

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067461.D
 Acq On : 30 Oct 2020 09:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 30 12:07:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	306875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	440211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	403805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	210975	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	147285	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	7.91	113	150517	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.34	98	538692	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.64	95	193282	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	108375	43.421	ug/l	98
3) Chloromethane	2.21	50	77219	39.983	ug/l	99
4) Vinyl Chloride	2.36	62	94526	44.607	ug/l	91
5) Bromomethane	2.77	94	76674	52.095	ug/l	95
6) Chloroethane	2.93	64	60630	45.942	ug/l	98
7) Trichlorofluoromethane	3.28	101	263454	49.373	ug/l	96
8) Diethyl Ether	3.71	74	58164	47.636	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	142878	50.398	ug/l	99
10) Methyl Iodide	4.30	142	138759	53.059	ug/l	99
11) Tert butyl alcohol	5.21	59	35758	217.844	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	121630	48.024	ug/l	98
13) Acrolein	3.93	56	29332	167.464	ug/l	90
14) Allyl chloride	4.71	41	139744	48.181	ug/l	98
15) Acrylonitrile	5.42	53	102270	251.020	ug/l	100
16) Acetone	4.16	43	130440	302.945	ug/l	99
17) Carbon Disulfide	4.41	76	299061	41.420	ug/l	100
18) Methyl Acetate	4.72	43	50639	51.563	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	253172	50.272	ug/l	100
20) Methylene Chloride	4.96	84	144477	52.619	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	142789	48.991	ug/l	96
22) Diisopropyl ether	6.37	45	284292	53.657	ug/l	96
23) Vinyl Acetate	6.31	43	796499	264.236	ug/l	97
24) 1,1-Dichloroethane	6.27	63	236342	52.110	ug/l	98
25) 2-Butanone	7.21	43	126034	256.787	ug/l	91
26) 2,2-Dichloropropane	7.21	77	245527	52.521	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	165733	51.884	ug/l	98
28) Bromochloromethane	7.55	49	74917	48.428	ug/l #	99
29) Tetrahydrofuran	7.56	42	70040	256.715	ug/l	98
30) Chloroform	7.71	83	286168	52.818	ug/l	91
31) Cyclohexane	7.99	56	160257	45.256	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	284447	53.508	ug/l	99
36) 1,1-Dichloropropene	8.11	75	196023	52.538	ug/l	98
37) Ethyl Acetate	7.30	43	53840	49.046	ug/l #	89
38) Carbon Tetrachloride	8.10	117	264864	55.543	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	204865	52.522	ug/l	98
40) Benzene	8.36	78	560423	54.751	ug/l	99
41) Methacrylonitrile	7.53	41	26091	43.983	ug/l	95
42) 1,2-Dichloroethane	8.43	62	171294	53.475	ug/l	100
43) Isopropyl Acetate	8.46	43	108359	49.747	ug/l	96
44) Trichloroethene	9.12	130	177234	54.080	ug/l	99
45) 1,2-Dichloropropane	9.40	63	130420	54.978	ug/l	100
46) Dibromomethane	9.48	93	78436	53.068	ug/l	97
47) Bromodichloromethane	9.67	83	221700	55.986	ug/l	97
48) Methyl methacrylate	9.46	41	54524	51.508	ug/l	98
49) 1,4-Dioxane	9.46	88	15491	1085.641	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	283331	260.791	ug/l	99
52) Toluene	10.41	92	385661	55.319	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	192556	55.354	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	220486	54.159	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	109009	54.086	ug/l	95
56) Ethyl methacrylate	10.67	69	114956	54.996	ug/l	97
57) 1,3-Dichloropropane	10.95	76	173236	54.010	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	274604	256.087	ug/l	98
59) 2-Hexanone	10.99	43	211806	285.302	ug/l	98
60) Dibromochloromethane	11.14	129	162624	55.328	ug/l	100
61) 1,2-Dibromoethane	11.26	107	107525	54.115	ug/l	99
64) Tetrachloroethene	10.88	164	153038	52.308	ug/l	96
65) Chlorobenzene	11.67	112	427718	55.236	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	176636	57.395	ug/l	98
67) Ethyl Benzene	11.75	91	749949	56.499	ug/l	100
68) m/p-Xylenes	11.86	106	583384	114.132	ug/l	99
69) o-Xylene	12.18	106	260600	55.057	ug/l	100
70) Styrene	12.20	104	465071	57.078	ug/l	99
71) Bromoform	12.37	173	89233	53.971	ug/l #	97
73) Isopropylbenzene	12.48	105	763639	57.031	ug/l	99
74) N-amyl acetate	12.30	43	100026	49.461	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	102710	50.062	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	143839	98.368	ug/l #	100
77) Bromobenzene	12.77	156	181526	54.378	ug/l	100
78) n-propylbenzene	12.83	91	867672	55.929	ug/l	100
79) 2-Chlorotoluene	12.91	91	498596	55.419	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	665747	57.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34430	53.395	ug/l	92
82) 4-Chlorotoluene	13.01	91	526416	55.129	ug/l	99
83) tert-Butylbenzene	13.23	119	563966	57.379	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	654772	56.935	ug/l	100
85) sec-Butylbenzene	13.41	105	766267	56.817	ug/l	100
86) p-Isopropyltoluene	13.52	119	723396	56.827	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	348054	54.169	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	347179	54.537	ug/l	100
89) n-Butylbenzene	13.85	91	636483	56.835	ug/l	100
90) Hexachloroethane	14.12	117	124808	56.185	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	304145	54.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18835	50.534	ug/l	95

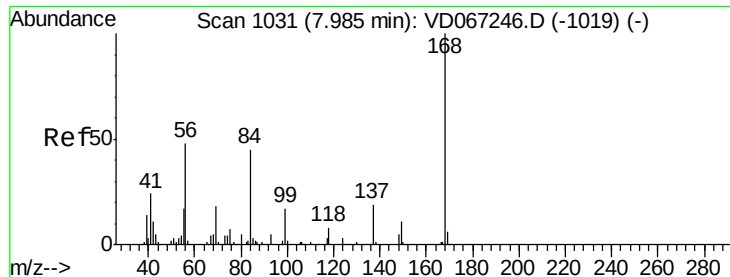
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103020\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	217535	57.481	ug/l	99
94) Hexachlorobutadiene	15.27	225	137404	58.467	ug/l	99
95) Naphthalene	15.41	128	338496	54.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	183102	56.004	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

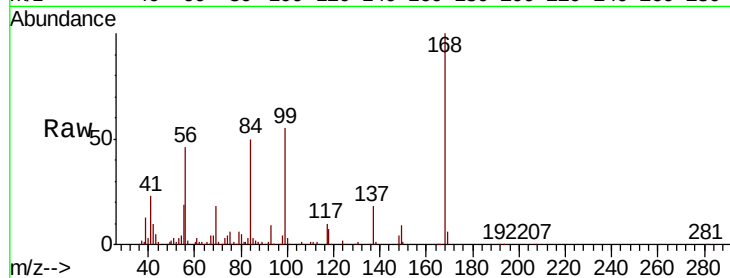
VSTDCCC050

Tot Ion:168 Resp: 306875

Ion Ratio Lower Upper

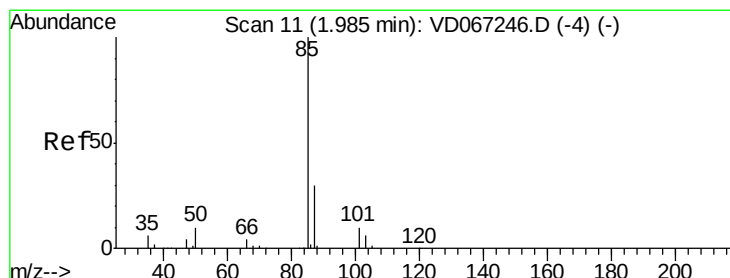
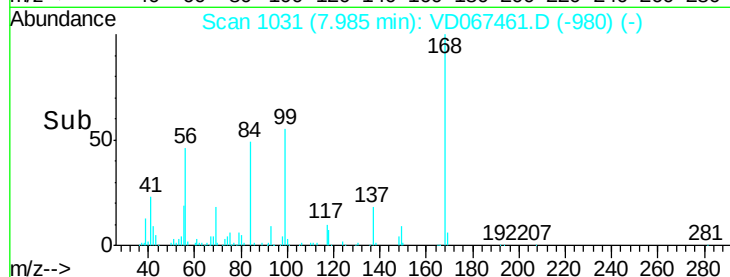
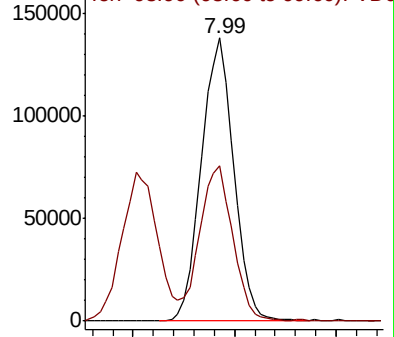
168 100

99 54.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.421 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067461.D

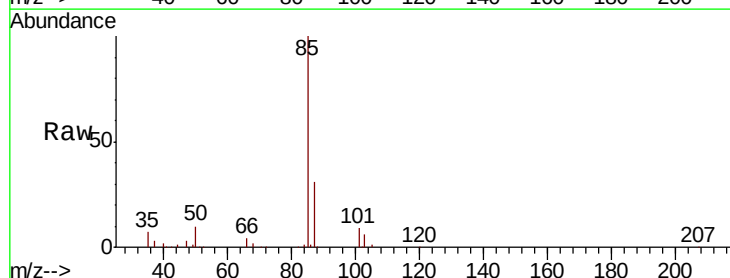
Acq: 30 Oct 2020 09:43

Tgt Ion: 85 Resp: 108375

Ion Ratio Lower Upper

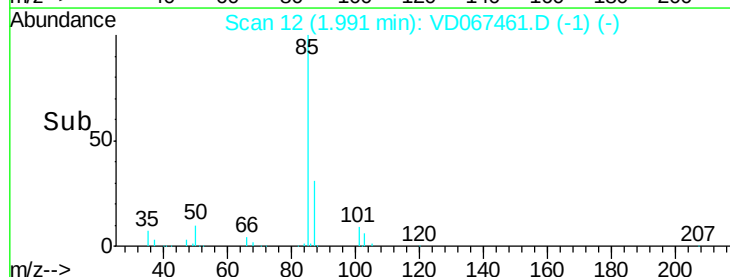
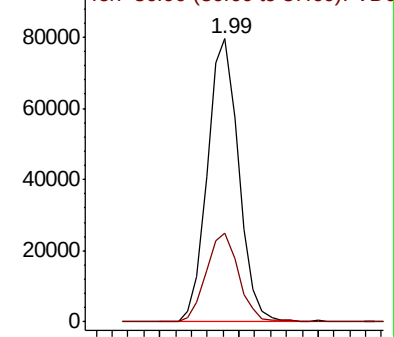
85 100

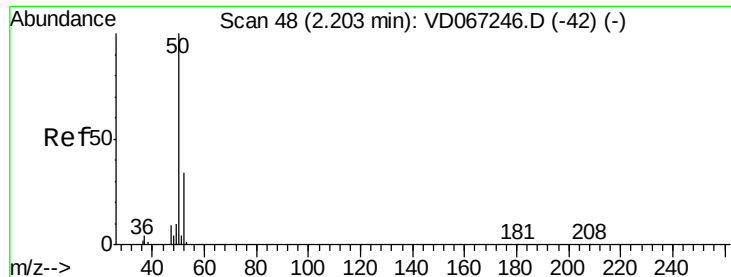
87 31.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.983 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

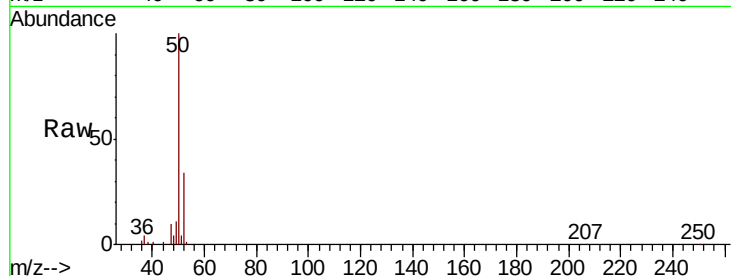
VSTDCCC050

Tot Ion: 50 Resp: 77219

Ion Ratio Lower Upper

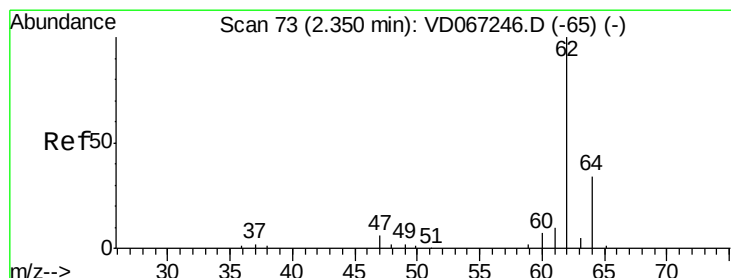
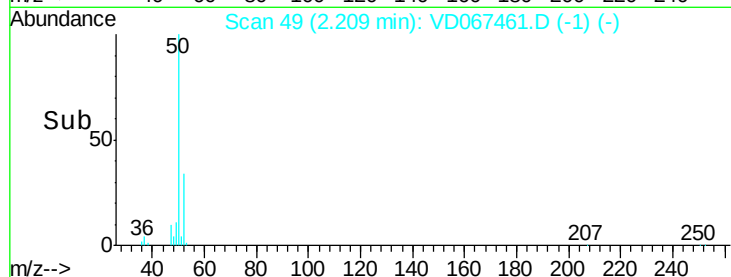
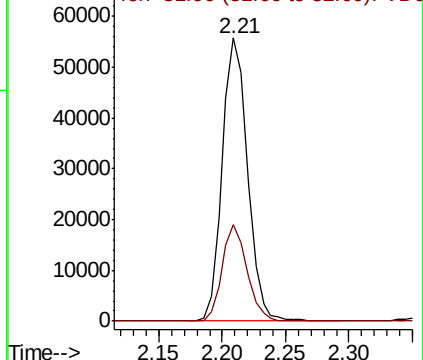
50 100

52 34.2 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.607 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067461.D

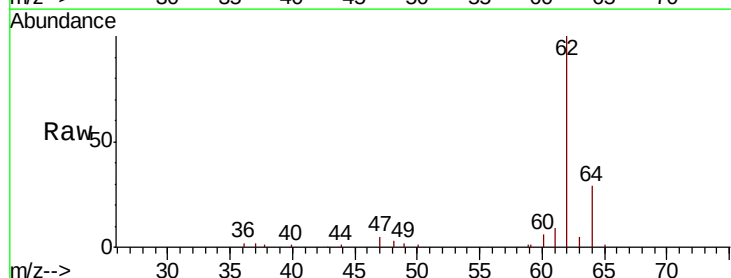
Acq: 30 Oct 2020 09:43

Tgt Ion: 62 Resp: 94526

Ion Ratio Lower Upper

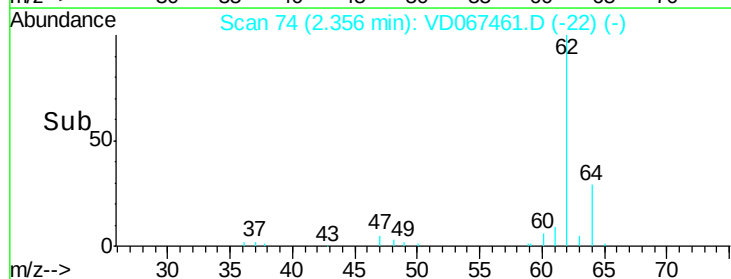
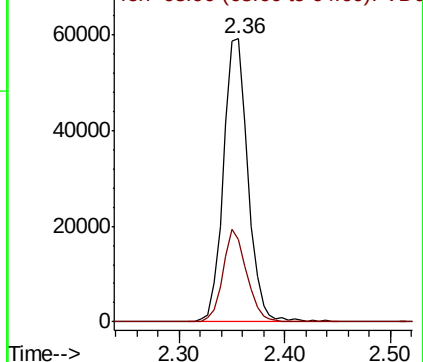
62 100

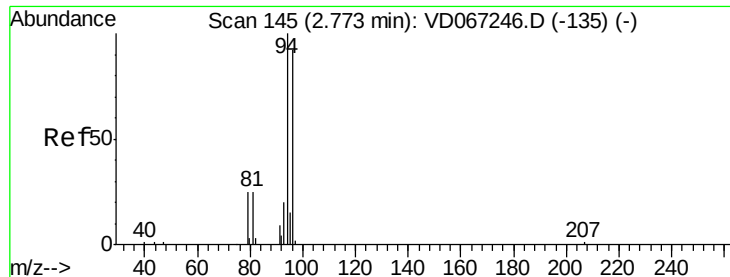
64 28.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.095 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

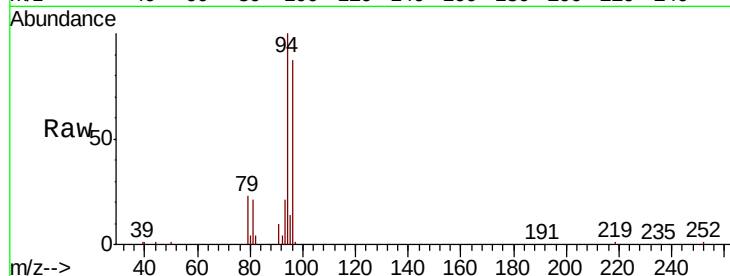
VSTDCCC050

Tot Ion: 94 Resp: 76674

Ion Ratio Lower Upper

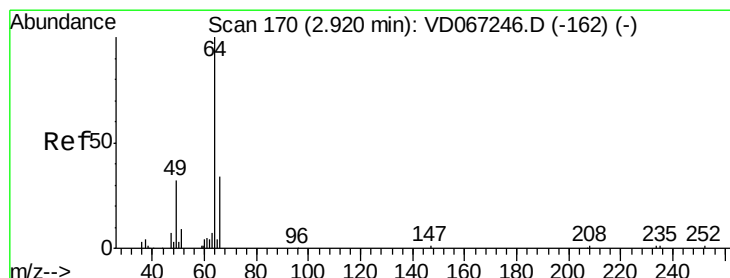
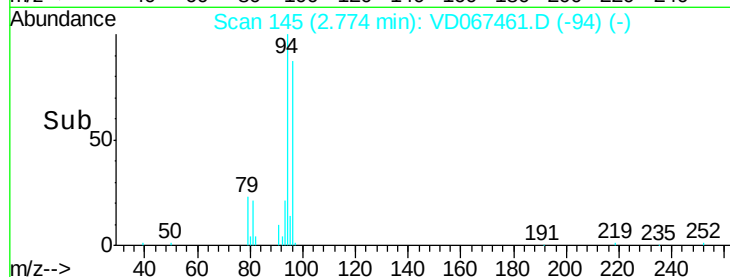
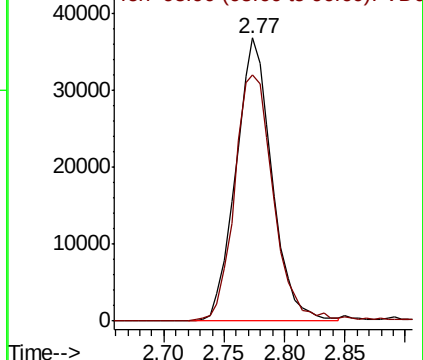
94 100

96 87.2 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.942 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067461.D

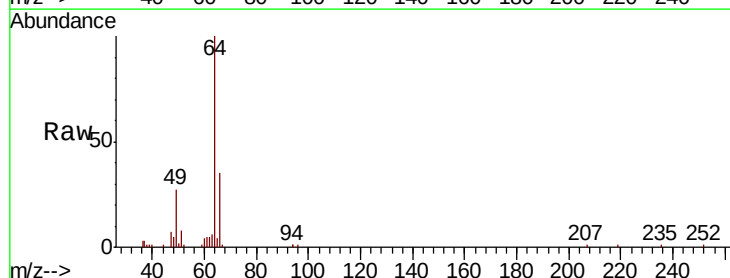
Acq: 30 Oct 2020 09:43

Tgt Ion: 64 Resp: 60630

Ion Ratio Lower Upper

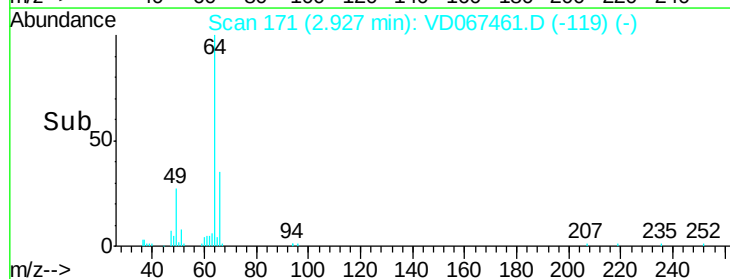
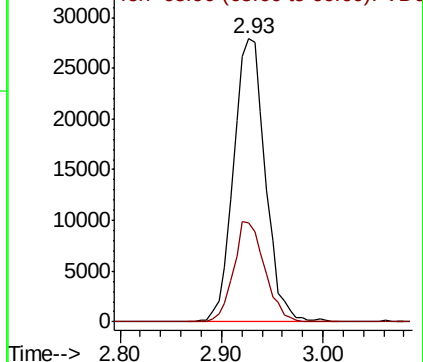
64 100

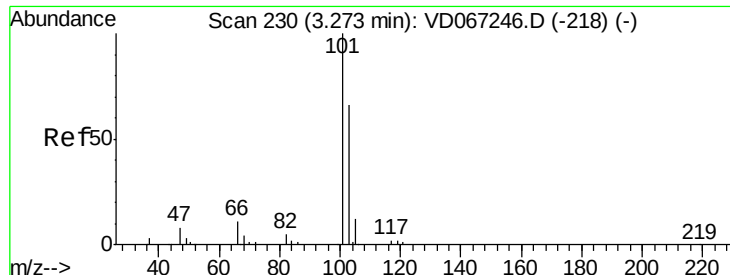
66 35.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



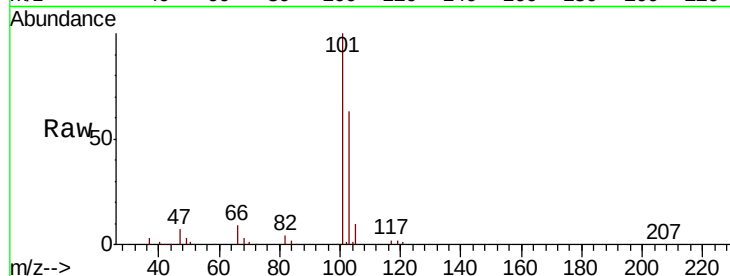


#7

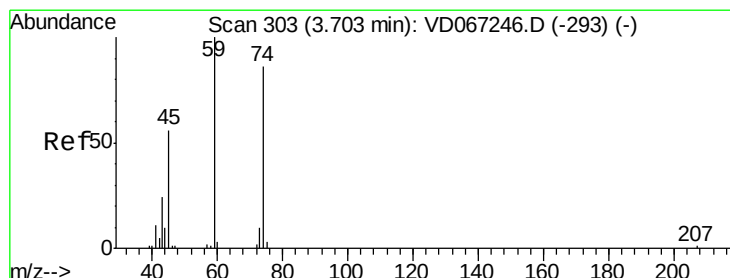
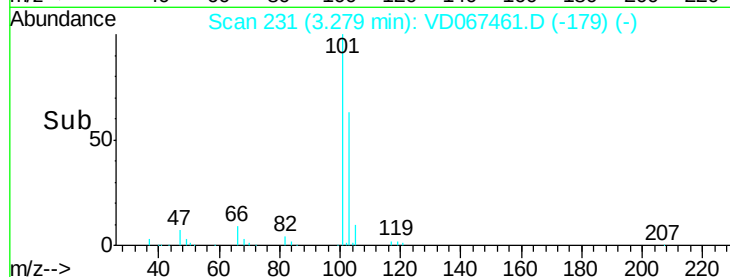
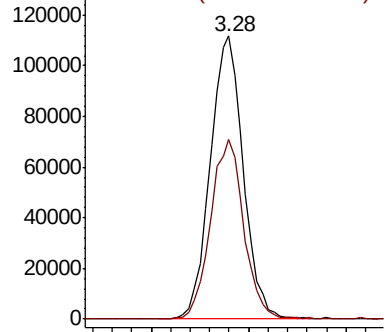
Trichlorofluoromethane
 Concen: 49.373 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 263454
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7



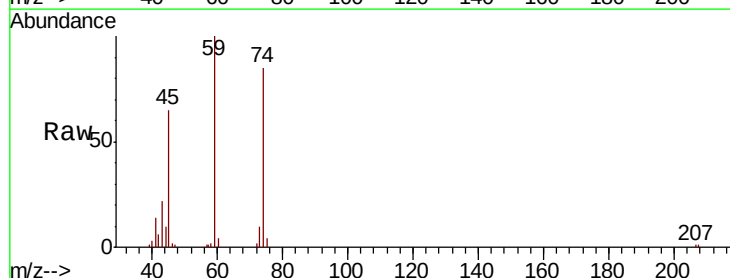
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



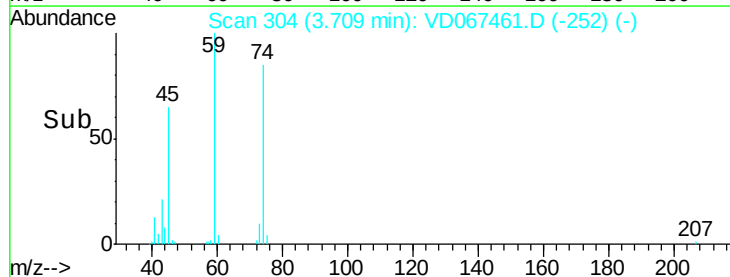
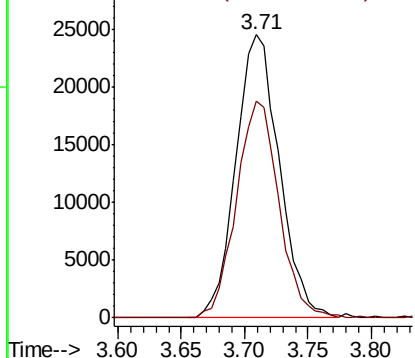
#8

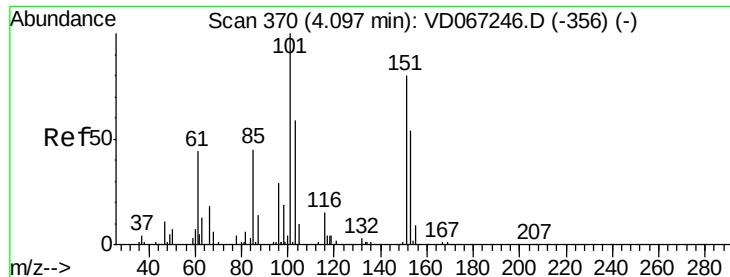
Diethyl Ether
 Concen: 47.636 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion: 74 Resp: 58164
 Ion Ratio Lower Upper
 74 100
 45 75.1 37.0 111.1



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: 50.398 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

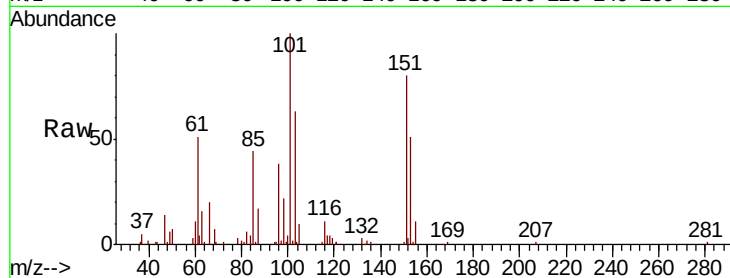
Tot Ion:101 Resp: 142878

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.4

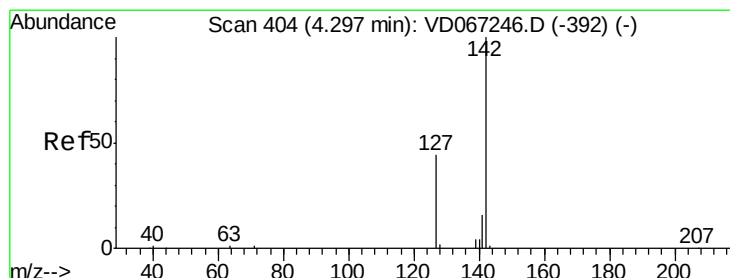
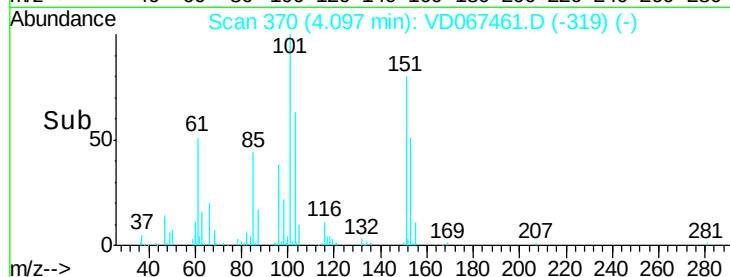
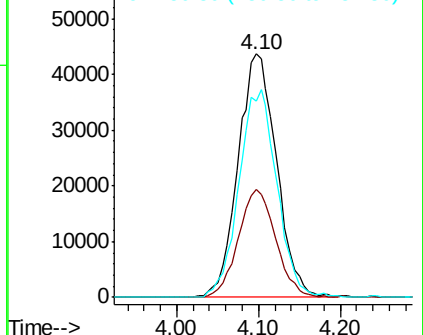
151 84.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.059 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

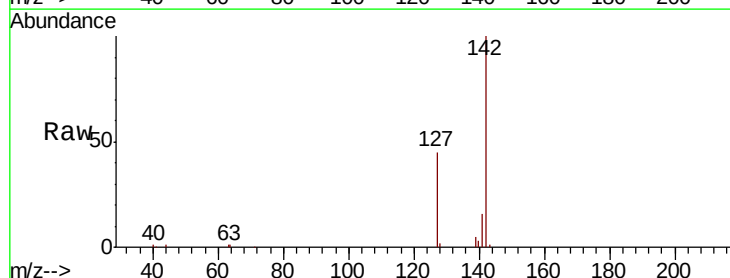
Tgt Ion:142 Resp: 138759

Ion Ratio Lower Upper

142 100

127 48.8 38.4 57.6

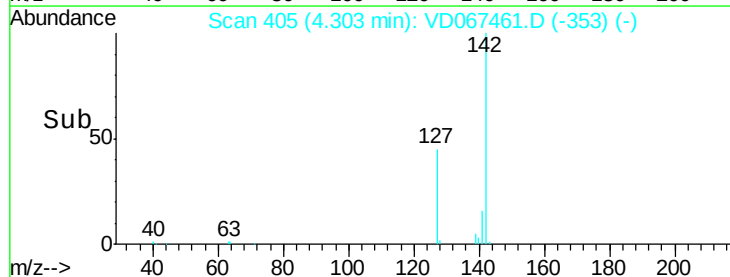
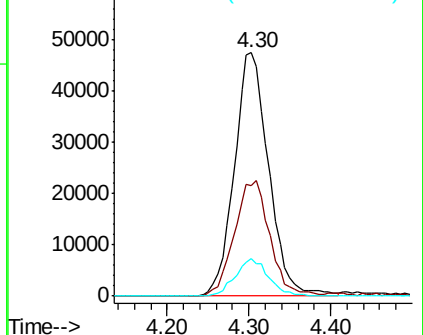
141 14.8 11.6 17.4

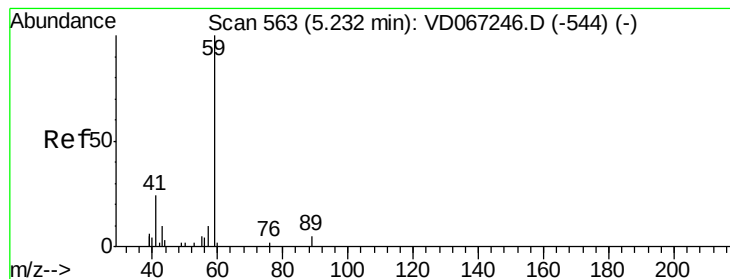


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 217.844 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

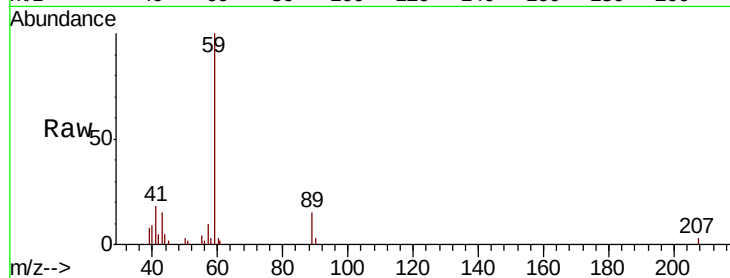
VSTDCCC050

Tot Ion: 59 Resp: 35758

Ion Ratio Lower Upper

59 100

57 9.2 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

10000

8000

6000

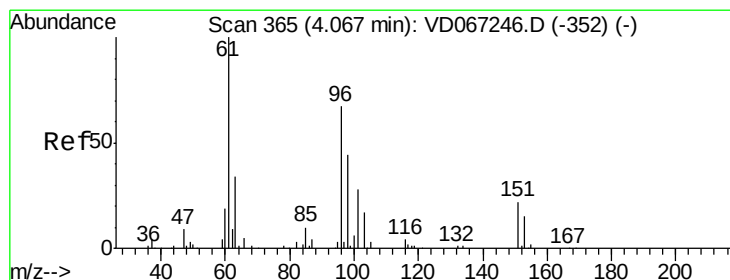
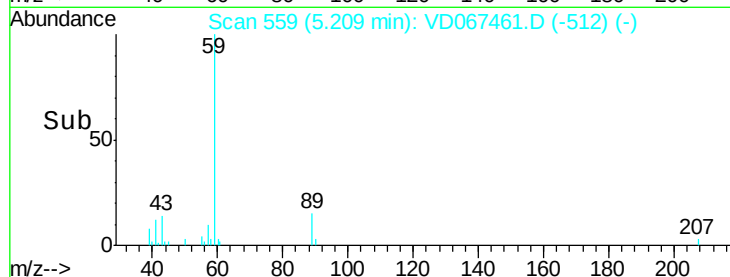
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 48.024 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

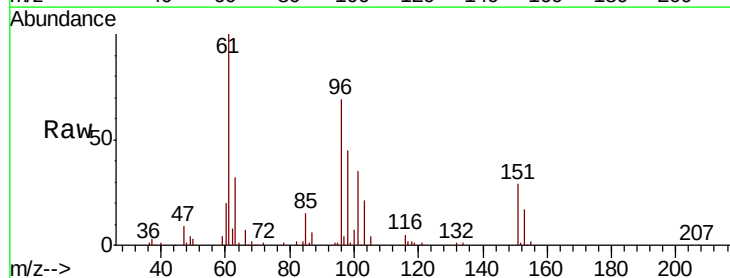
Tgt Ion: 96 Resp: 121630

Ion Ratio Lower Upper

96 100

61 145.3 118.6 177.8

98 65.3 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

80000

60000

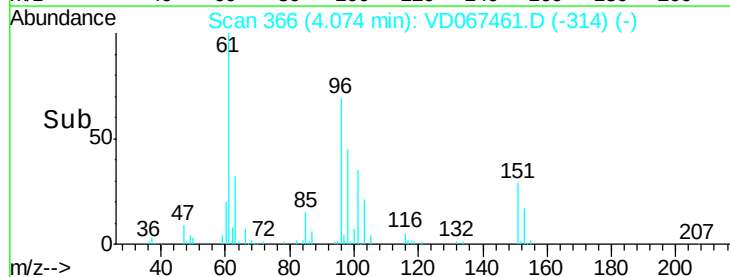
40000

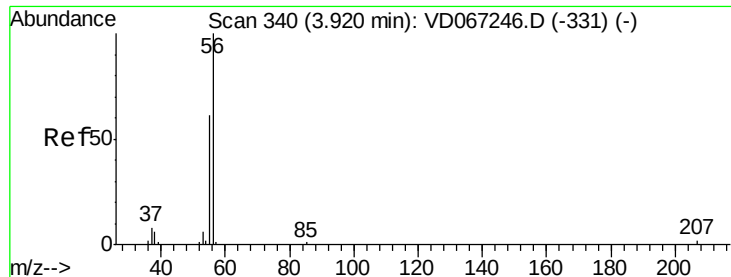
20000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 167.464 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

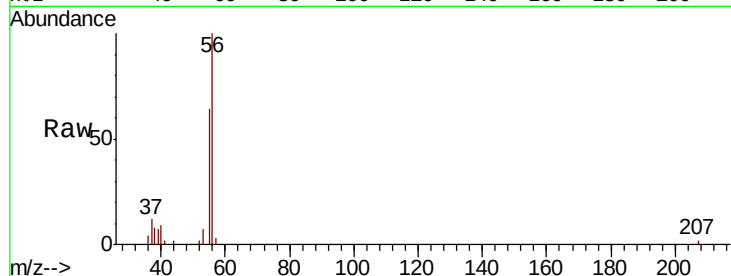
VSTDCCC050

Tot Ion: 56 Resp: 29332

Ion Ratio Lower Upper

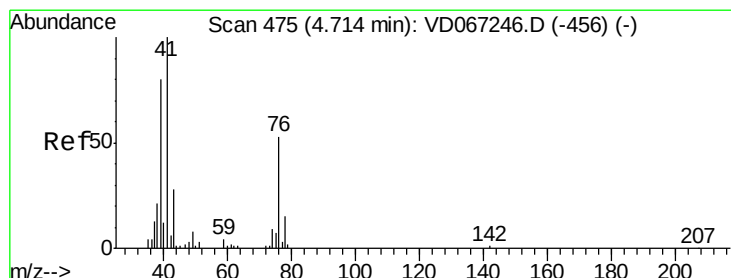
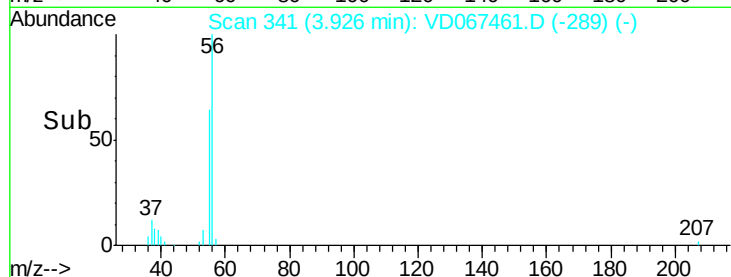
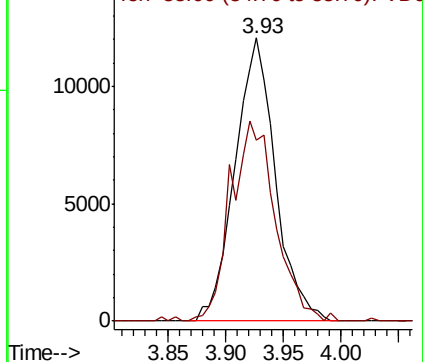
56 100

55 78.5 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.181 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

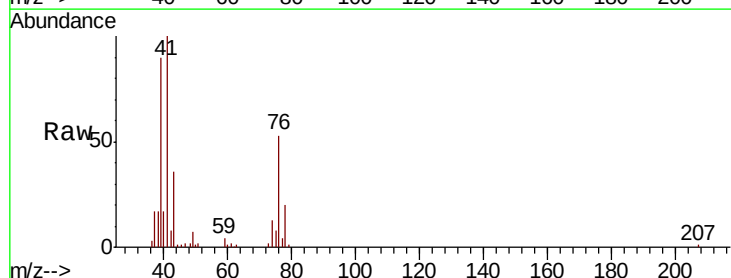
Tgt Ion: 41 Resp: 139744

Ion Ratio Lower Upper

41 100

39 82.8 63.8 95.6

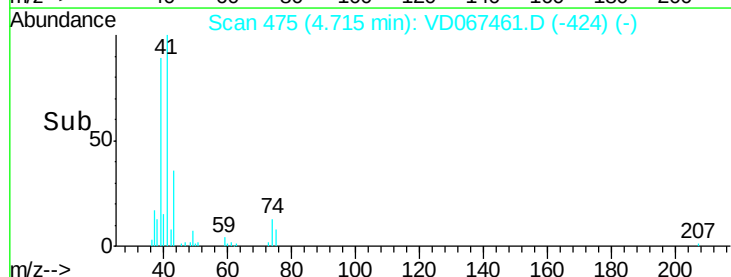
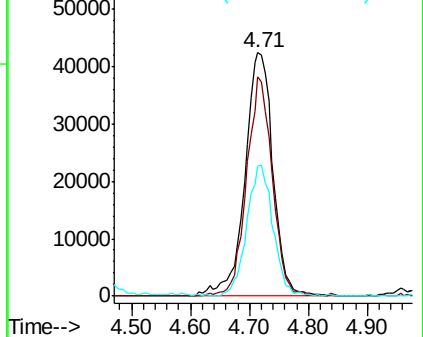
76 50.5 40.4 60.6

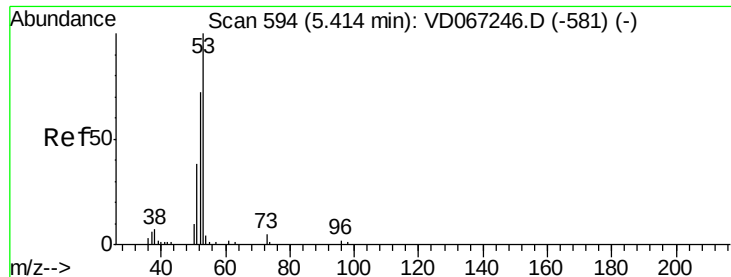


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 251.020 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

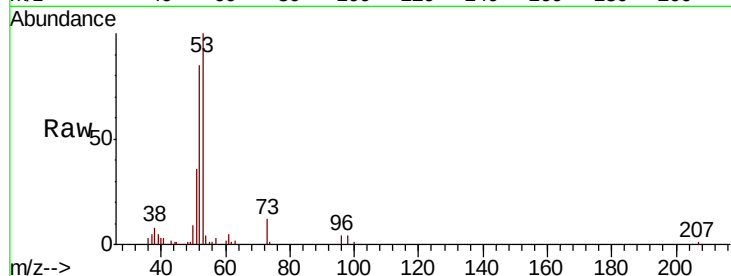
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 102270

Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	37.6	30.8	46.2

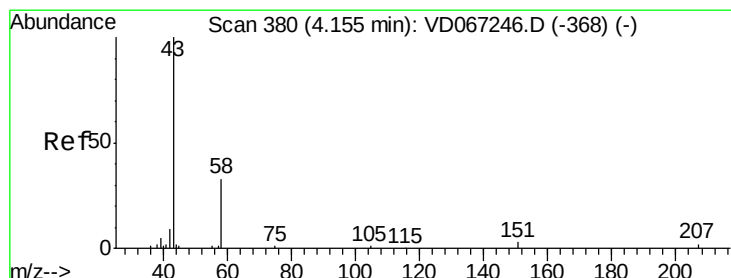
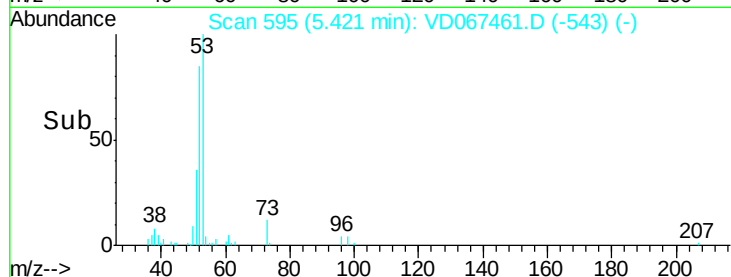
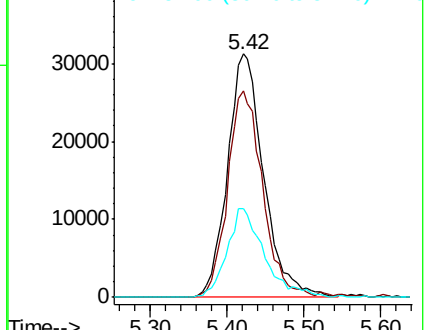


Abundance

Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 302.945 ug/l

RT: 4.16 min Scan# 380

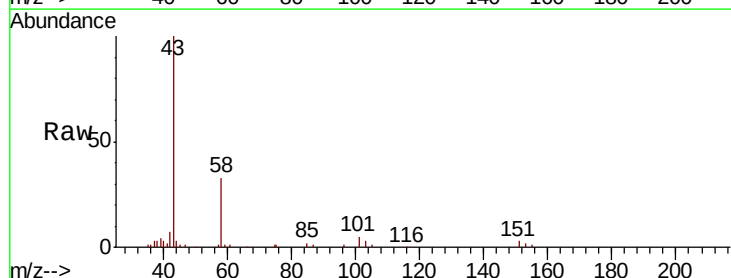
Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Tgt Ion: 43 Resp: 130440

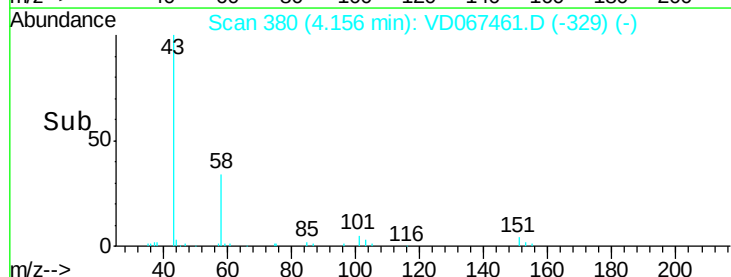
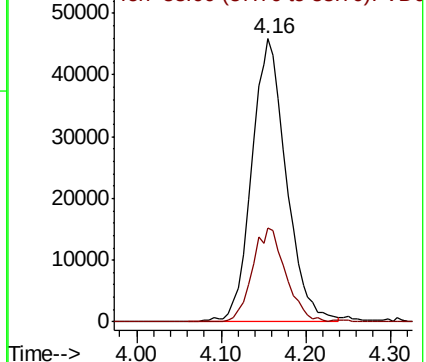
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.1	39.1

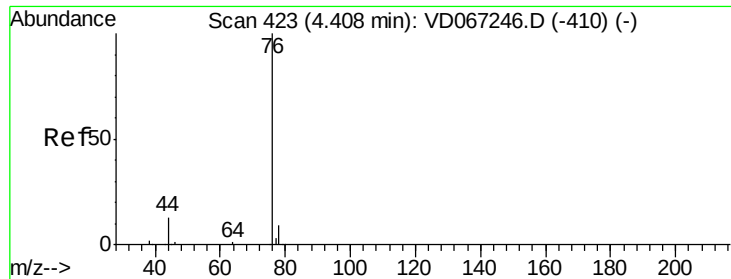


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 41.420 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

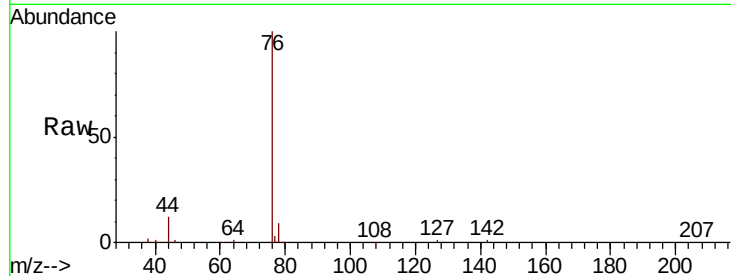
VSTDCCC050

Tot Ion: 76 Resp: 299061

Ion Ratio Lower Upper

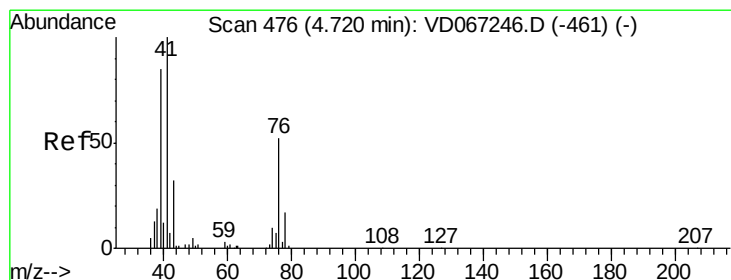
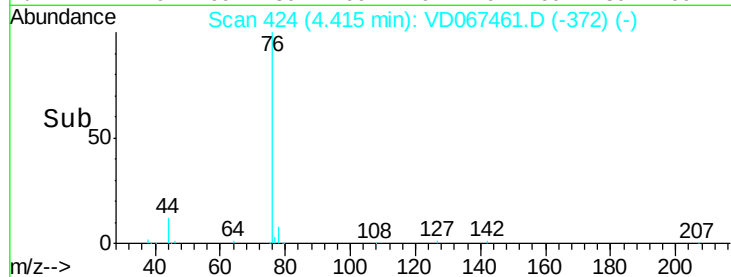
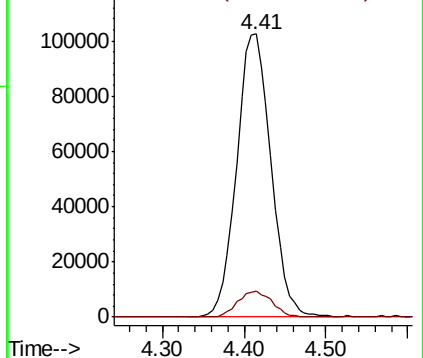
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 51.563 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067461.D

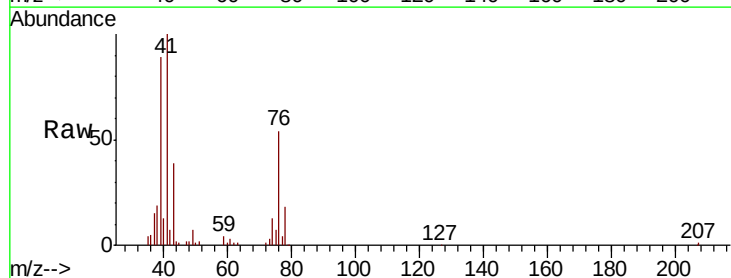
Acq: 30 Oct 2020 09:43

Tgt Ion: 43 Resp: 50639

Ion Ratio Lower Upper

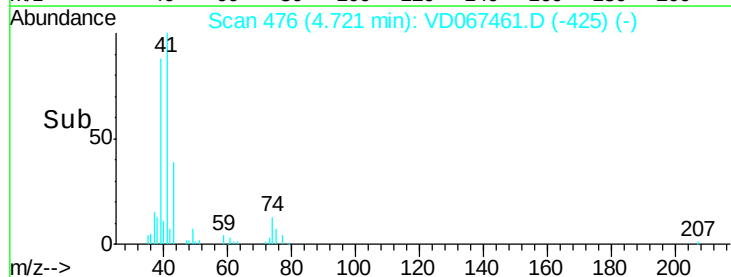
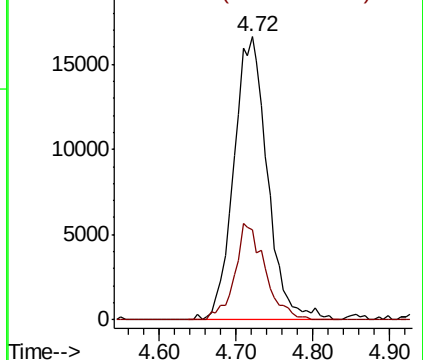
43 100

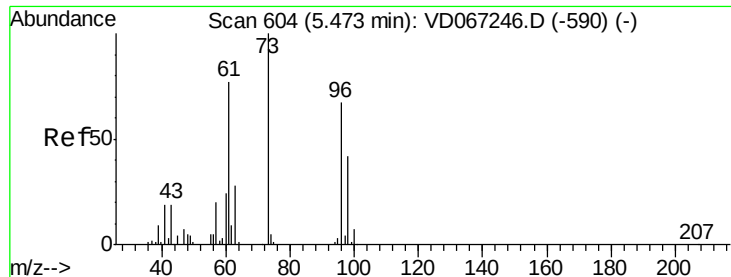
74 30.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

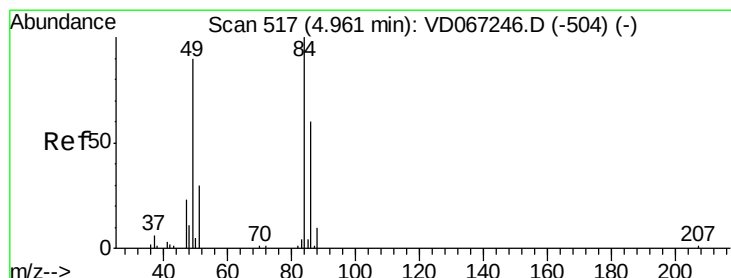
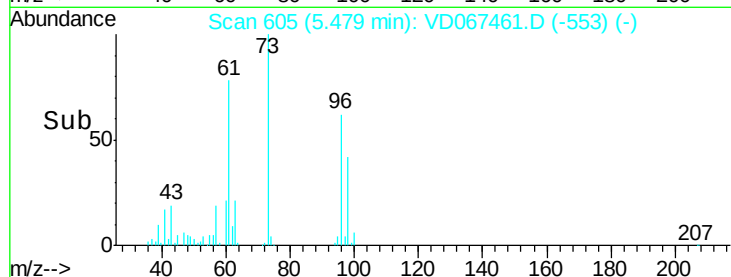
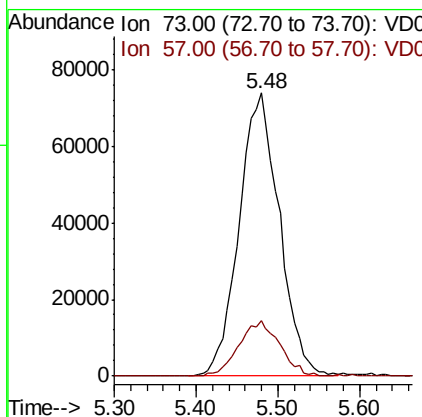
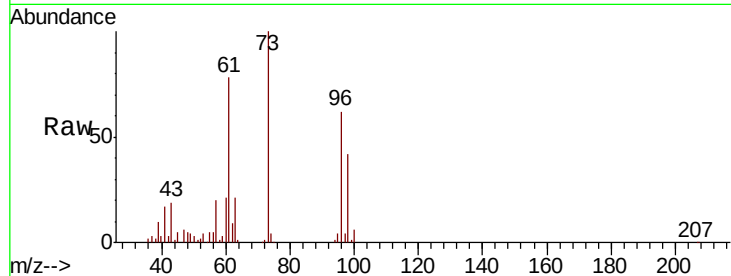




#19
Methyl tert-butyl Ether
Concen: 50.272 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

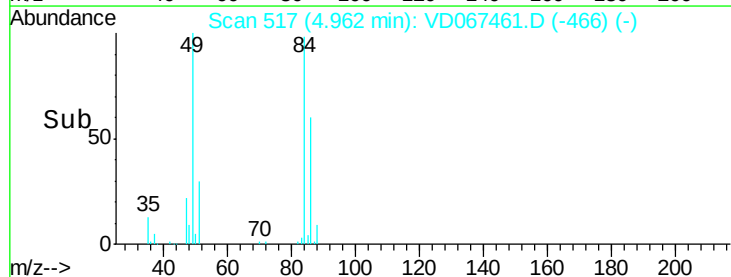
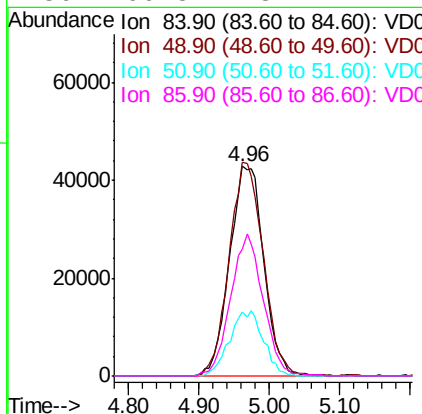
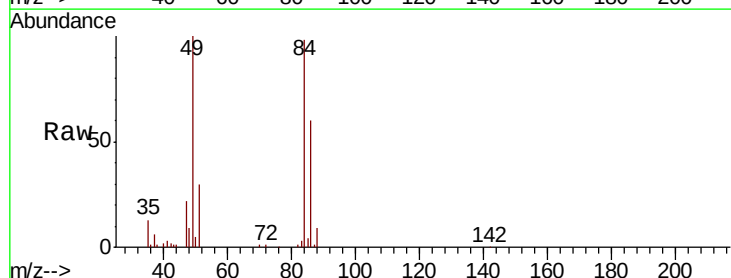
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

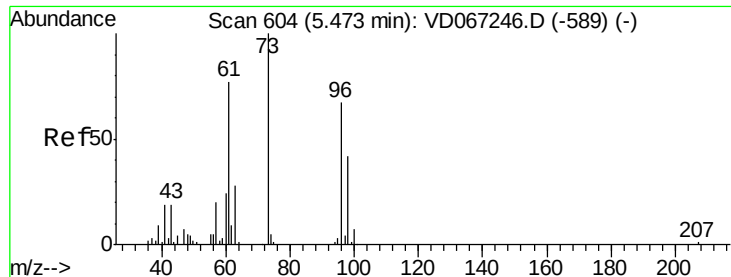
Tot Ion: 73 Resp: 253172
Ion Ratio Lower Upper
73 100
57 19.6 15.7 23.5



#20
Methylene Chloride
Concen: 52.619 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion: 84 Resp: 144477
Ion Ratio Lower Upper
84 100
49 102.0 72.2 108.2
51 30.7 23.8 35.8
86 60.8 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 48.991 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

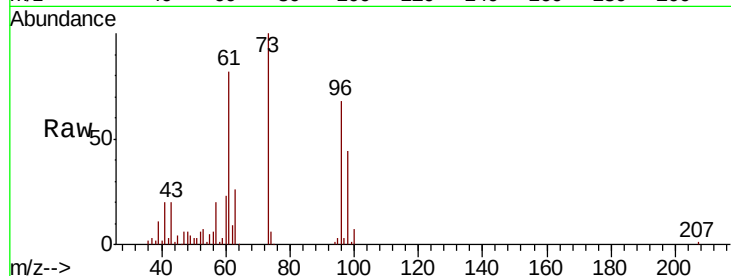
Tot Ion: 96 Resp: 142789

Ion Ratio Lower Upper

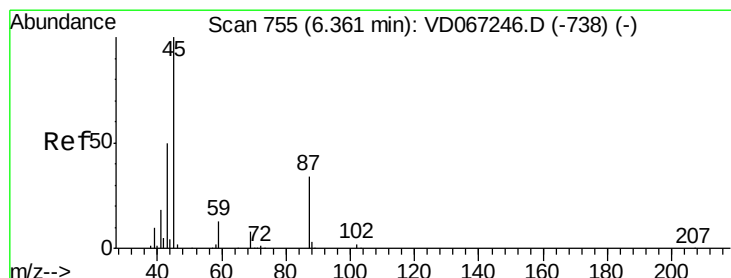
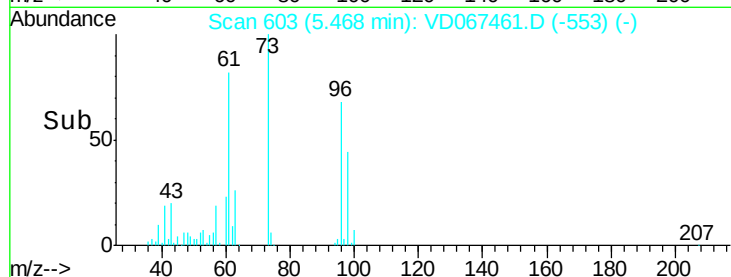
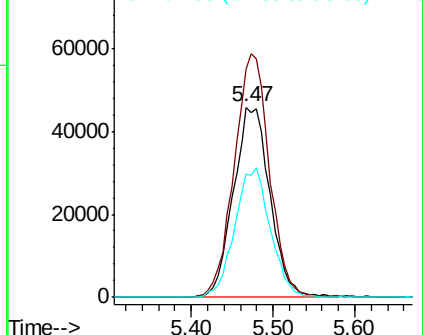
96 100

61 119.7 92.0 138.0

98 65.0 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.657 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Tgt Ion: 45 Resp: 284292

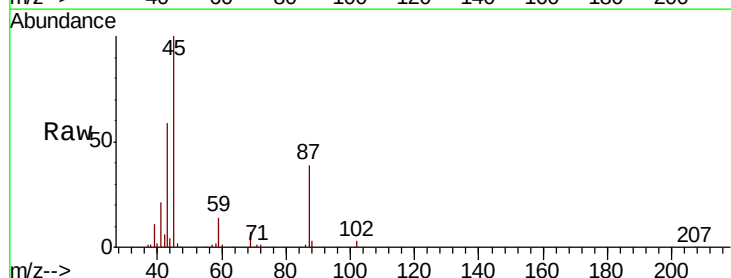
Ion Ratio Lower Upper

45 100

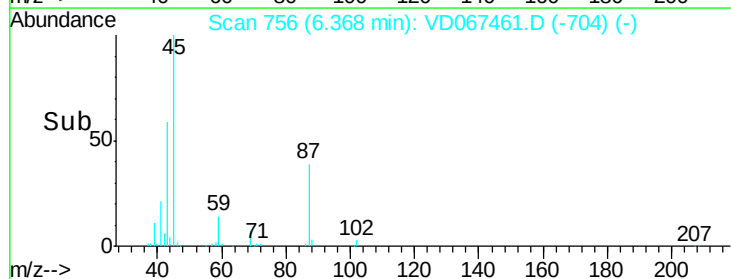
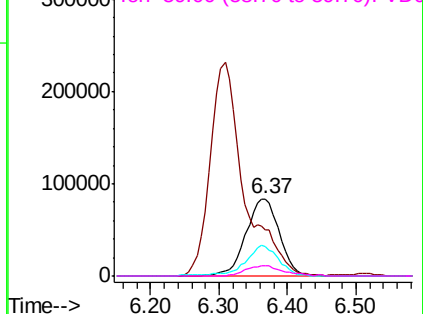
43 57.4 48.0 72.0

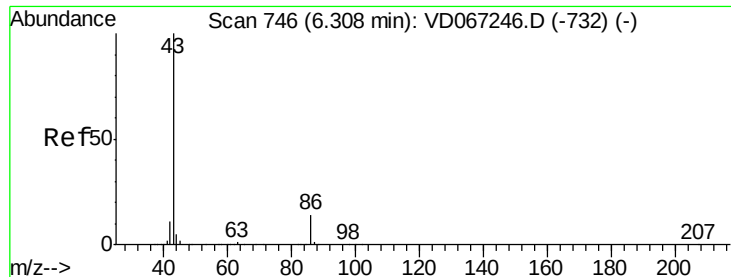
87 38.9 28.5 42.7

59 13.9 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 264.236 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

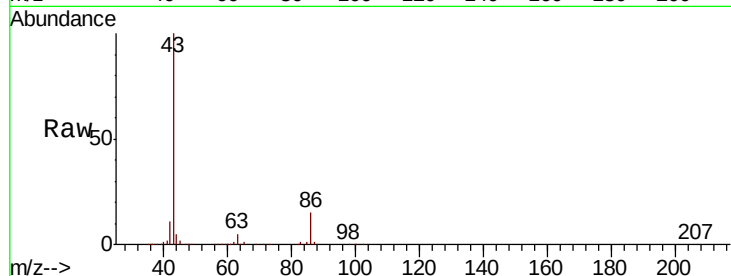
VSTDCCC050

Tot Ion: 43 Resp: 796499

Ion Ratio Lower Upper

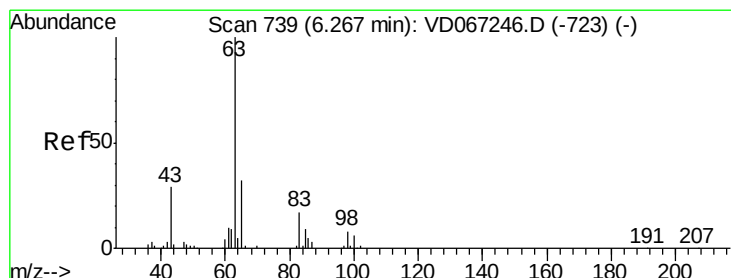
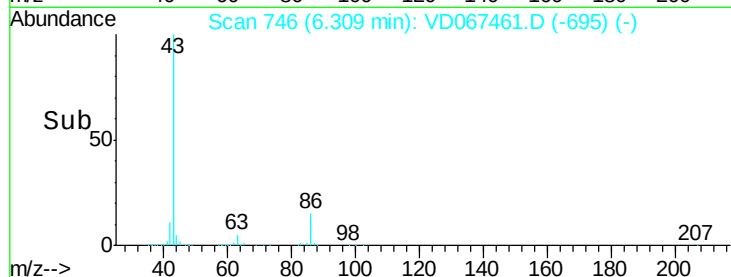
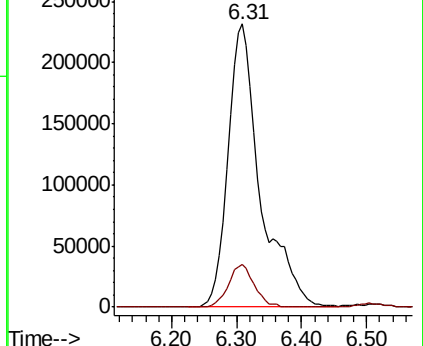
43 100

86 14.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.110 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

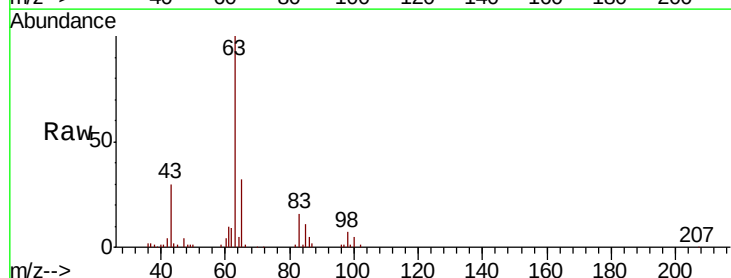
Tgt Ion: 63 Resp: 236342

Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.2

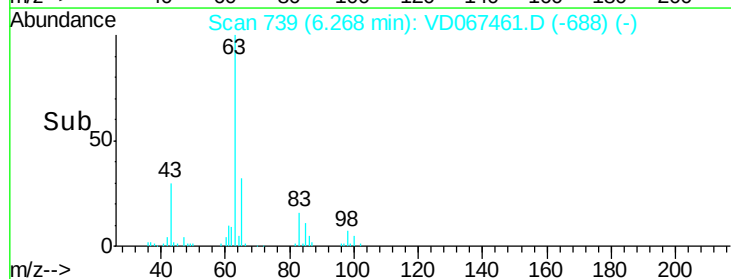
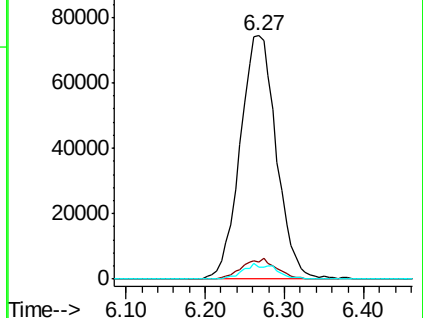
100 5.0 2.8 8.4

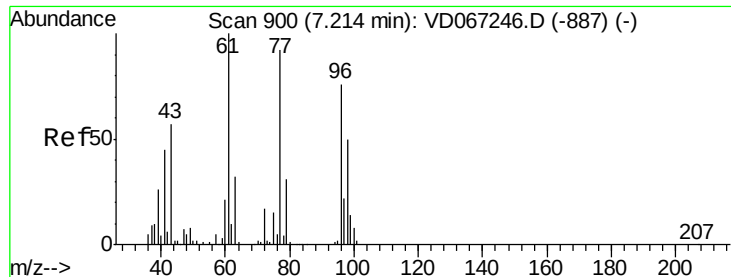


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 256.787 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

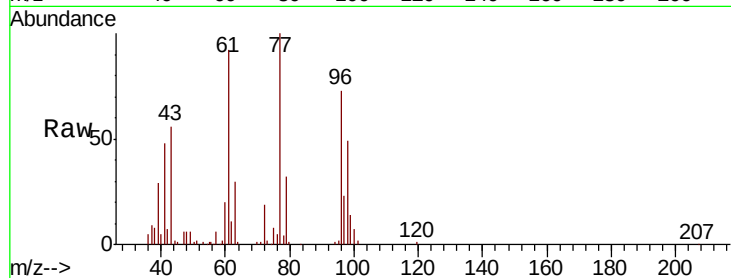
VSTDCCC050

Tot Ion: 43 Resp: 126034

Ion Ratio Lower Upper

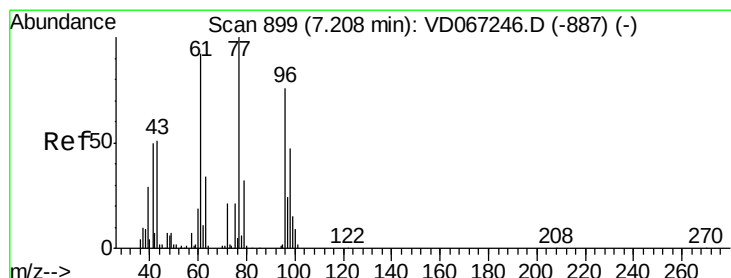
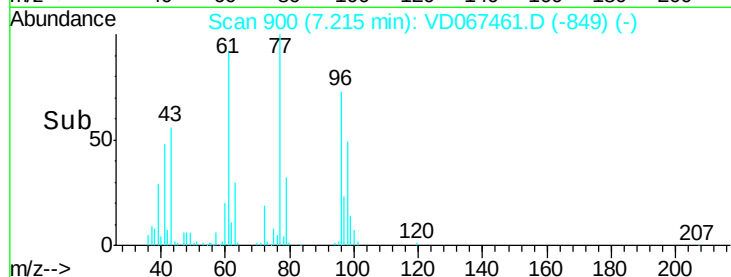
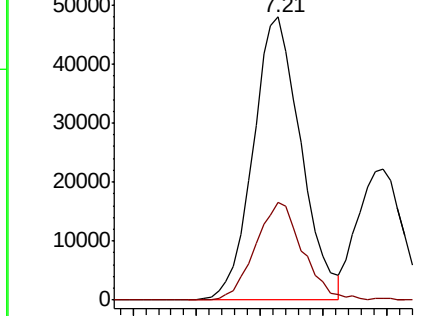
43 100

72 34.3 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.521 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067461.D

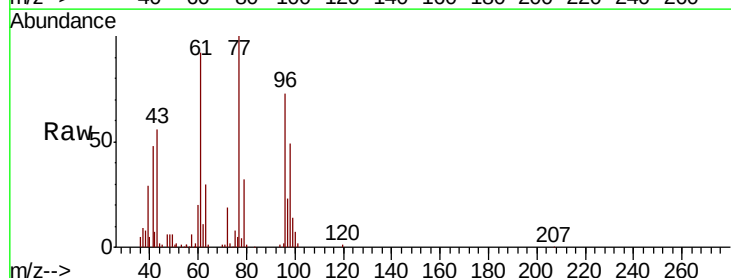
Acq: 30 Oct 2020 09:43

Tgt Ion: 77 Resp: 245527

Ion Ratio Lower Upper

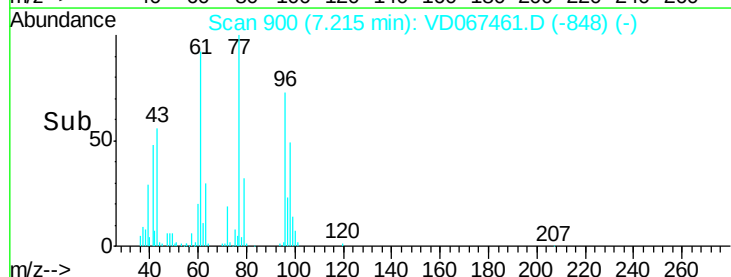
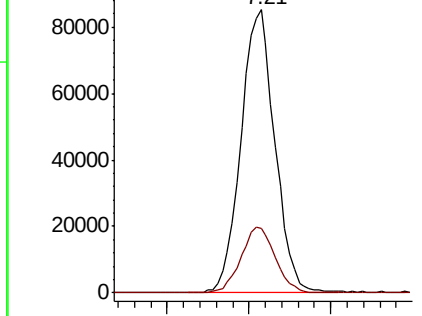
77 100

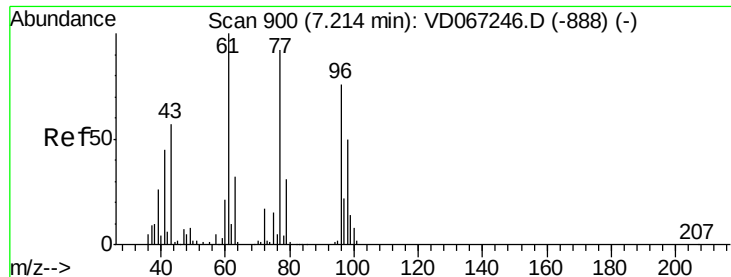
97 23.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



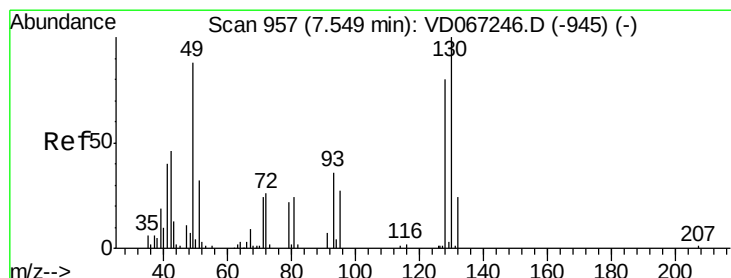
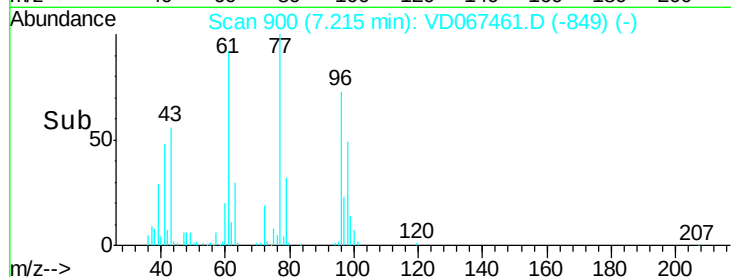
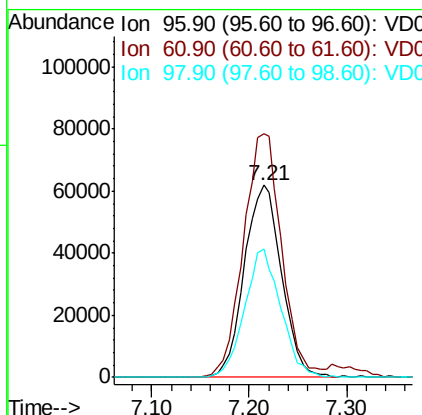
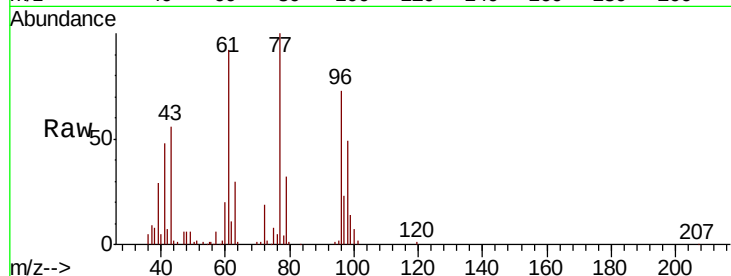


#27

cis-1,2-Dichloroethene
 Concen: 51.884 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

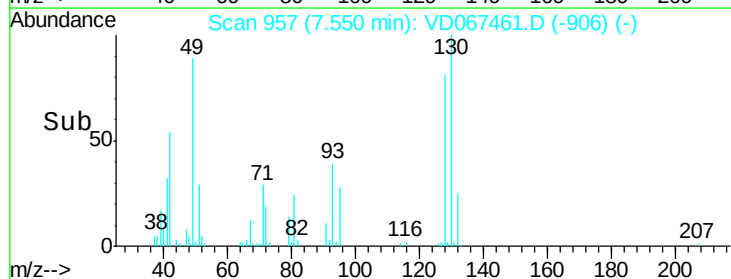
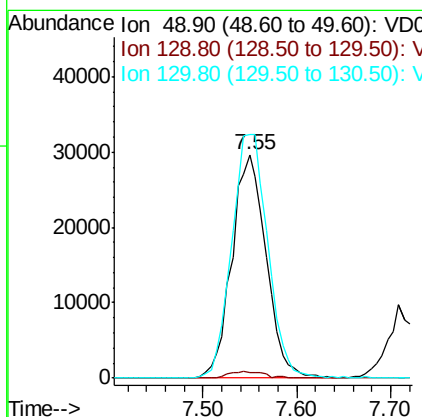
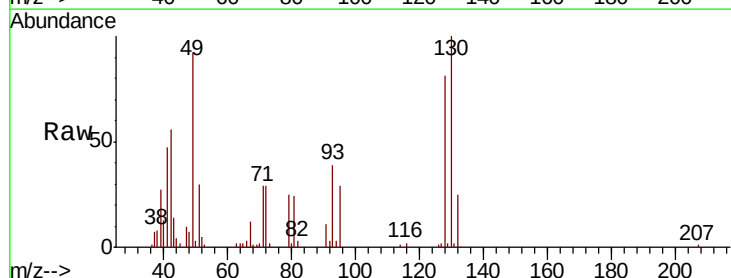
Tot Ion: 96 Resp: 165733
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 255.4
 98 64.6 0.0 128.0

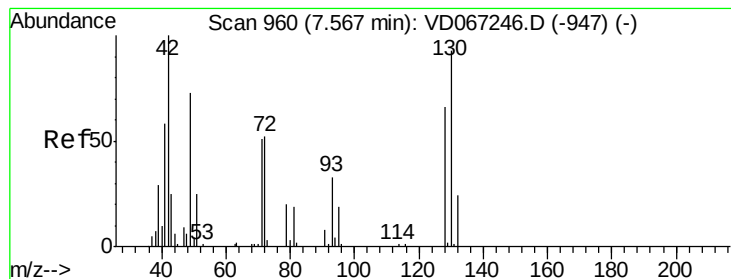


#28

Bromochloromethane
 Concen: 48.428 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion: 49 Resp: 74917
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 1.6#
 130 114.8 91.0 136.6





#29

Tetrahydrofuran

Concen: 256.715 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

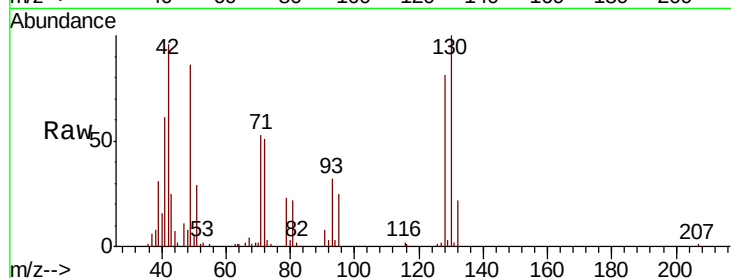
Tot Ion: 42 Resp: 70040

Ion Ratio Lower Upper

42 100

72 53.1 43.2 64.8

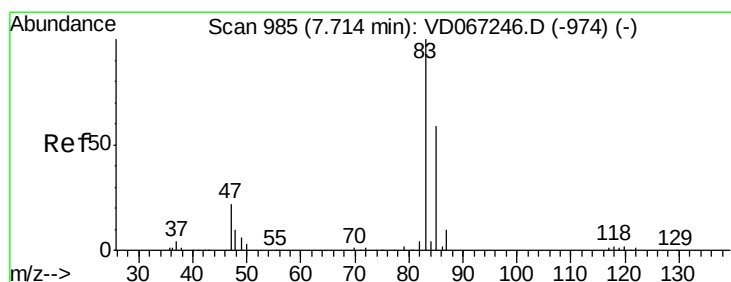
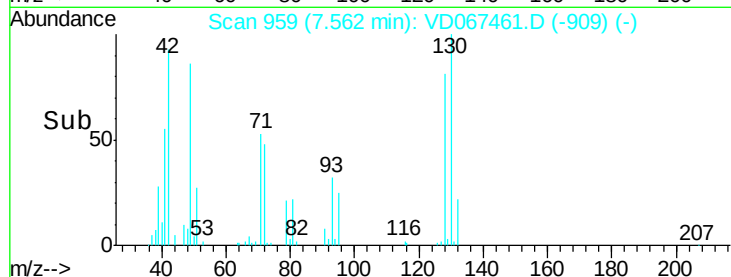
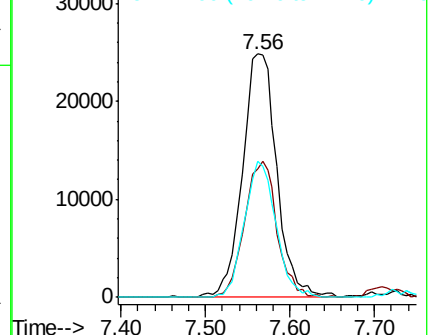
71 51.4 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.818 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067461.D

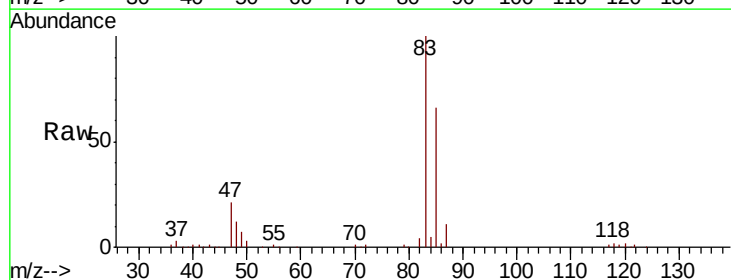
Acq: 30 Oct 2020 09:43

Tgt Ion: 83 Resp: 286168

Ion Ratio Lower Upper

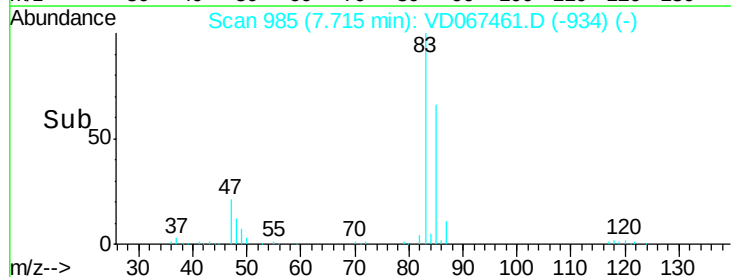
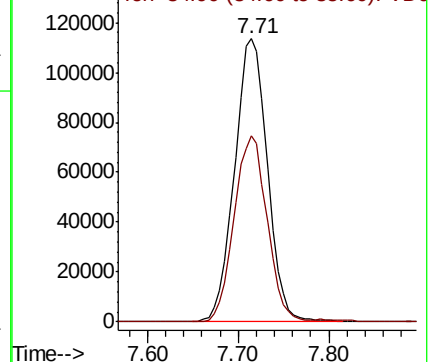
83 100

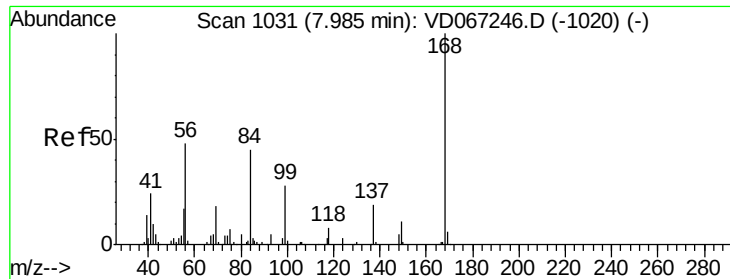
85 65.6 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

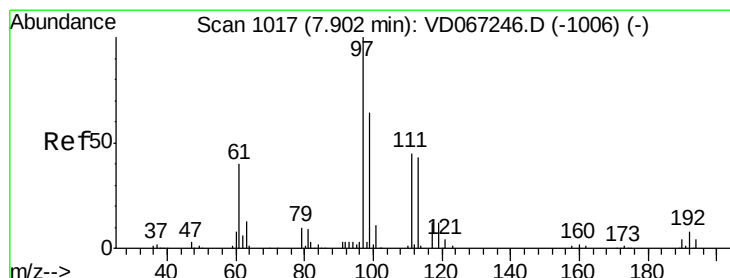
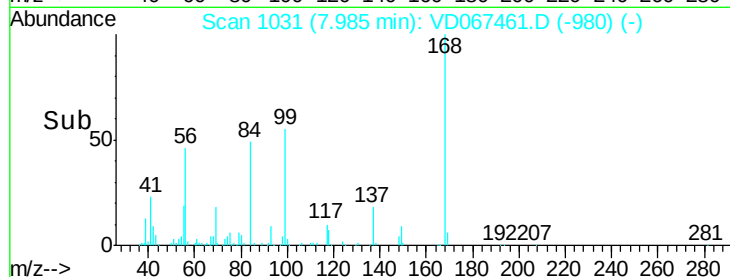
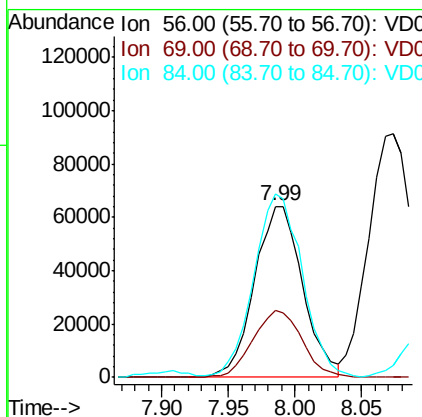
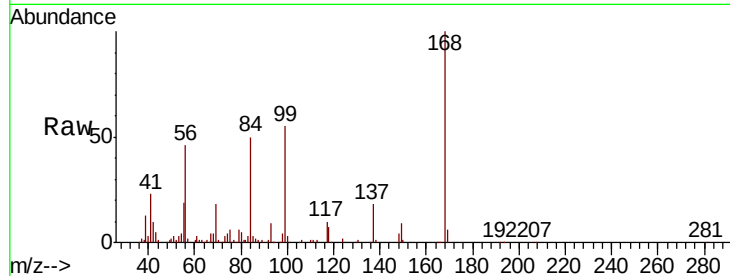




#31
Cyclohexane
Concen: 45.256 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

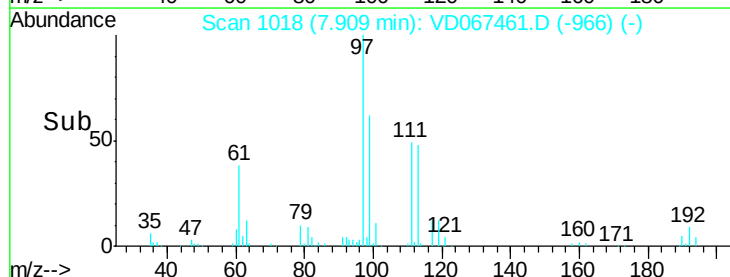
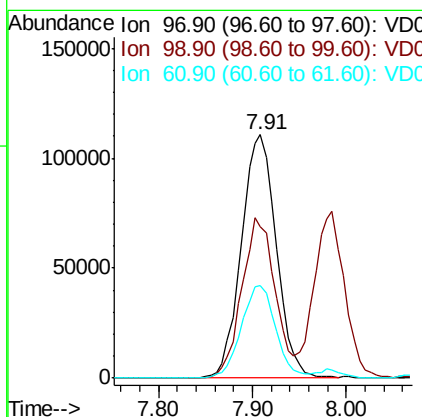
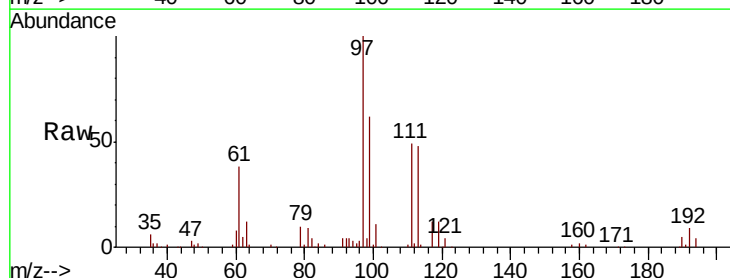
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

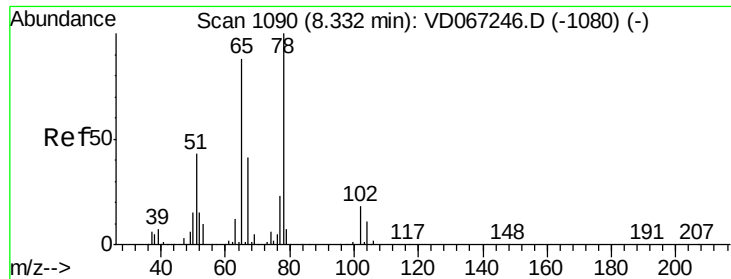
Tot Ion: 56 Resp: 160257
Ion Ratio Lower Upper
56 100
69 39.5 29.8 44.6
84 105.1 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 53.508 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion: 97 Resp: 284447
Ion Ratio Lower Upper
97 100
99 63.0 50.2 75.4
61 37.5 30.5 45.7

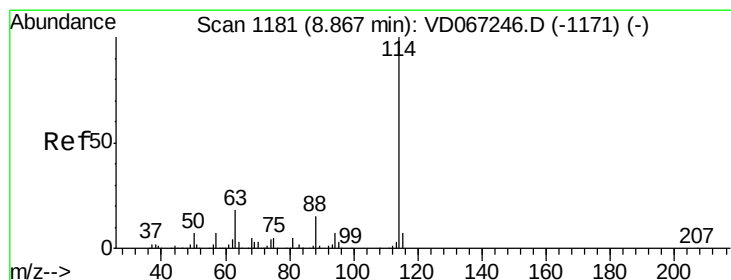
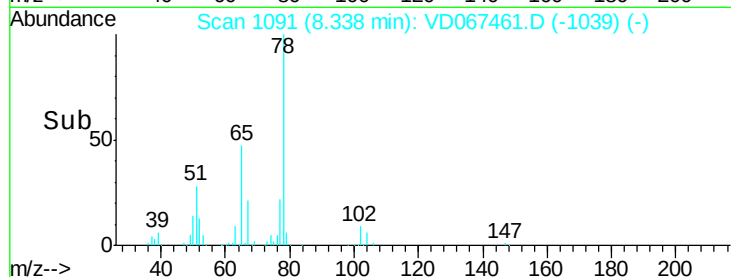
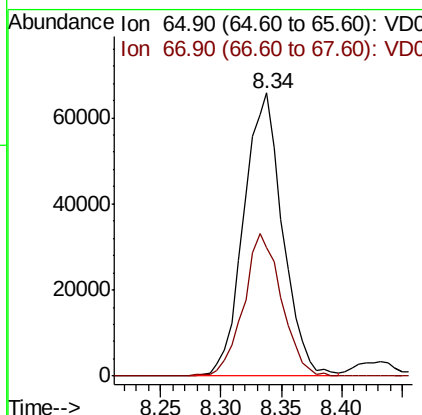
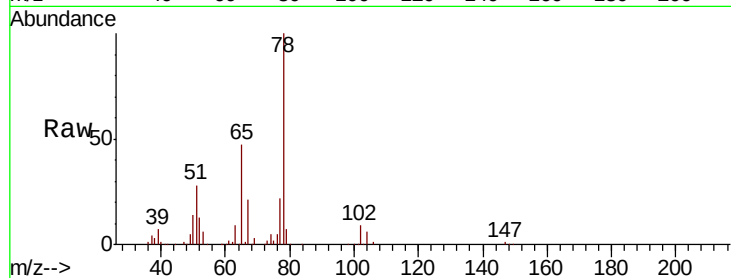




#33
 1,2-Dichloroethane-d4
 Concen: 47.906 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

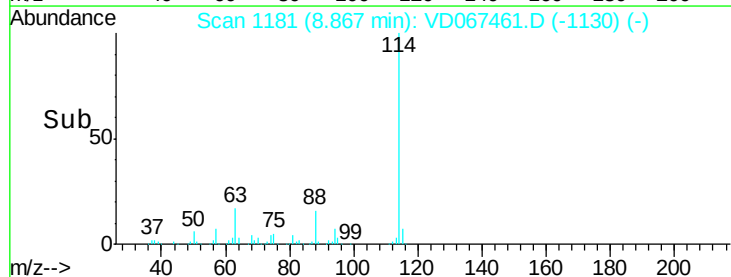
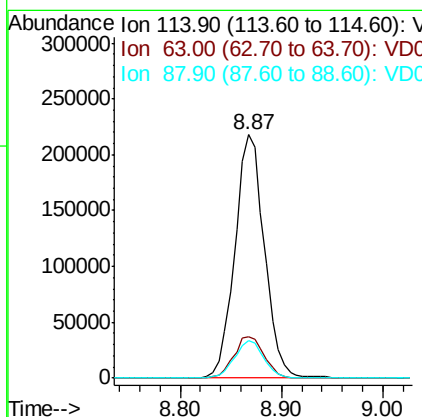
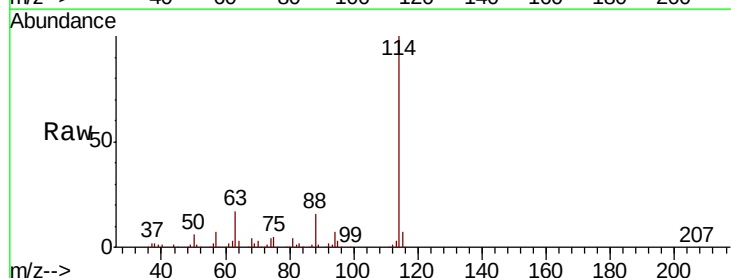
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

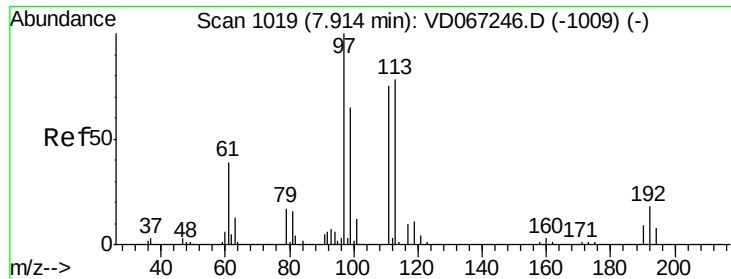
Tot Ion: 65 Resp: 147285
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion: 114 Resp: 440211
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.0
 88 15.6 0.0 30.6

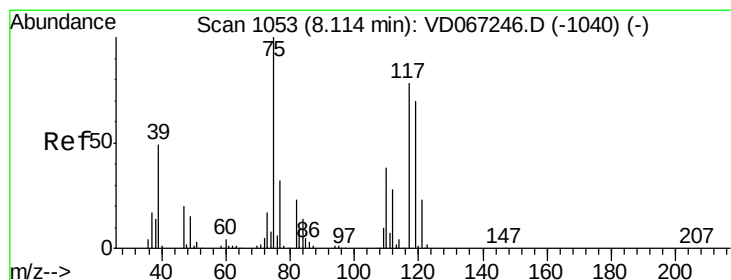
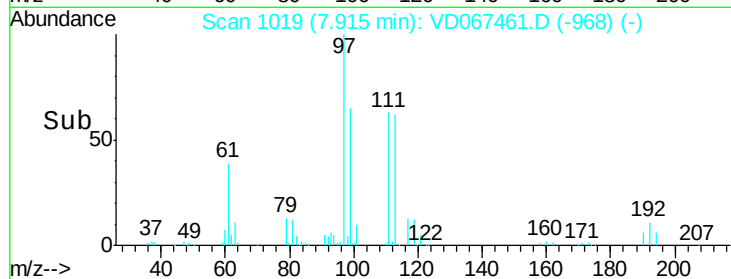
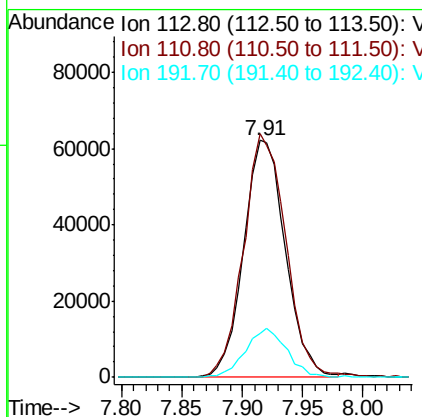
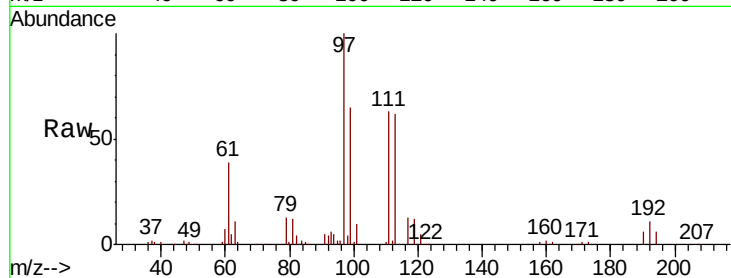




#35
Dibromofluoromethane
Concen: 51.378 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

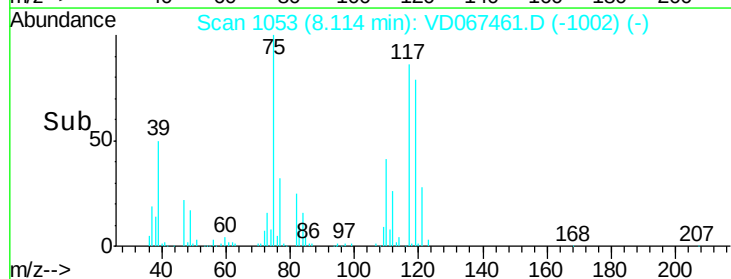
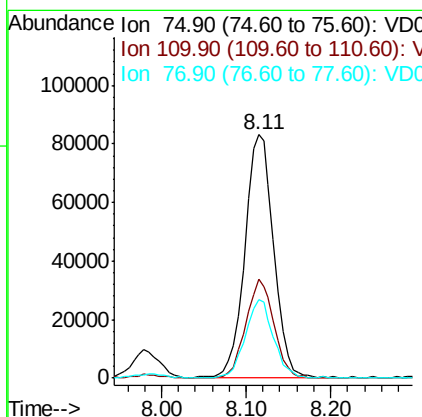
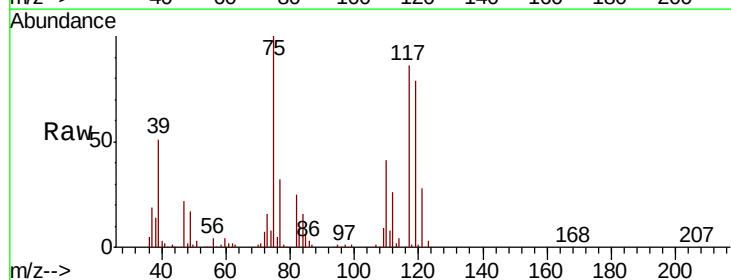
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

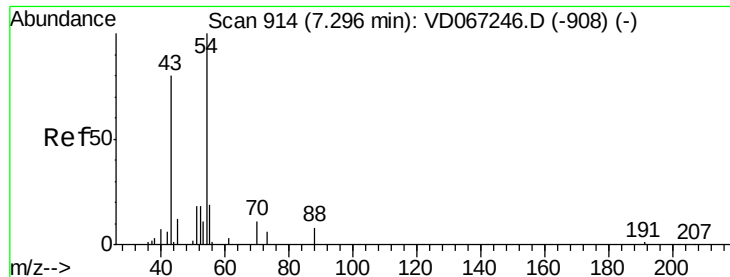
Tot Ion:113 Resp: 150517
Ion Ratio Lower Upper
113 100
111 104.1 81.6 122.4
192 20.3 17.0 25.4



#36
1,1-Dichloropropene
Concen: 52.538 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion: 75 Resp: 196023
Ion Ratio Lower Upper
75 100
110 39.9 19.6 58.7
77 31.8 24.6 37.0





#37

Ethyl Acetate

Concen: 49.046 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

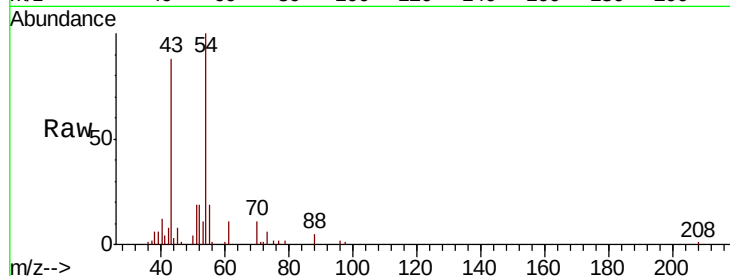
Tot Ion: 43 Resp: 53840

Ion Ratio Lower Upper

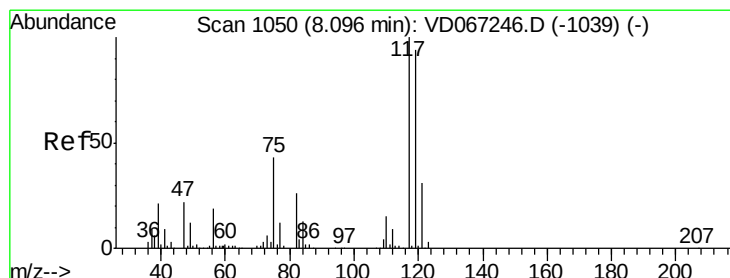
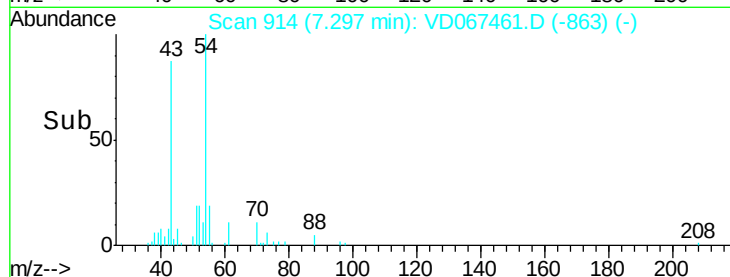
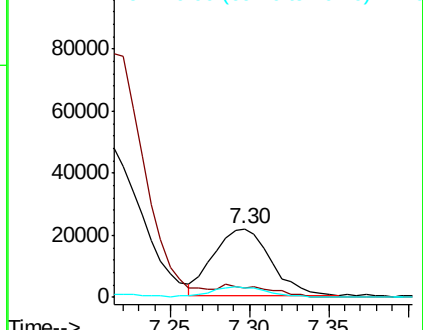
43 100

61 13.5 15.6 23.4#

70 15.7 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 55.543 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

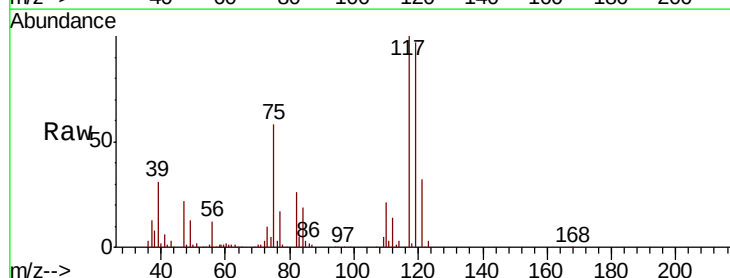
Tgt Ion: 117 Resp: 264864

Ion Ratio Lower Upper

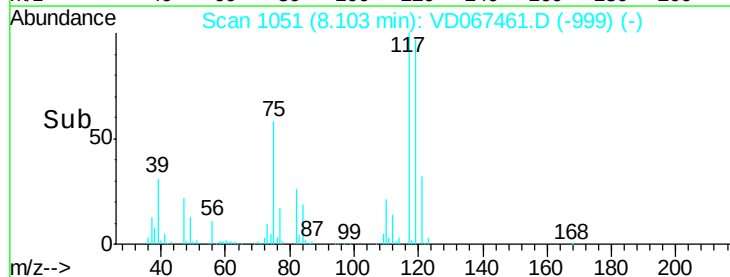
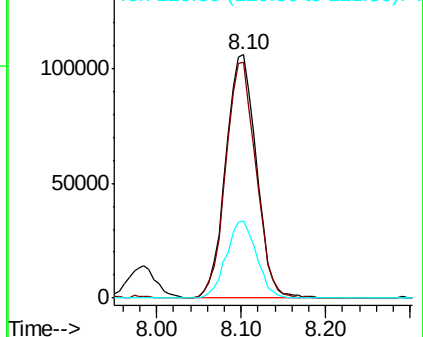
117 100

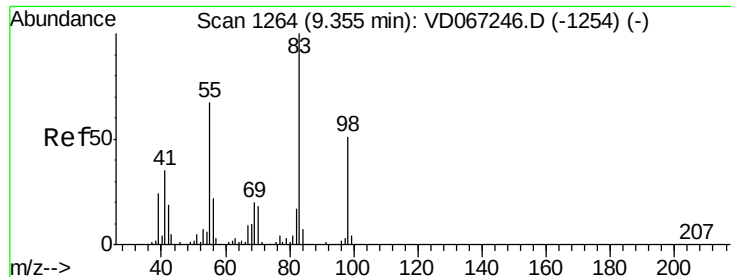
119 96.8 75.0 112.4

121 31.8 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

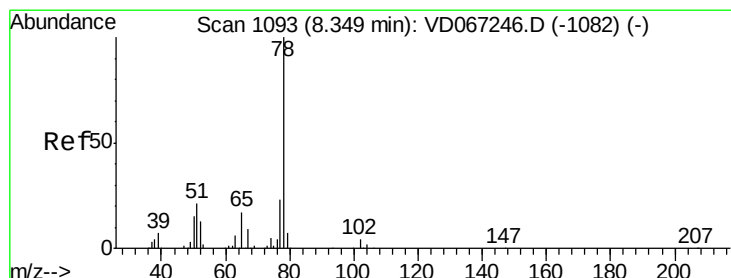
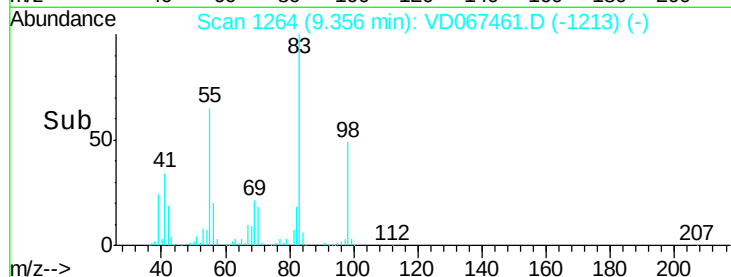
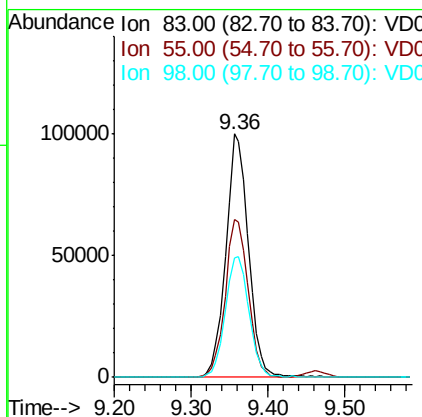
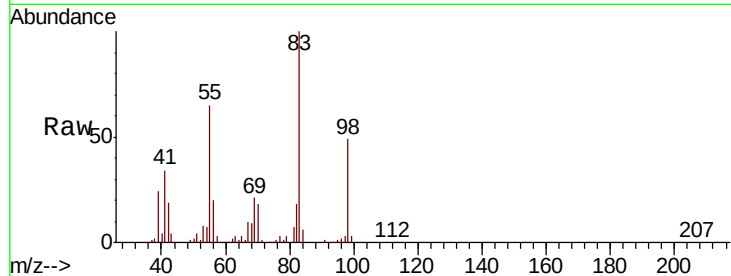




#39
Methylvlcyclohexane
Concen: 52.522 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

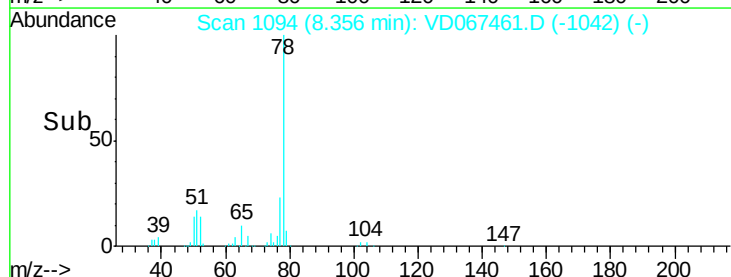
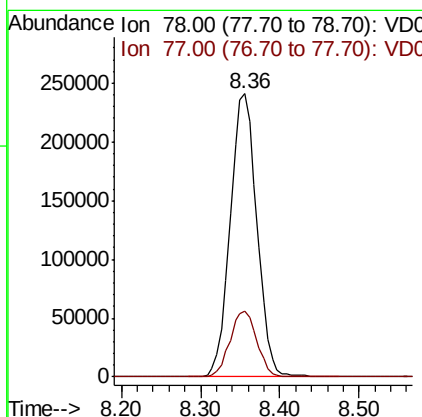
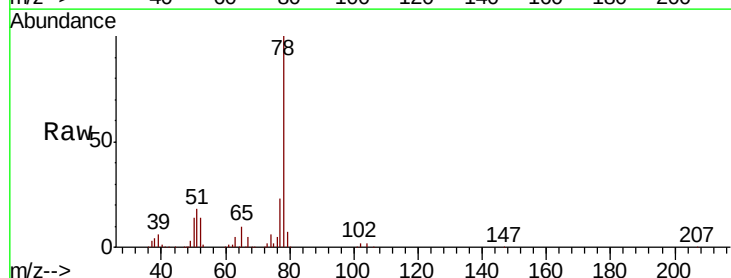
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

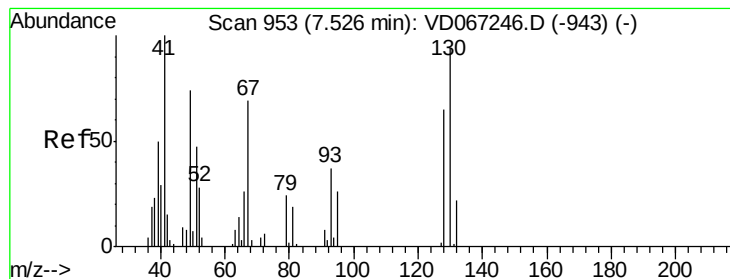
Tot Ion	83	Resp	204865
Ion	Ratio	Lower	Upper
83	100		
55	65.0	53.3	79.9
98	49.3	41.0	61.4



#40
Benzene
Concen: 54.751 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion	78	Resp	560423
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5





#41

Methacrylonitrile

Concen: 43.983 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 26091

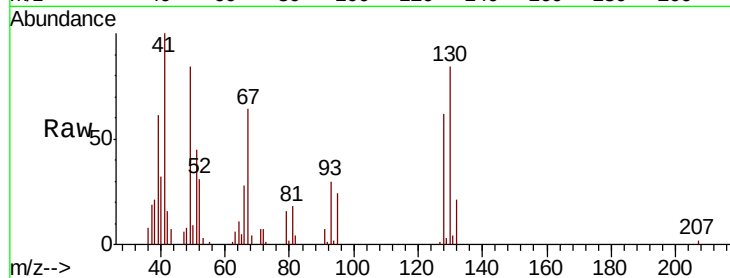
Ion Ratio Lower Upper

41 100

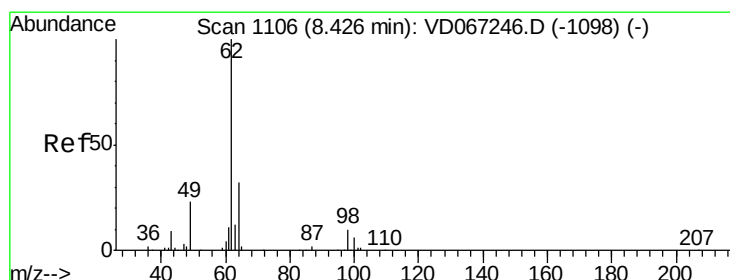
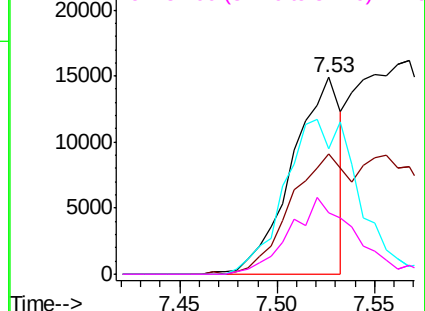
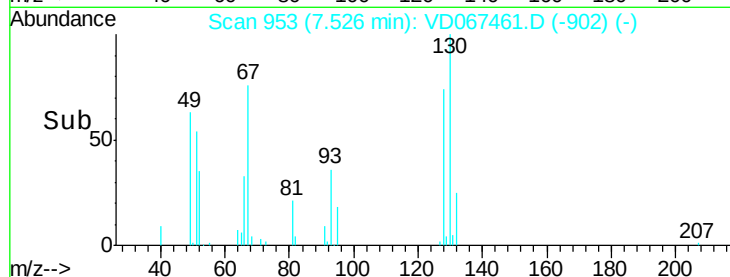
39 73.1 60.0 90.0

67 117.5 88.9 133.3

52 51.6 36.9 55.3



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.475 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067461.D

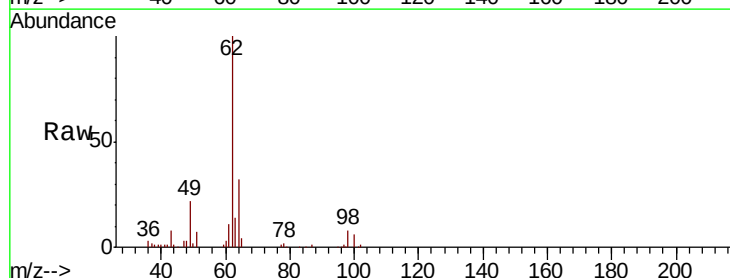
Acq: 30 Oct 2020 09:43

Tgt Ion: 62 Resp: 171294

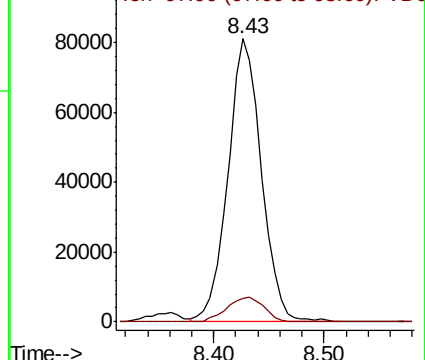
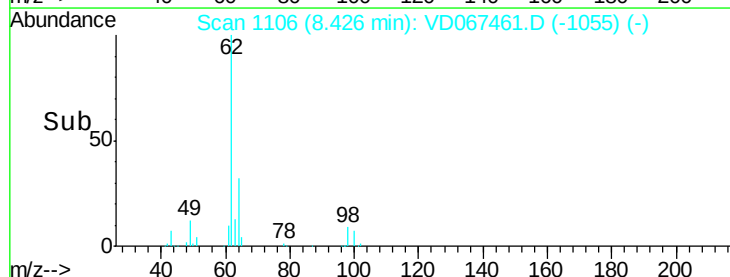
Ion Ratio Lower Upper

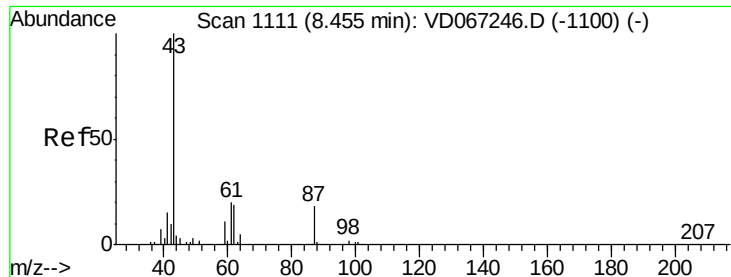
62 100

98 9.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.747 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

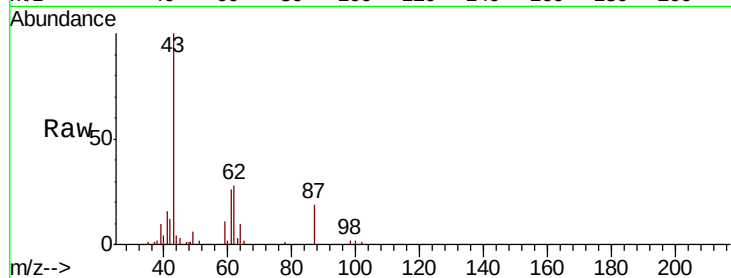
Tot Ion: 43 Resp: 108359

Ion Ratio Lower Upper

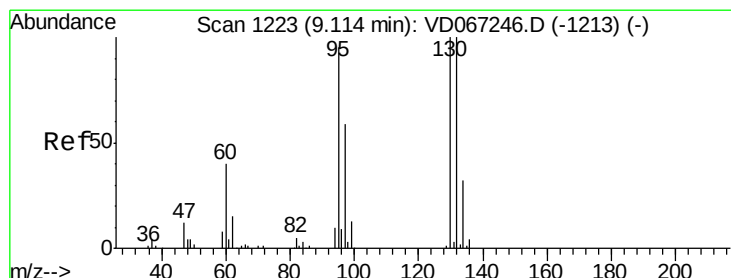
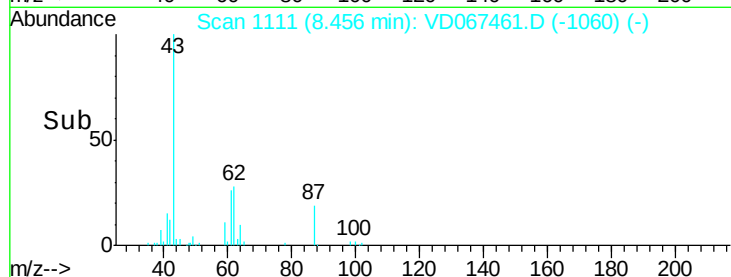
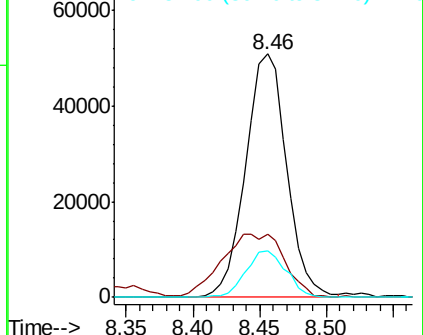
43 100

61 40.2 29.5 44.3

87 18.8 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.080 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067461.D

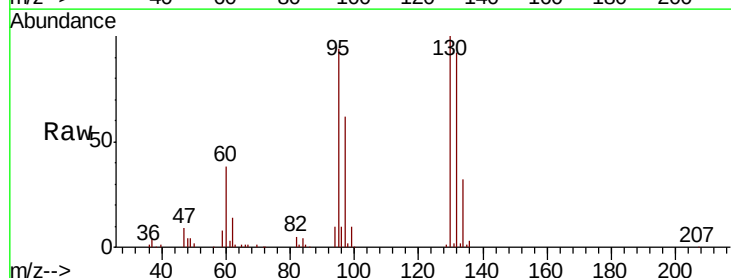
Acq: 30 Oct 2020 09:43

Tgt Ion:130 Resp: 177234

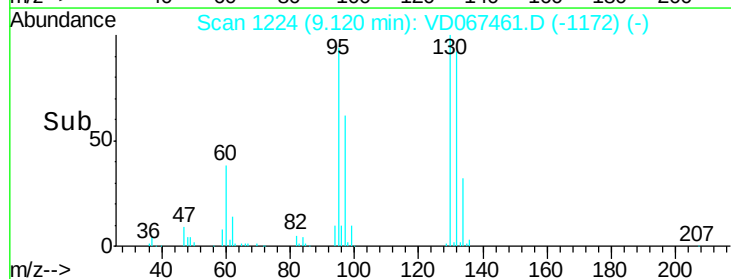
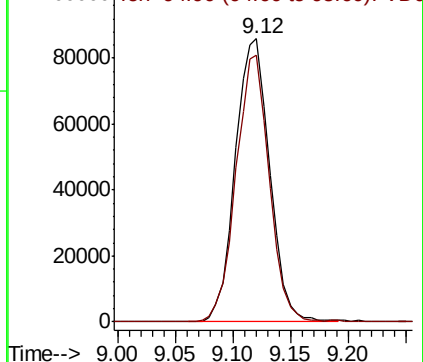
Ion Ratio Lower Upper

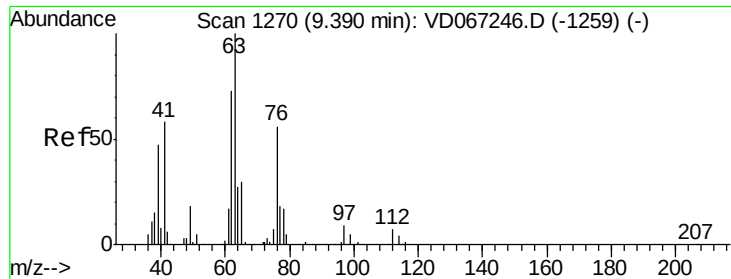
130 100

95 94.3 0.0 190.6



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





#45

1,2-Dichloropropane

Concen: 54.978 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

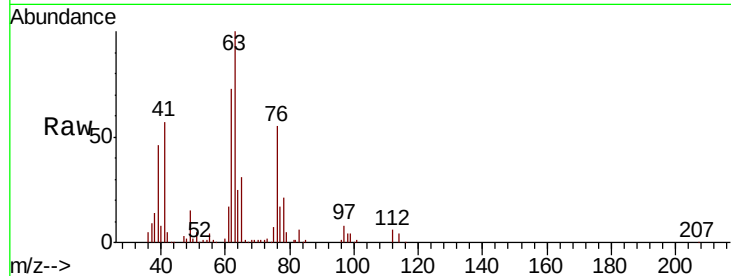
VSTDCCC050

Tot Ion: 63 Resp: 130420

Ion Ratio Lower Upper

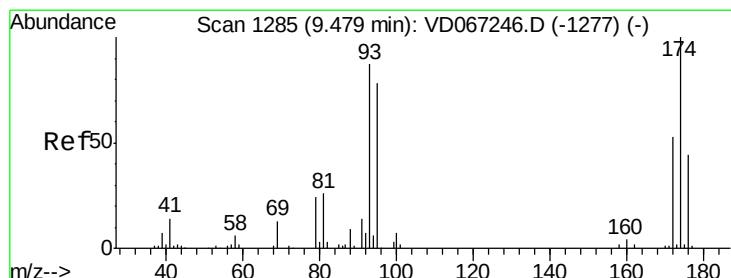
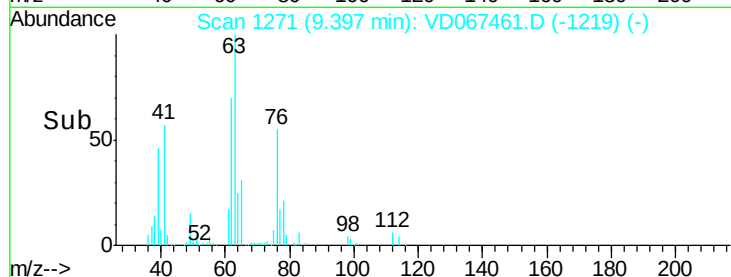
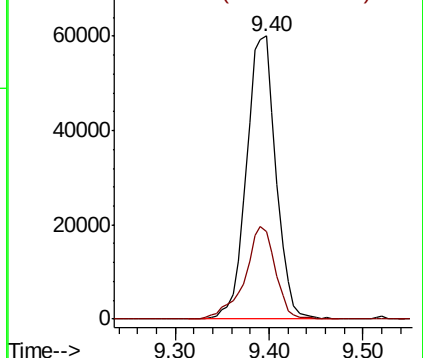
63 100

65 30.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.068 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

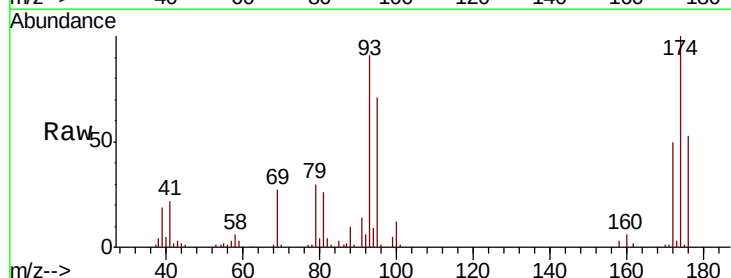
Tgt Ion: 93 Resp: 78436

Ion Ratio Lower Upper

93 100

95 84.0 68.0 102.0

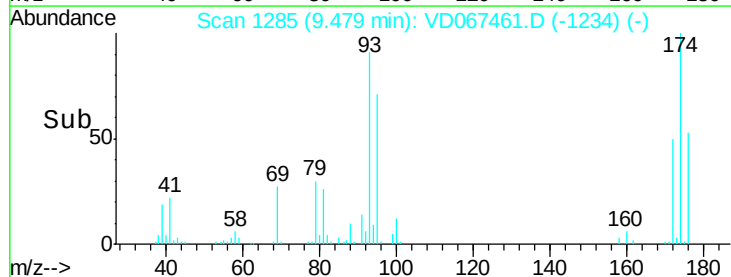
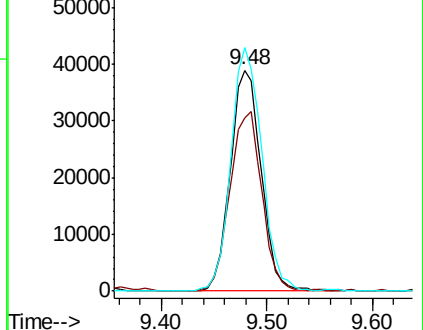
174 110.2 91.8 137.6

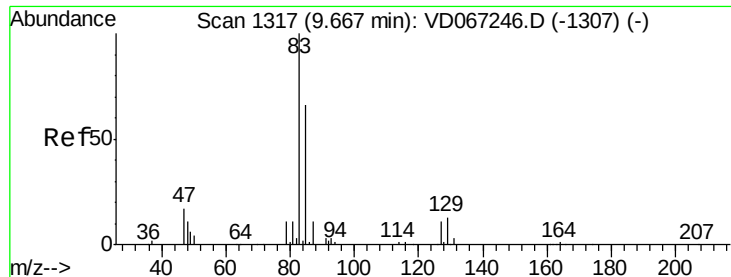


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 55.986 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

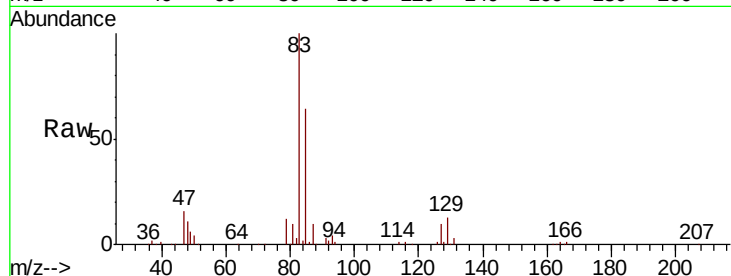
Tot Ion: 83 Resp: 221700

Ion Ratio Lower Upper

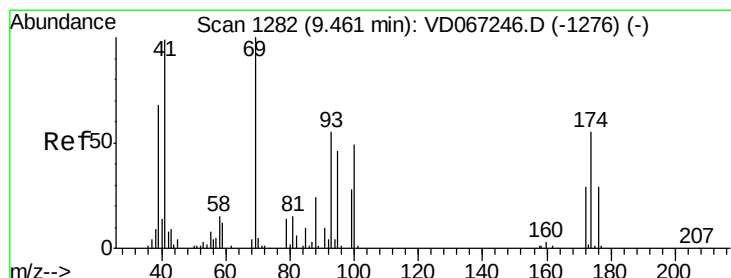
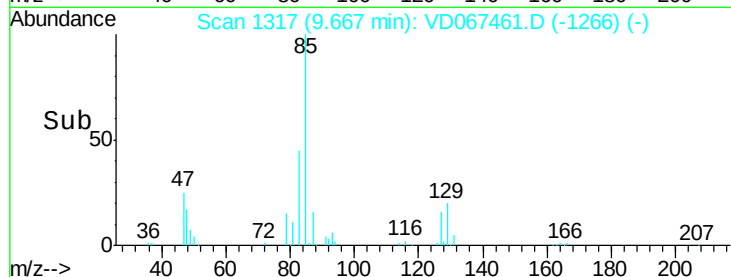
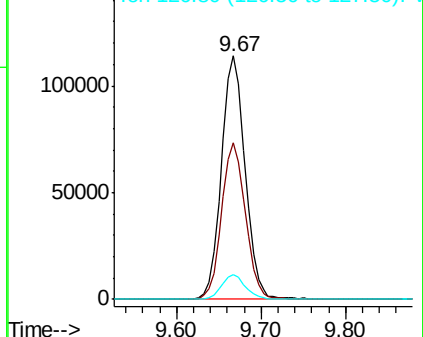
83 100

85 64.1 53.1 79.7

127 9.9 8.6 13.0



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



#48

Methyl methacrylate

Concen: 51.508 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

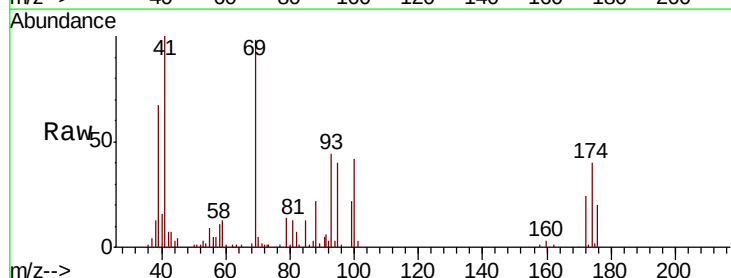
Tgt Ion: 41 Resp: 54524

Ion Ratio Lower Upper

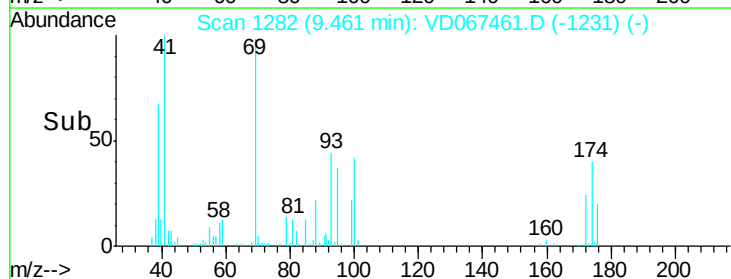
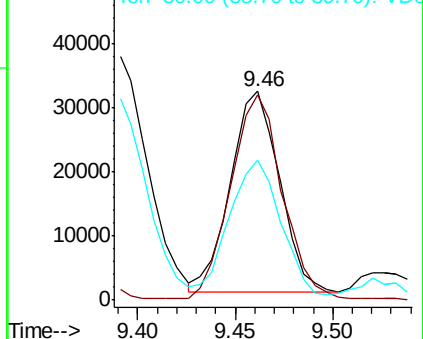
41 100

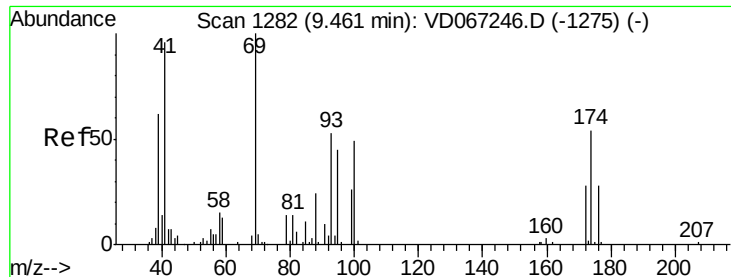
69 108.0 89.0 133.6

39 76.1 60.2 90.2



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

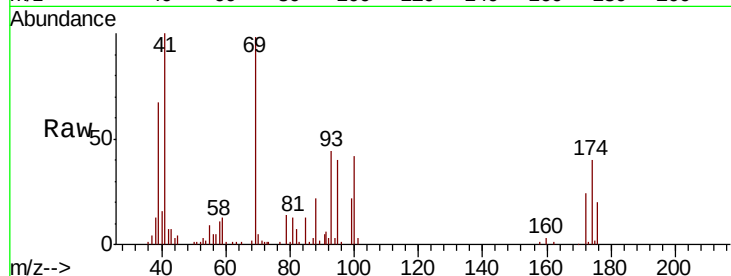




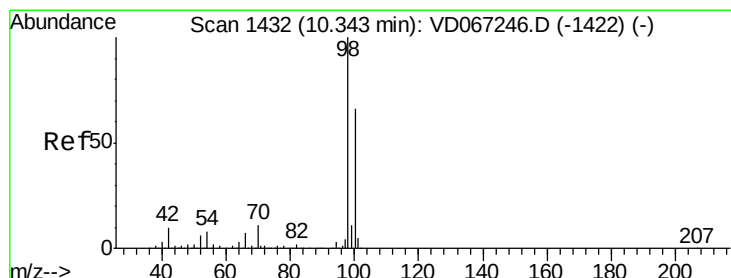
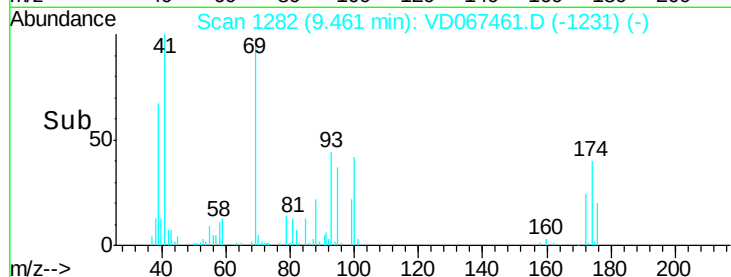
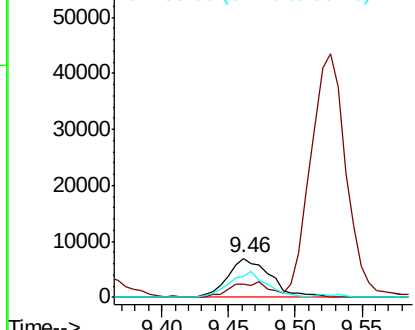
#49
1,4-Dioxane
Concen: 1085.641 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 15491
Ion Ratio Lower Upper
88 100
43 34.5 23.9 35.9
58 58.5 51.0 76.6

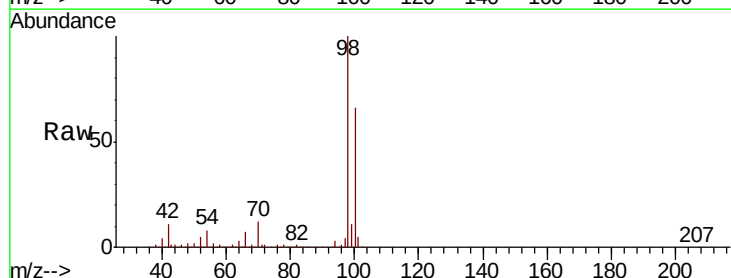


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

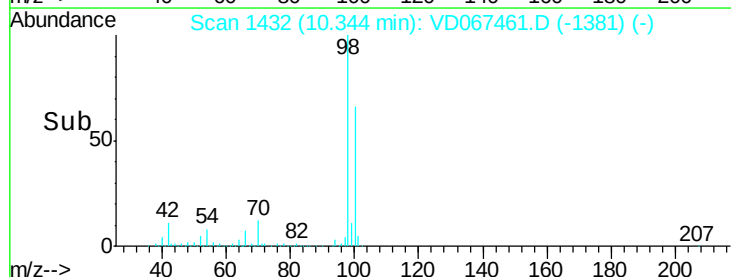
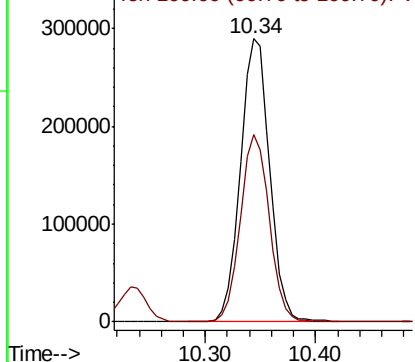


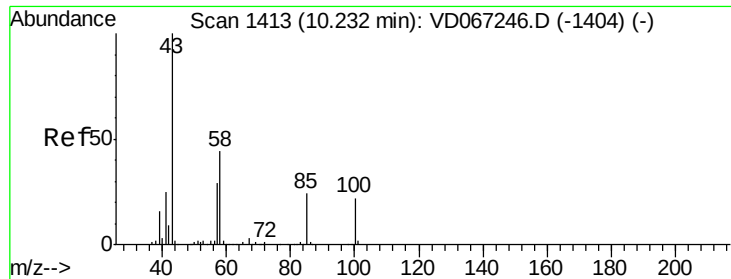
#50
Toluene-d8
Concen: 50.810 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion: 98 Resp: 538692
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



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: 260.791 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

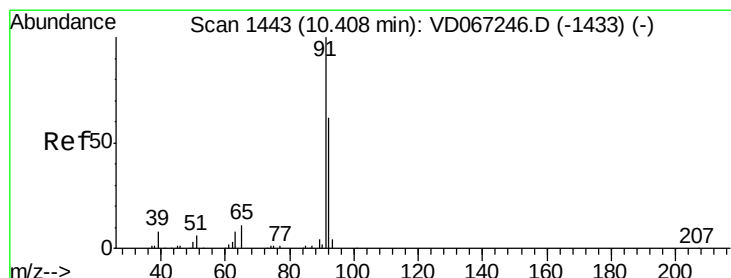
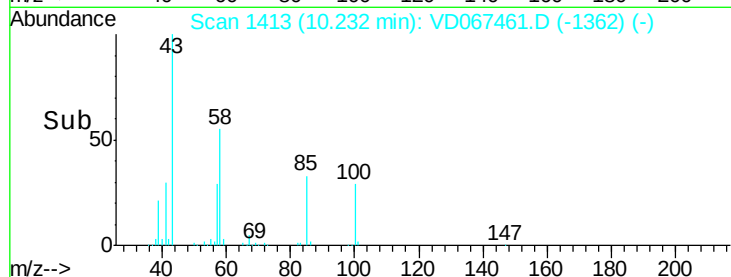
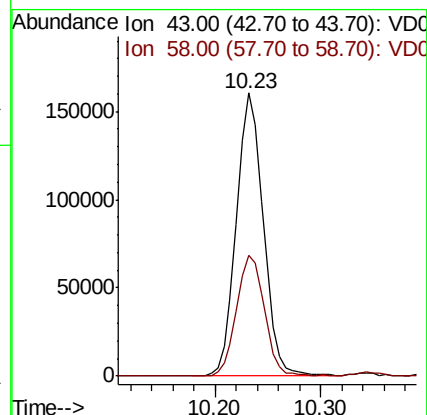
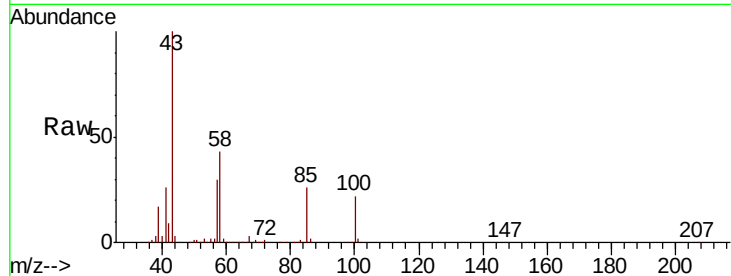
VSTDCCC050

Tot Ion: 43 Resp: 283331

Ion Ratio Lower Upper

43 100

58 44.0 35.7 53.5



#52

Toluene

Concen: 55.319 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067461.D

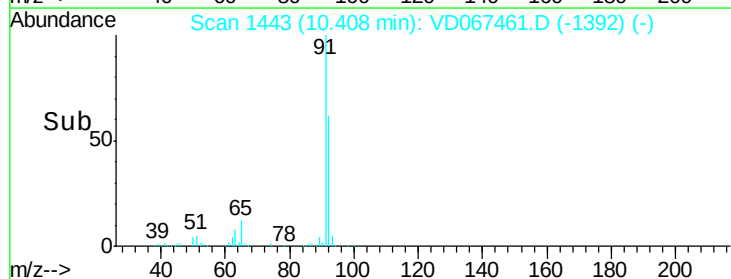
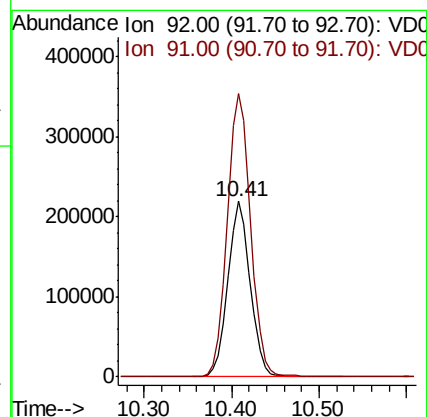
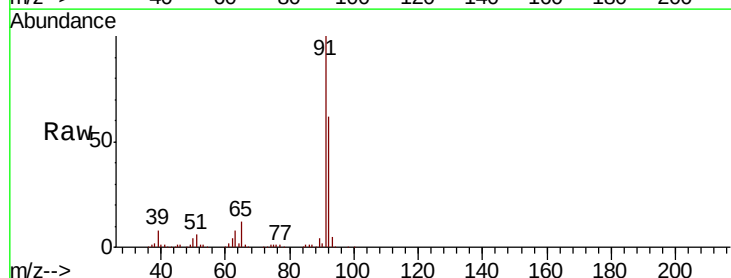
Acq: 30 Oct 2020 09:43

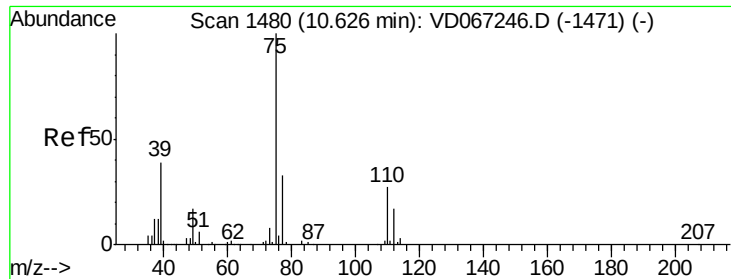
Tgt Ion: 92 Resp: 385661

Ion Ratio Lower Upper

92 100

91 168.7 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 55.354 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

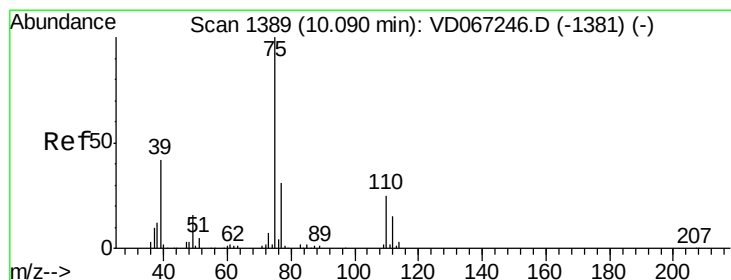
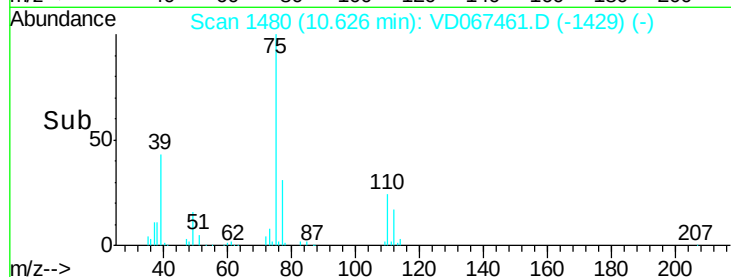
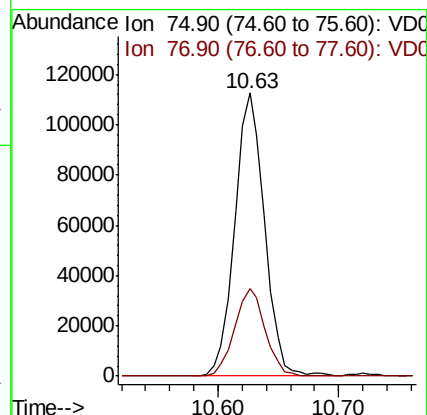
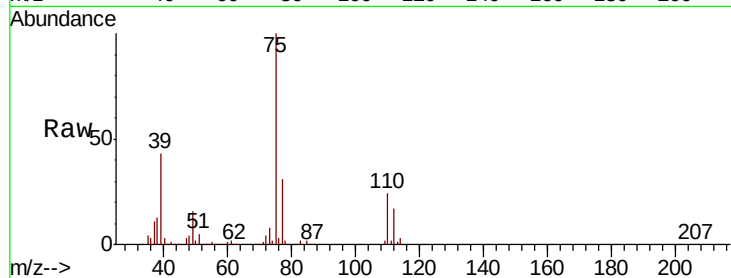
VSTDCCC050

Tot Ion: 75 Resp: 192556

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 54.159 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

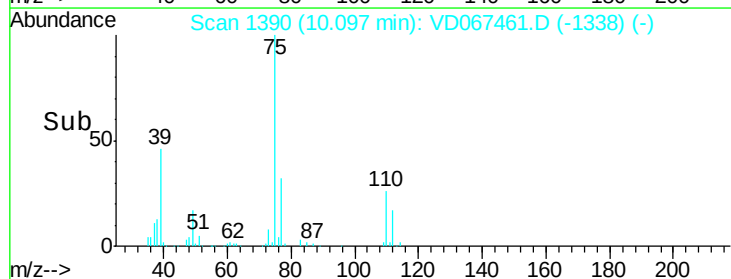
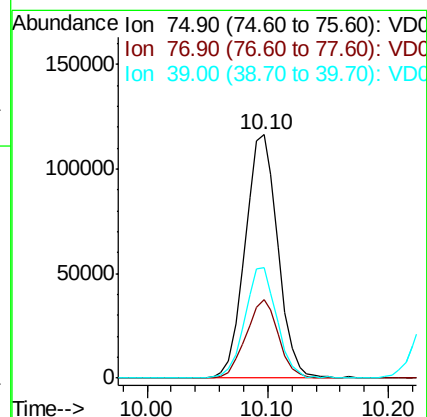
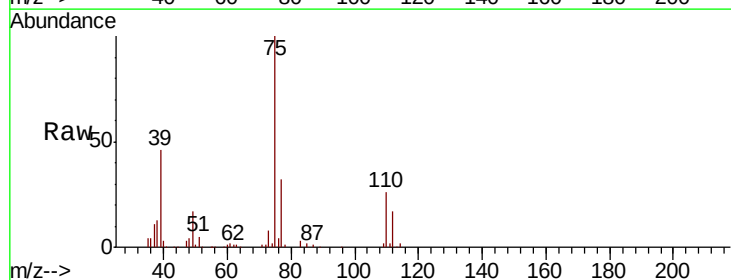
Tgt Ion: 75 Resp: 220486

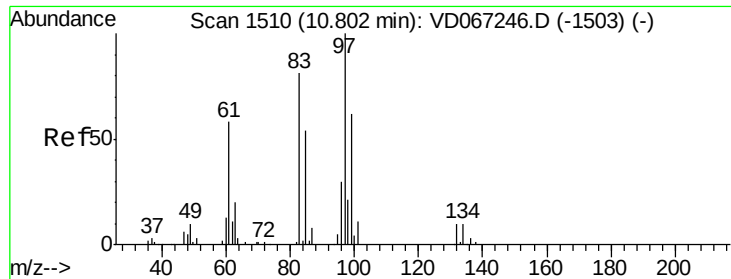
Ion Ratio Lower Upper

75 100

77 32.5 24.5 36.7

39 45.5 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 54.086 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 109009

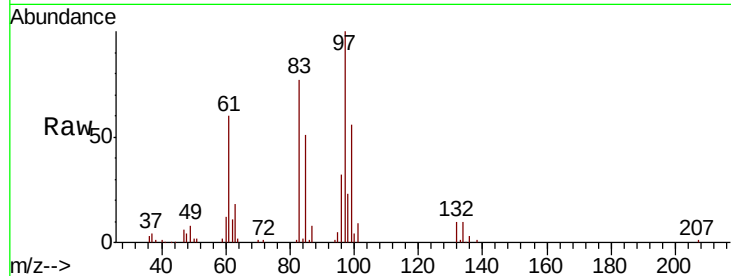
Ion Ratio Lower Upper

97 100

83 77.1 64.9 97.3

85 51.3 43.3 64.9

99 56.2 49.1 73.7

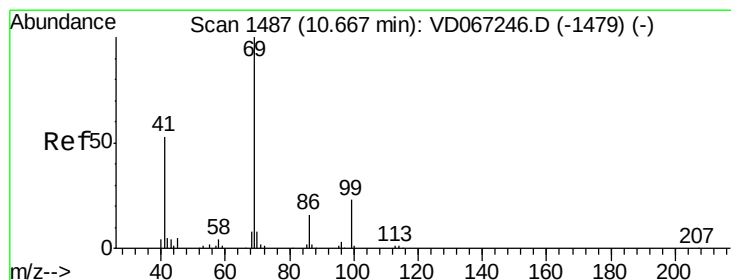
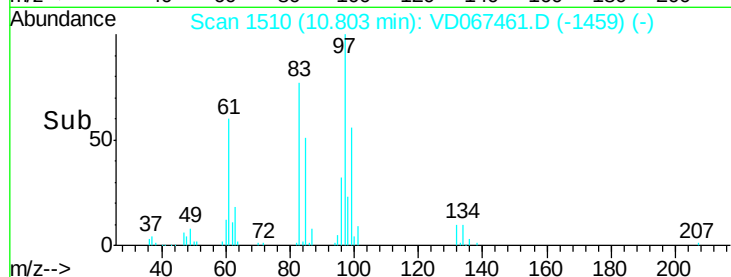
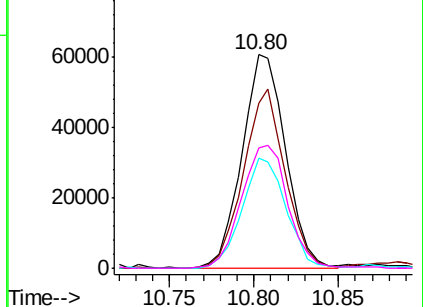


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 54.996 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

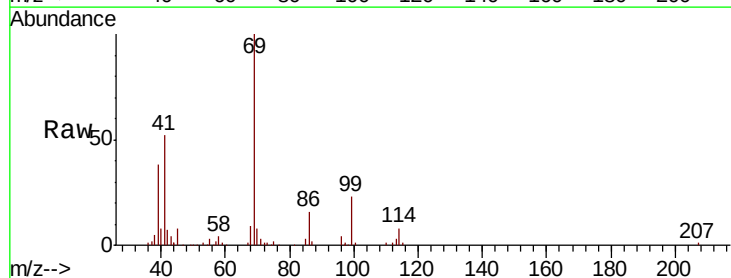
Tgt Ion: 69 Resp: 114956

Ion Ratio Lower Upper

69 100

41 53.0 44.7 67.1

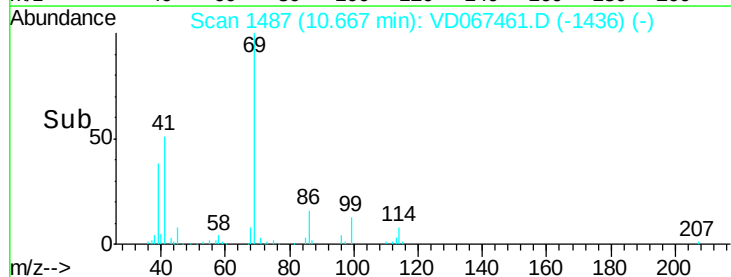
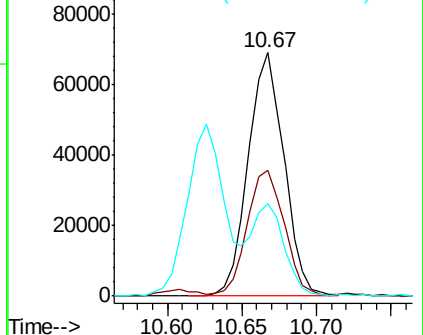
39 33.9 26.2 39.2

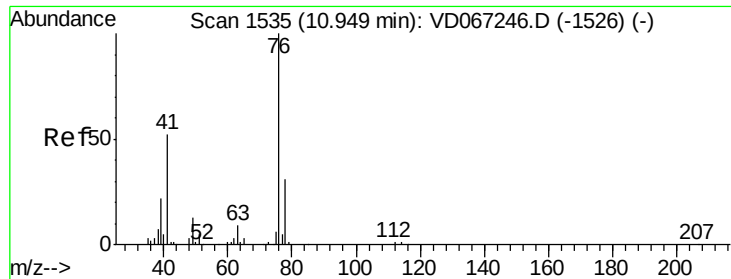


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 54.010 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

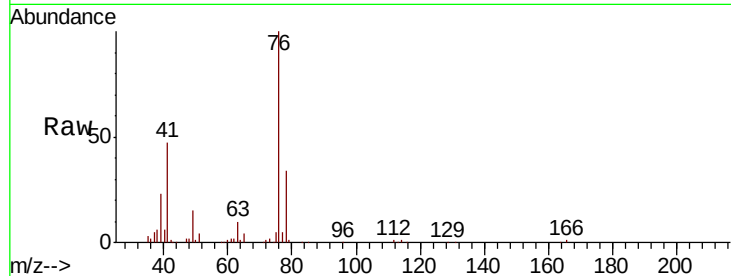
VSTDCCC050

Tot Ion: 76 Resp: 173236

Ion Ratio Lower Upper

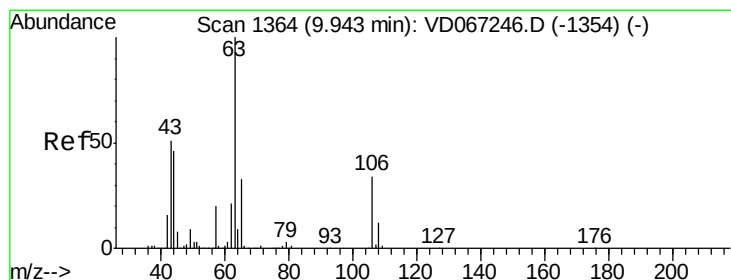
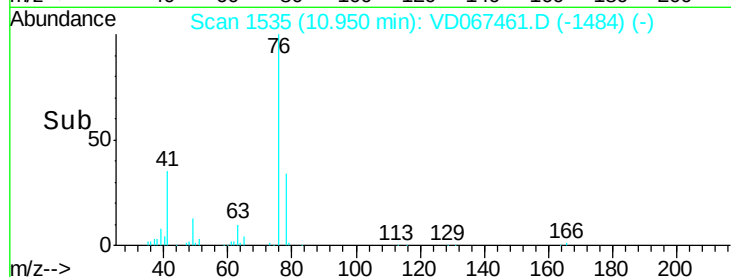
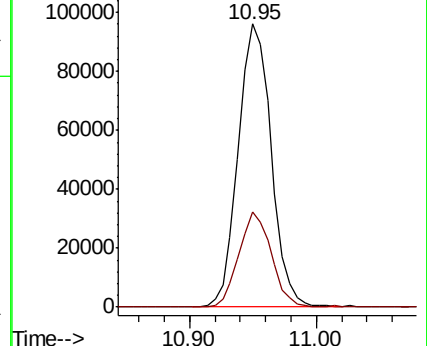
76 100

78 33.1 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 256.087 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067461.D

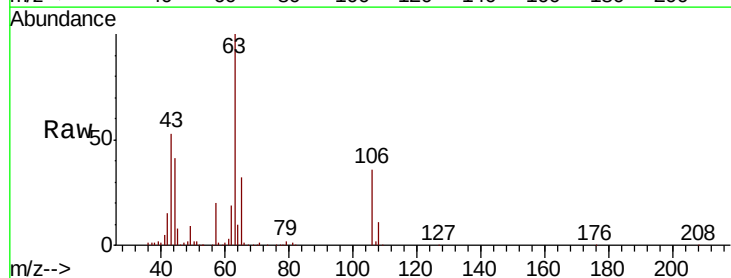
Acq: 30 Oct 2020 09:43

Tgt Ion: 63 Resp: 274604

Ion Ratio Lower Upper

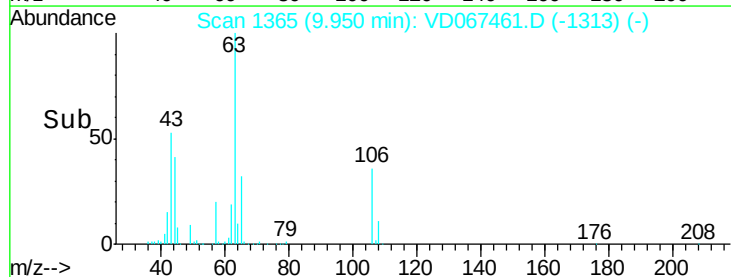
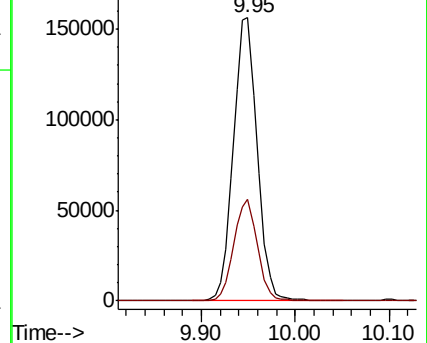
63 100

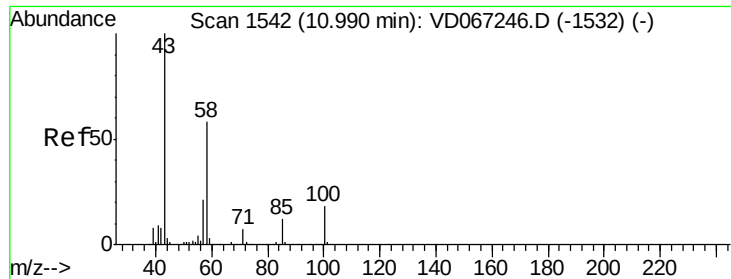
106 35.6 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

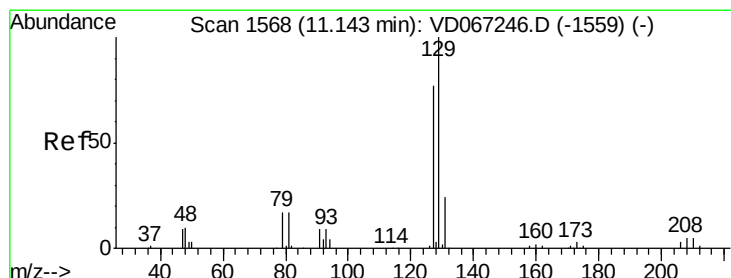
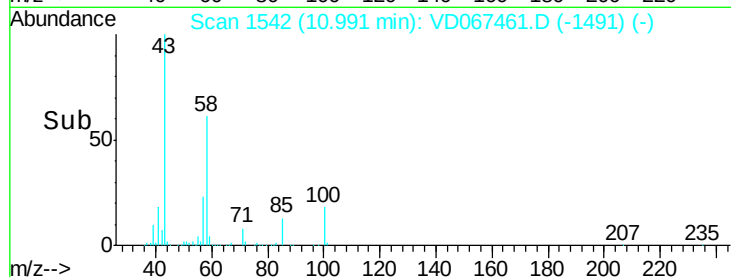
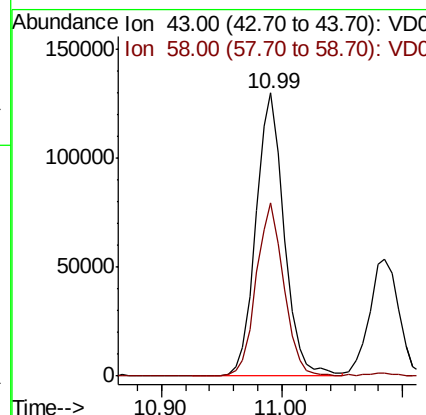
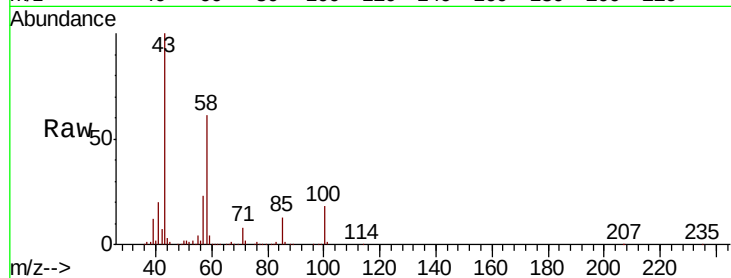




#59
2-Hexanone
Concen: 285.302 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

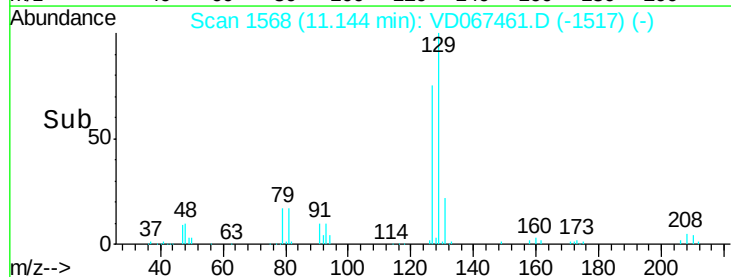
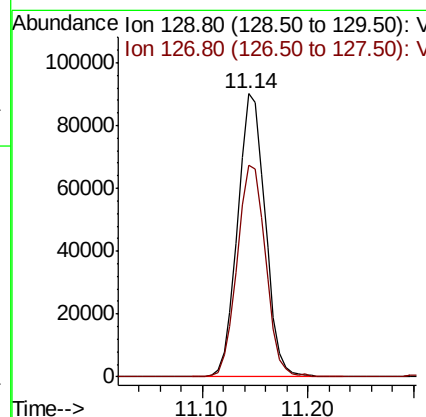
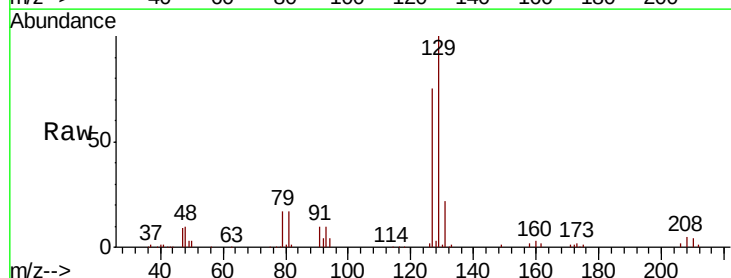
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

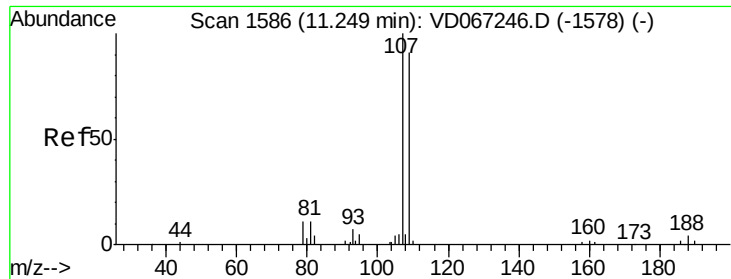
Tot Ion: 43 Resp: 211806
Ion Ratio Lower Upper
43 100
58 60.1 29.3 87.9



#60
Dibromochloromethane
Concen: 55.328 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion: 129 Resp: 162624
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8

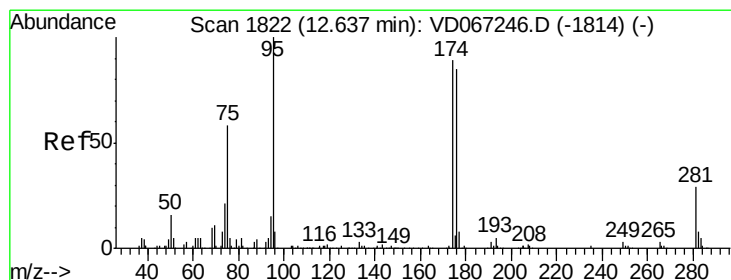
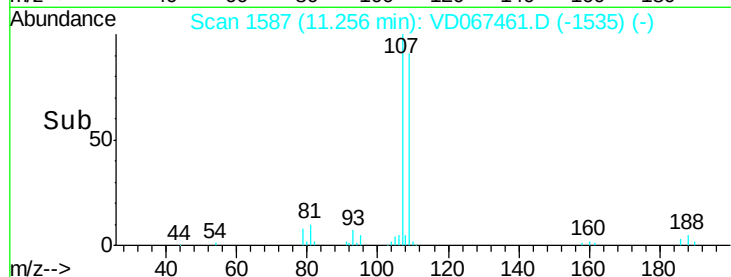
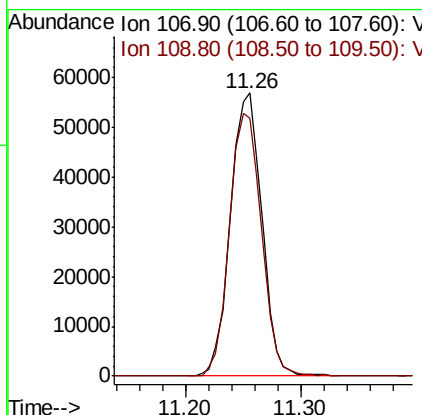
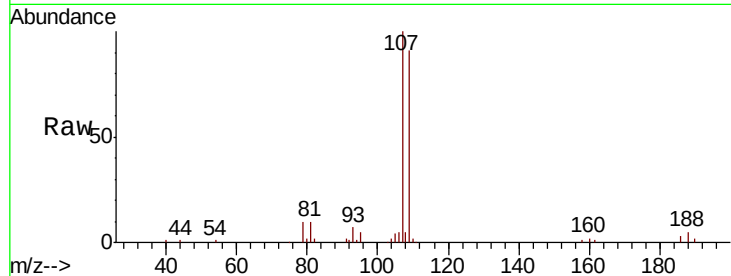




#61
 1,2-Dibromoethane
 Concen: 54.115 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

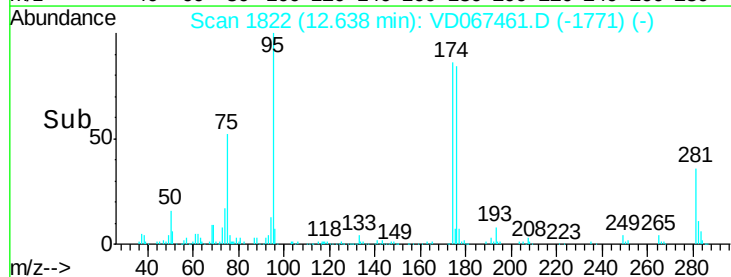
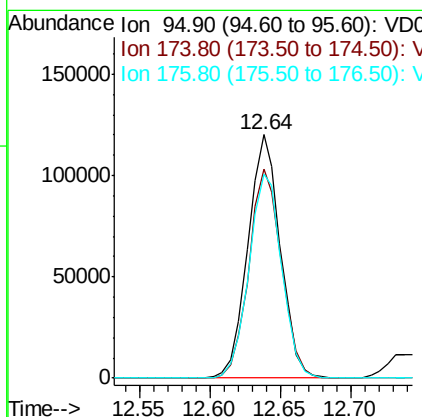
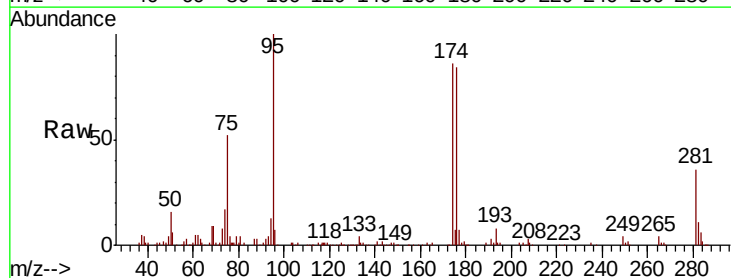
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

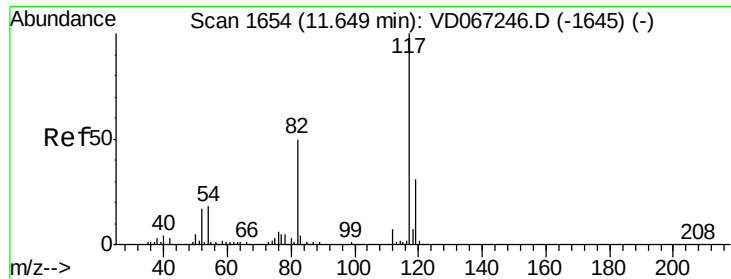
Tot Ion: 107 Resp: 107525
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 52.429 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion: 95 Resp: 193282
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 175.2
 176 84.9 0.0 168.6

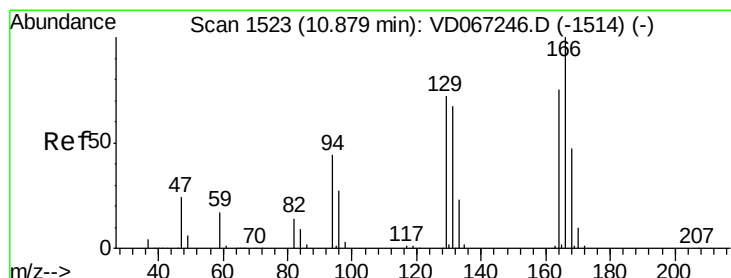
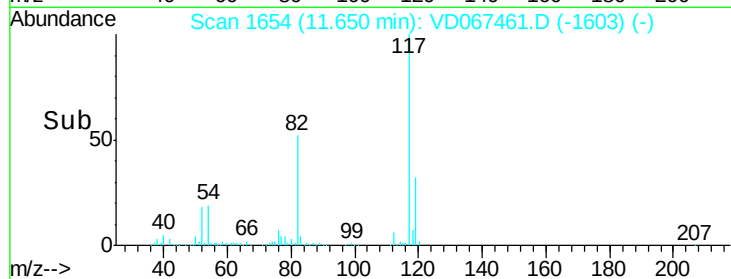
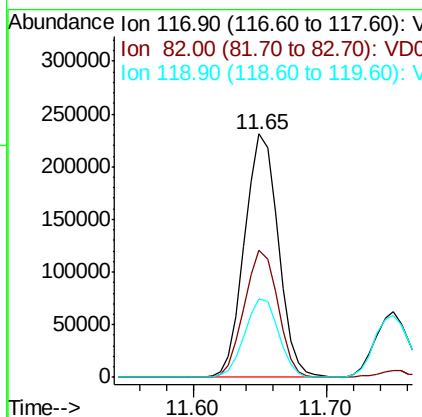
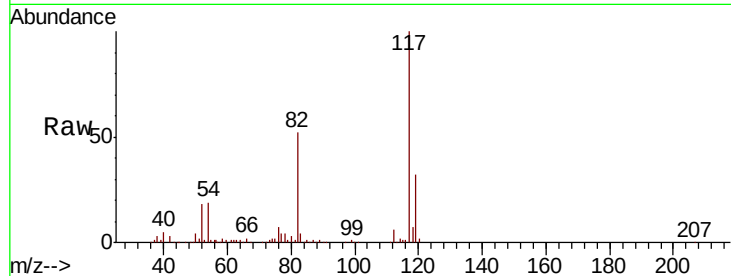




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

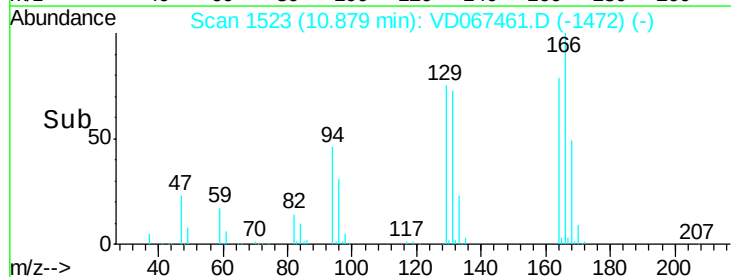
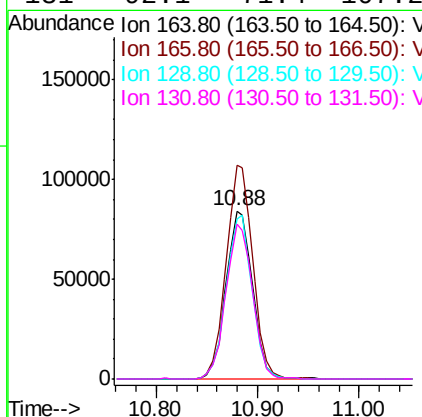
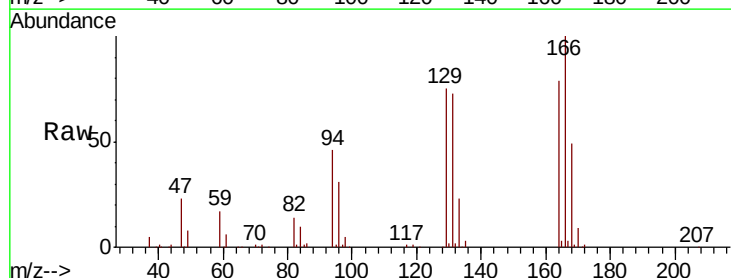
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

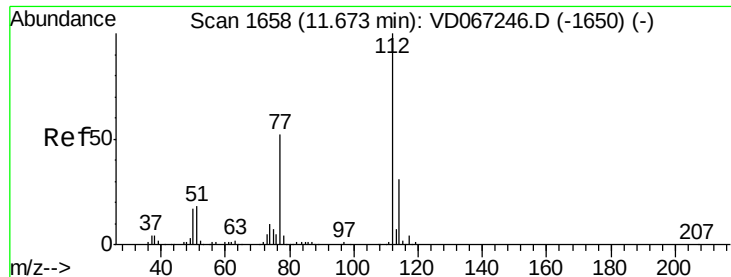
Tot Ion:117 Resp: 403805
Ion Ratio Lower Upper
117 100
82 52.1 39.9 59.9
119 32.1 24.9 37.3



#64
Tetrachloroethene
Concen: 52.308 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion:164 Resp: 153038
Ion Ratio Lower Upper
164 100
166 126.9 107.3 160.9
129 95.0 77.3 115.9
131 92.1 71.4 107.2

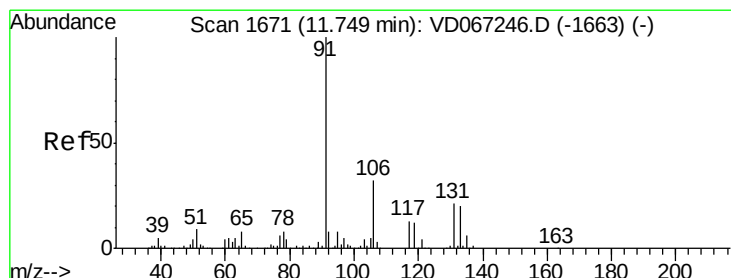
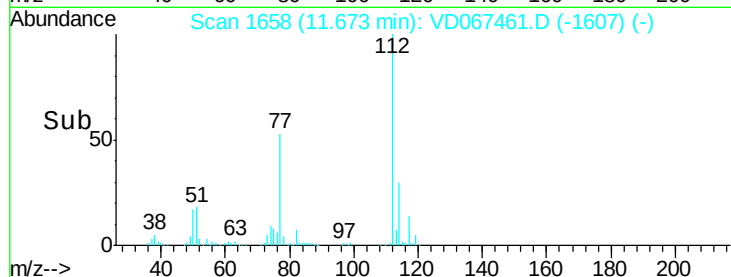
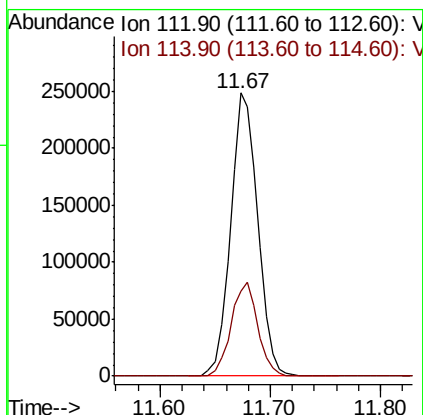
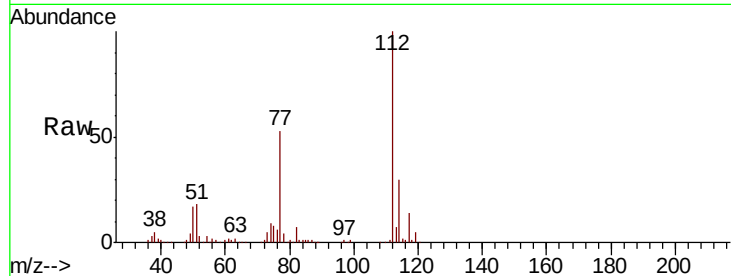




#65
Chlorobenzene
Concen: 55.236 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

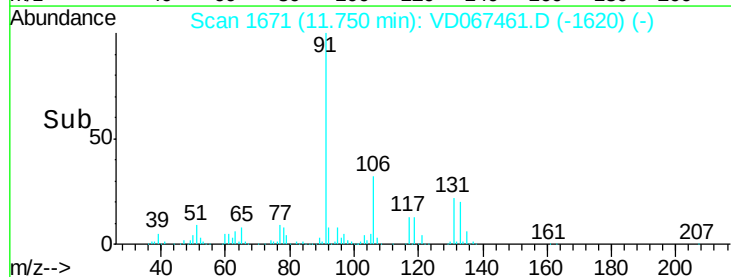
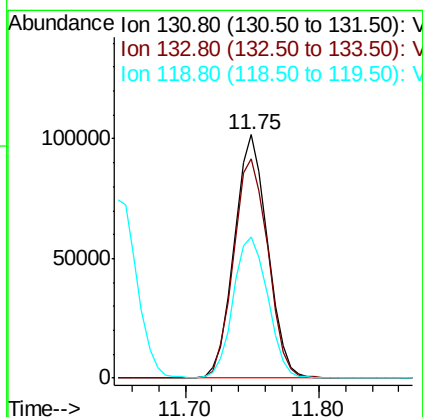
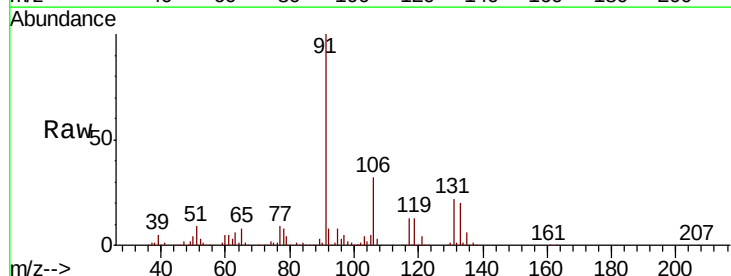
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

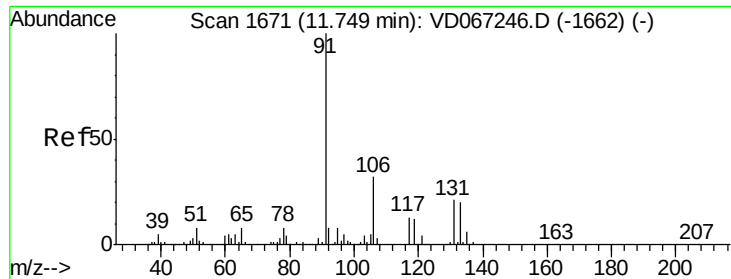
Tot Ion:112 Resp: 427718
Ion Ratio Lower Upper
112 100
114 30.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 57.395 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion:131 Resp: 176636
Ion Ratio Lower Upper
131 100
133 92.7 48.1 144.3
119 60.2 30.0 90.0





#67

Ethyl Benzene

Concen: 56.499 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

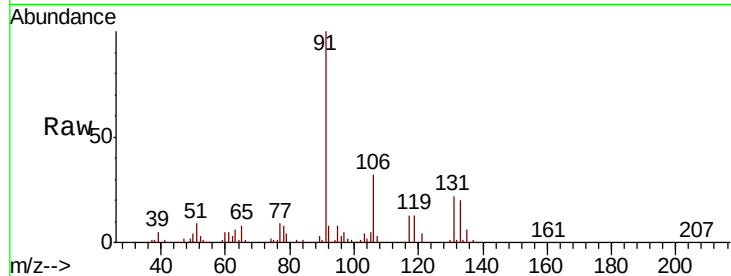
VSTDCCC050

Tot Ion: 91 Resp: 749949

Ion Ratio Lower Upper

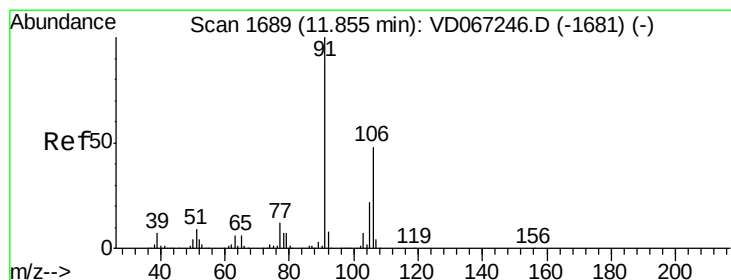
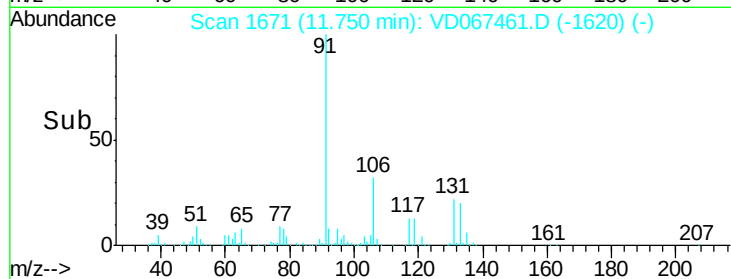
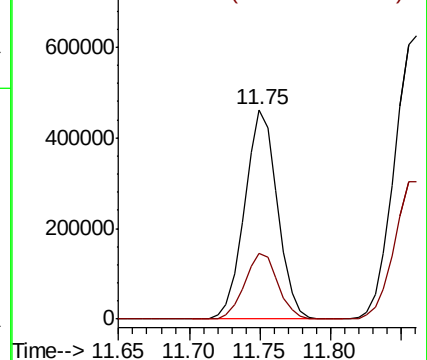
91 100

106 31.6 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 114.132 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067461.D

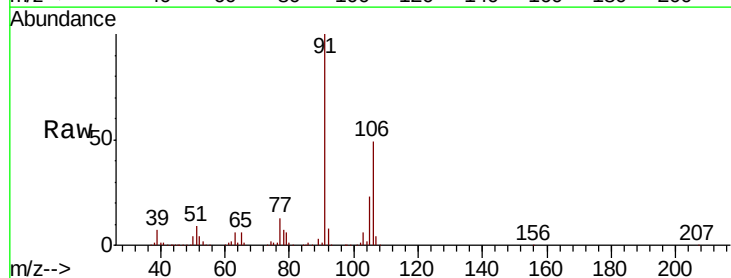
Acq: 30 Oct 2020 09:43

Tgt Ion: 106 Resp: 583384

Ion Ratio Lower Upper

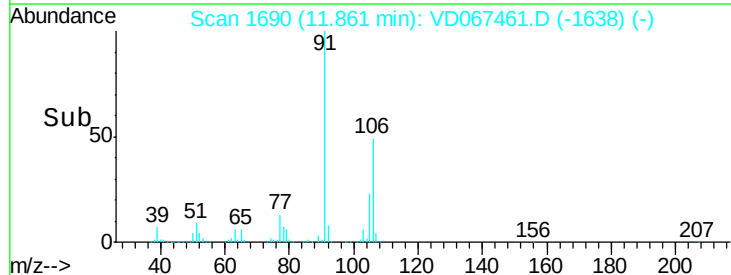
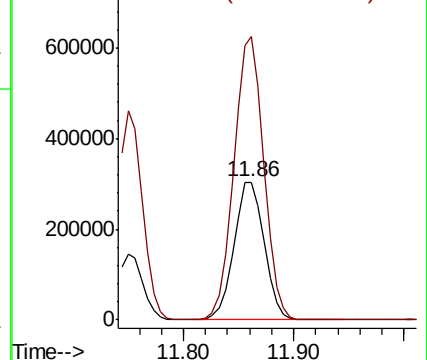
106 100

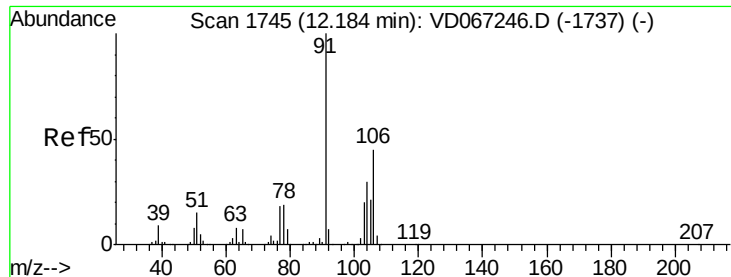
91 203.2 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

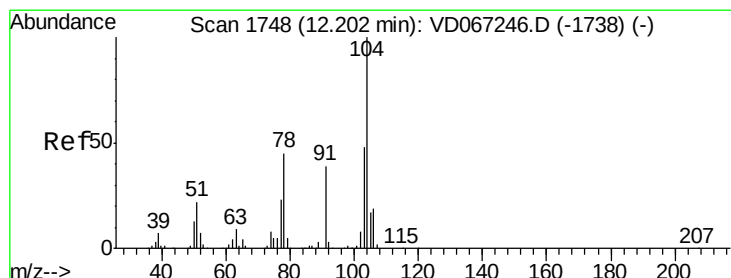
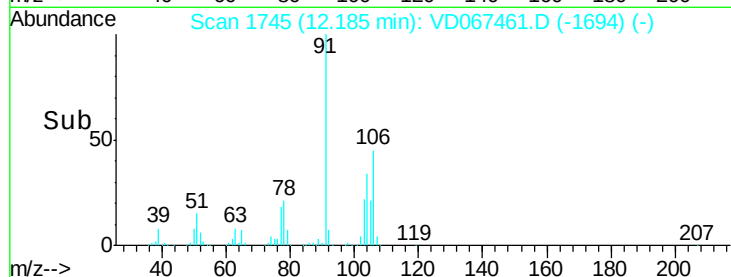
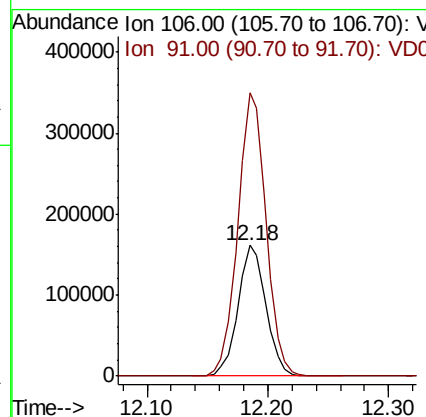
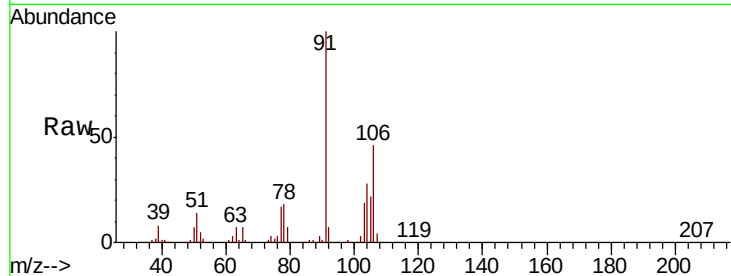




#69
o-Xylene
Concen: 55.057 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

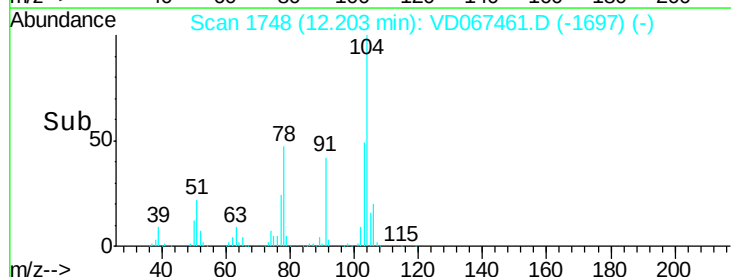
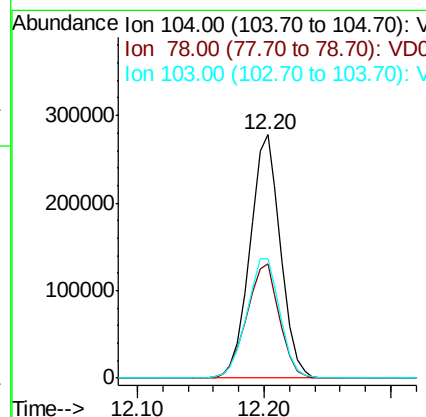
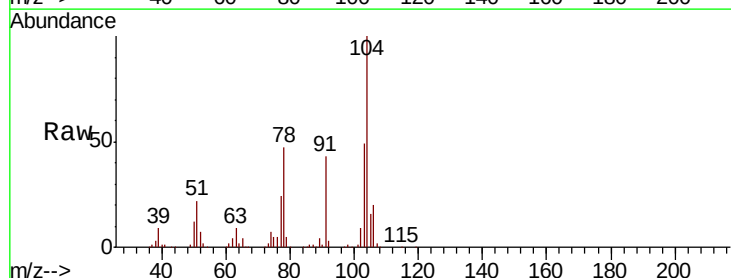
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

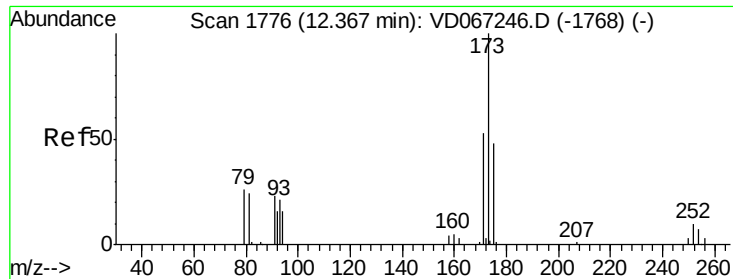
Tot Ion:106 Resp: 260600
Ion Ratio Lower Upper
106 100
91 218.3 109.1 327.3



#70
Styrene
Concen: 57.078 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion:104 Resp: 465071
Ion Ratio Lower Upper
104 100
78 50.5 39.8 59.6
103 53.5 42.6 64.0





#71

Bromoform

Concen: 53.971 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

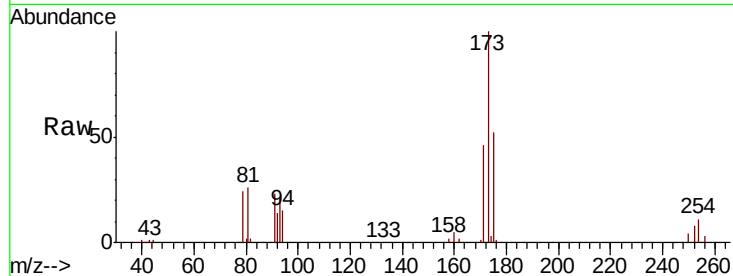
Tot Ion:173 Resp: 89233

Ion Ratio Lower Upper

173 100

175 50.3 24.2 72.6

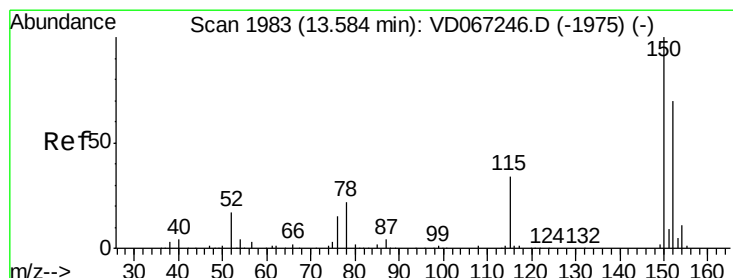
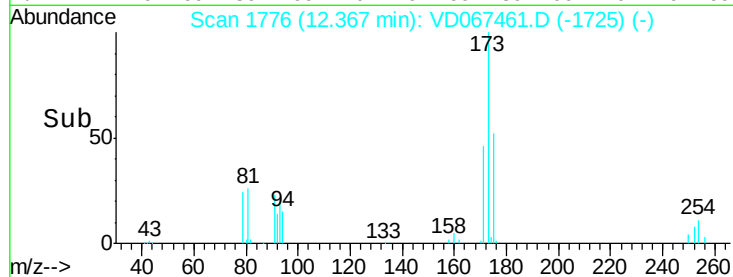
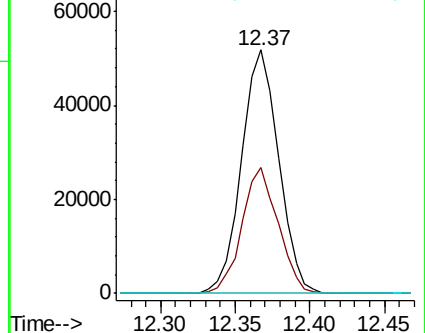
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

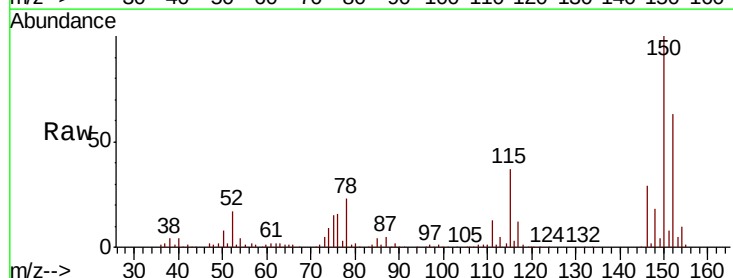
Tgt Ion:152 Resp: 210975

Ion Ratio Lower Upper

152 100

115 58.2 29.3 87.9

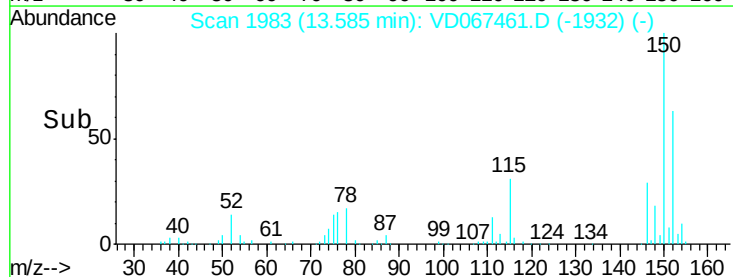
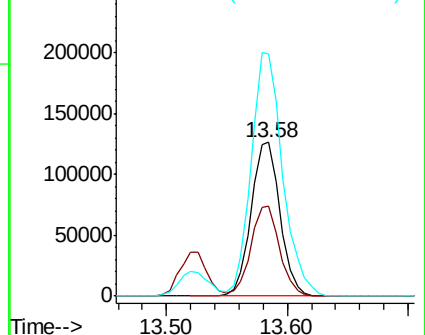
150 172.5 0.0 339.0

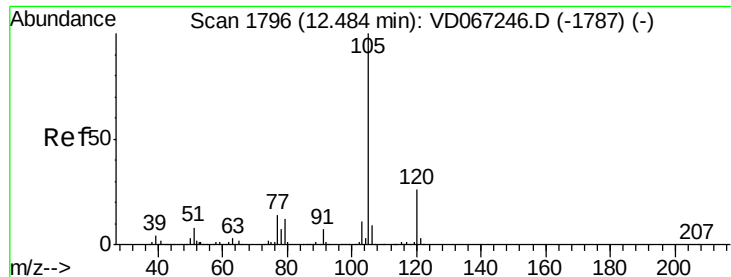


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.031 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

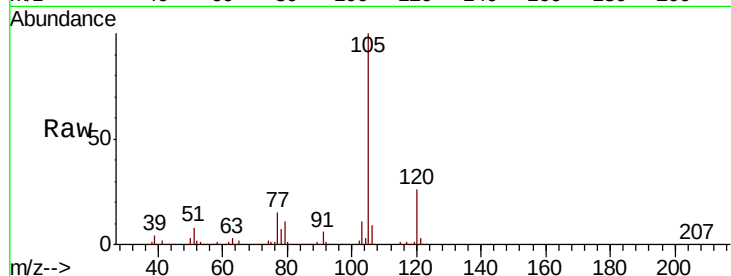
VSTDCCC050

Tot Ion:105 Resp: 763639

Ion Ratio Lower Upper

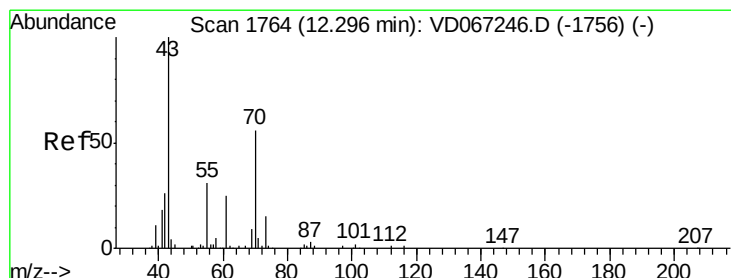
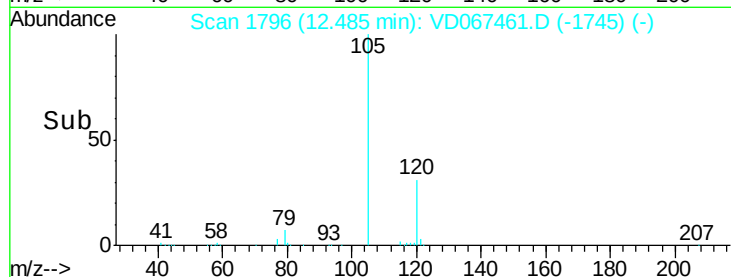
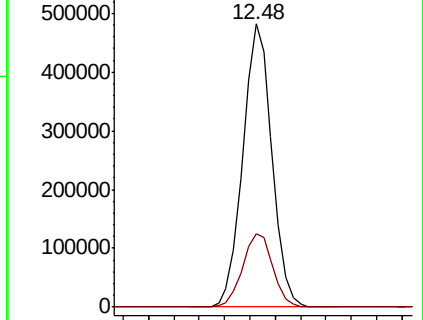
105 100

120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.461 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Tgt Ion: 43 Resp: 100026

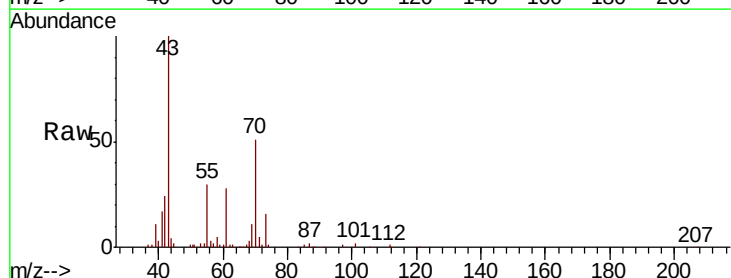
Ion Ratio Lower Upper

43 100

70 53.3 42.7 64.1

55 29.9 24.0 36.0

61 27.5 22.2 33.4

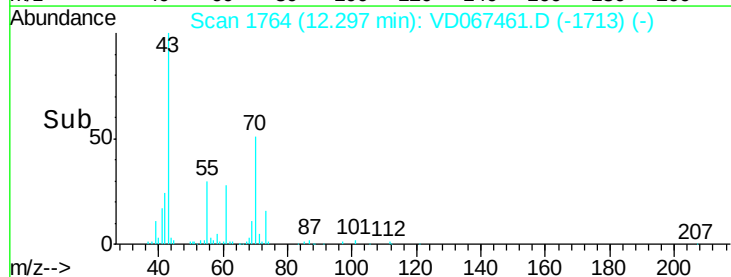
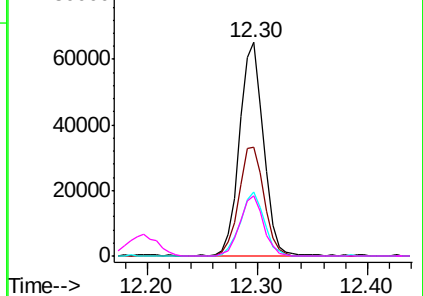


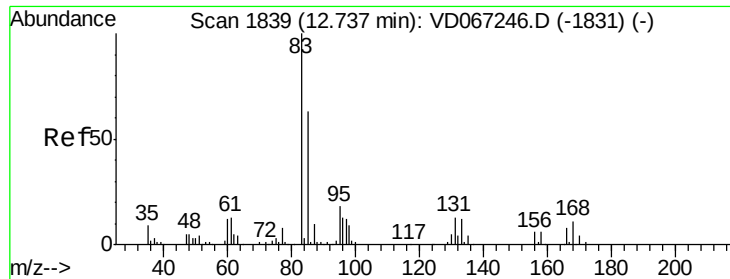
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.062 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

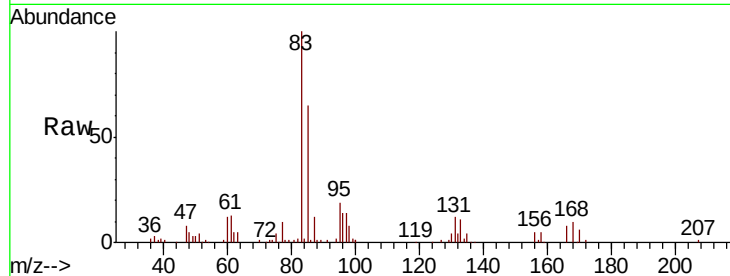
Tot Ion: 83 Resp: 102710

Ion Ratio Lower Upper

83 100

131 14.3 6.5 19.5

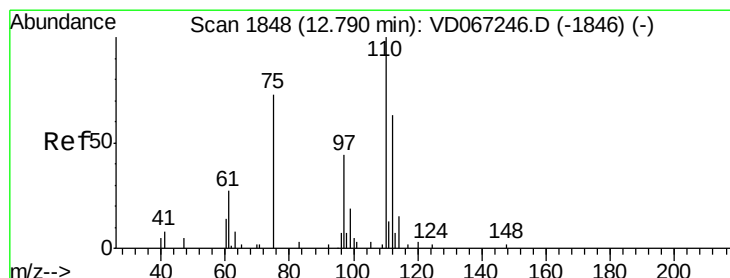
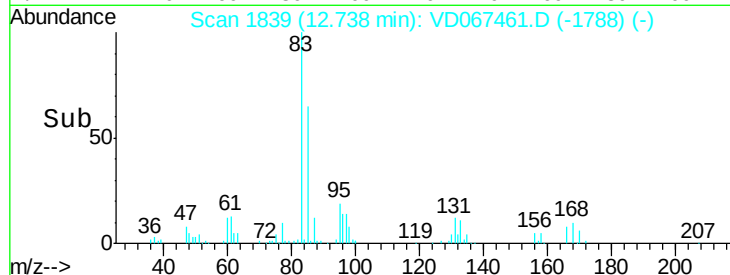
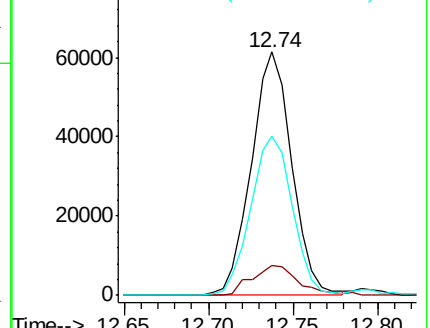
85 67.2 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 98.368 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067461.D

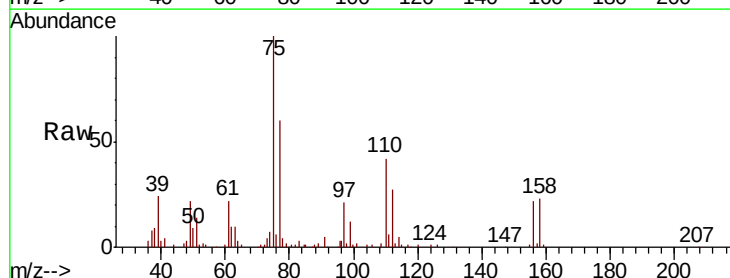
Acq: 30 Oct 2020 09:43

Tgt Ion: 75 Resp: 143839

Ion Ratio Lower Upper

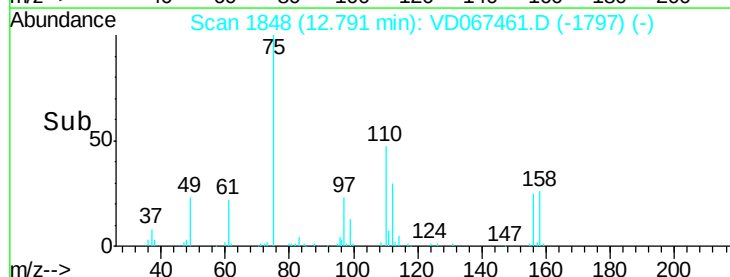
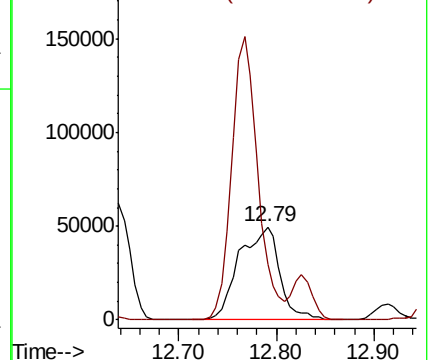
75 100

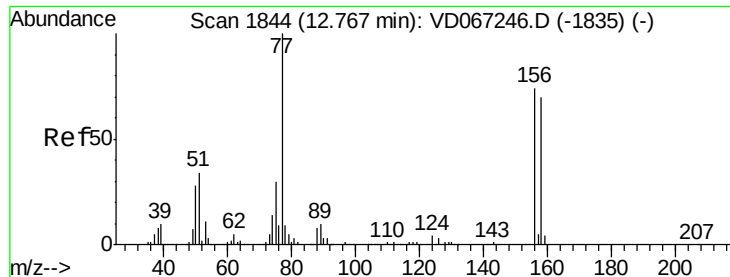
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 54.378 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

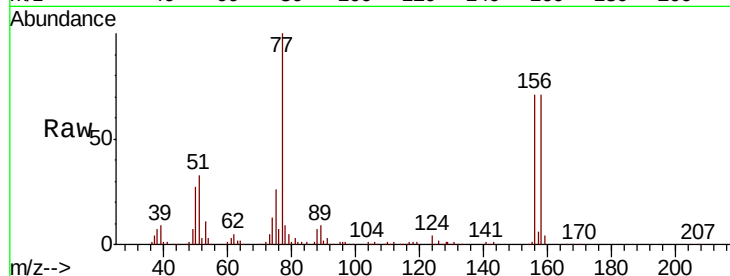
Tot Ion:156 Resp: 181526

Ion Ratio Lower Upper

156 100

77 156.2 78.0 233.8

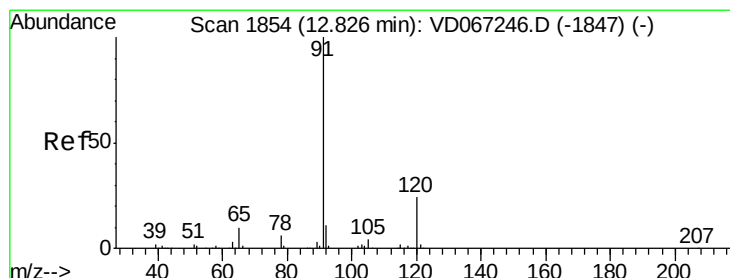
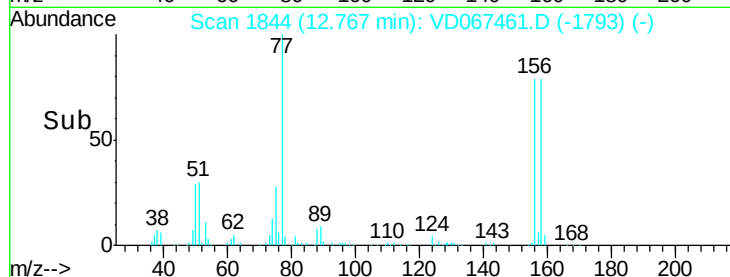
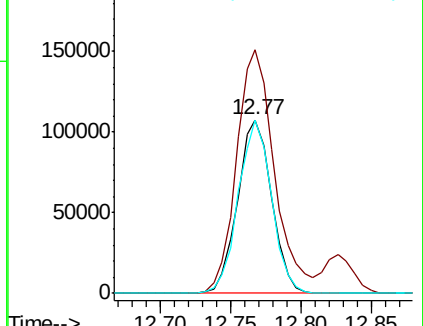
158 97.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.929 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067461.D

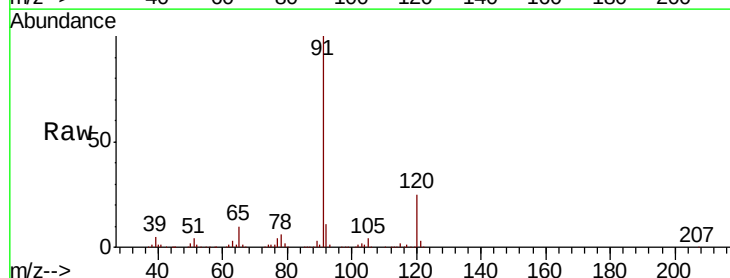
Acq: 30 Oct 2020 09:43

Tgt Ion: 91 Resp: 867672

Ion Ratio Lower Upper

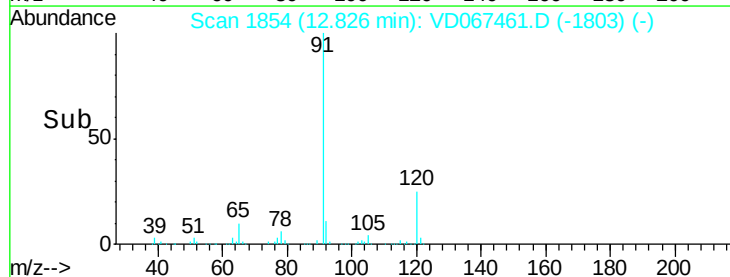
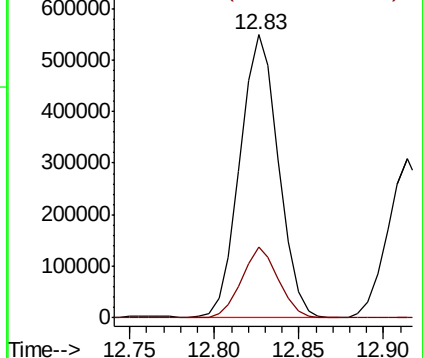
91 100

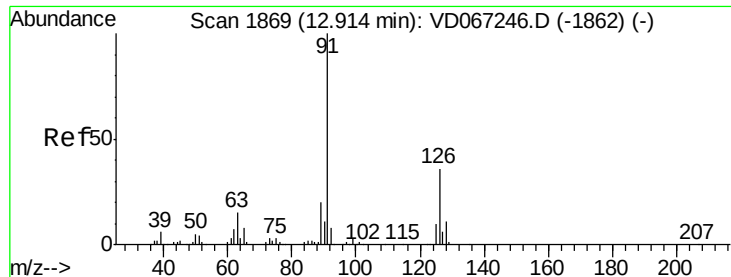
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.419 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampleId :

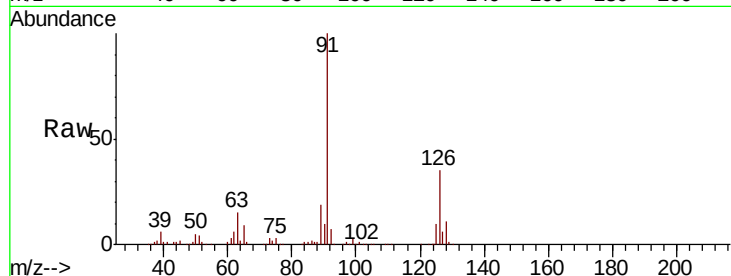
VSTDCCC050

Tot Ion: 91 Resp: 498596

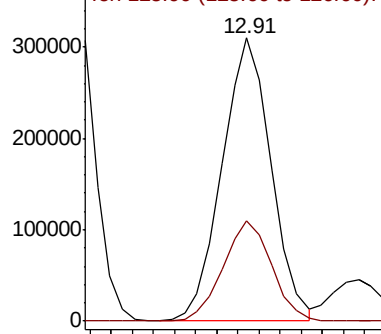
Ion Ratio Lower Upper

91 100

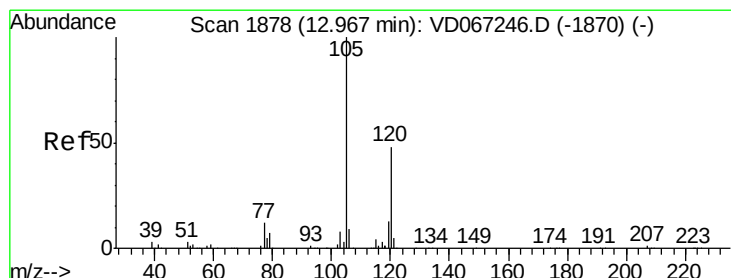
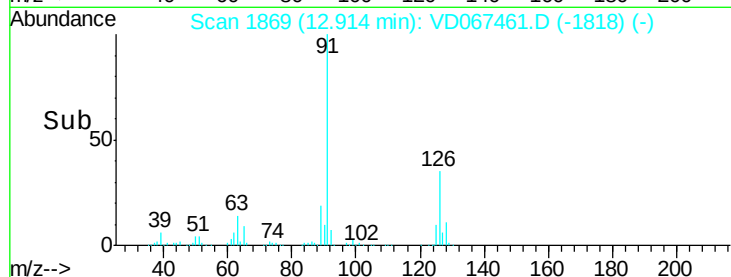
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 57.216 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067461.D

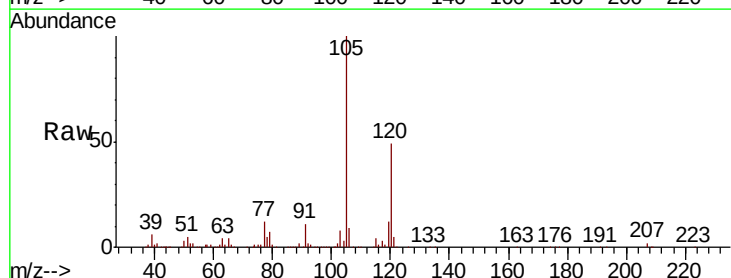
Acq: 30 Oct 2020 09:43

Tgt Ion:105 Resp: 665747

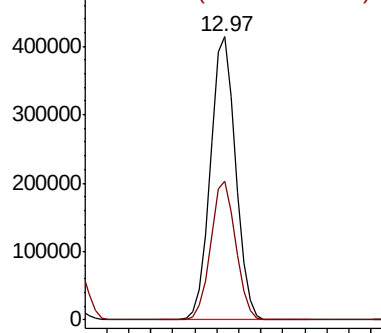
Ion Ratio Lower Upper

105 100

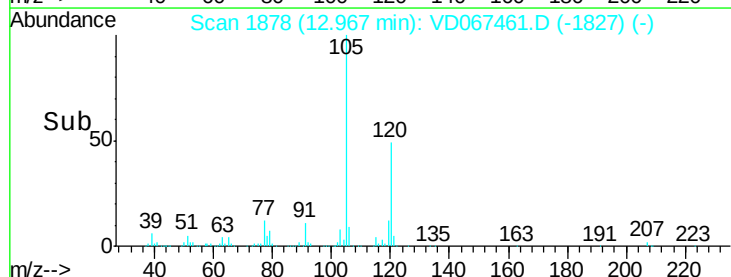
120 48.5 24.3 72.8

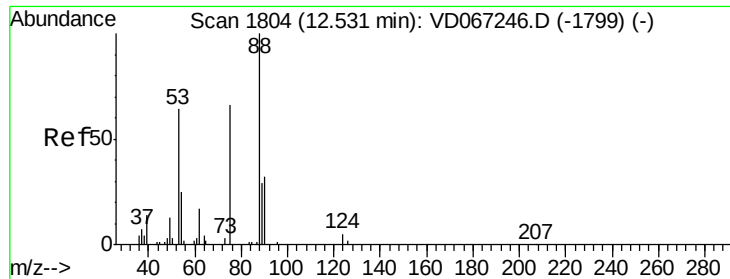


Abundance Ion 105.00 (104.70 to 105.70): V



Time-->

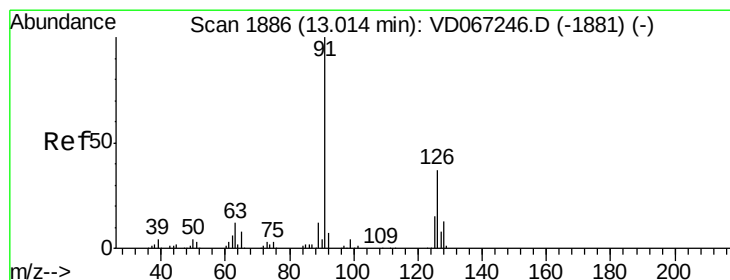
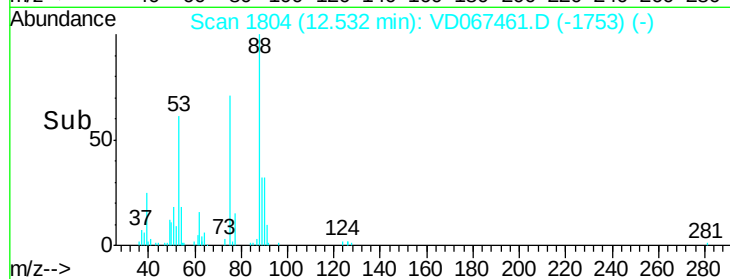
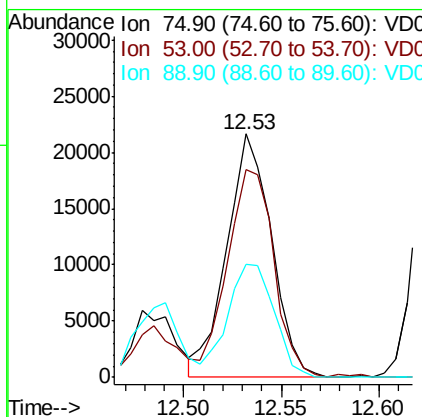
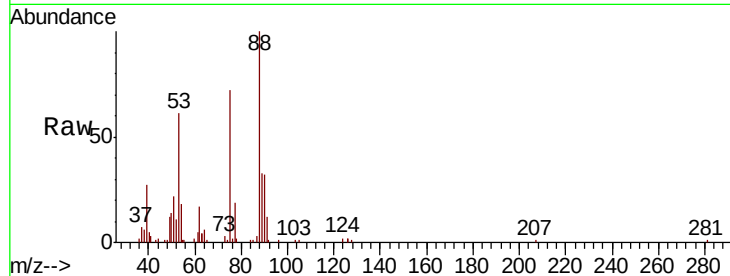




#81
trans-1,4-Dichloro-2-butene
Concen: 53.395 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

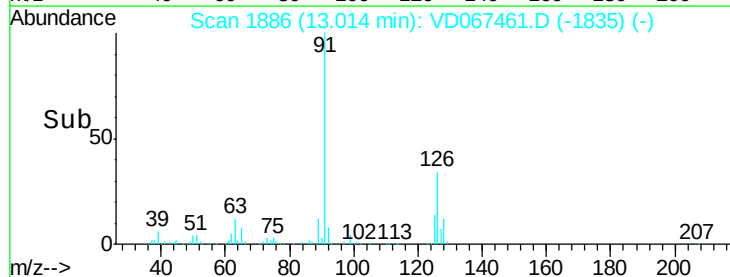
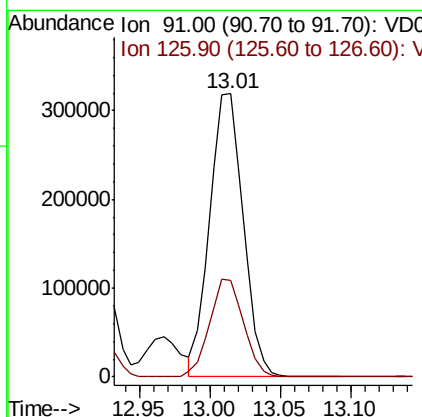
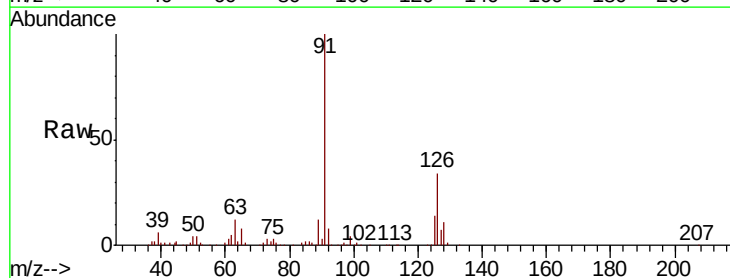
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

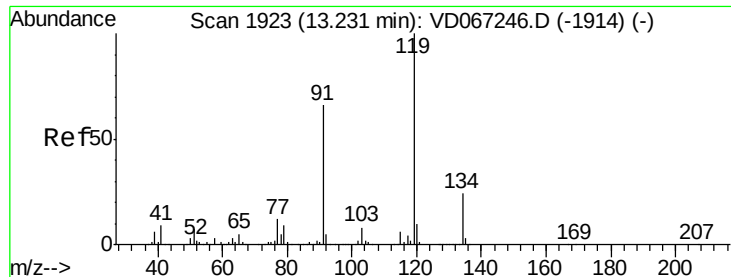
Tot Ion: 75 Resp: 34430
Ion Ratio Lower Upper
75 100
53 87.8 78.5 117.7
89 48.3 39.9 59.9



#82
4-Chlorotoluene
Concen: 55.129 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion: 91 Resp: 526416
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.5

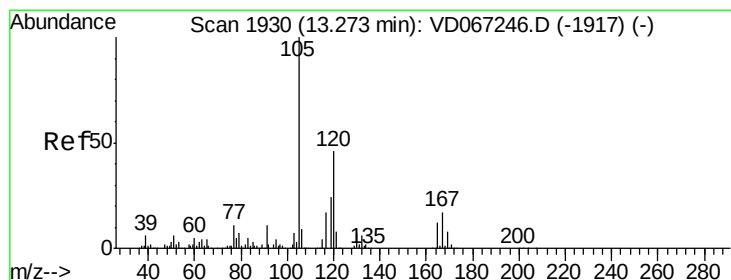
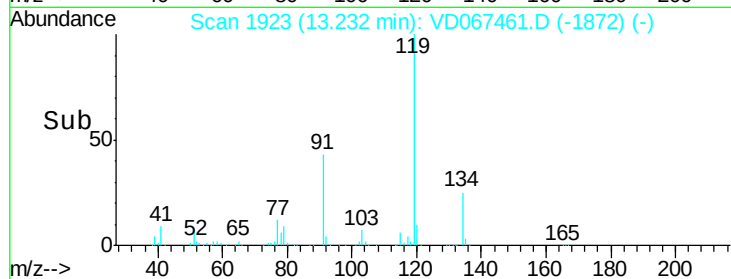
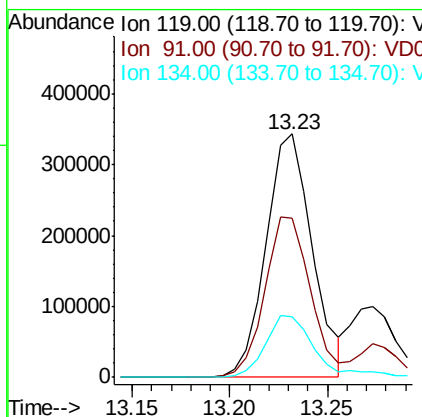
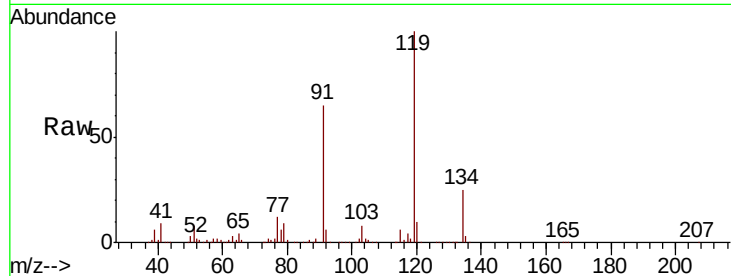




#83
 tert-Butylbenzene
 Concen: 57.379 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

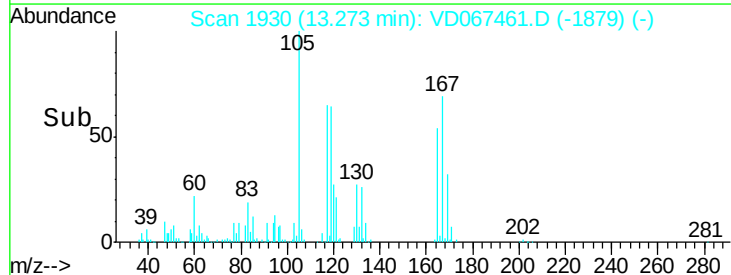
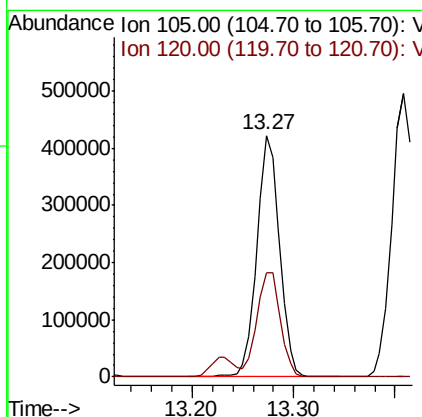
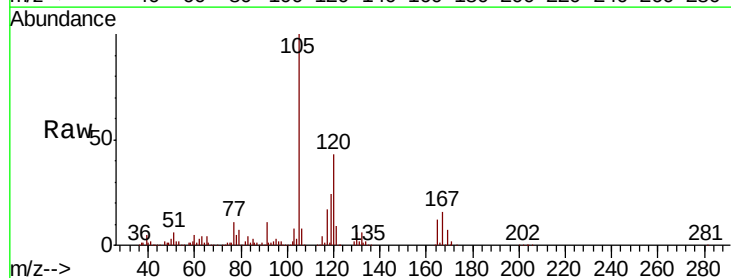
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

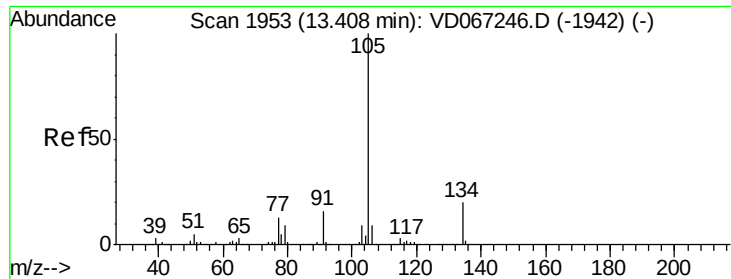
Tot Ion:119 Resp: 563966
 Ion Ratio Lower Upper
 119 100
 91 64.6 33.1 99.2
 134 27.2 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 56.935 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion:105 Resp: 654772
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.3





#85

sec-Butylbenzene

Concen: 56.817 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

Instrument :

MSVOA_D

ClientSampled :

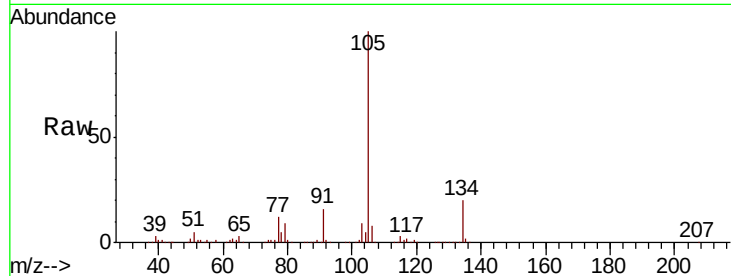
VSTDCCC050

Tot Ion:105 Resp: 766267

Ion Ratio Lower Upper

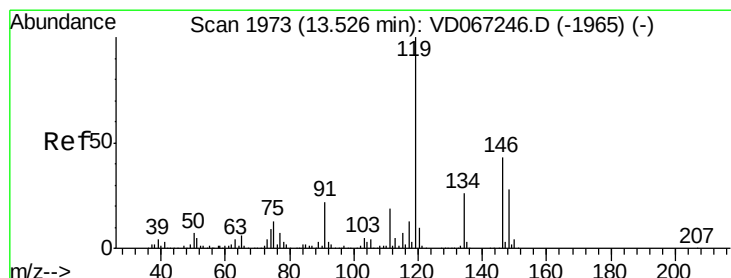
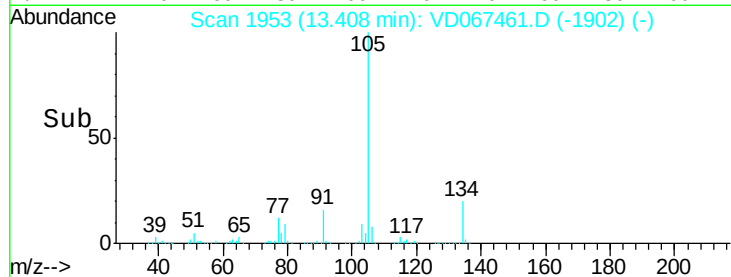
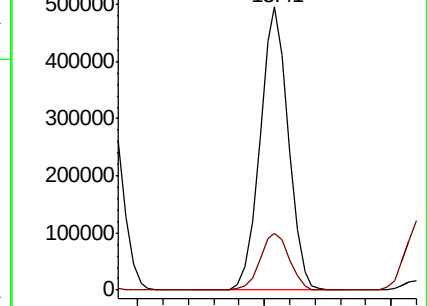
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.827 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067461.D

Acq: 30 Oct 2020 09:43

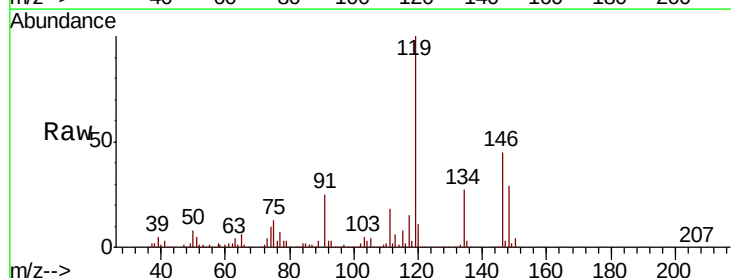
Tgt Ion:119 Resp: 723396

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

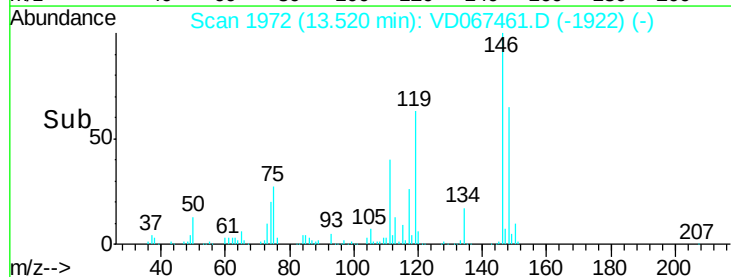
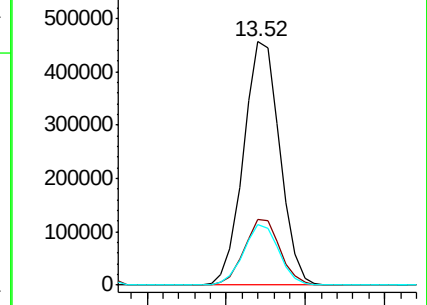
91 24.3 11.9 35.9

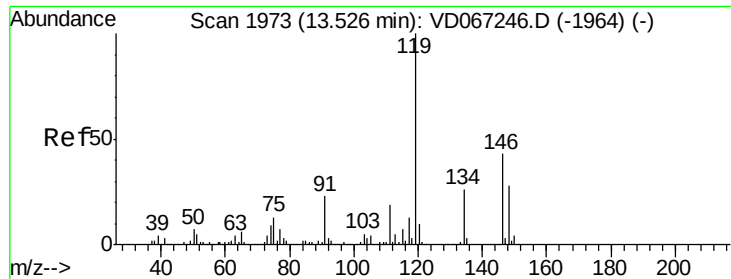


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

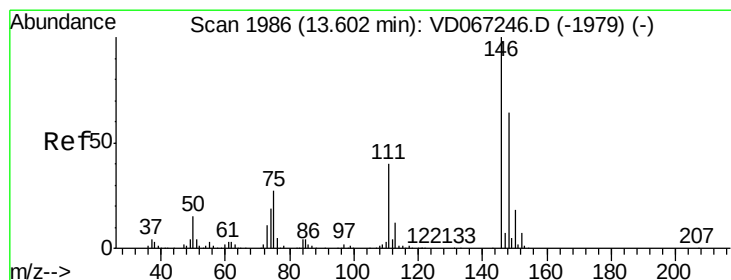
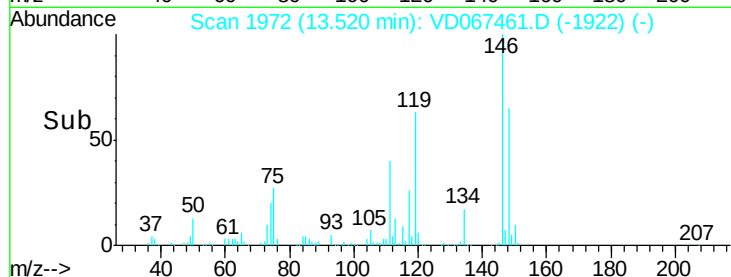
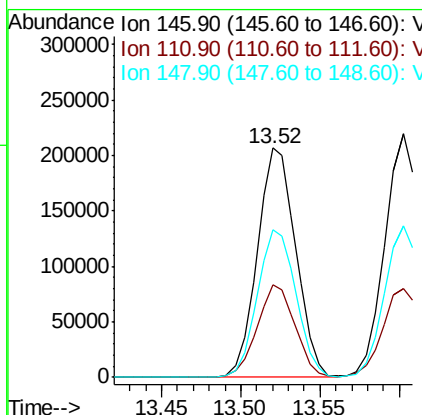
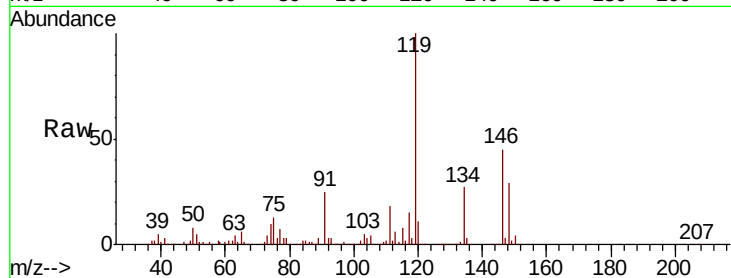




#87
 1,3-Dichlorobenzene
 Concen: 54.169 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

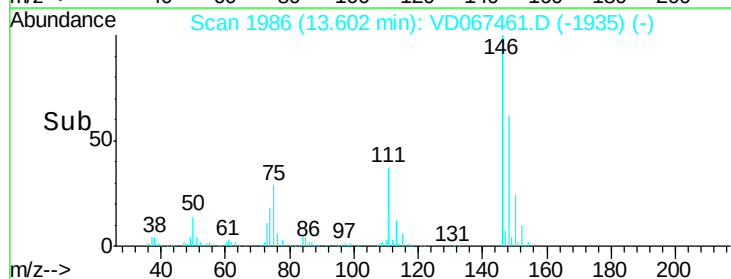
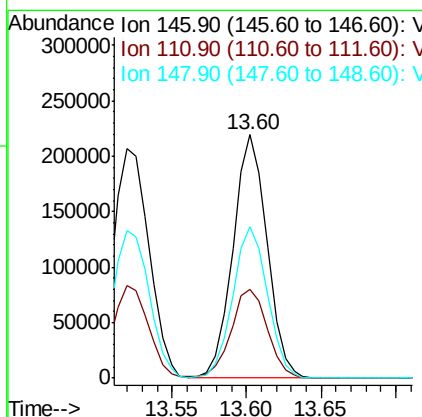
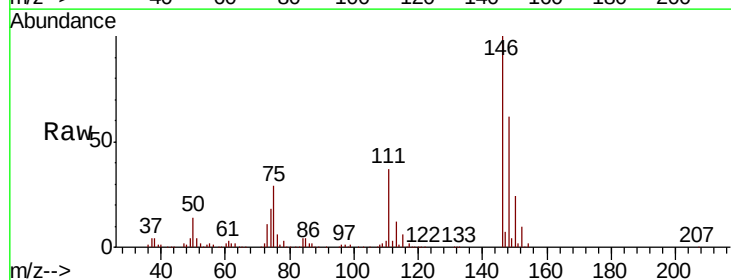
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

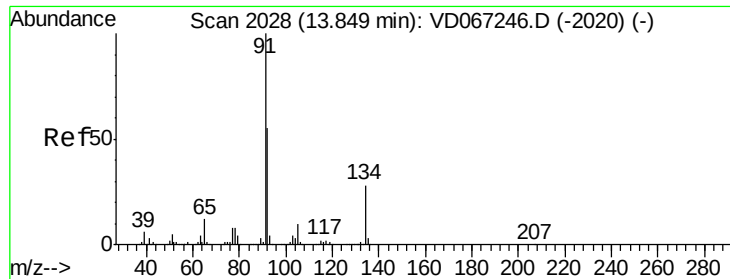
Tot Ion:146 Resp: 348054
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.3
 148 64.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 54.537 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion:146 Resp: 347179
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.7
 148 63.7 31.9 95.9

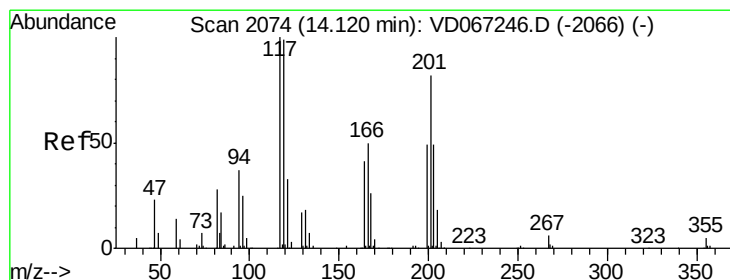
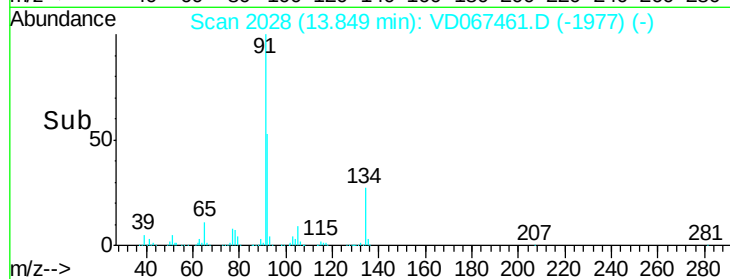
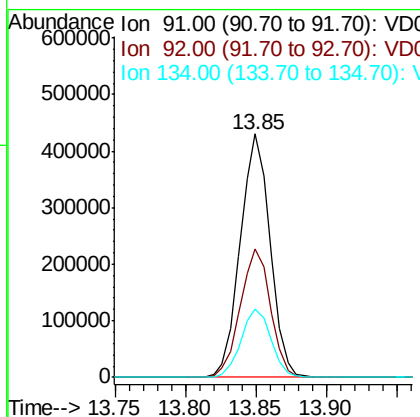
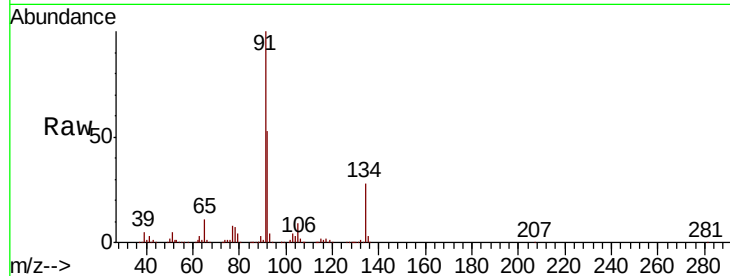




#89
n-Butylbenzene
Concen: 56.835 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

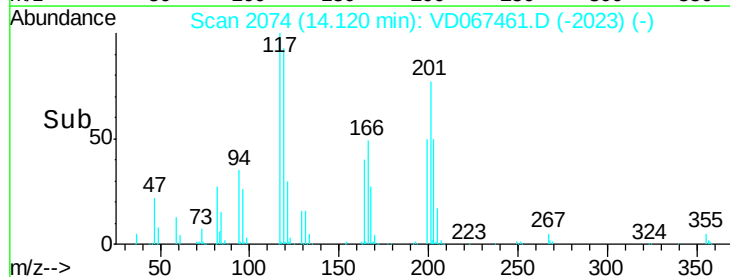
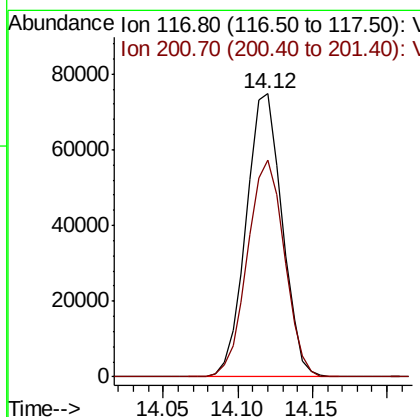
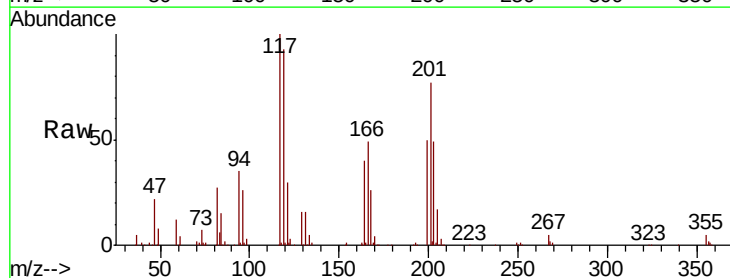
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

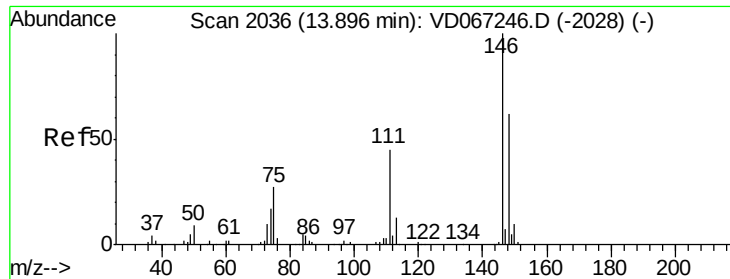
Tot Ion: 91 Resp: 636483
Ion Ratio Lower Upper
91 100
92 53.5 26.7 80.0
134 28.5 14.2 42.6



#90
Hexachloroethane
Concen: 56.185 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion: 117 Resp: 124808
Ion Ratio Lower Upper
117 100
201 78.8 40.8 122.2

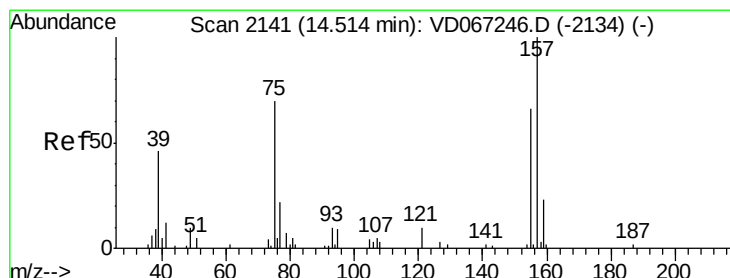
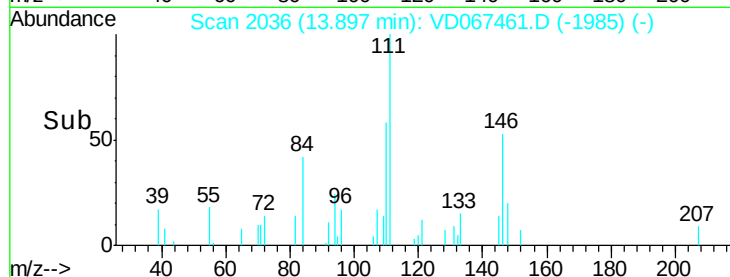
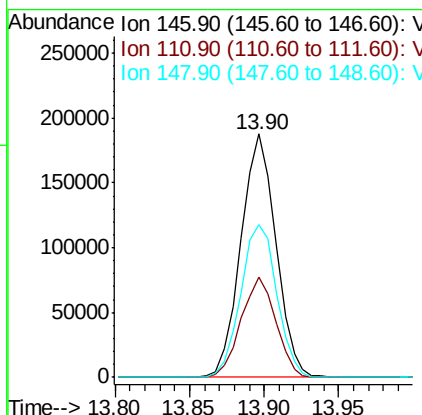
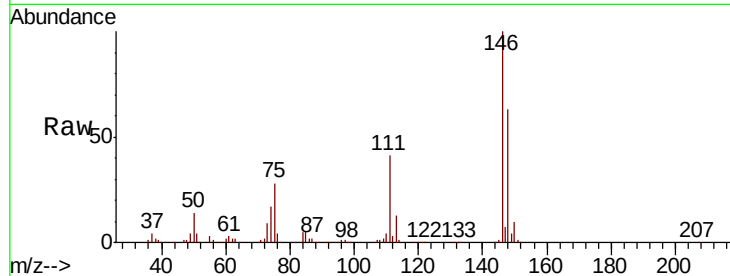




#91
 1,2-Dichlorobenzene
 Concen: 54.185 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

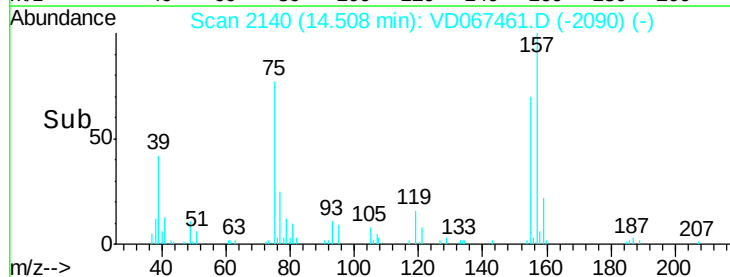
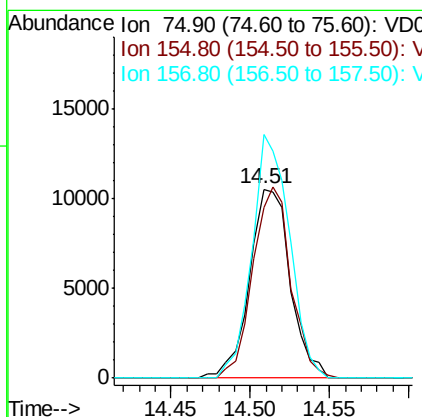
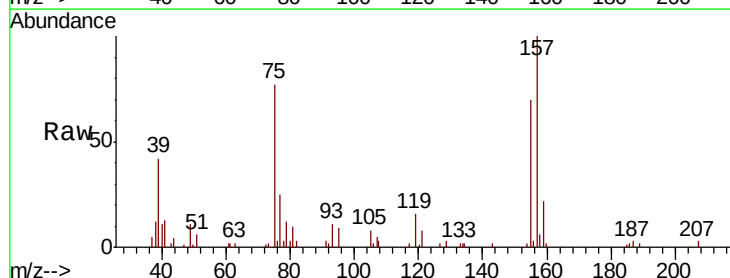
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

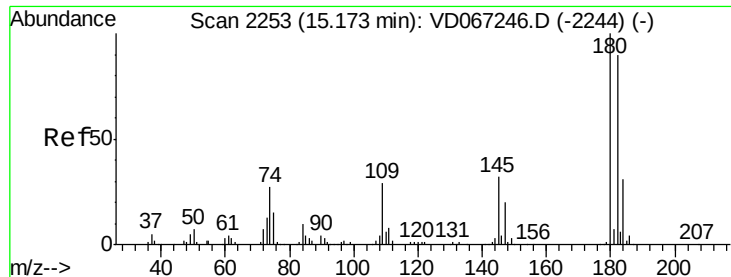
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.0	66.0
148	64.6	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.534 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	44.8	134.4
157	119.0	62.5	187.4

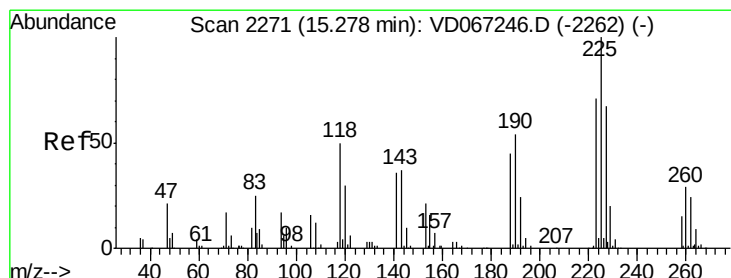
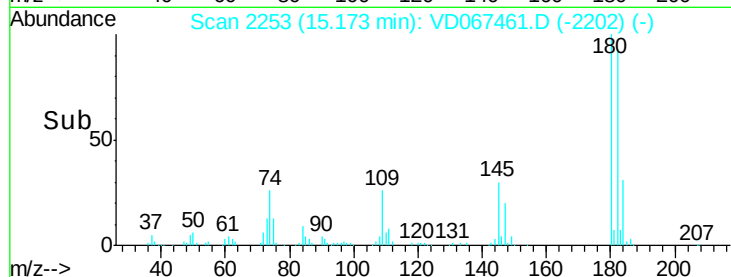
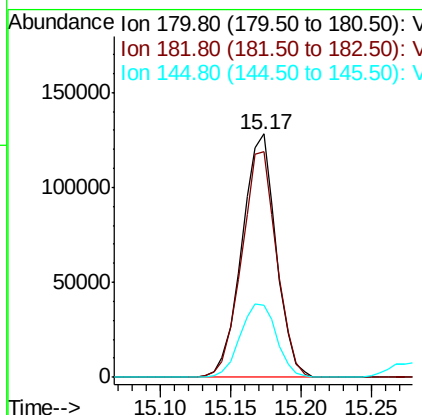
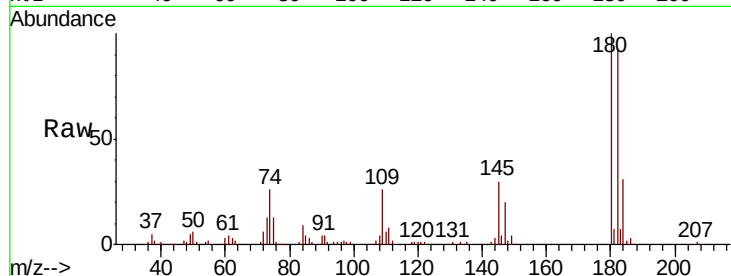




#93
 1,2,4-Trichlorobenzene
 Concen: 57.481 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

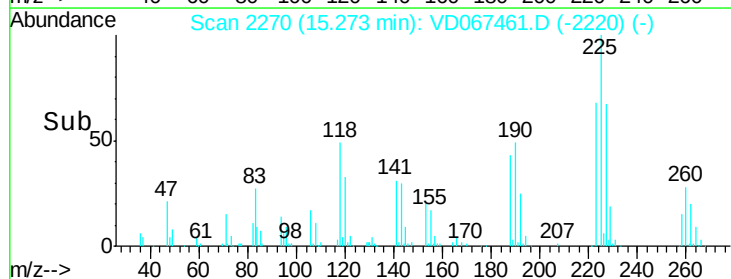
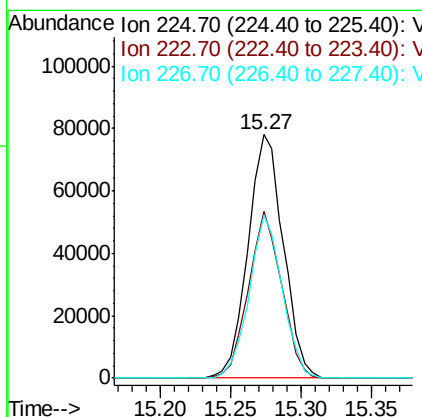
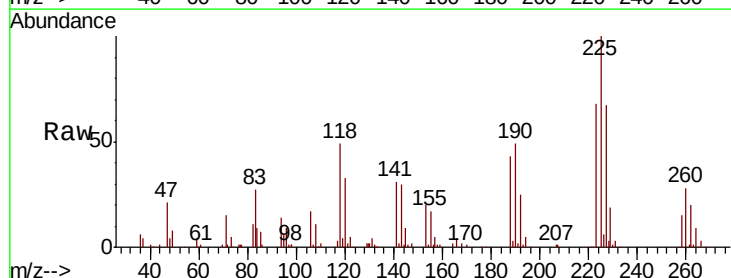
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

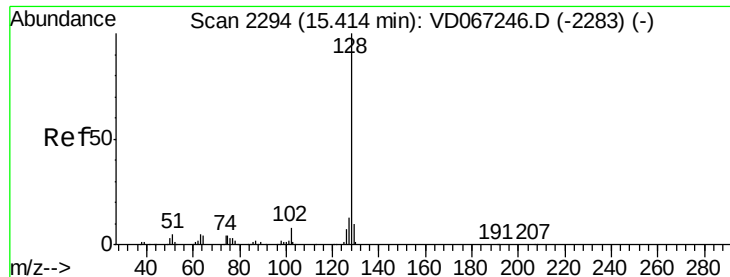
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.4
145	32.2	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 58.467 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067461.D
 Acq: 30 Oct 2020 09:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.7
227	62.9	31.2	93.6

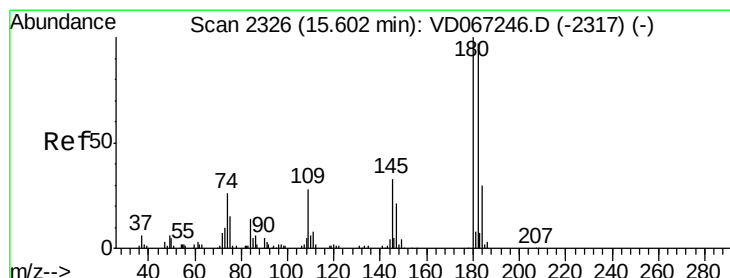
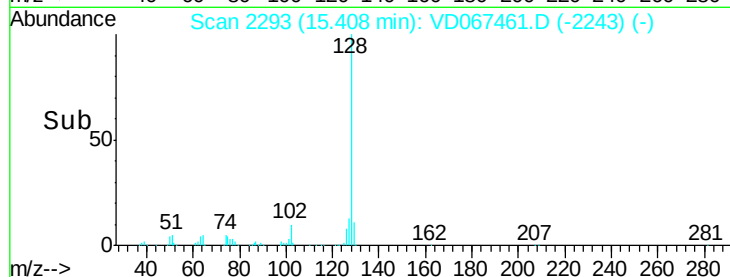
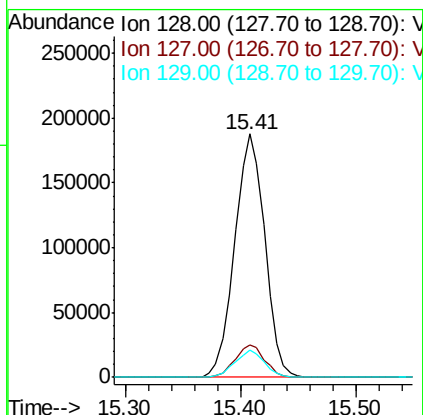
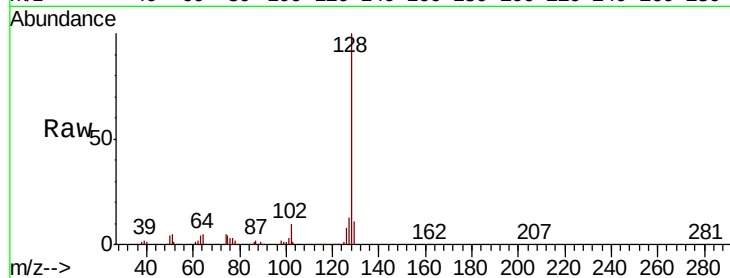




#95
Naphthalene
Concen: 54.478 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 338496
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.004 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067461.D
Acq: 30 Oct 2020 09:43

Tgt Ion:180 Resp: 183102
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.3
145 34.2 17.3 51.9

