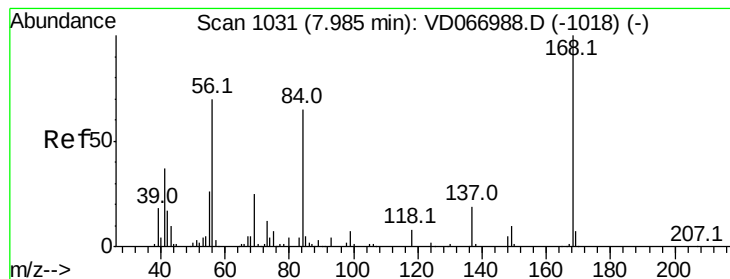
83 100

85 63.0 52.3 78.5



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





#31

Cyclohexane

Concen: 43.352 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

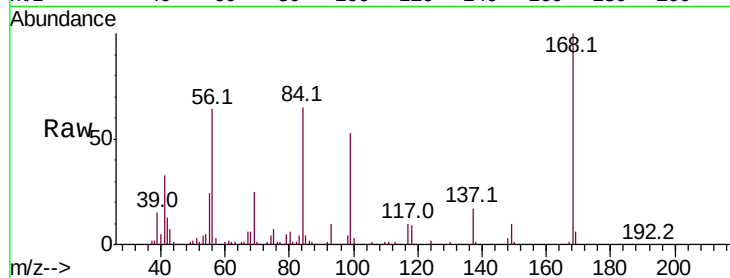
Tot Ion: 56 Resp: 276126

Ion Ratio Lower Upper

56 100

69 38.6 29.0 43.6

84 99.2 74.2 111.2

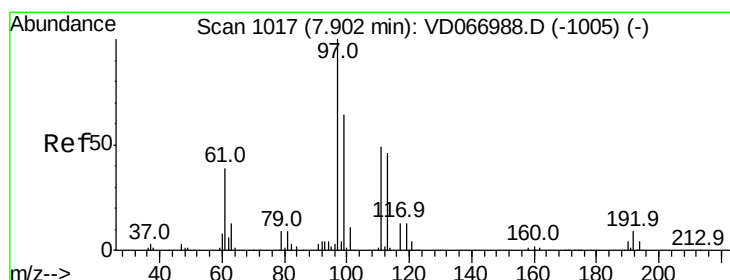
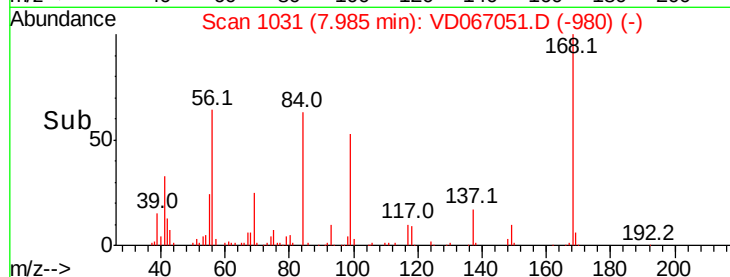
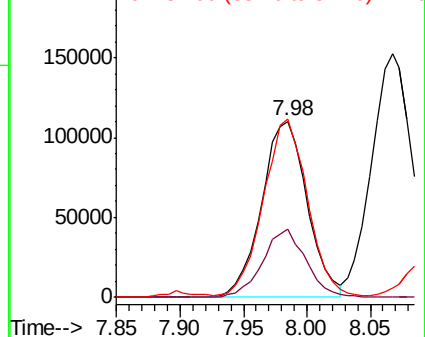


Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 48.105 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

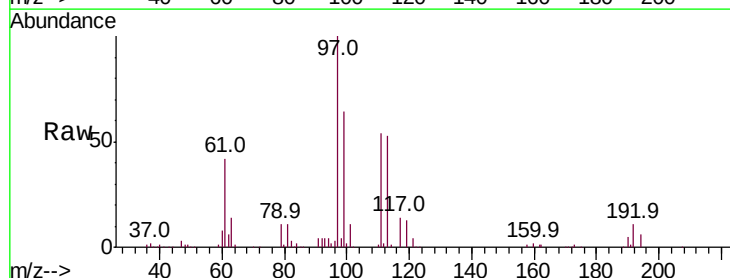
Tgt Ion: 97 Resp: 367430

Ion Ratio Lower Upper

97 100

99 63.0 52.6 78.8

61 40.1 32.8 49.2

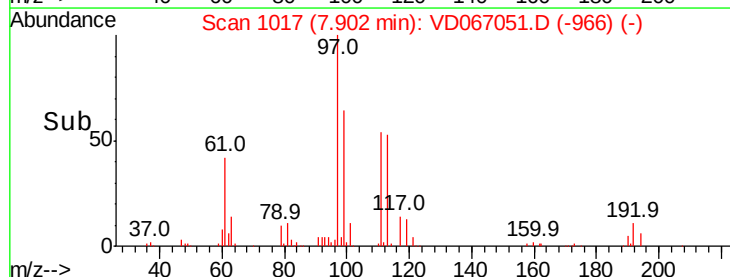
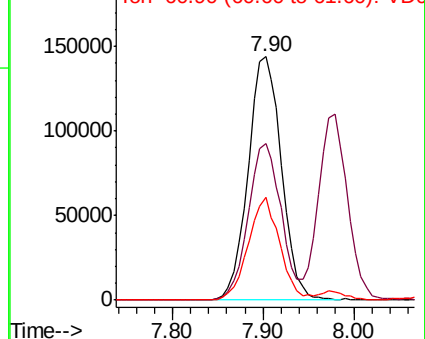


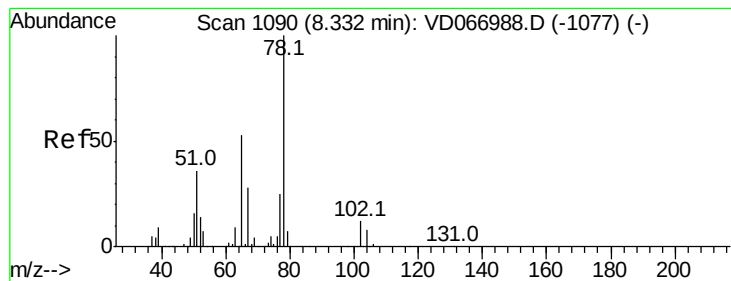
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.602 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

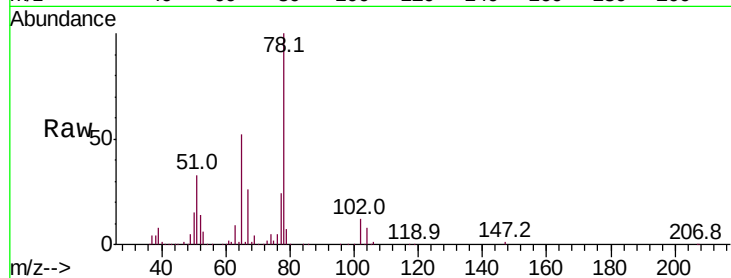
VSTDCCC050

Tot Ion: 65 Resp: 227340

Ion Ratio Lower Upper

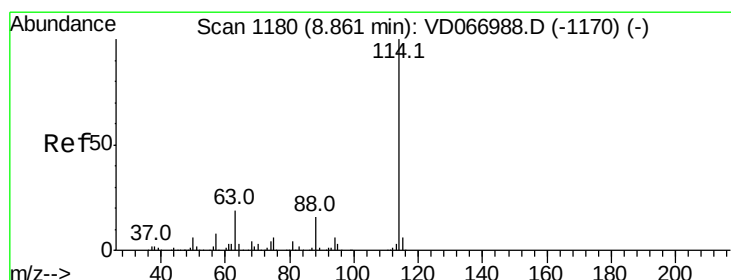
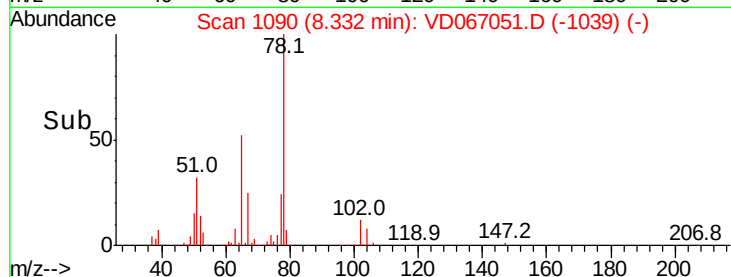
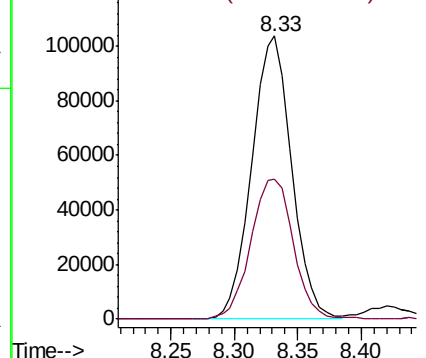
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

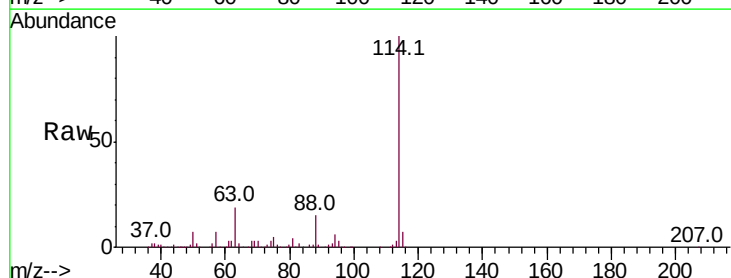
Tgt Ion: 114 Resp: 700152

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

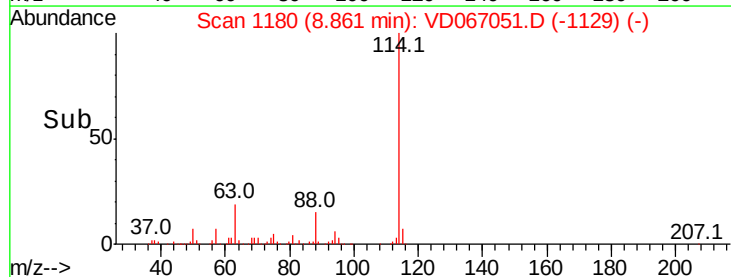
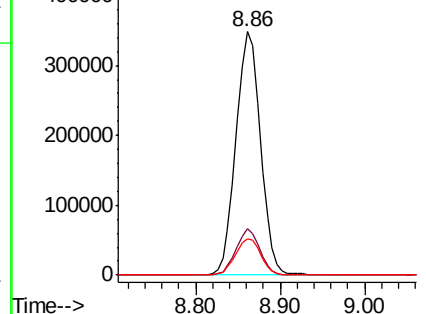
88 14.7 0.0 31.2

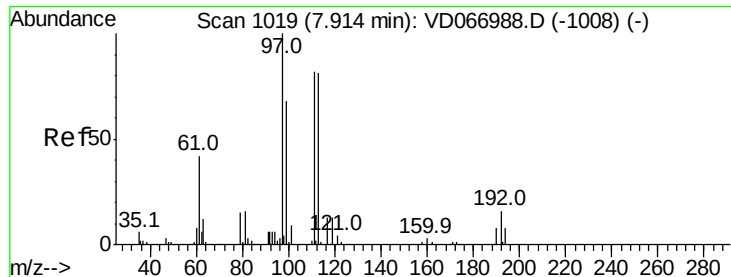


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

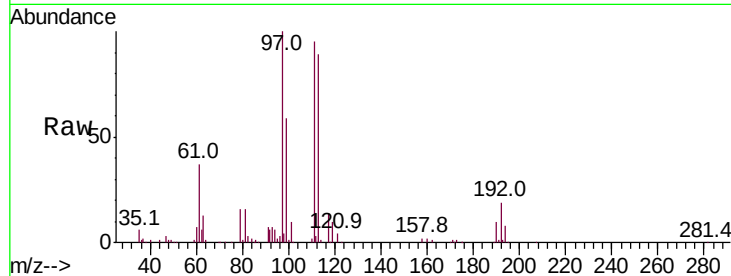




#35
Dibromofluoromethane
Concen: 54.478 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	20.0	15.5	23.3

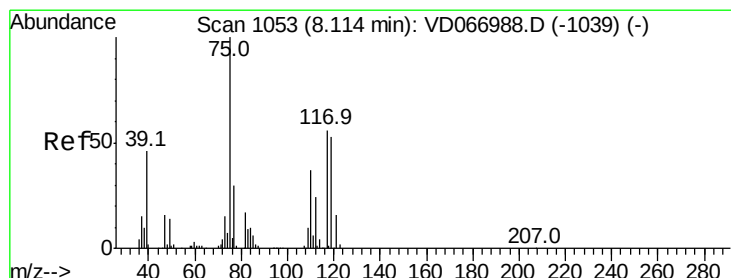
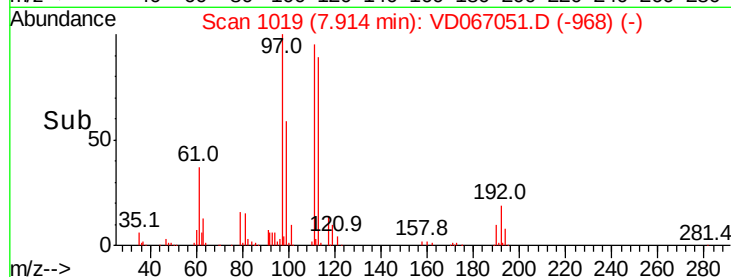
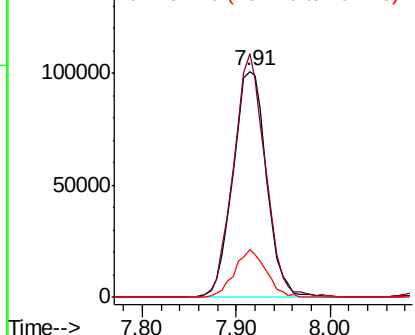


Abundance

Ion 112.80 (112.50 to 113.50): V

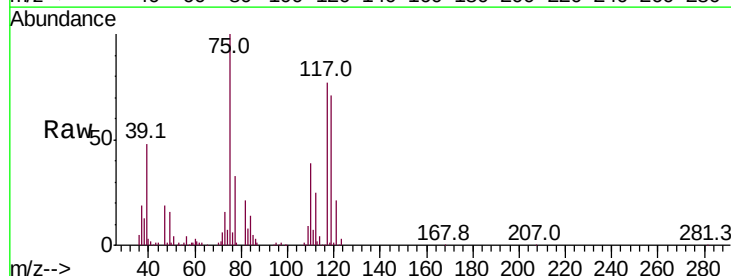
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 45.974 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.4	55.0
77	30.8	24.8	37.2

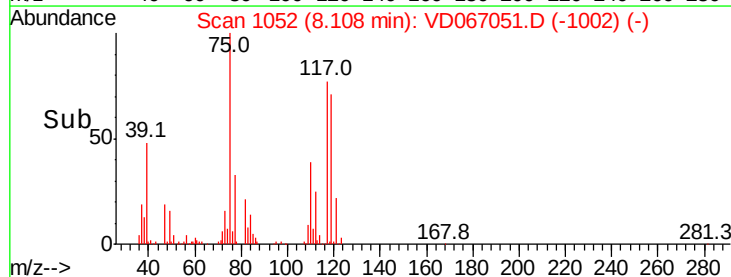
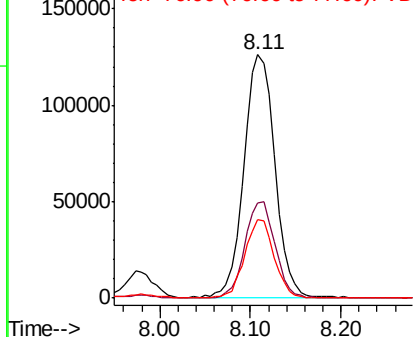


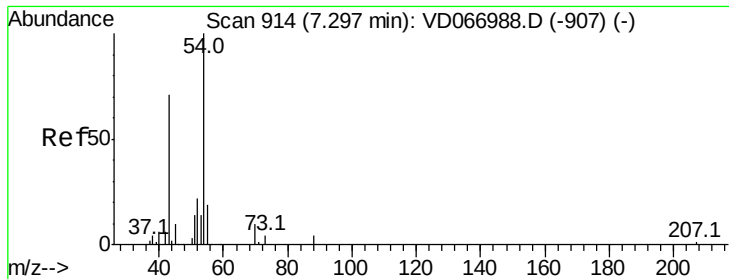
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

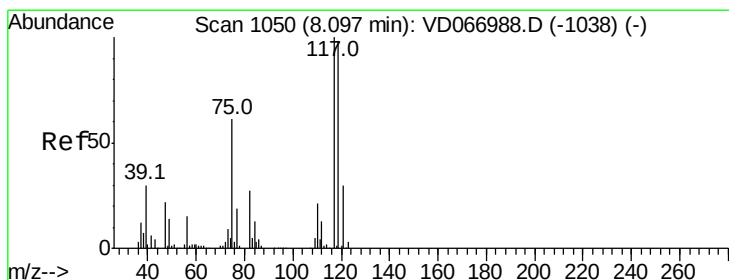
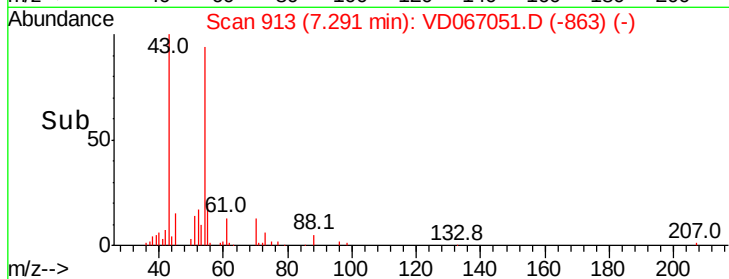
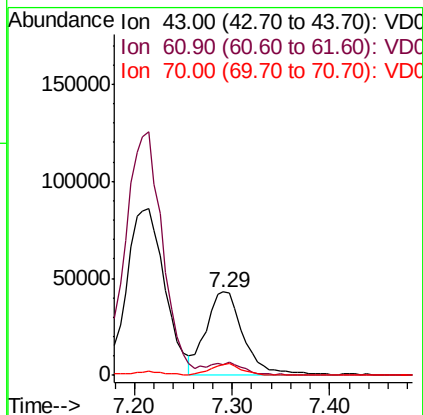
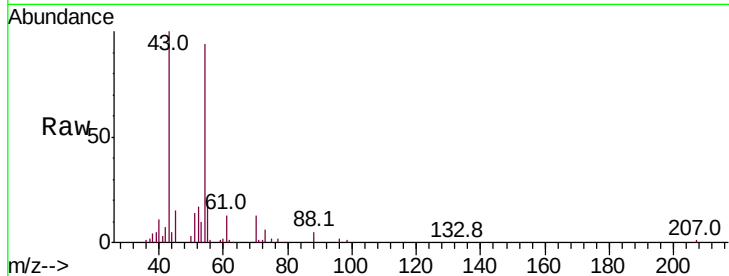




#37
Ethyl Acetate
Concen: 49.667 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

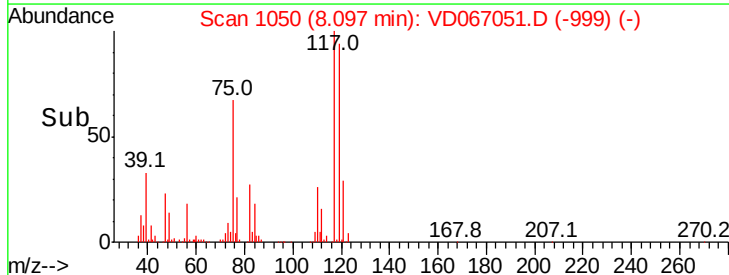
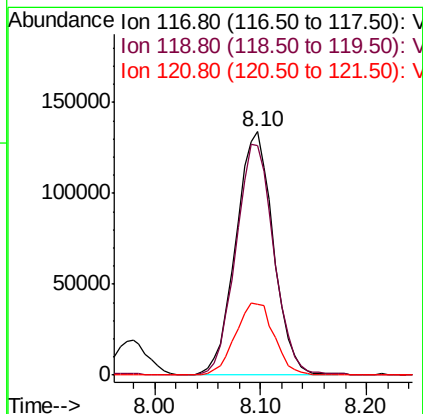
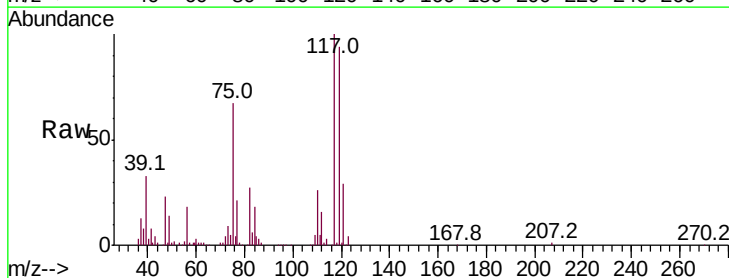
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

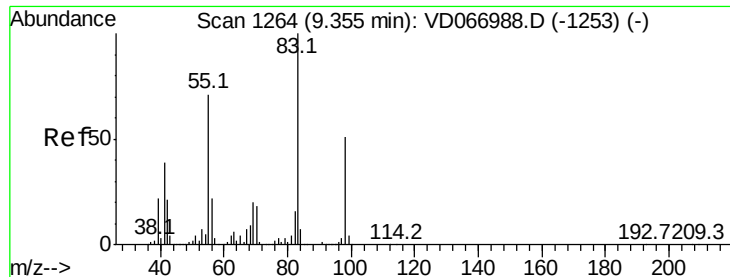
Tot Ion: 43 Resp: 112289
Ion Ratio Lower Upper
43 100
61 12.9 12.5 18.7
70 12.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 46.556 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 117 Resp: 328743
Ion Ratio Lower Upper
117 100
119 94.5 78.7 118.1
121 29.1 24.2 36.2

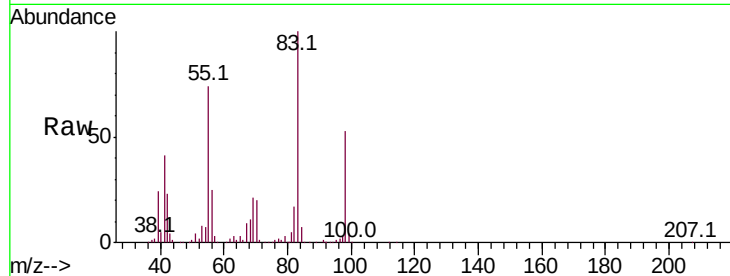




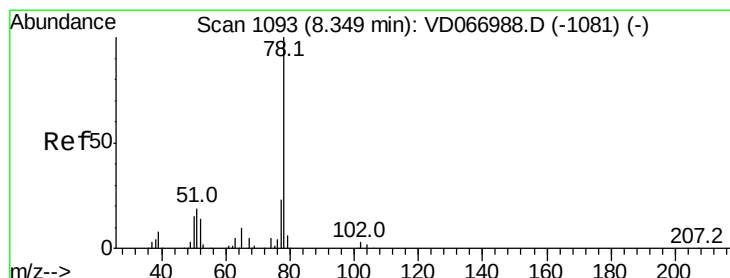
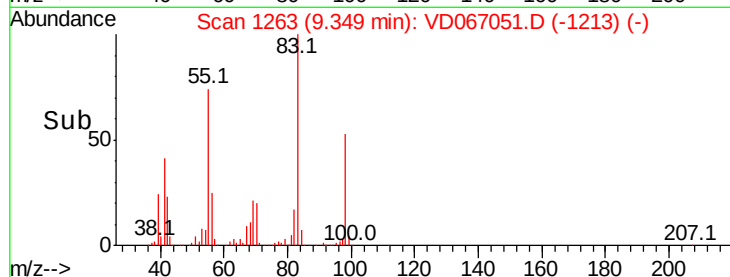
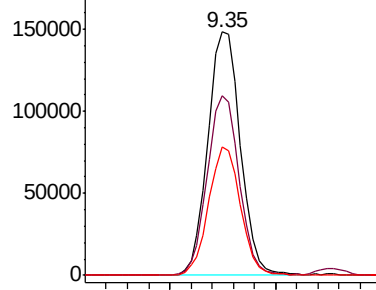
#39
Methylvlcyclohexane
Concen: 46.122 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 318230
Ion Ratio Lower Upper
83 100
55 74.0 57.1 85.7
98 52.6 40.9 61.3

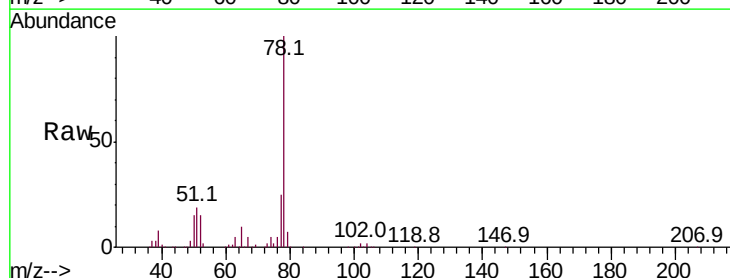


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

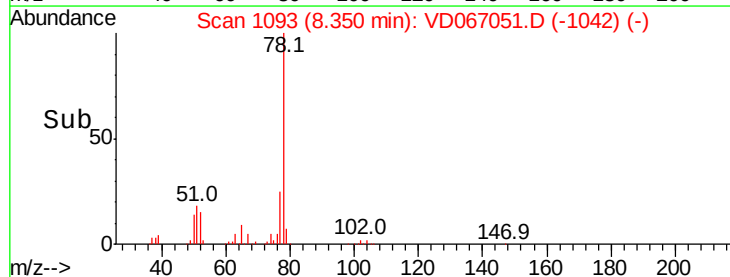
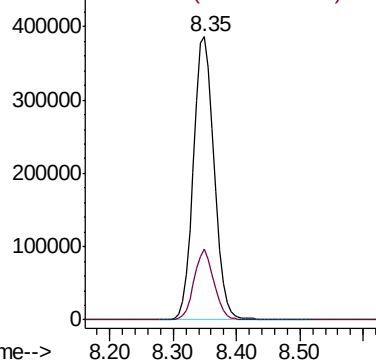


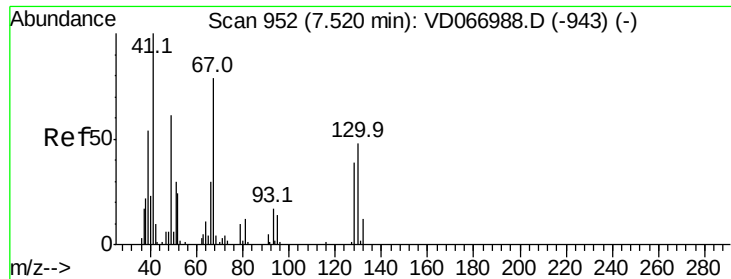
#40
Benzene
Concen: 48.290 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 78 Resp: 875340
Ion Ratio Lower Upper
78 100
77 25.3 18.4 27.6



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

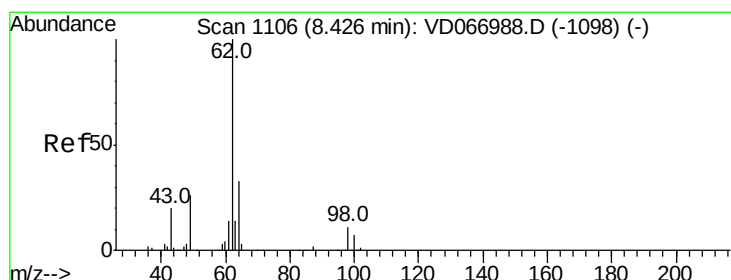
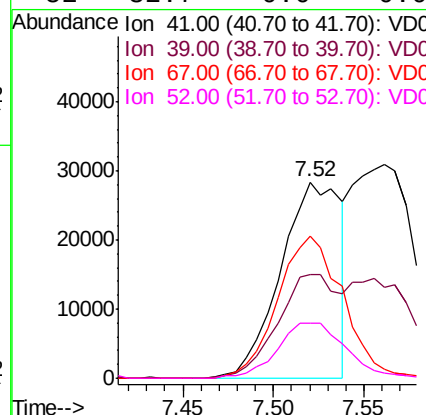
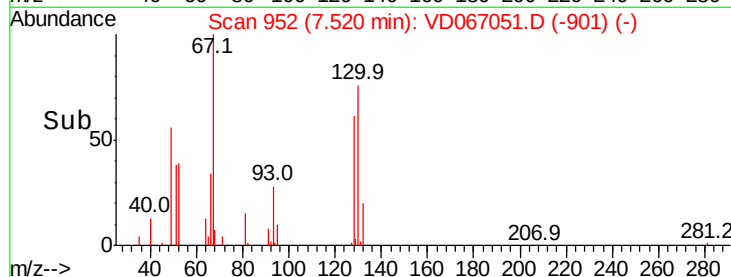
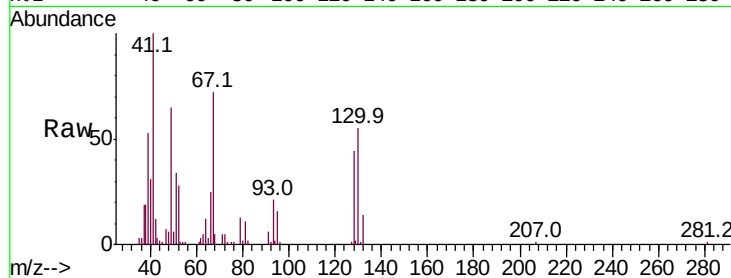




#41
Methacrylonitrile
Concen: 54.082 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

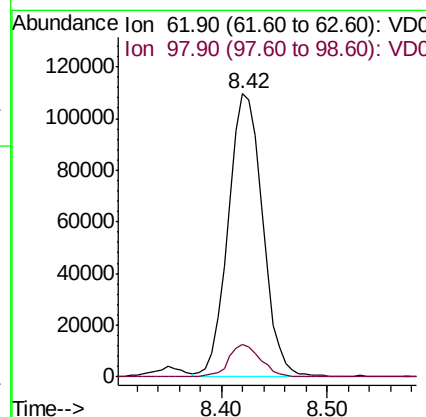
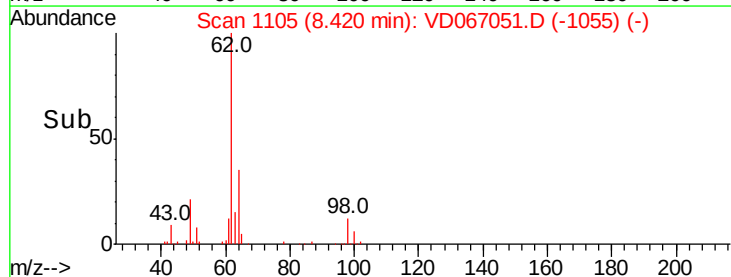
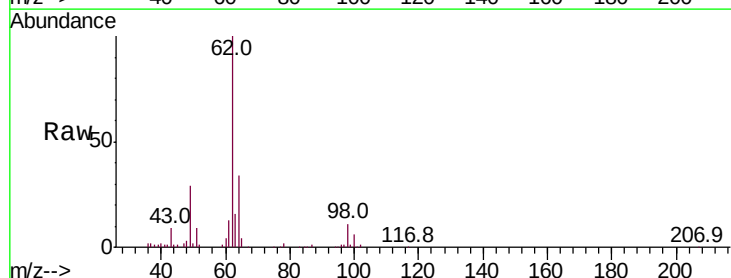
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

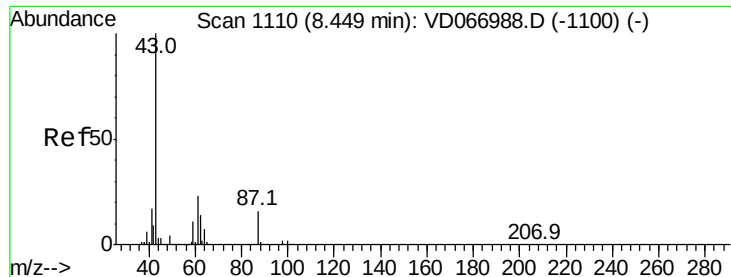
Tot Ion: 41 Resp: 66056
Ion Ratio Lower Upper
41 100
39 53.5 0.0 0.0#
67 78.6 0.0 0.0#
52 32.7 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 48.470 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 62 Resp: 245510
Ion Ratio Lower Upper
62 100
98 10.7 0.0 22.6





#43

Isopropyl Acetate

Concen: 51.417 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

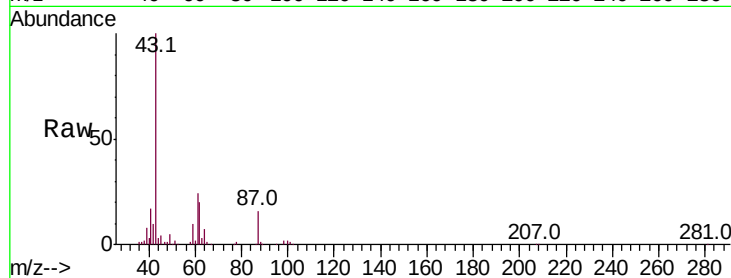
Tot Ion: 43 Resp: 214151

Ion Ratio Lower Upper

43 100

61 33.5 27.1 40.7

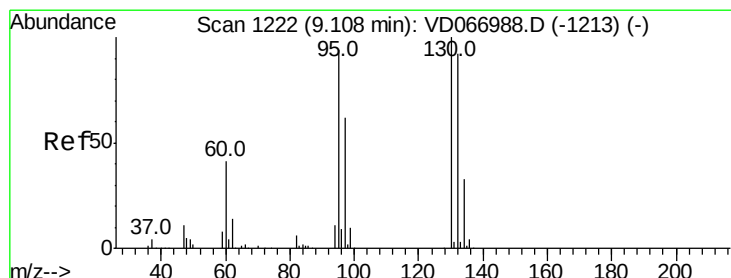
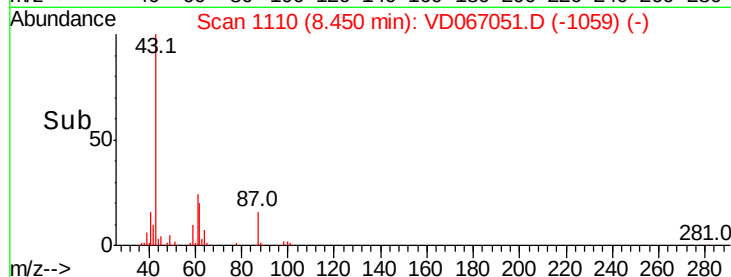
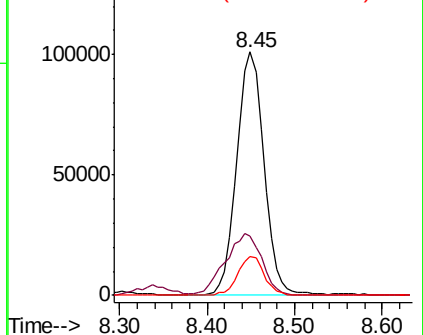
87 15.6 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.975 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067051.D

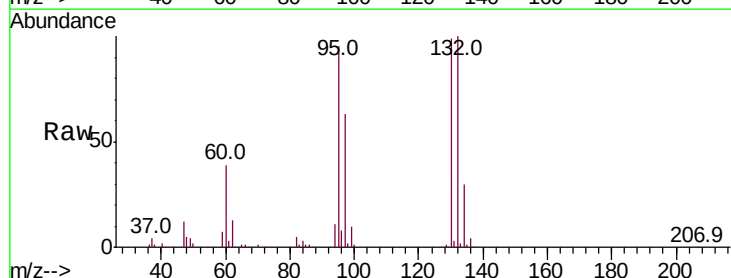
Acq: 02 Oct 2020 23:16

Tgt Ion: 130 Resp: 259682

Ion Ratio Lower Upper

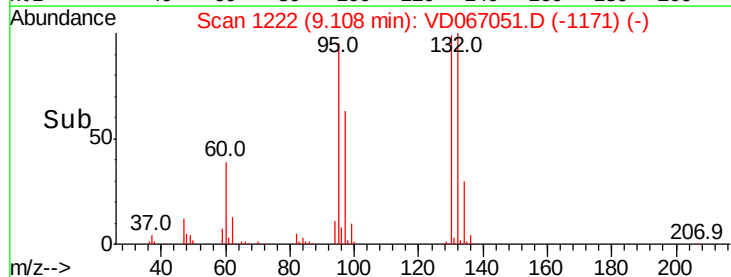
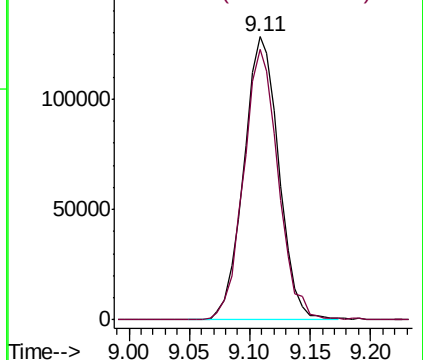
130 100

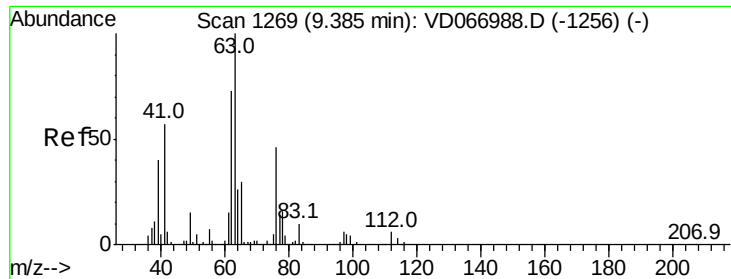
95 95.6 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.799 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

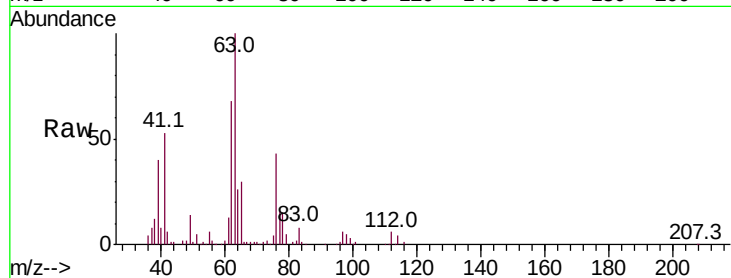
VSTDCCC050

Tot Ion: 63 Resp: 216357

Ion Ratio Lower Upper

63 100

65 30.0 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

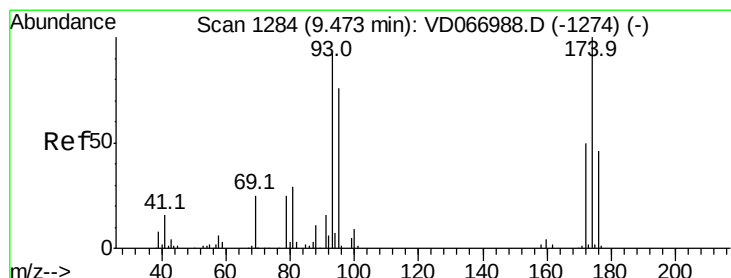
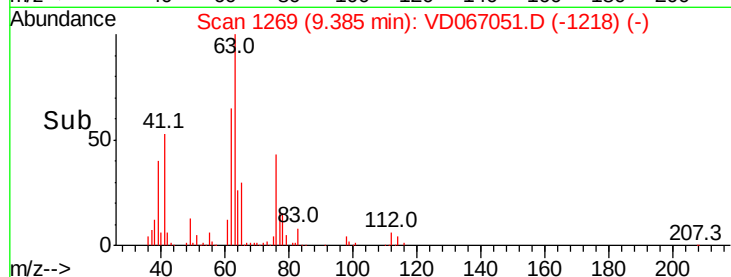
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.104 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

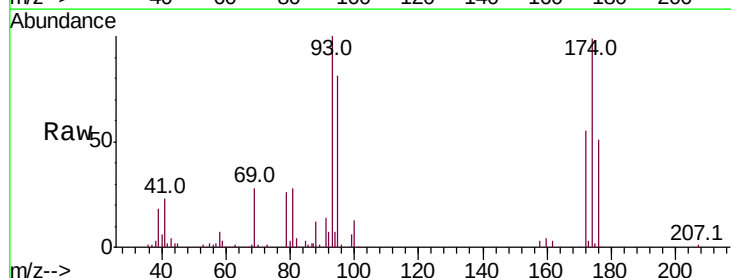
Tgt Ion: 93 Resp: 125099

Ion Ratio Lower Upper

93 100

95 82.0 64.7 97.1

174 101.9 81.4 122.2



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

9.47

80000

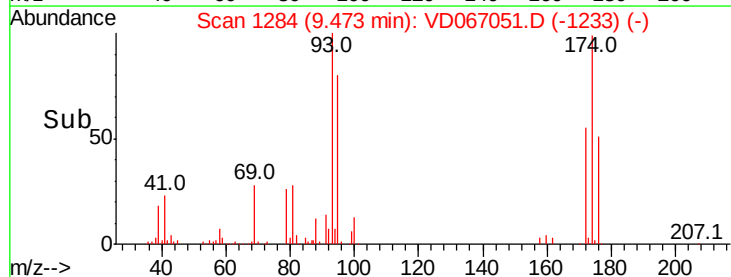
60000

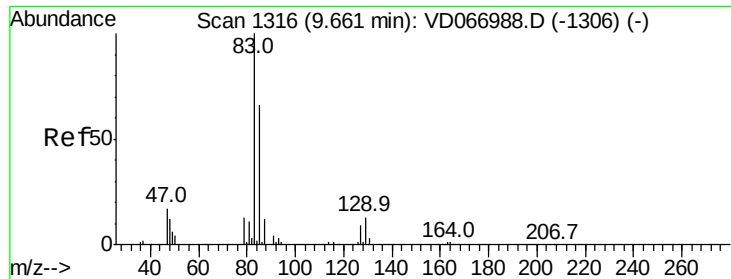
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.564 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

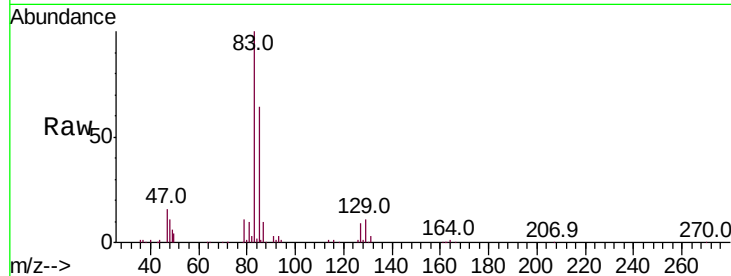
Tot Ion: 83 Resp: 321755

Ion Ratio Lower Upper

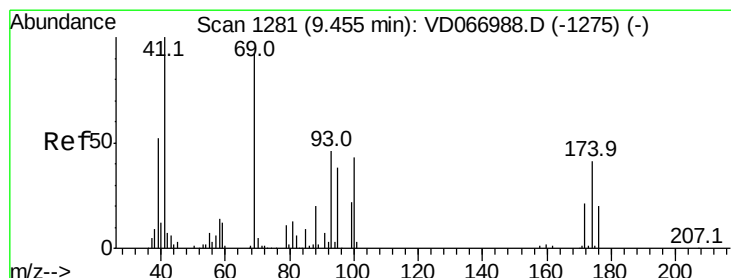
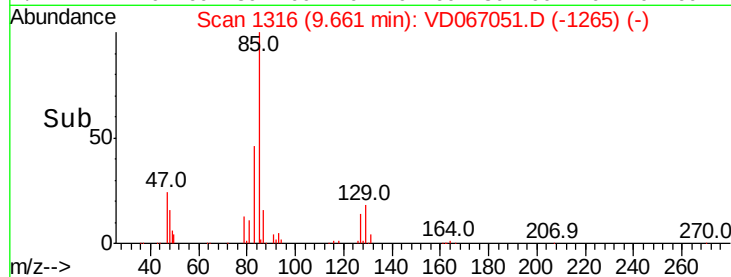
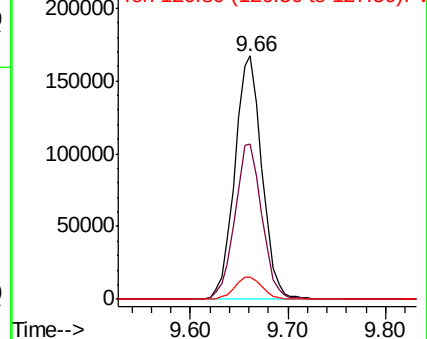
83 100

85 64.0 52.9 79.3

127 9.0 7.3 10.9



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



#48

Methyl methacrylate

Concen: 48.113 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

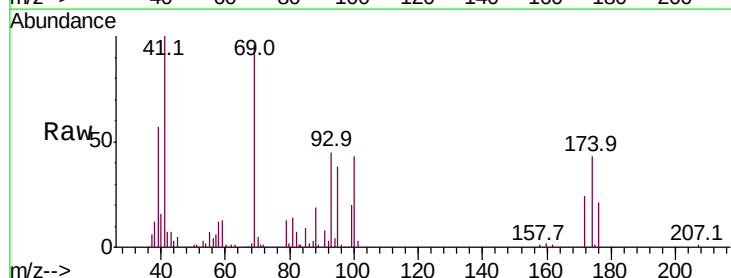
Tgt Ion: 41 Resp: 102663

Ion Ratio Lower Upper

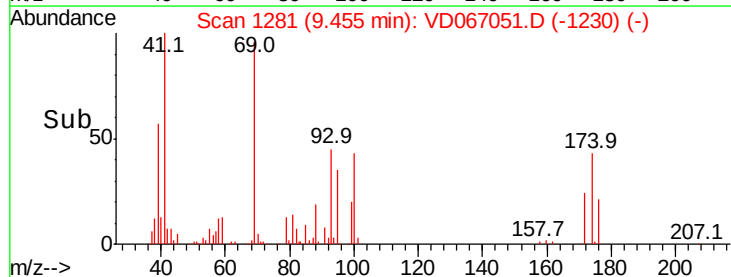
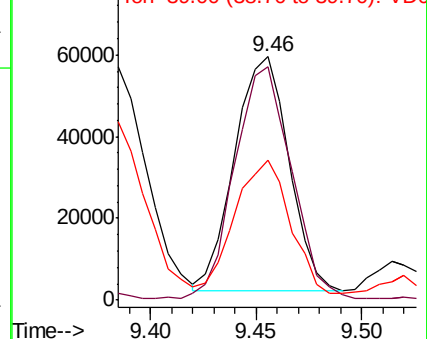
41 100

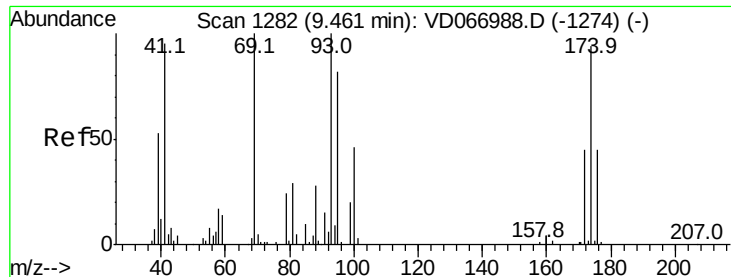
69 103.5 68.5 102.7#

39 64.1 40.2 60.2#



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





#49

1,4-Dioxane

Concen: 1062.054 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

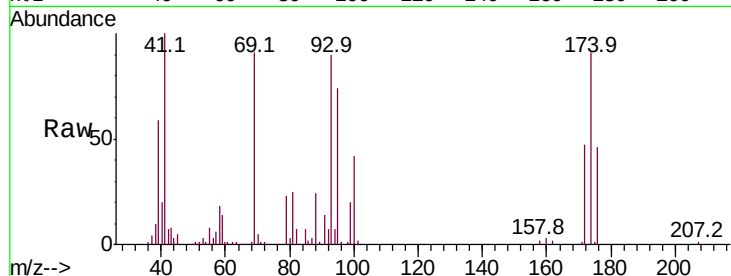
Tot Ion: 88 Resp: 27134

Ion Ratio Lower Upper

88 100

43 32.1 25.6 38.4

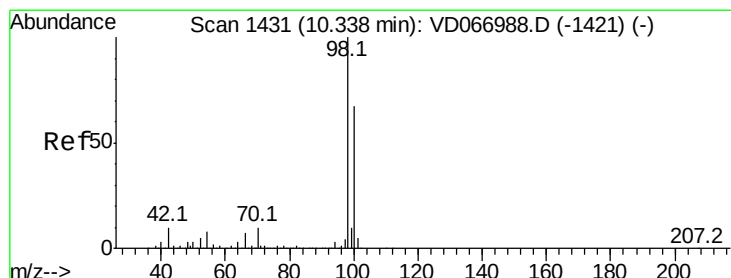
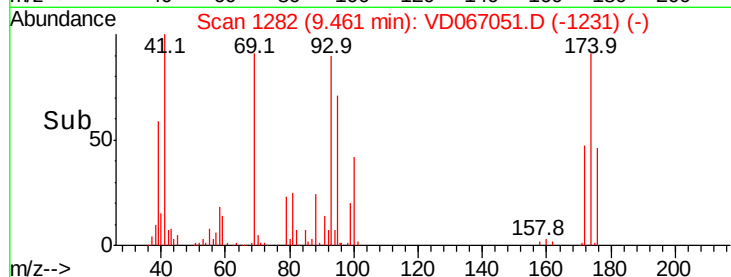
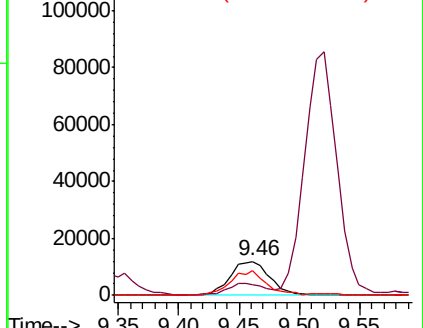
58 64.8 53.5 80.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.354 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067051.D

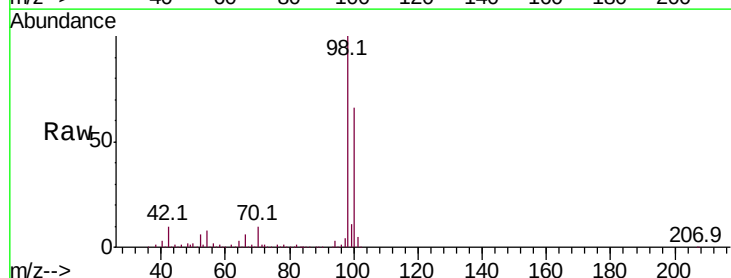
Acq: 02 Oct 2020 23:16

Tgt Ion: 98 Resp: 907857

Ion Ratio Lower Upper

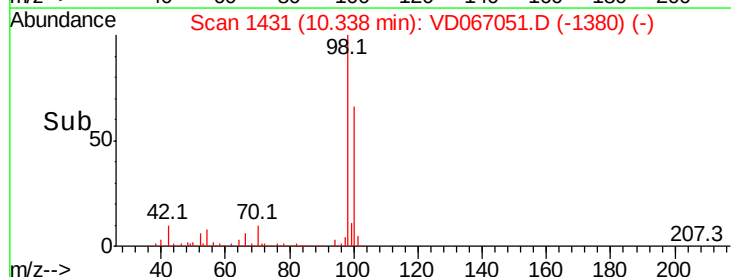
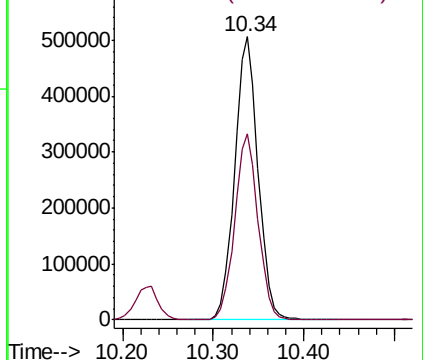
98 100

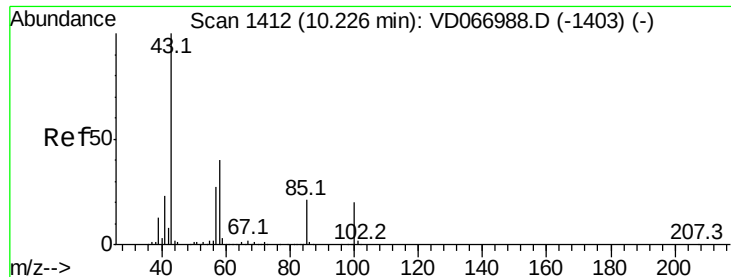
100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

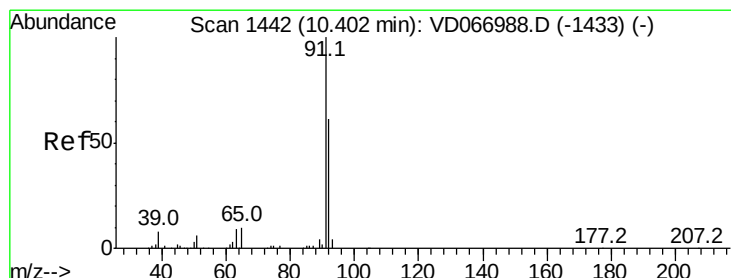
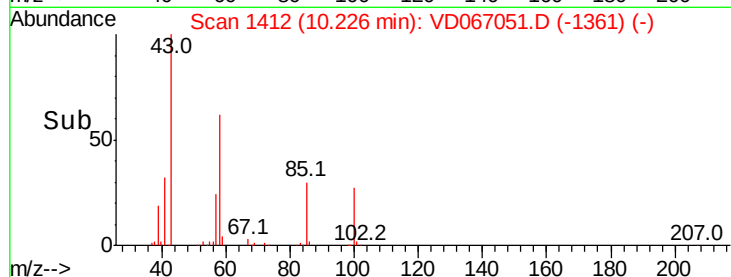
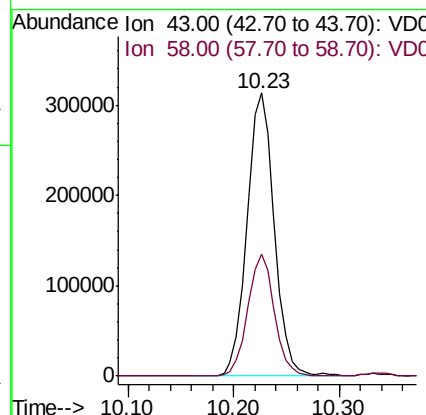
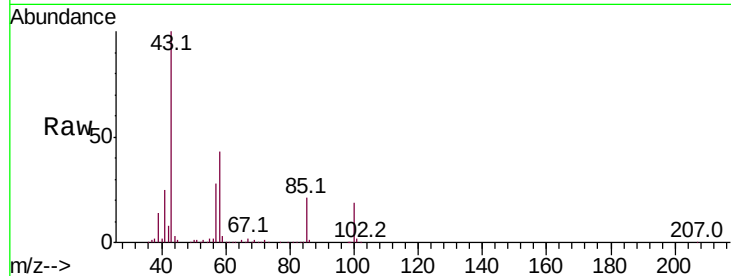




#51
 4-Methyl-2-Pentanone
 Concen: 270.086 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

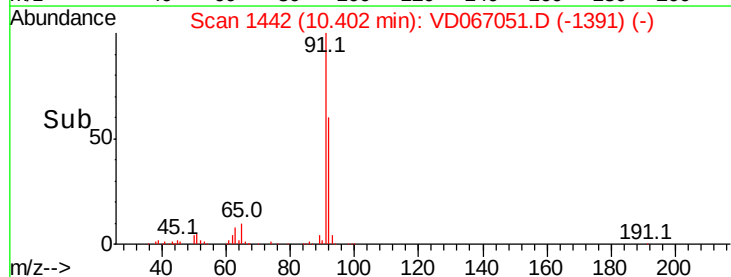
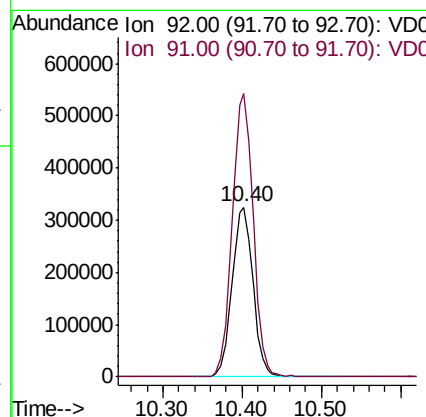
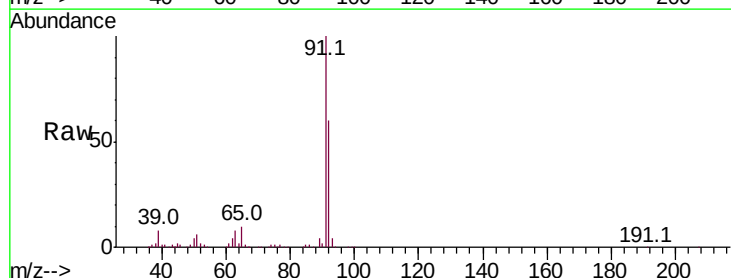
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

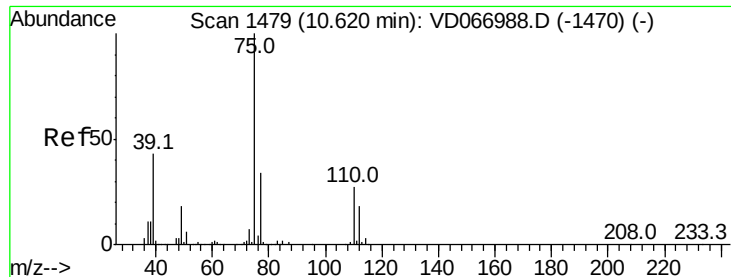
Tot Ion: 43 Resp: 560312
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.8 50.8



#52
 Toluene
 Concen: 50.647 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion: 92 Resp: 591400
 Ion Ratio Lower Upper
 92 100
 91 167.2 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 49.667 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

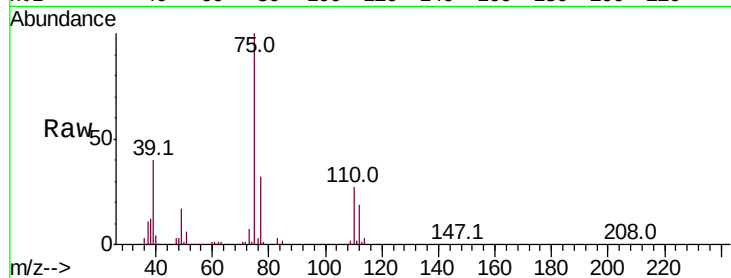
VSTDCCC050

Tot Ion: 75 Resp: 282457

Ion Ratio Lower Upper

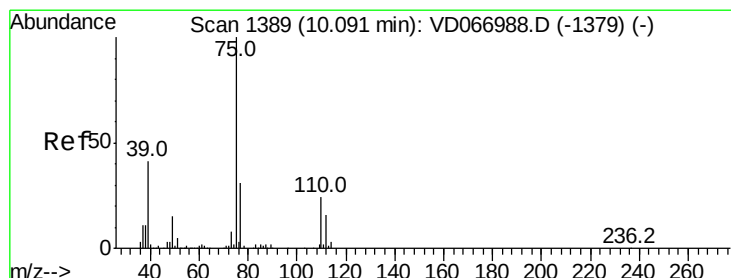
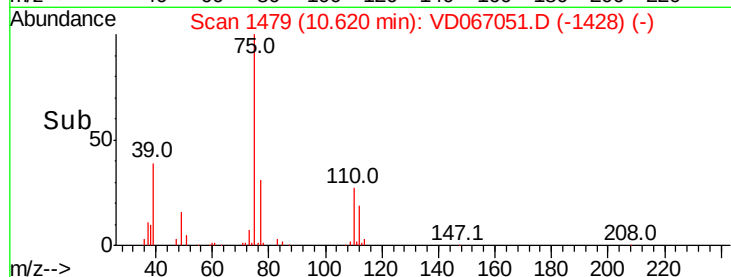
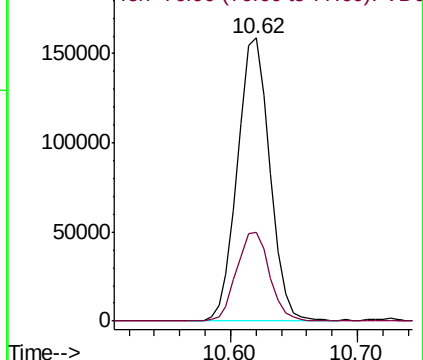
75 100

77 31.6 27.1 40.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 49.349 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

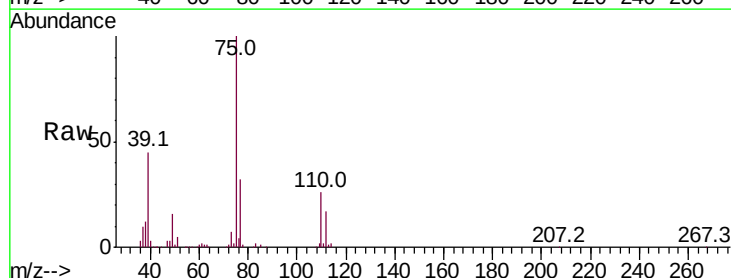
Tgt Ion: 75 Resp: 342705

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0

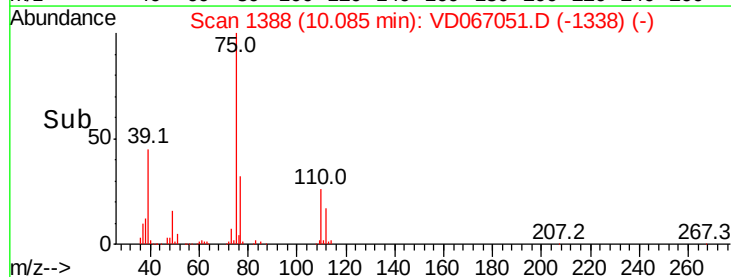
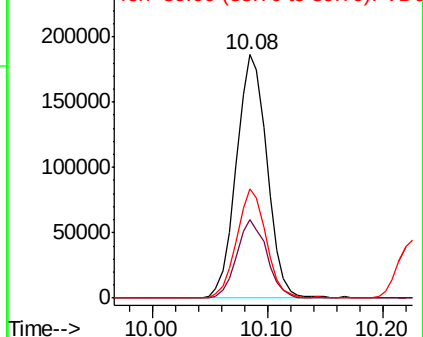
39 44.5 33.0 49.4

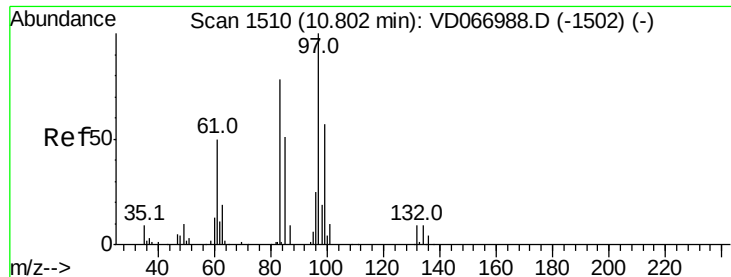


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 52.524 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

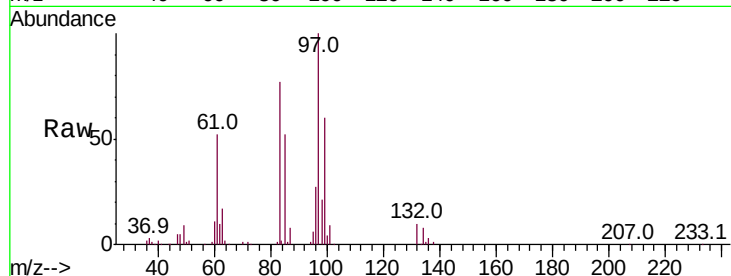
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 178757

Ion	Ratio	Lower	Upper
97	100		
83	77.3	62.4	93.6
85	51.8	41.0	61.4
99	60.3	45.9	68.9



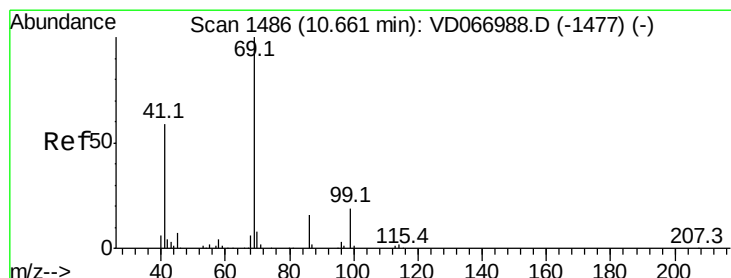
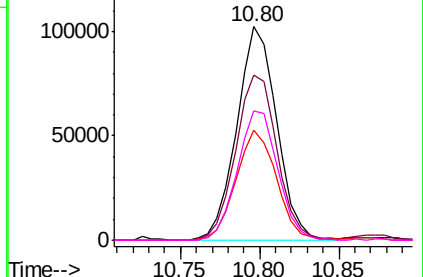
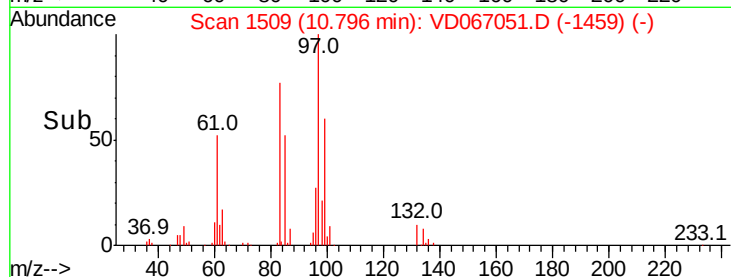
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 56.200 ug/l

RT: 10.66 min Scan# 1485

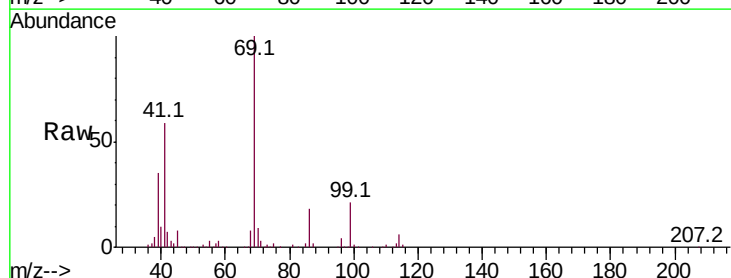
Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion: 69 Resp: 197473

Ion	Ratio	Lower	Upper
69	100		
41	59.2	46.4	69.6
39	32.9	23.8	35.6

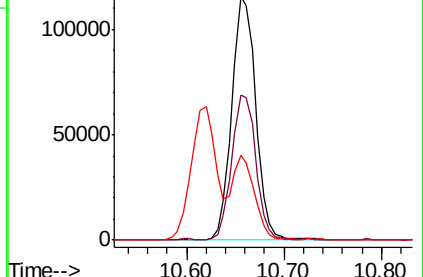
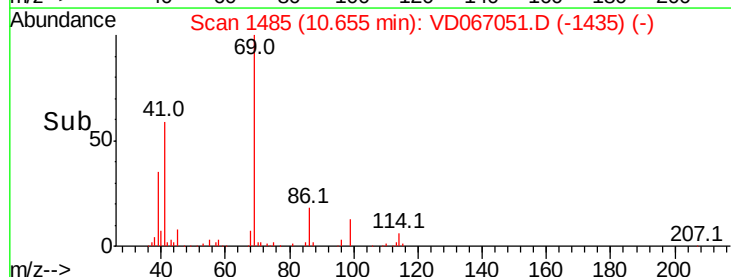


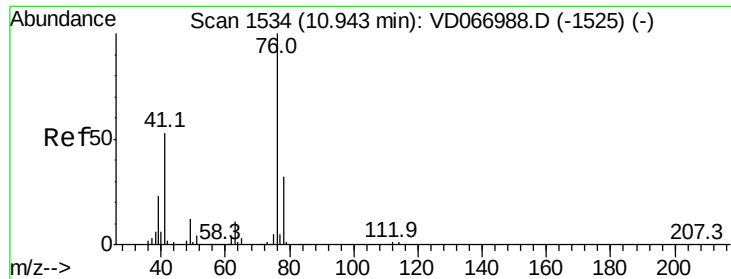
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.776 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

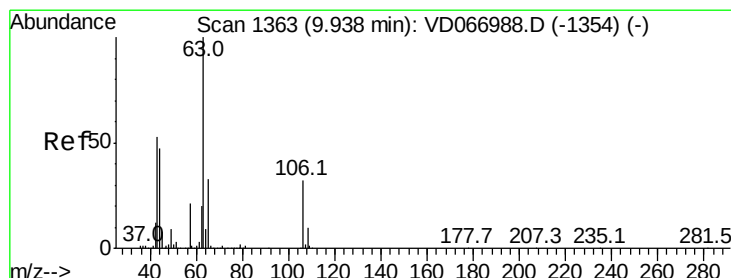
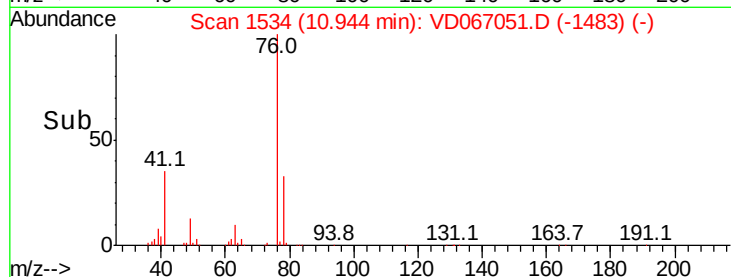
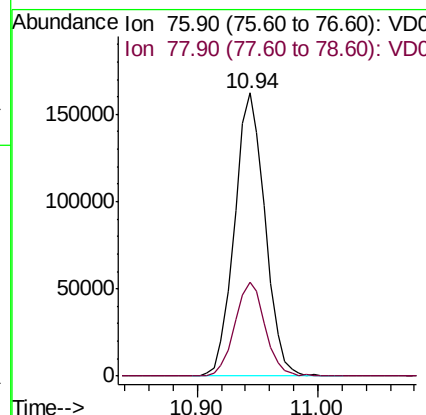
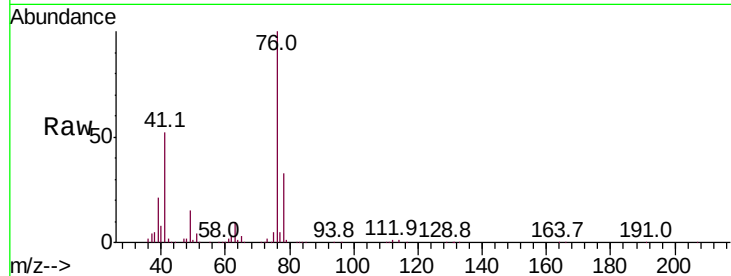
Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 285748

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 282.767 ug/l

RT: 9.94 min Scan# 1363

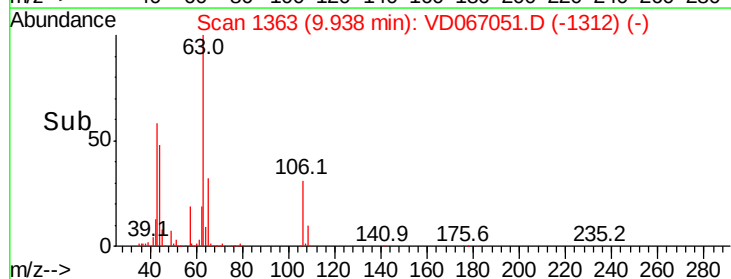
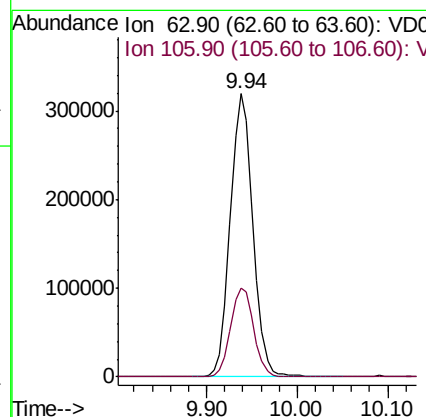
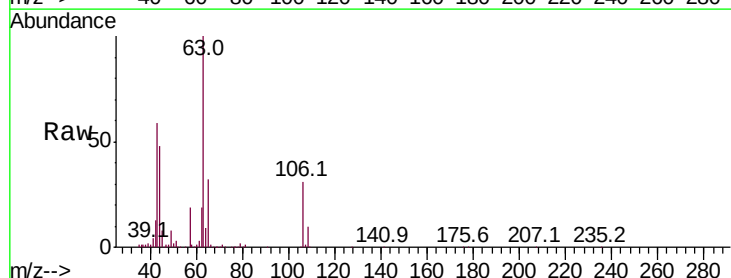
Delta R.T. 0.00 min

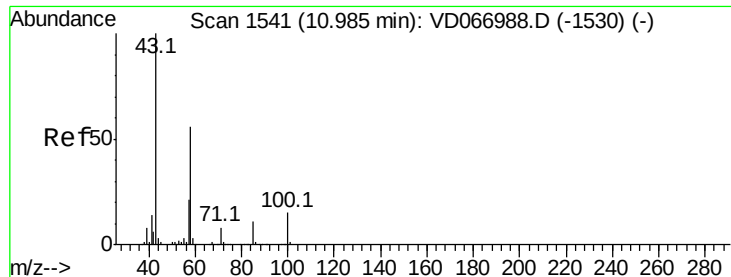
Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion: 63 Resp: 553009

Ion	Ratio	Lower	Upper
63	100		
106	32.0	25.3	37.9





#59

2-Hexanone

Concen: 270.157 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

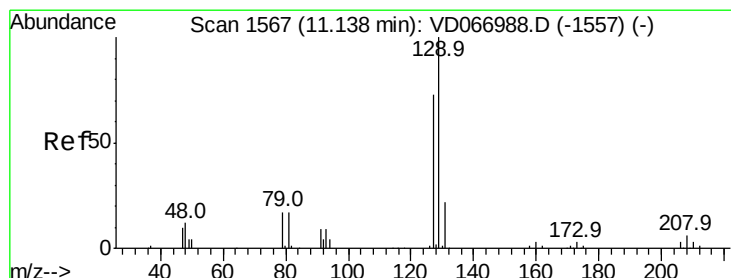
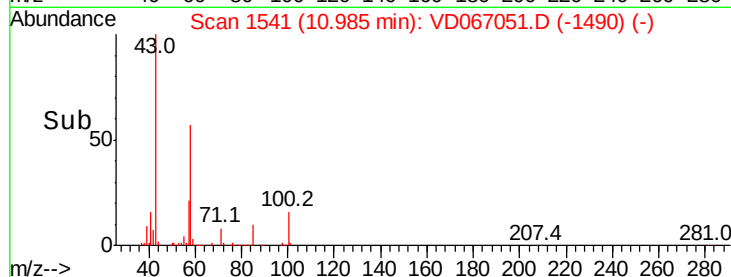
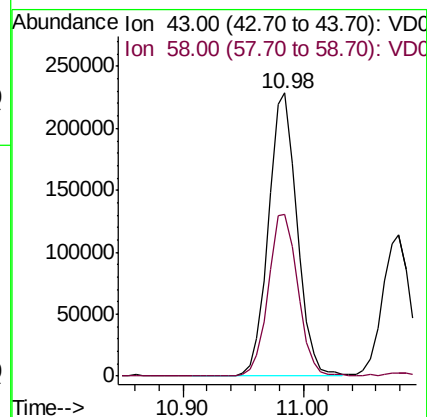
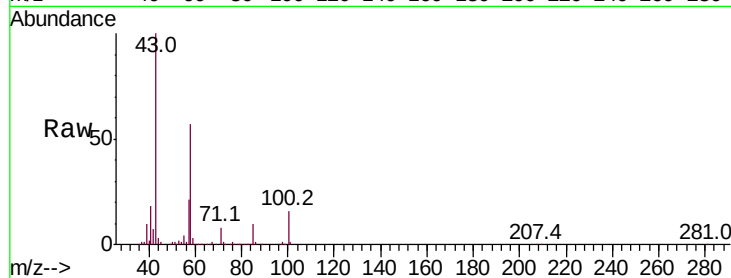
VSTDCCC050

Tot Ion: 43 Resp: 374073

Ion Ratio Lower Upper

43 100

58 59.2 28.3 84.9



#60

Dibromochloromethane

Concen: 50.594 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD067051.D

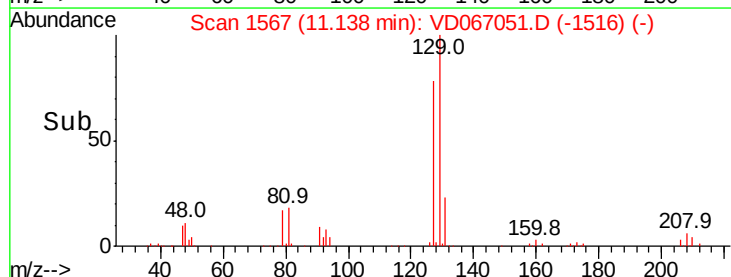
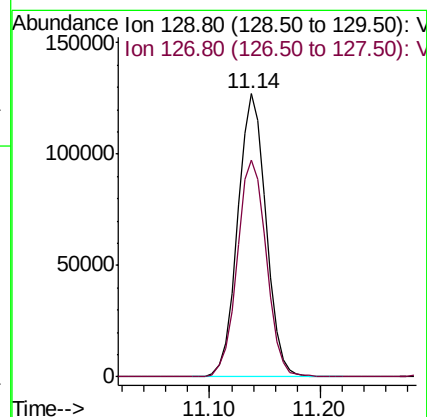
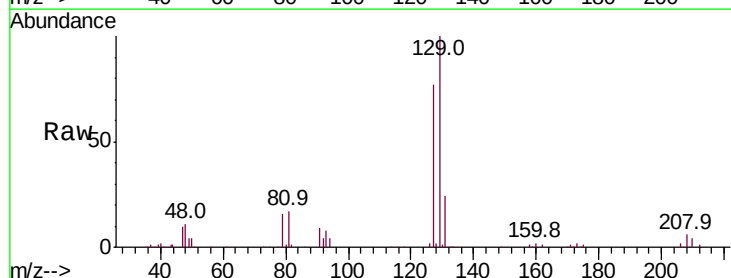
Acq: 02 Oct 2020 23:16

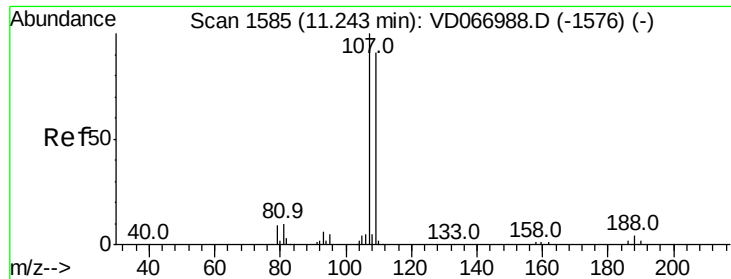
Tgt Ion:129 Resp: 229500

Ion Ratio Lower Upper

129 100

127 78.6 37.4 112.1

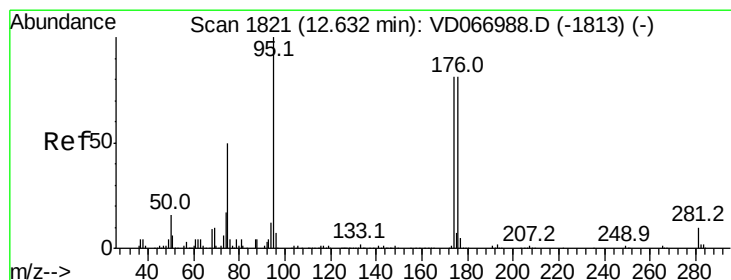
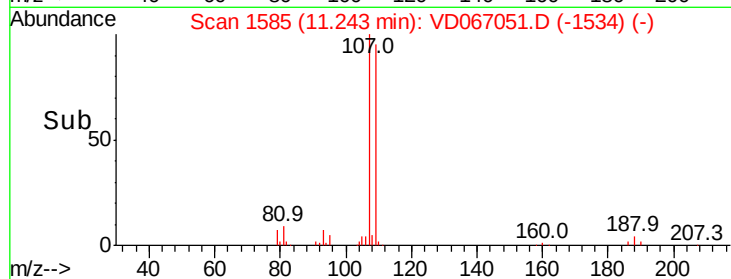
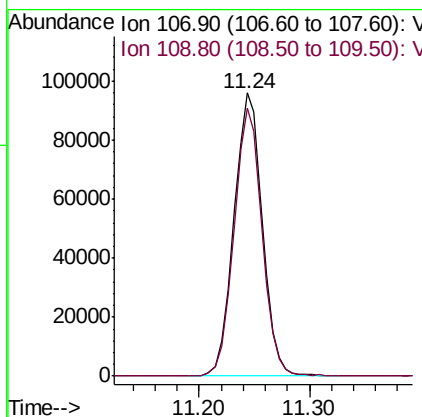
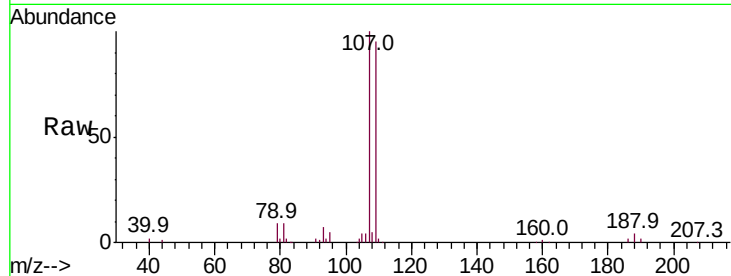




#61
 1,2-Dibromoethane
 Concen: 52.846 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

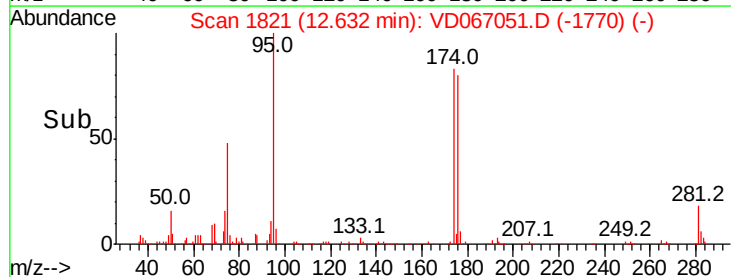
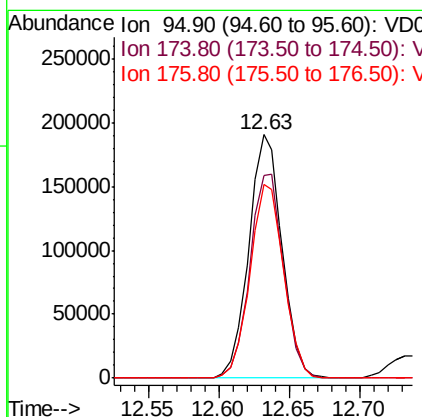
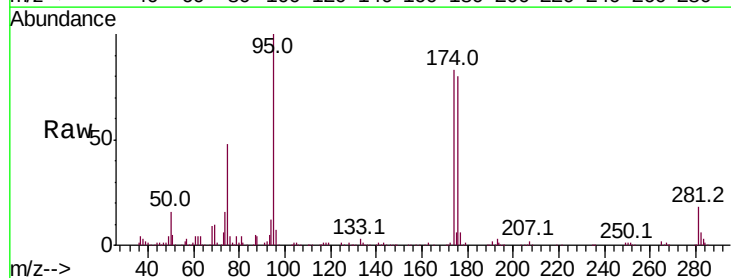
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

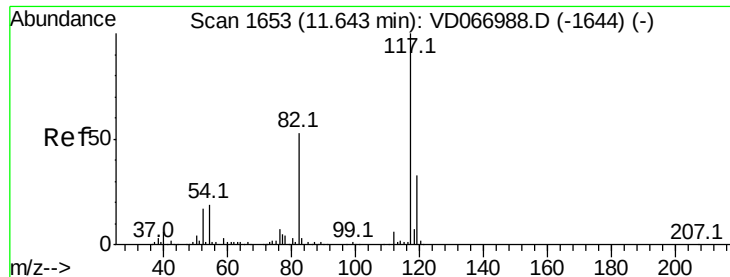
Tot Ion:107 Resp: 172791
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 55.307 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion: 95 Resp: 313602
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 167.6
 176 81.1 0.0 162.4

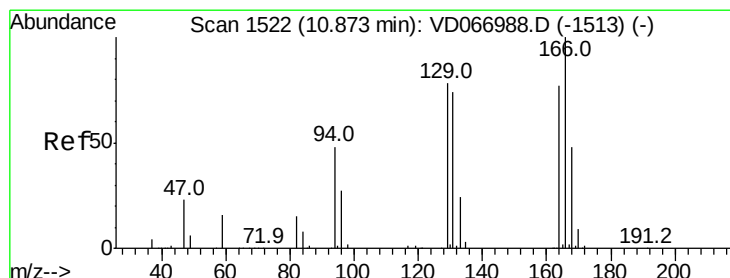
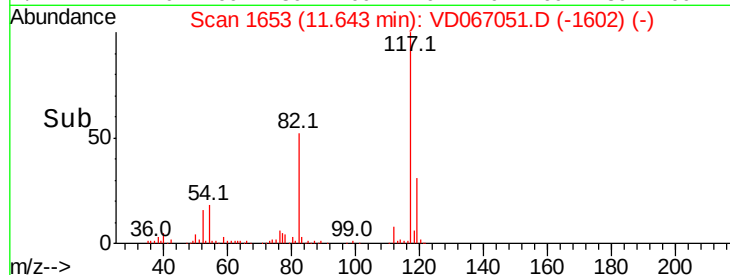
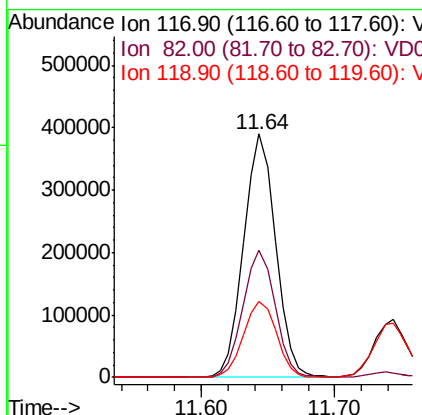
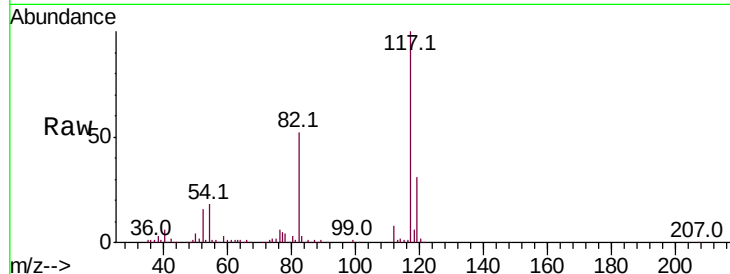




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

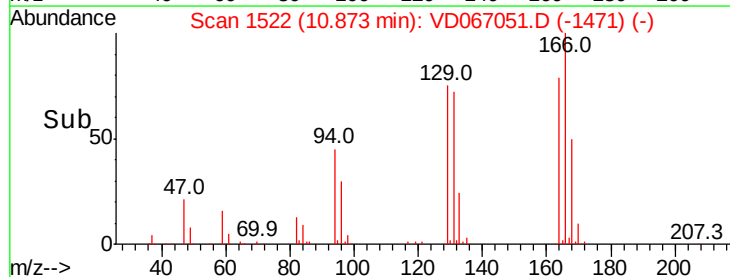
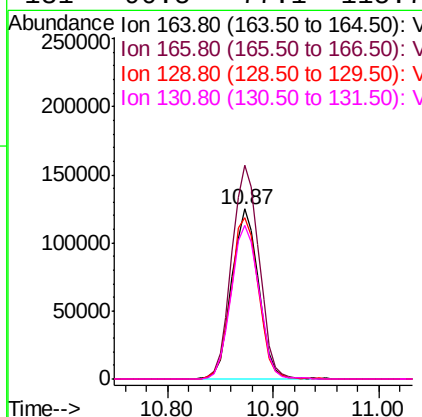
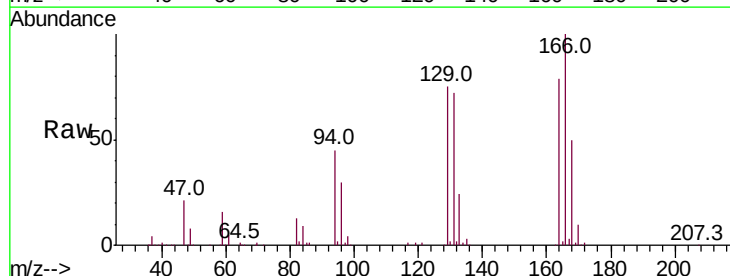
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

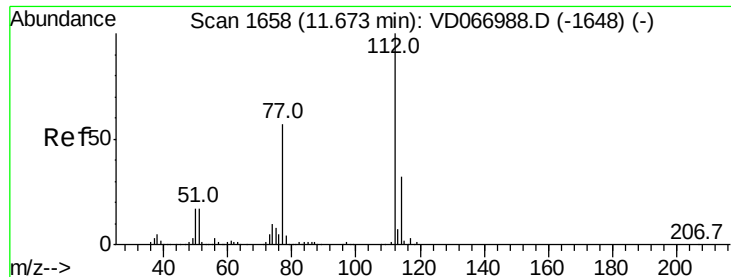
Tot Ion:117 Resp: 646987
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 31.2 26.3 39.5



#64
Tetrachloroethene
Concen: 46.565 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion:164 Resp: 219021
Ion Ratio Lower Upper
164 100
166 125.8 104.4 156.6
129 94.8 81.3 121.9
131 90.5 77.1 115.7

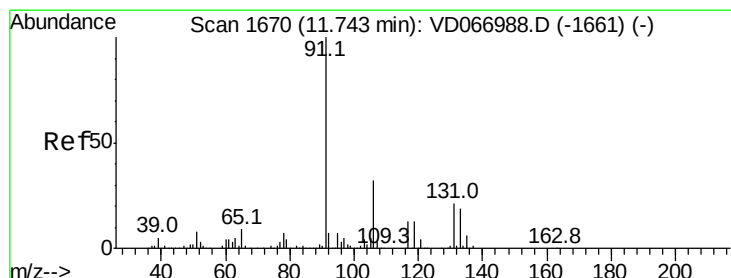
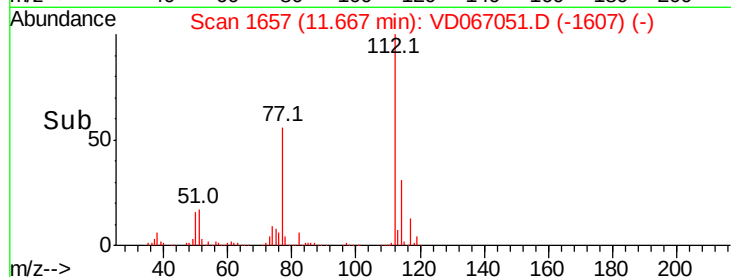
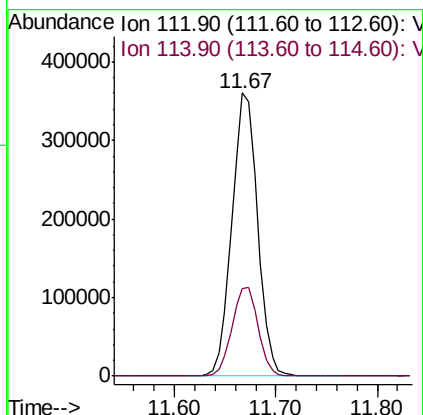
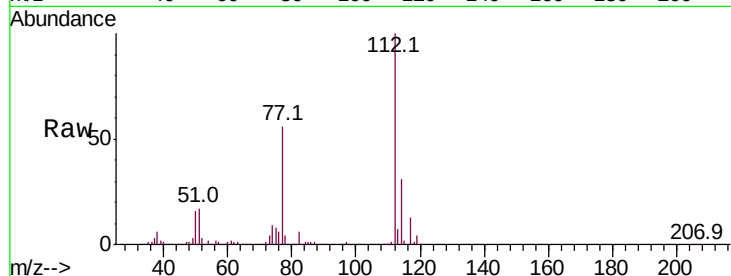




#65
Chlorobenzene
Concen: 49.217 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

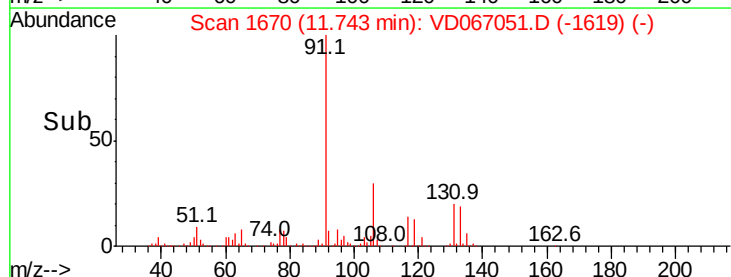
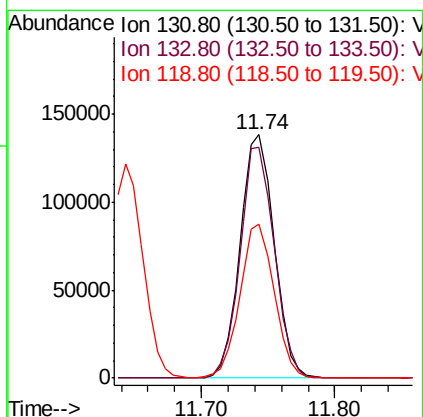
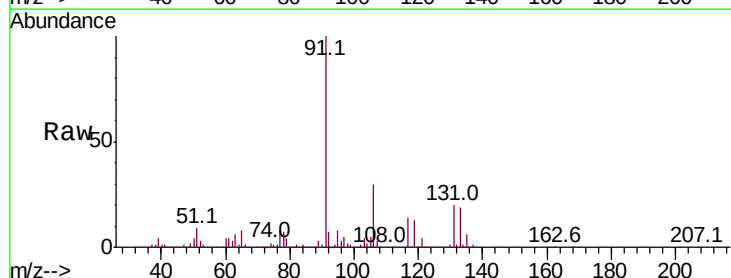
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

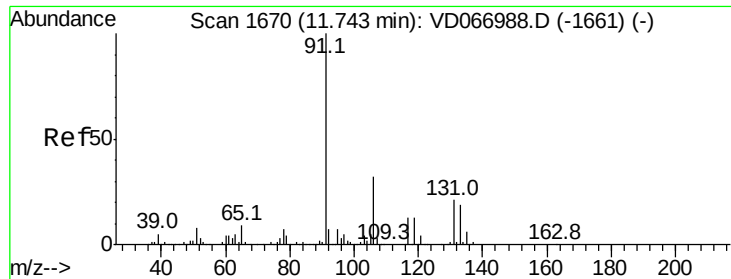
Tot Ion:112 Resp: 633312
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.754 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion:131 Resp: 243529
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 63.7 32.3 96.8

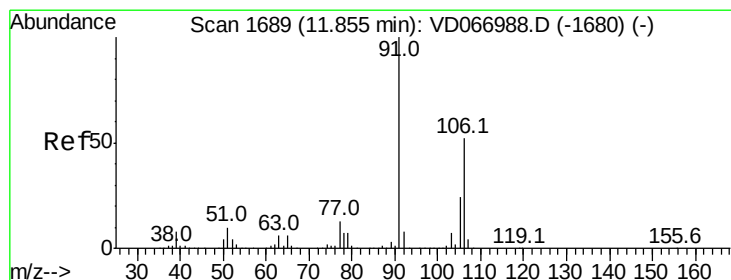
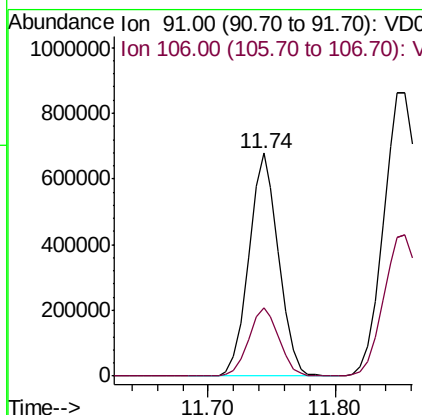
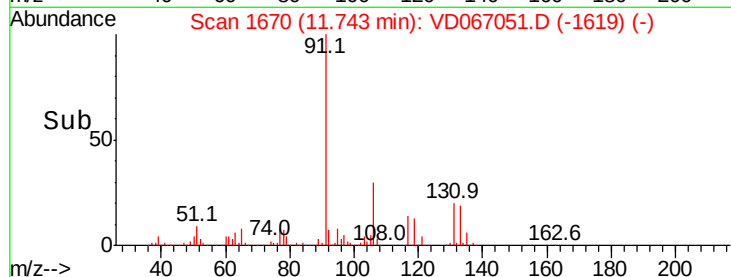
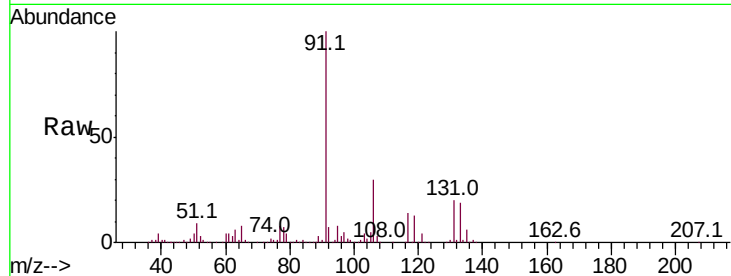




#67
Ethyl Benzene
Concen: 49.898 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

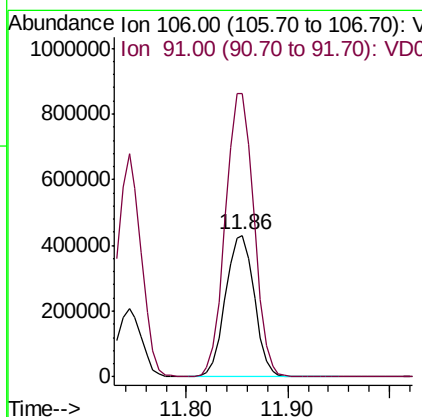
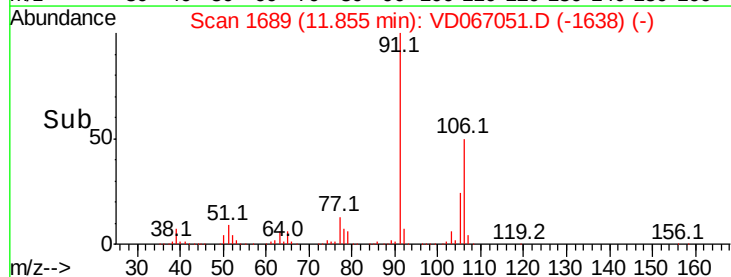
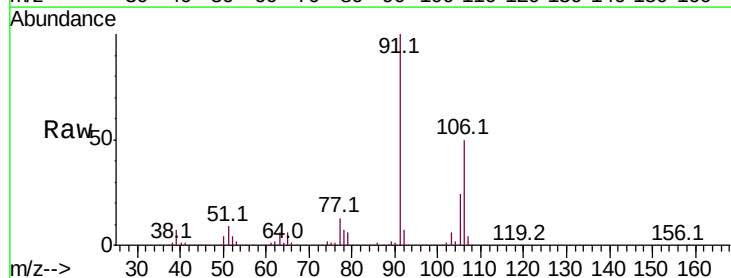
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

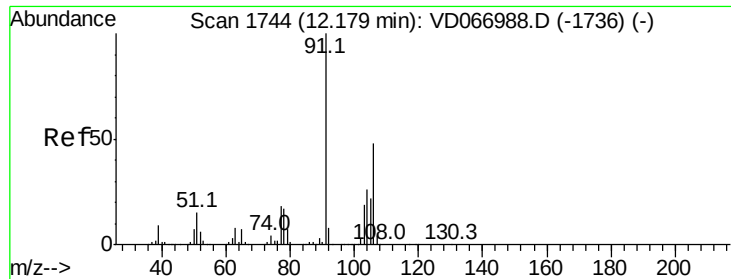
Tot Ion: 91 Resp: 1100137
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2



#68
m/p-Xylenes
Concen: 98.579 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 106 Resp: 847020
Ion Ratio Lower Upper
106 100
91 199.2 158.4 237.6

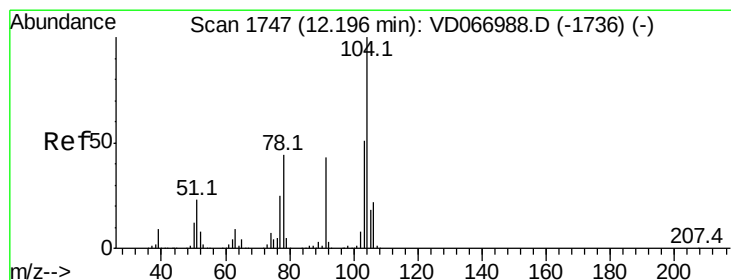
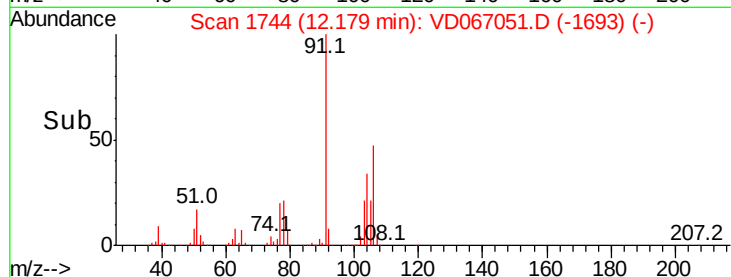
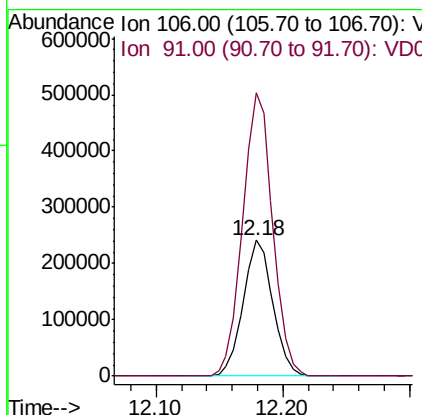
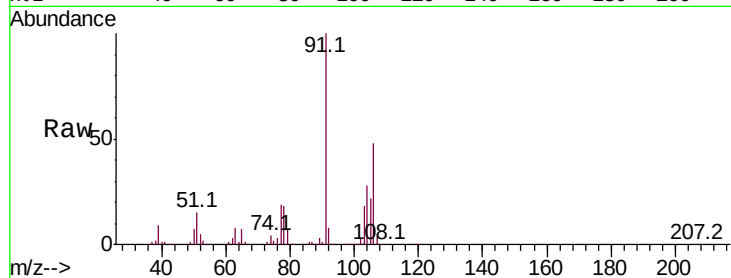




#69
o-Xylene
Concen: 51.200 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

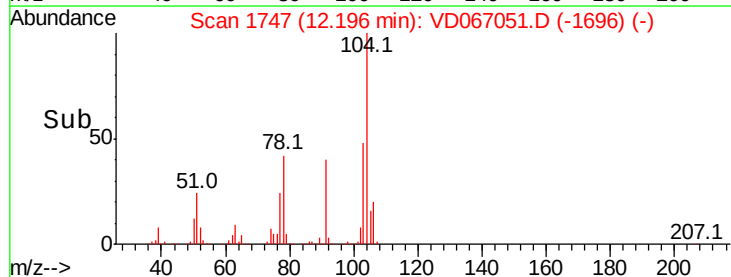
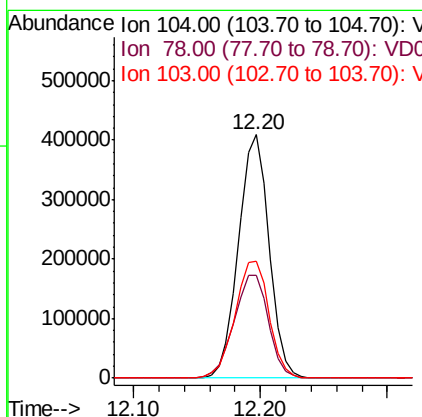
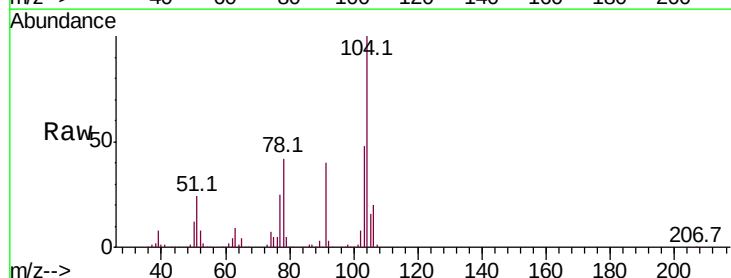
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

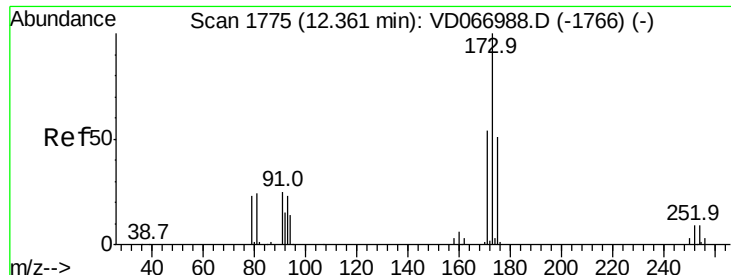
Tot Ion:106 Resp: 393403
Ion Ratio Lower Upper
106 100
91 209.8 102.4 307.2



#70
Styrene
Concen: 51.909 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion:104 Resp: 684891
Ion Ratio Lower Upper
104 100
78 47.6 38.6 58.0
103 53.5 43.4 65.0





#71

Bromoform

Concen: 51.848 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

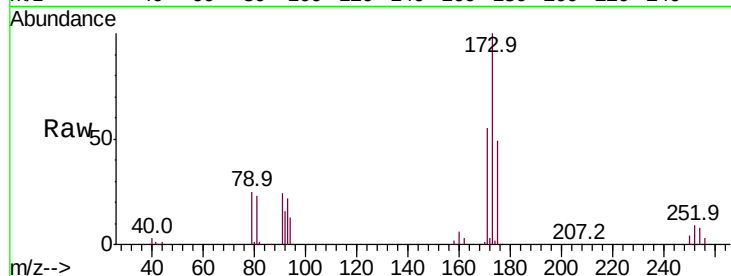
Tot Ion:173 Resp: 131733

Ion Ratio Lower Upper

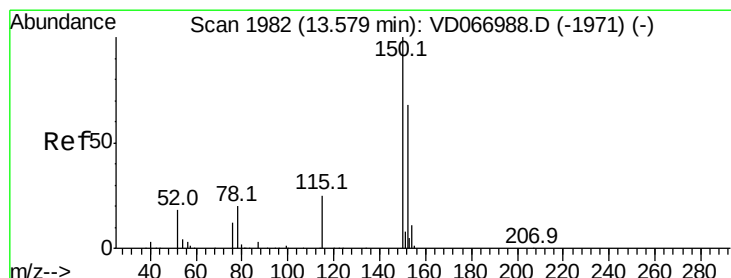
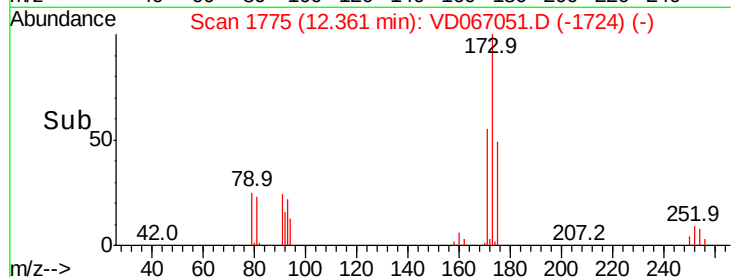
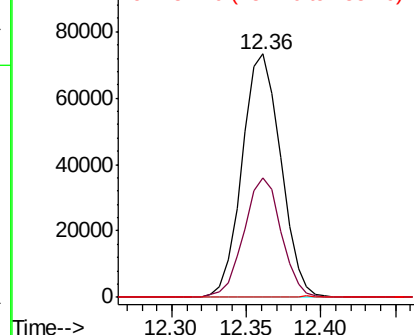
173 100

175 47.2 24.9 74.7

254 0.0 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

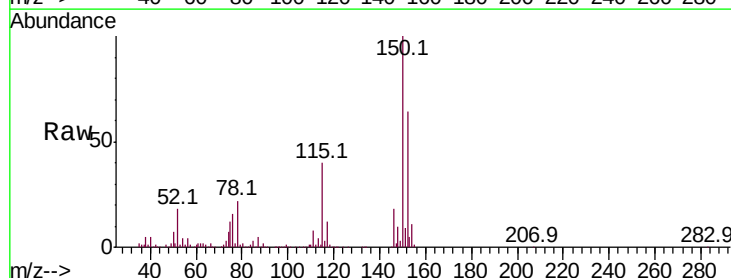
Tgt Ion:152 Resp: 311507

Ion Ratio Lower Upper

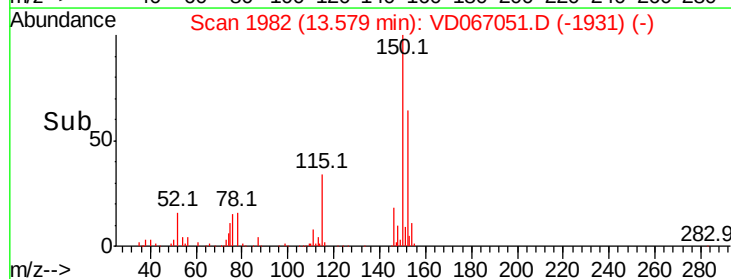
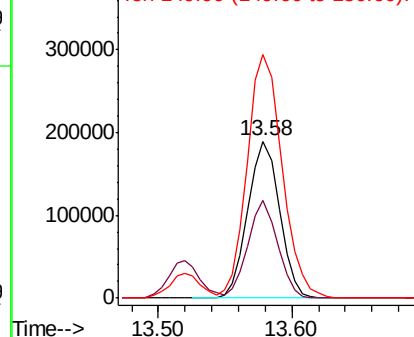
152 100

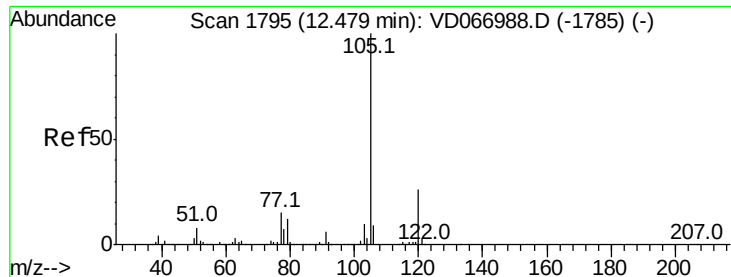
115 58.4 29.6 88.8

150 170.8 0.0 344.8



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





#73

Isopropylbenzene

Concen: 50.118 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

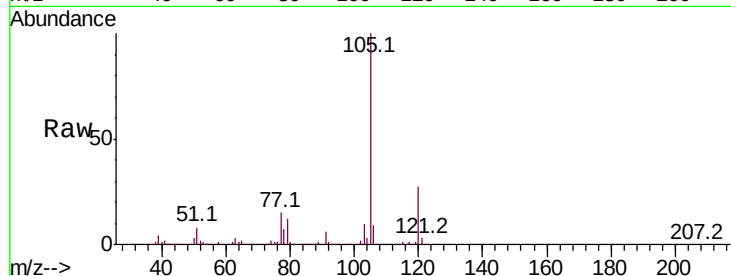
VSTDCCC050

Tot Ion:105 Resp: 1060092

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

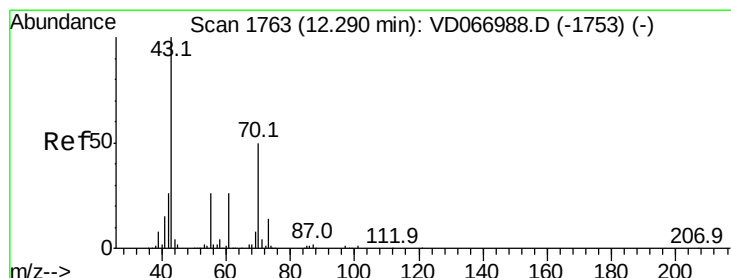
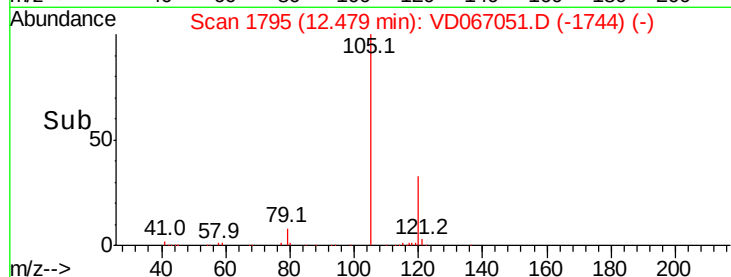
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.093 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Tgt Ion: 43 Resp: 198077

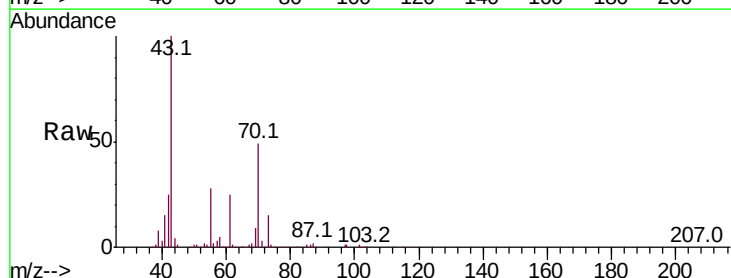
Ion Ratio Lower Upper

43 100

70 50.1 38.2 57.2

55 28.5 22.4 33.6

61 24.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

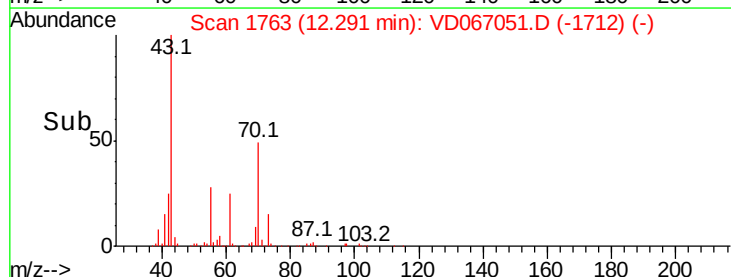
150000

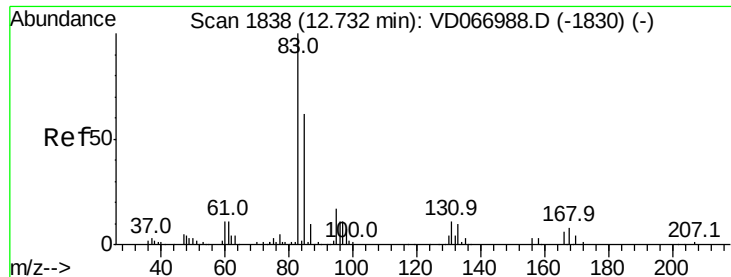
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.282 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

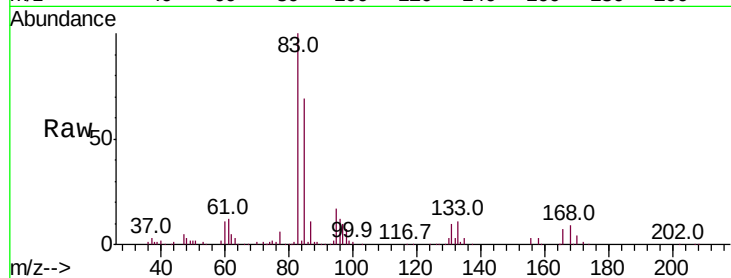
Tot Ion: 83 Resp: 179194

Ion Ratio Lower Upper

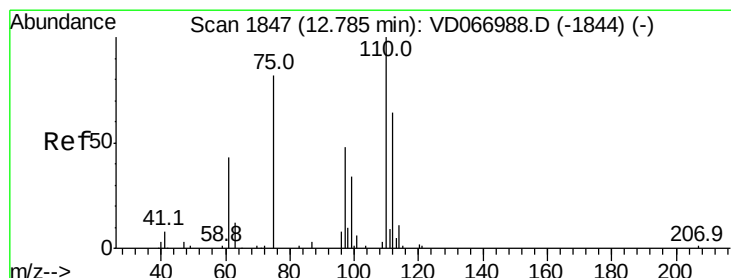
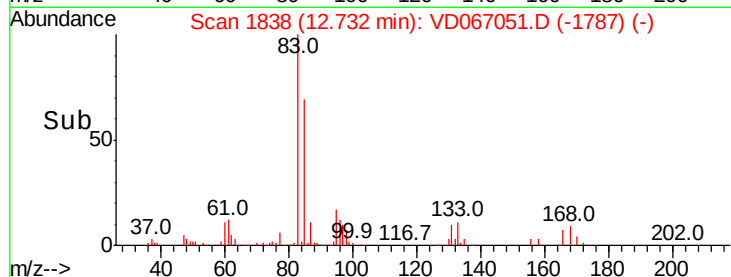
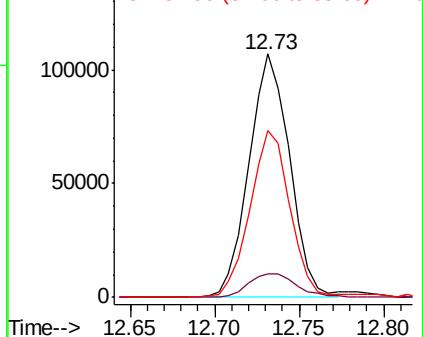
83 100

131 11.7 5.7 17.0

85 67.4 32.0 96.2



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



#76

1,2,3-Trichloropropane

Concen: 85.275 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD067051.D

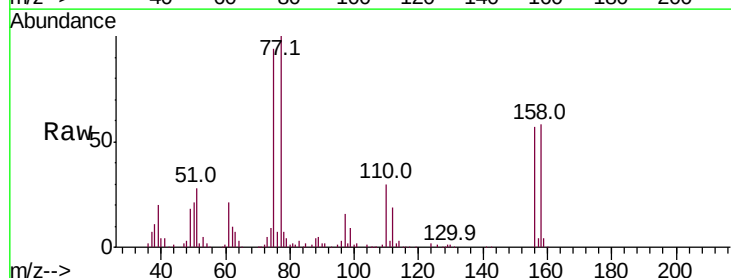
Acq: 02 Oct 2020 23:16

Tgt Ion: 75 Resp: 231380

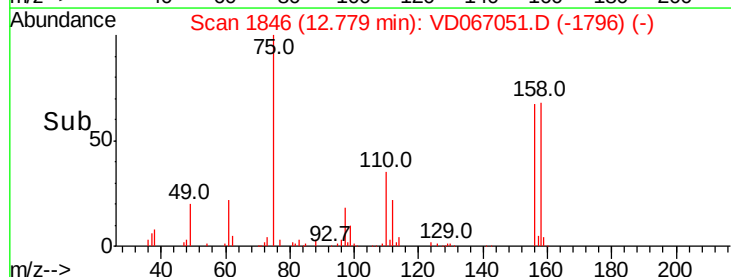
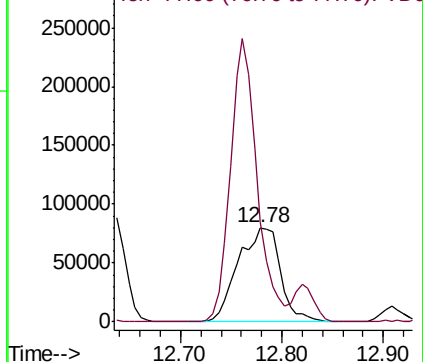
Ion Ratio Lower Upper

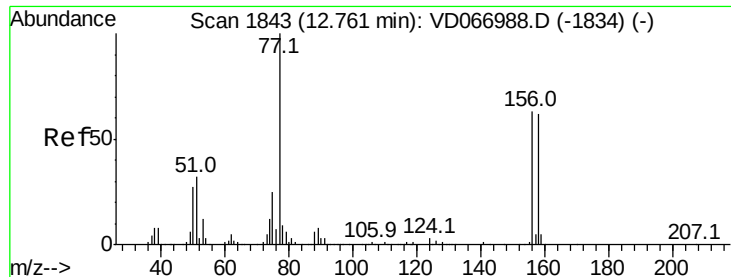
75 100

77 189.5 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: 50.334 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

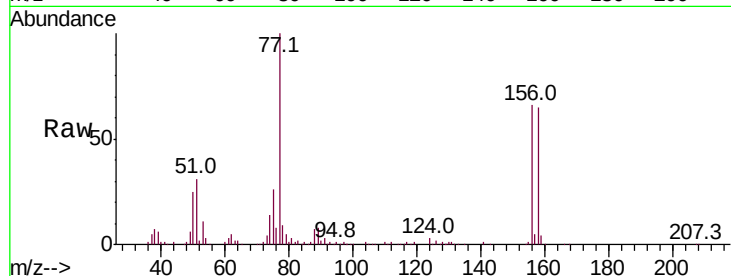
Tot Ion:156 Resp: 257076

Ion Ratio Lower Upper

156 100

77 170.6 86.3 258.8

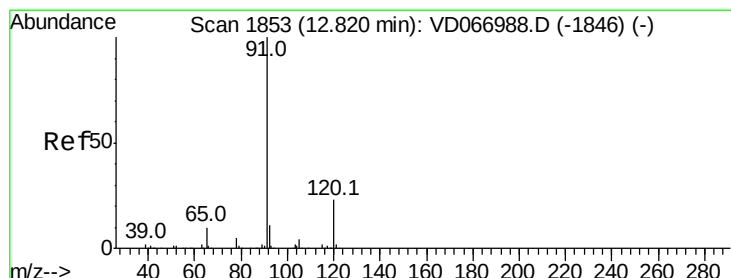
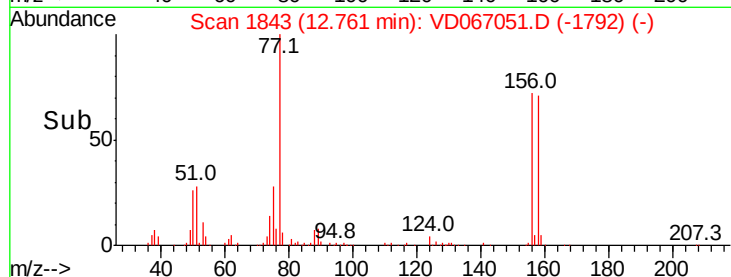
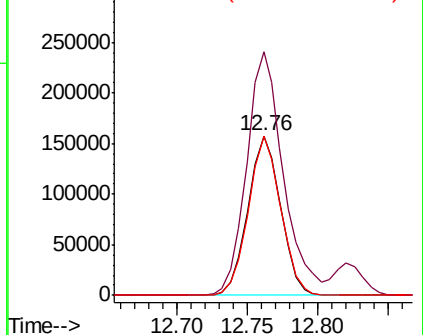
158 98.8 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): V

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 49.326 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067051.D

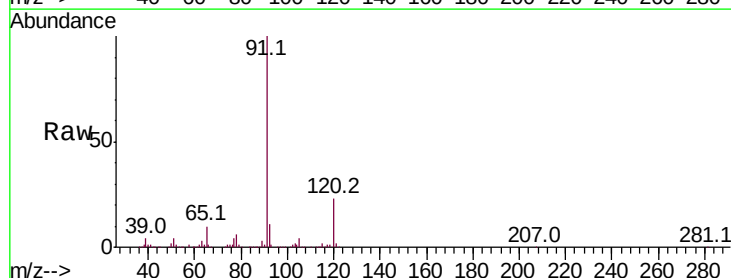
Acq: 02 Oct 2020 23:16

Tgt Ion: 91 Resp: 1233040

Ion Ratio Lower Upper

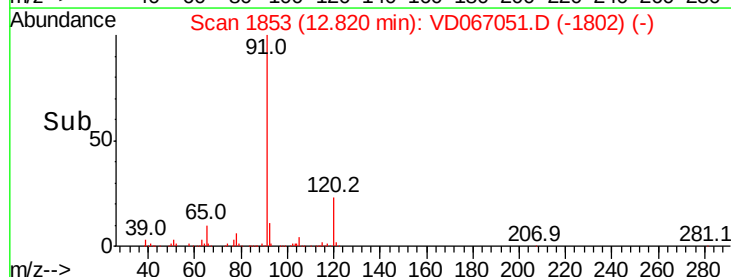
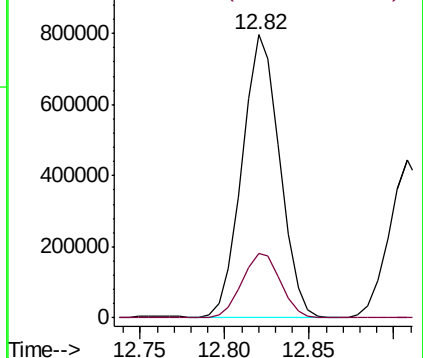
91 100

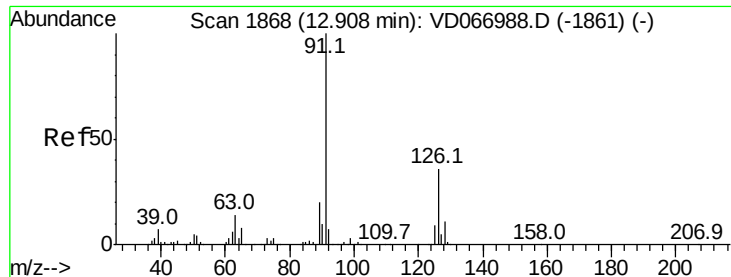
120 23.7 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.30): V

Ion 120.00 (119.70 to 120.30): V

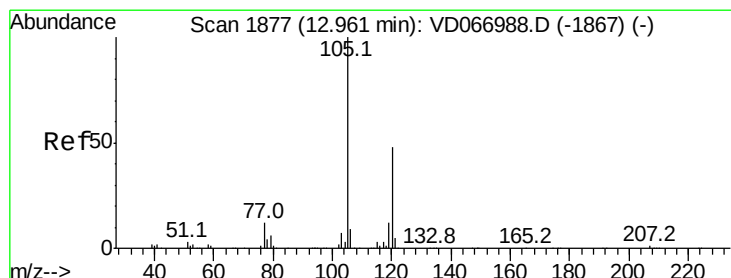
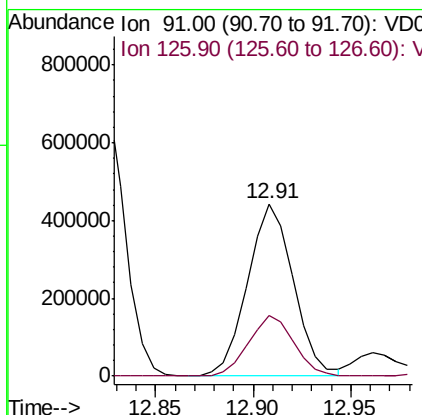
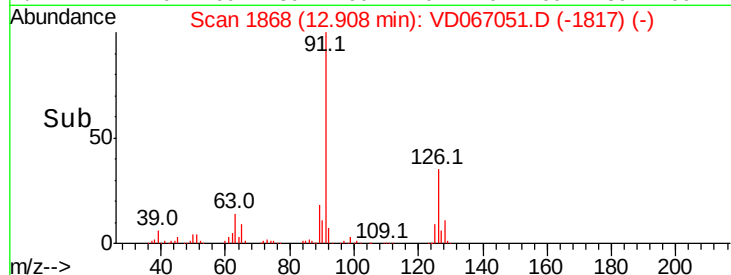
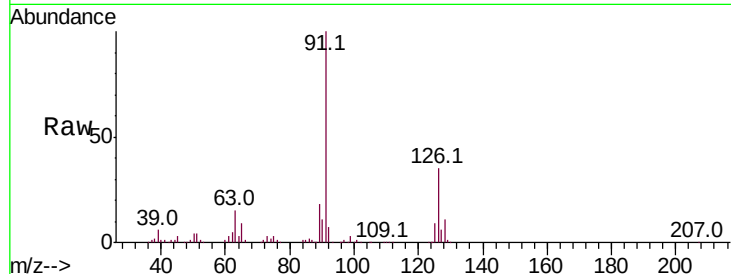




#79
 2-Chlorotoluene
 Concen: 50.231 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

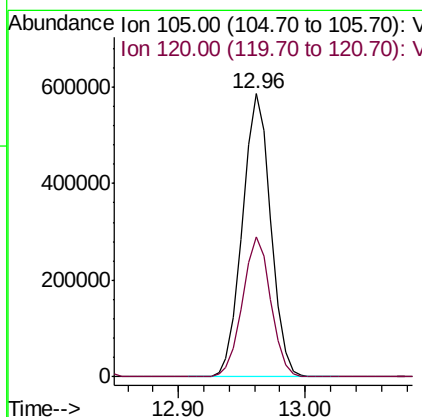
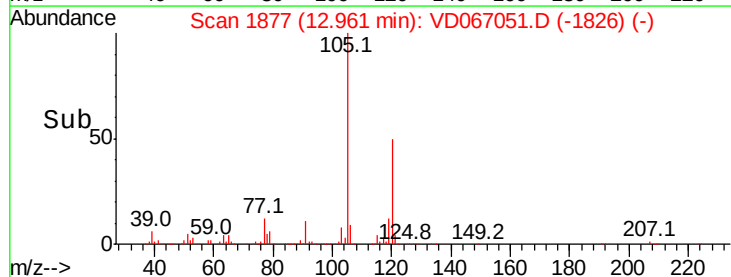
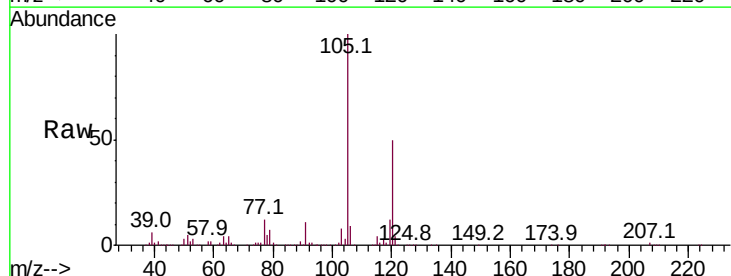
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

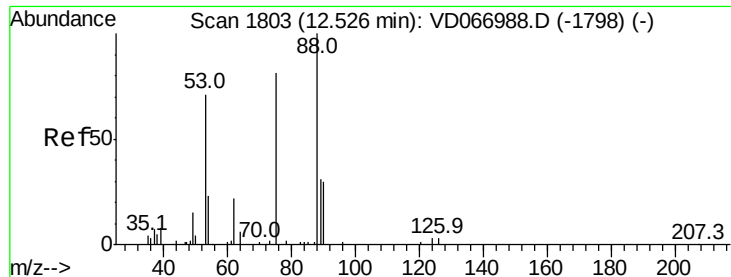
Tot Ion: 91 Resp: 718417
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 50.736 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion: 105 Resp: 906692
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.640 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

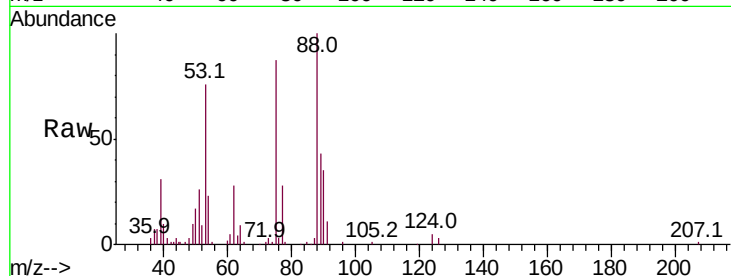
Tot Ion: 75 Resp: 54024

Ion Ratio Lower Upper

75 100

53 89.1 73.8 110.6

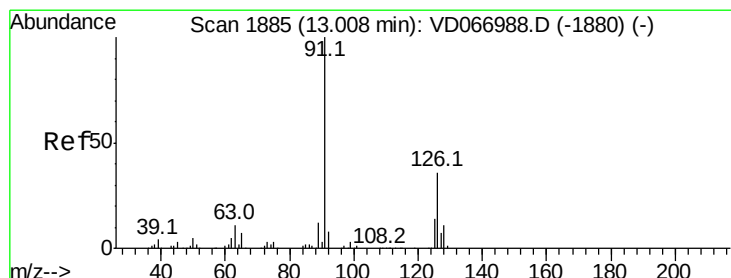
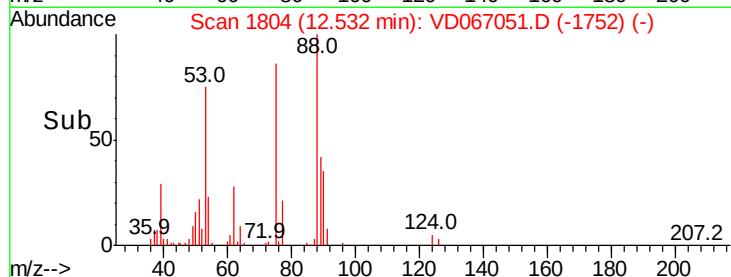
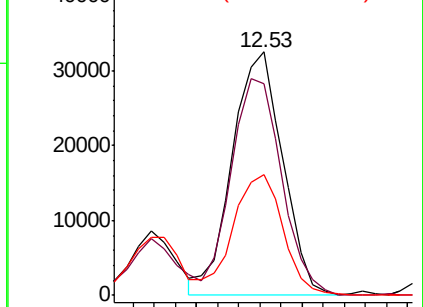
89 48.9 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.988 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067051.D

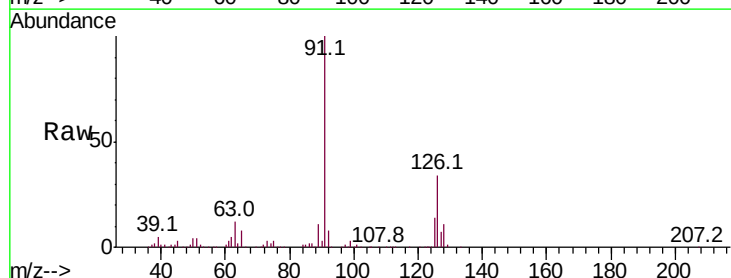
Acq: 02 Oct 2020 23:16

Tgt Ion: 91 Resp: 745451

Ion Ratio Lower Upper

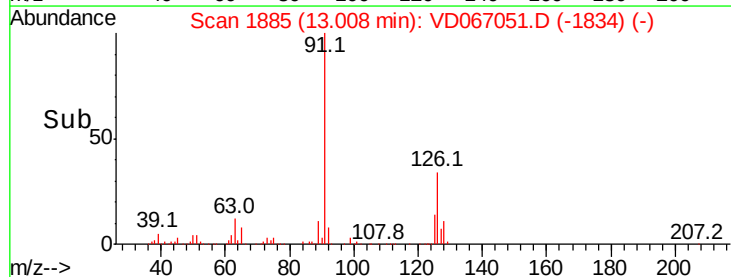
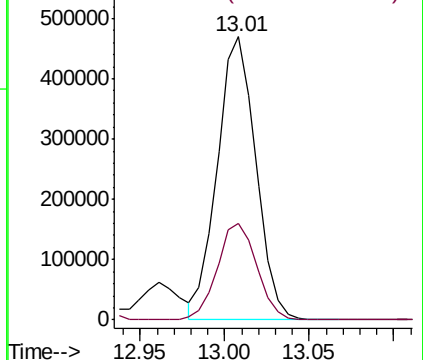
91 100

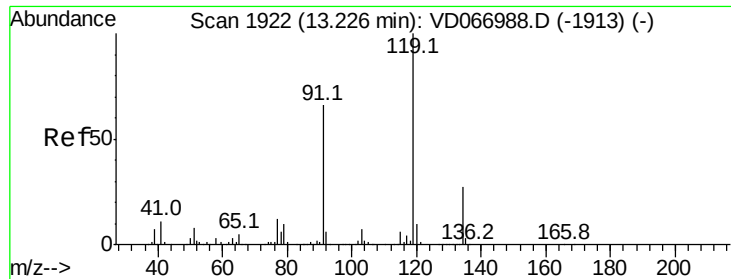
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

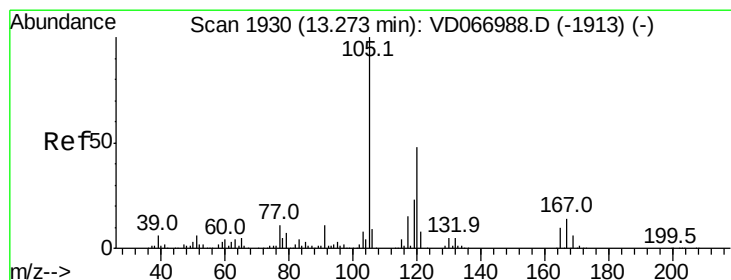
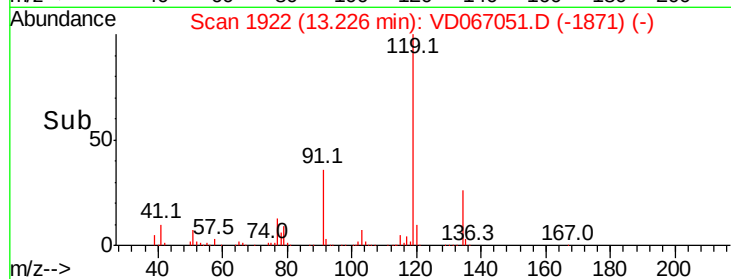
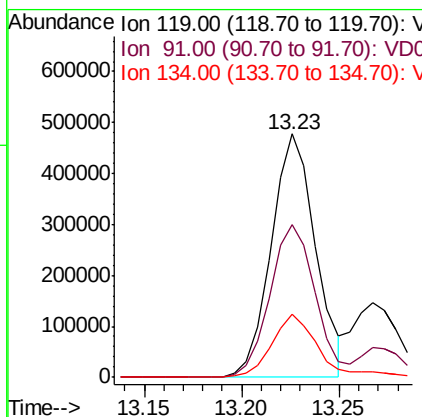
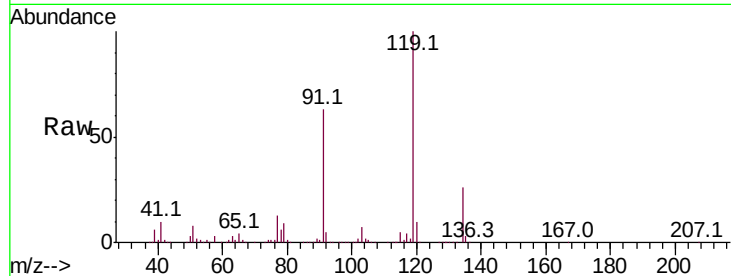




#83
 tert-Butylbenzene
 Concen: 49.879 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

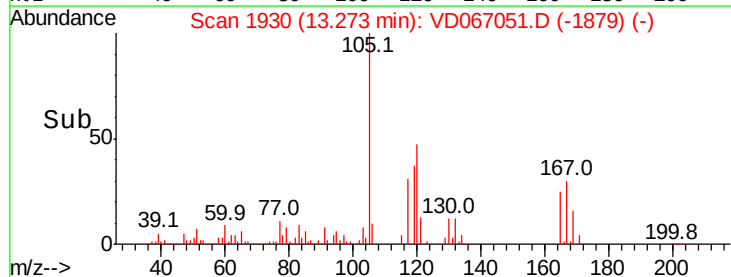
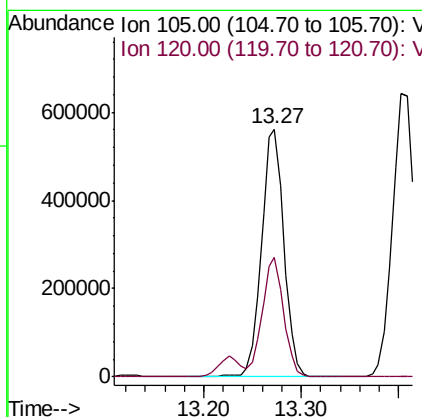
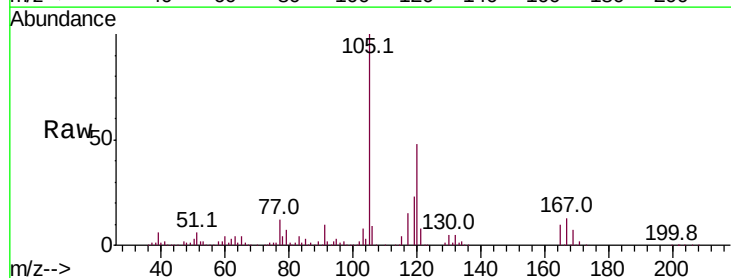
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

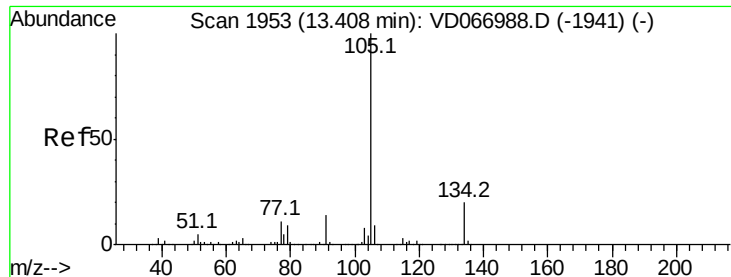
Tot Ion:119 Resp: 750629
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.8 98.3
 134 27.3 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.904 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion:105 Resp: 907840
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.036 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

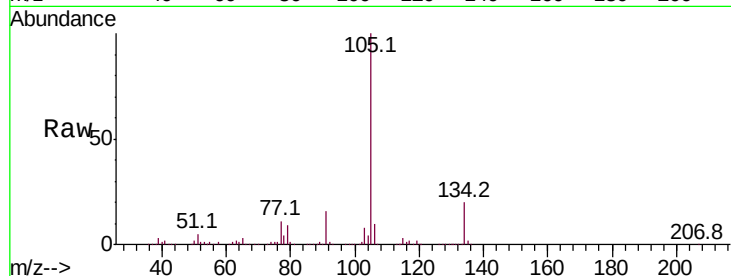
VSTDCCC050

Tot Ion:105 Resp: 1039211

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

600000

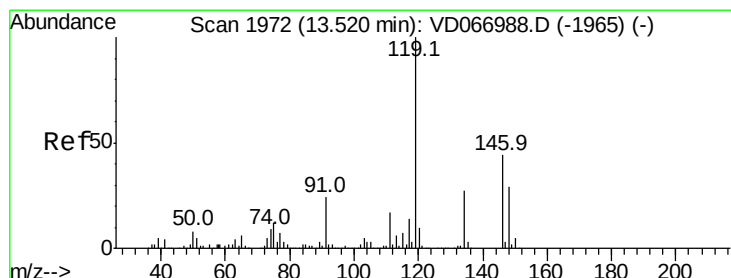
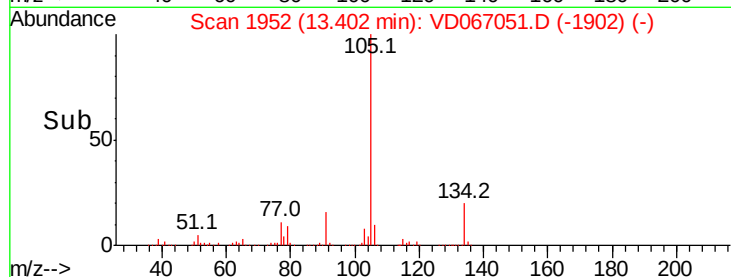
400000

200000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 49.784 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

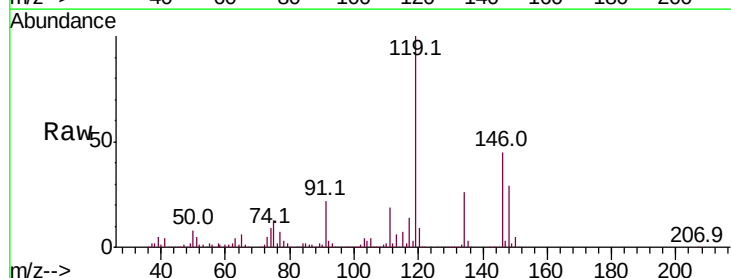
Tgt Ion:119 Resp: 978147

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 23.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

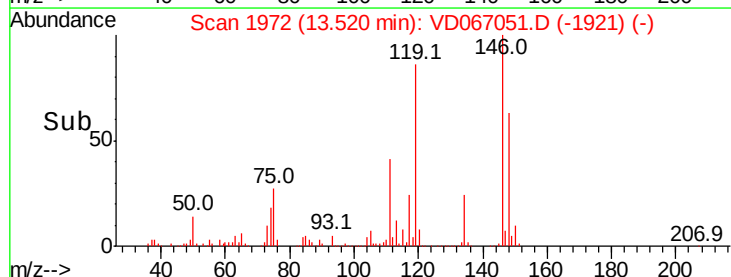
400000

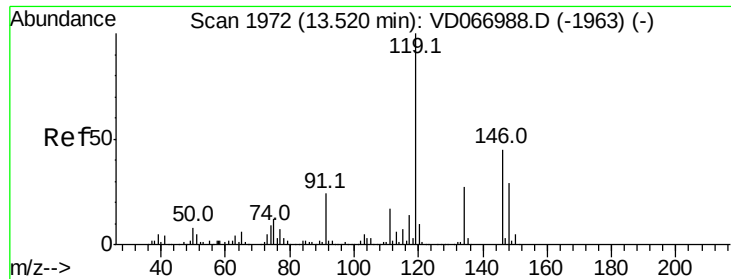
200000

0

13.45 13.50 13.55 13.60

Time-->

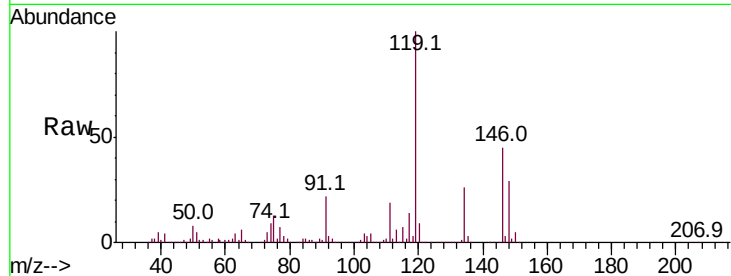




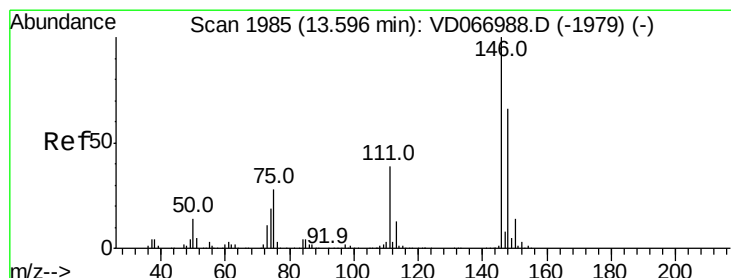
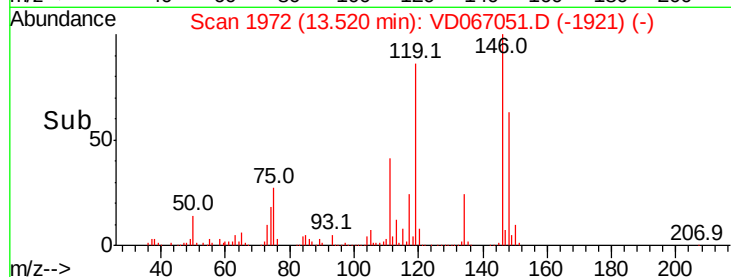
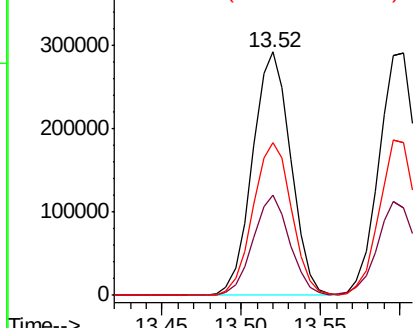
#87
 1,3-Dichlorobenzene
 Concen: 49.350 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 490943
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 63.2 31.9 95.9

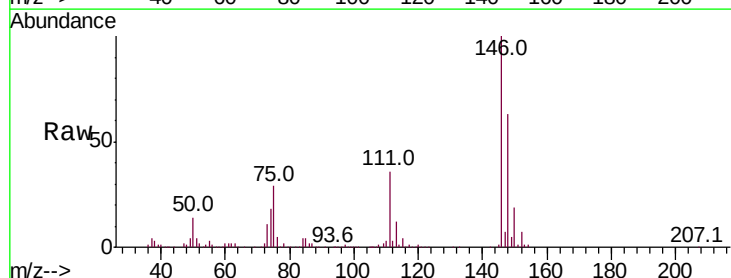


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

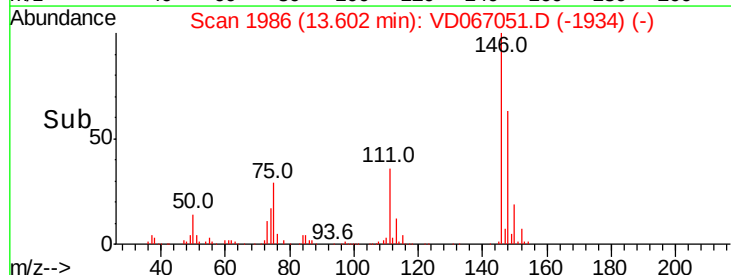
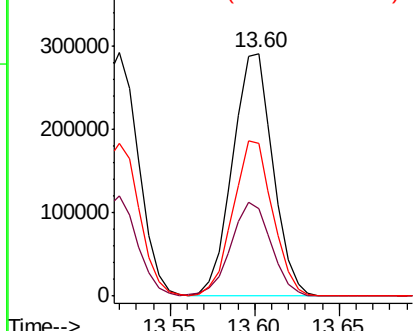


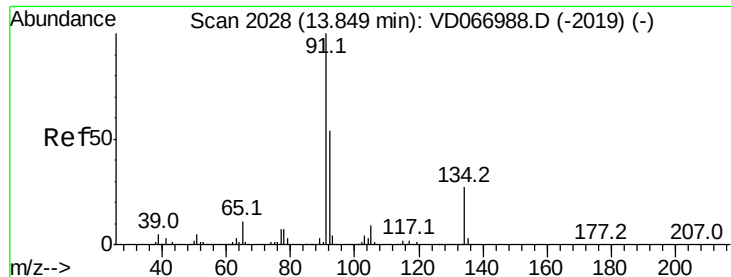
#88
 1,4-Dichlorobenzene
 Concen: 48.650 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion:146 Resp: 483930
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 63.2 32.6 97.7



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

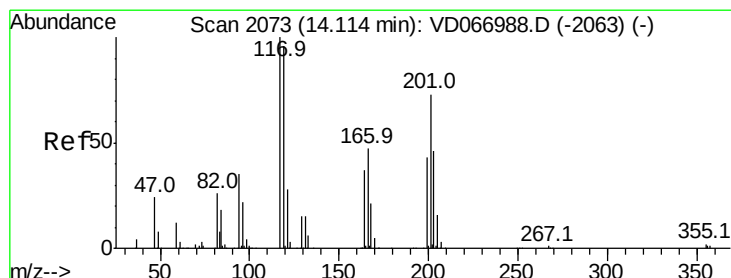
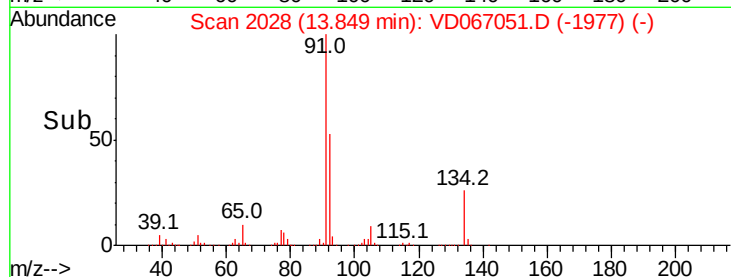
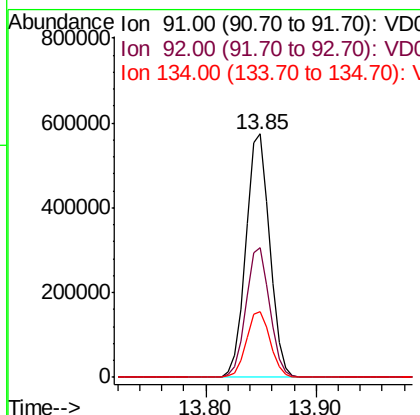
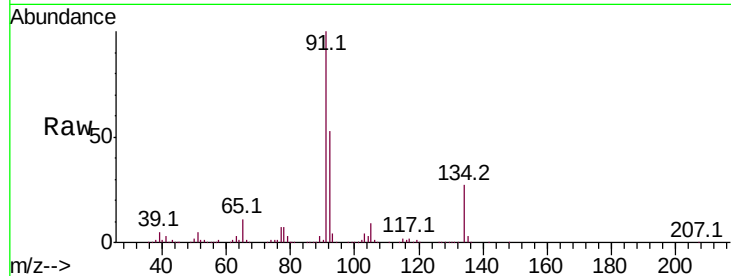




#89
n-Butylbenzene
Concen: 48.599 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

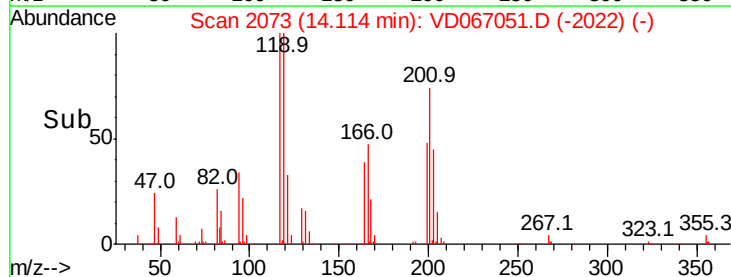
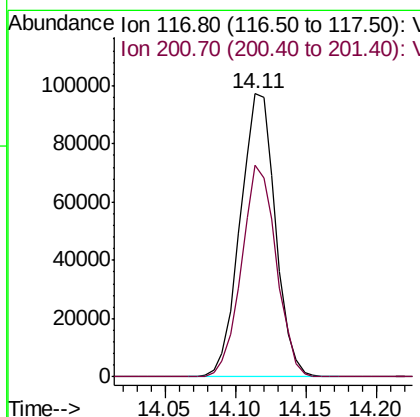
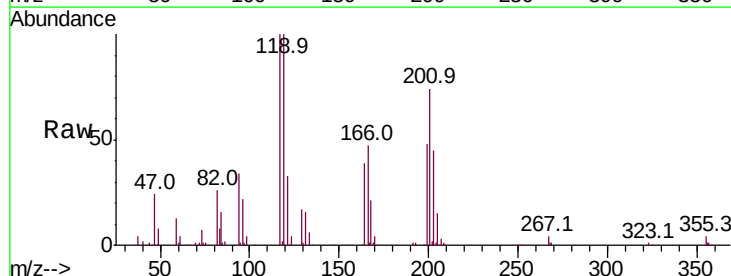
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

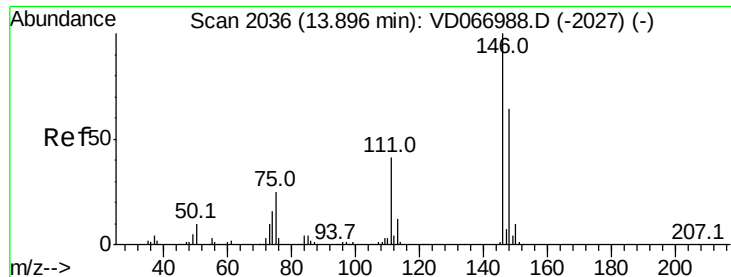
Tot Ion: 91 Resp: 872664
Ion Ratio Lower Upper
91 100
92 52.9 27.1 81.2
134 27.0 13.6 40.8



#90
Hexachloroethane
Concen: 49.310 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion: 117 Resp: 169710
Ion Ratio Lower Upper
117 100
201 73.6 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 50.134 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

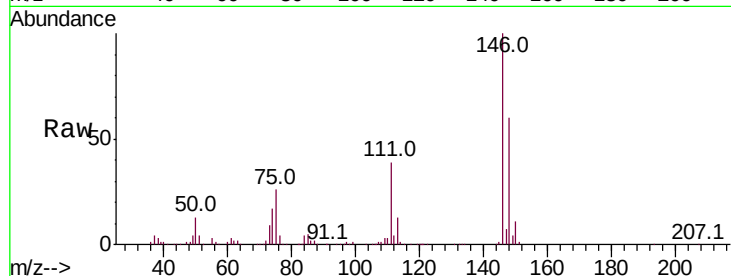
Tot Ion:146 Resp: 435578

Ion Ratio Lower Upper

146 100

111 41.4 20.9 62.7

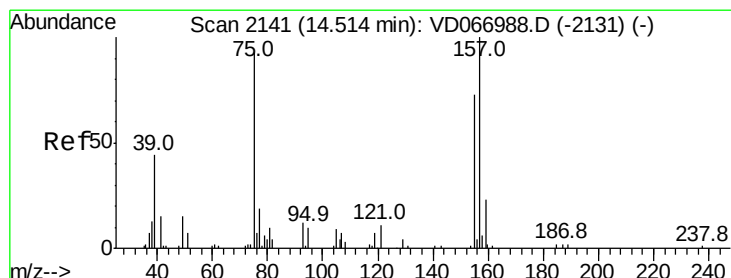
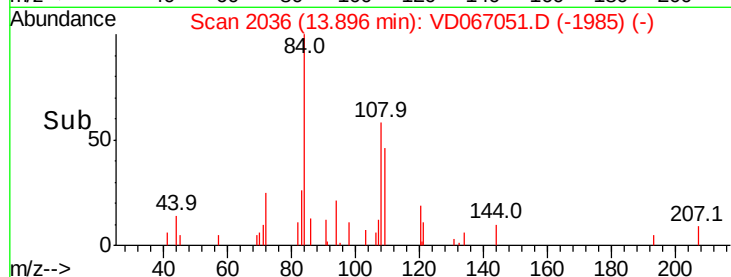
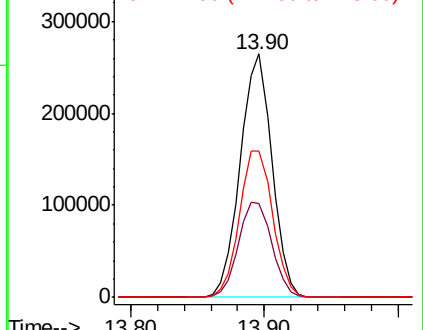
148 63.5 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.081 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067051.D

Acq: 02 Oct 2020 23:16

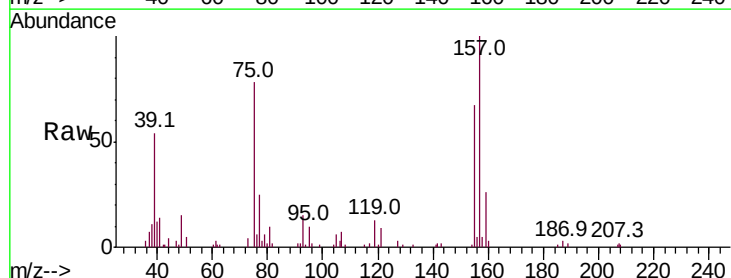
Tgt Ion: 75 Resp: 28770

Ion Ratio Lower Upper

75 100

155 88.2 45.2 135.6

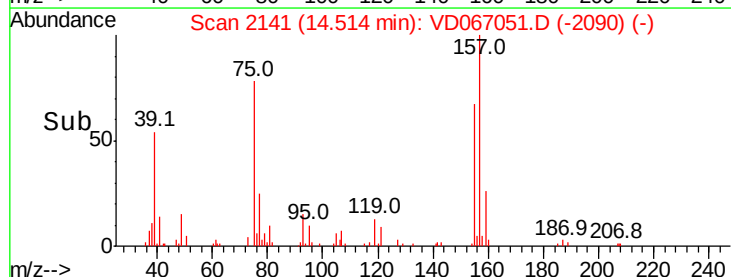
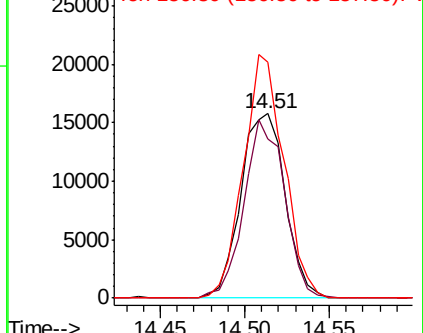
157 120.4 56.3 168.8

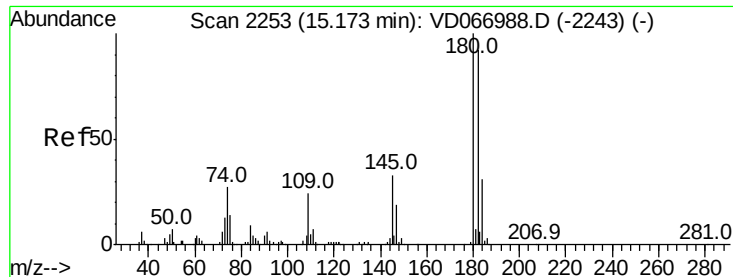


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

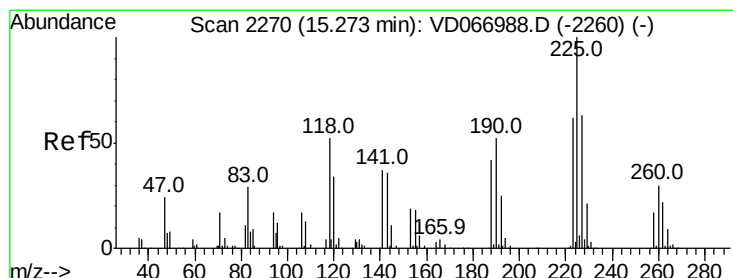
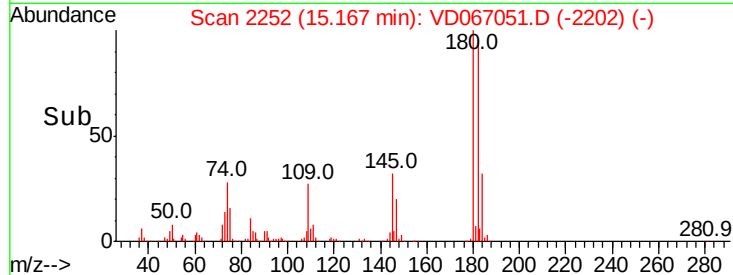
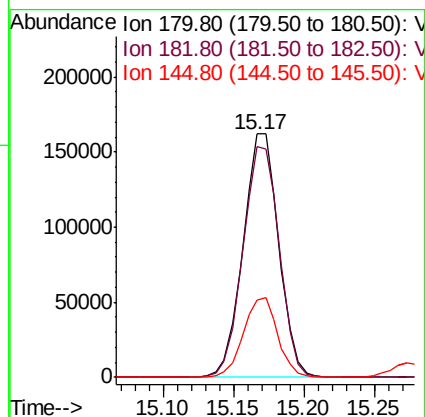
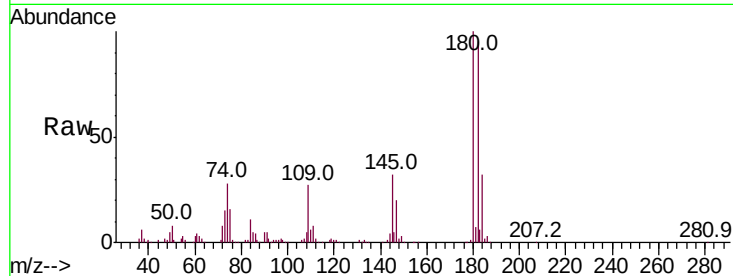




#93
 1,2,4-Trichlorobenzene
 Concen: 51.138 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

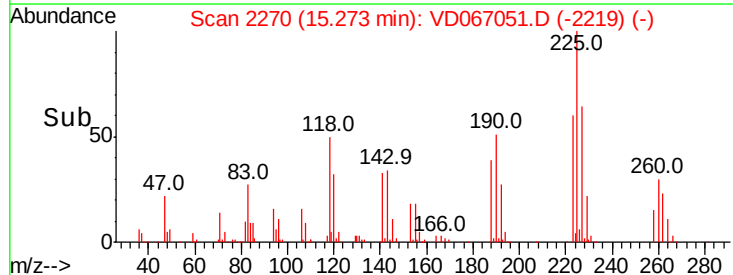
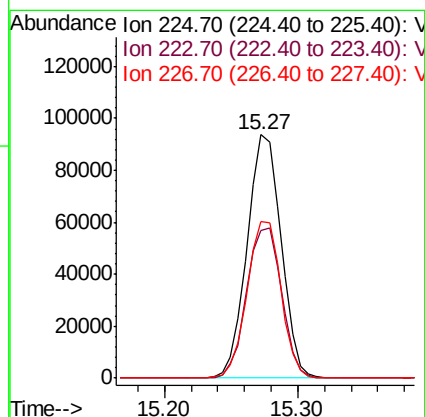
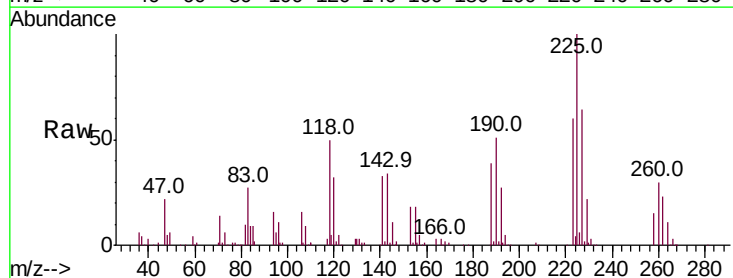
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

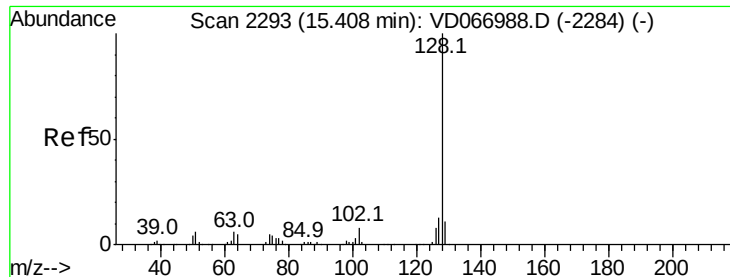
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	31.2	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 47.672 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067051.D
 Acq: 02 Oct 2020 23:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.4	97.0
227	64.1	31.6	95.0

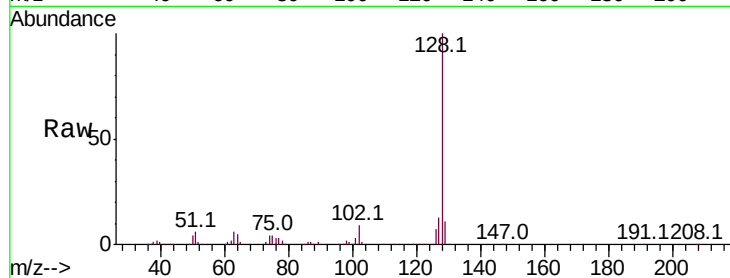




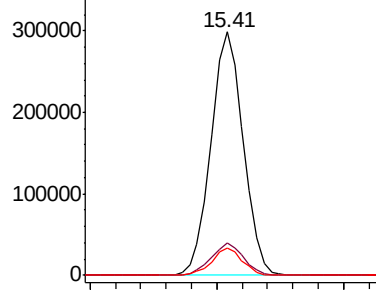
#95
Naphthalene
Concen: 56.350 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

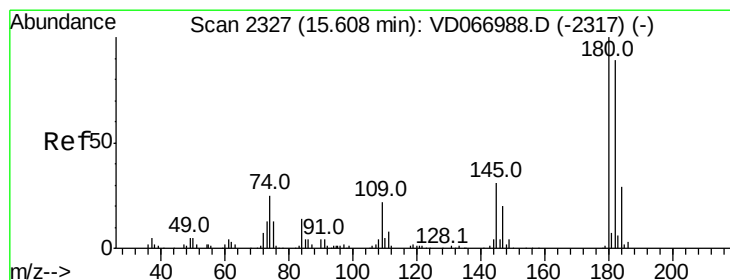
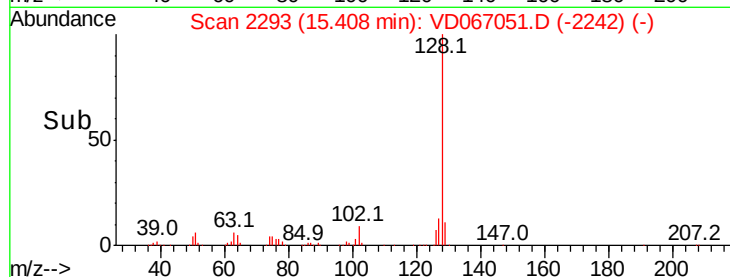
Tot Ion:128 Resp: 528206
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.5 8.6 13.0



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

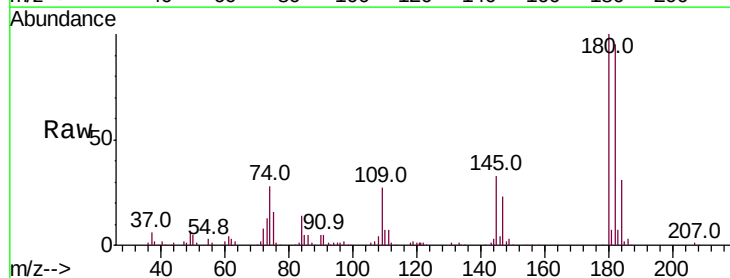


Time--> 15.30 15.40 15.50

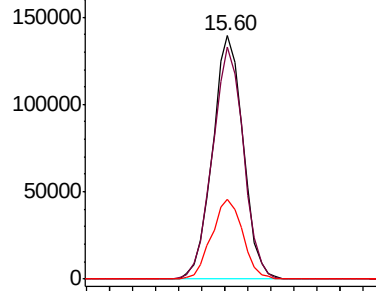


#96
1,2,3-Trichlorobenzene
Concen: 52.663 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067051.D
Acq: 02 Oct 2020 23:16

Tgt Ion:180 Resp: 256916
Ion Ratio Lower Upper
180 100
182 96.3 46.4 139.1
145 33.3 16.6 49.7



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



Time--> 15.50 15.60 15.70

