

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067274.D
 Acq On : 15 Oct 2020 10:44
 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 16 01:07:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	493795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	450076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227131	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	156028	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	7.91	113	160312	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	10.34	98	584704	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.64	95	202056	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	137304	51.018	ug/l	99
3) Chloromethane	2.20	50	95159	45.018	ug/l	95
4) Vinyl Chloride	2.35	62	105116	45.323	ug/l	99
5) Bromomethane	2.77	94	77656	48.023	ug/l	94
6) Chloroethane	2.92	64	66863	46.292	ug/l	93
7) Trichlorofluoromethane	3.27	101	277827	47.572	ug/l	98
8) Diethyl Ether	3.71	74	61669	46.147	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	149968	48.333	ug/l	99
10) Methyl Iodide	4.30	142	133727	46.721	ug/l	97
11) Tert butyl alcohol	5.21	59	36589m	200.035	ug/l	
12) 1,1-Dichloroethene	4.06	96	132961	47.966	ug/l	92
13) Acrolein	3.92	56	44965	225.878	ug/l	98
14) Allyl chloride	4.71	41	146998	46.307	ug/l	99
15) Acrylonitrile	5.41	53	109033	244.518	ug/l	99
16) Acetone	4.15	43	130587	277.105	ug/l	94
17) Carbon Disulfide	4.41	76	366613	46.393	ug/l	99
18) Methyl Acetate	4.71	43	47764	44.437	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	272456	49.431	ug/l	96
20) Methylene Chloride	4.96	84	144854	47.788	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	151577	47.517	ug/l	96
22) Diisopropyl ether	6.36	45	286497	49.405	ug/l	95
23) Vinyl Acetate	6.30	43	861152	261.024	ug/l	100
24) 1,1-Dichloroethane	6.27	63	239629	48.274	ug/l	96
25) 2-Butanone	7.21	43	131165	244.172	ug/l	90
26) 2,2-Dichloropropane	7.21	77	249876	48.838	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	167863	48.015	ug/l	98
28) Bromochloromethane	7.55	49	82682	48.834	ug/l #	99
29) Tetrahydrofuran	7.56	42	74255	248.670	ug/l	98
30) Chloroform	7.71	83	287569	48.495	ug/l	89
31) Cyclohexane	7.98	56	175190	45.203	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	286673	49.271	ug/l	99
36) 1,1-Dichloropropene	8.11	75	202922	48.485	ug/l	98
37) Ethyl Acetate	7.29	43	60831	49.401	ug/l #	93
38) Carbon Tetrachloride	8.10	117	269173	50.321	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221995	50.738	ug/l	99
40) Benzene	8.35	78	565484	49.251	ug/l	99
41) Methacrylonitrile	7.52	41	31450	47.264	ug/l	95
42) 1,2-Dichloroethane	8.43	62	178690	49.730	ug/l	100
43) Isopropyl Acetate	8.45	43	122239	50.029	ug/l	99
44) Trichloroethene	9.11	130	180290	49.043	ug/l	100
45) 1,2-Dichloropropane	9.39	63	129081	48.509	ug/l	99
46) Dibromomethane	9.48	93	82785	49.933	ug/l	94
47) Bromodichloromethane	9.66	83	222219	50.027	ug/l	97
48) Methyl methacrylate	9.46	41	60696	51.117	ug/l	94
49) 1,4-Dioxane	9.47	88	17720	1107.714	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	305638	250.795	ug/l	100
52) Toluene	10.41	92	397081	50.776	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	198288	50.816	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	227865	49.898	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	111977	49.530	ug/l	95
56) Ethyl methacrylate	10.66	69	120572	51.423	ug/l	97
57) 1,3-Dichloropropane	10.95	76	180245	50.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	304777	253.383	ug/l	98
59) 2-Hexanone	10.99	43	227044	272.641	ug/l	100
60) Dibromochloromethane	11.14	129	161878	49.097	ug/l	98
61) 1,2-Dibromoethane	11.25	107	108633	48.740	ug/l	98
64) Tetrachloroethene	10.88	164	160760	49.299	ug/l	96
65) Chlorobenzene	11.67	112	428475	49.645	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	173132	50.472	ug/l	98
67) Ethyl Benzene	11.75	91	754113	50.972	ug/l	99
68) m/p-Xylenes	11.86	106	585549	102.778	ug/l	99
69) o-Xylene	12.18	106	268954	50.980	ug/l	95
70) Styrene	12.20	104	470621	51.821	ug/l	99
71) Bromoform	12.37	173	94935	51.517	ug/l #	100
73) Isopropylbenzene	12.48	105	768092	53.283	ug/l	100
74) N-amyl acetate	12.29	43	110426	50.720	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	111831	50.631	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	85537m	54.336	ug/l	
77) Bromobenzene	12.77	156	177829	49.481	ug/l	96
78) n-propylbenzene	12.83	91	871176	52.160	ug/l	99
79) 2-Chlorotoluene	12.91	91	499619	51.583	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	657480	52.486	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35644	51.346	ug/l	96
82) 4-Chlorotoluene	13.01	91	526666	51.232	ug/l	100
83) tert-Butylbenzene	13.23	119	561001	53.017	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	648667	52.392	ug/l	99
85) sec-Butylbenzene	13.41	105	748911	51.580	ug/l	99
86) p-Isopropyltoluene	13.52	119	722969	52.754	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	346339	50.068	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	348255	50.815	ug/l	100
89) n-Butylbenzene	13.85	91	638708	52.977	ug/l	99
90) Hexachloroethane	14.12	117	120313	50.309	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	301265	49.854	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19857	49.486	ug/l	95

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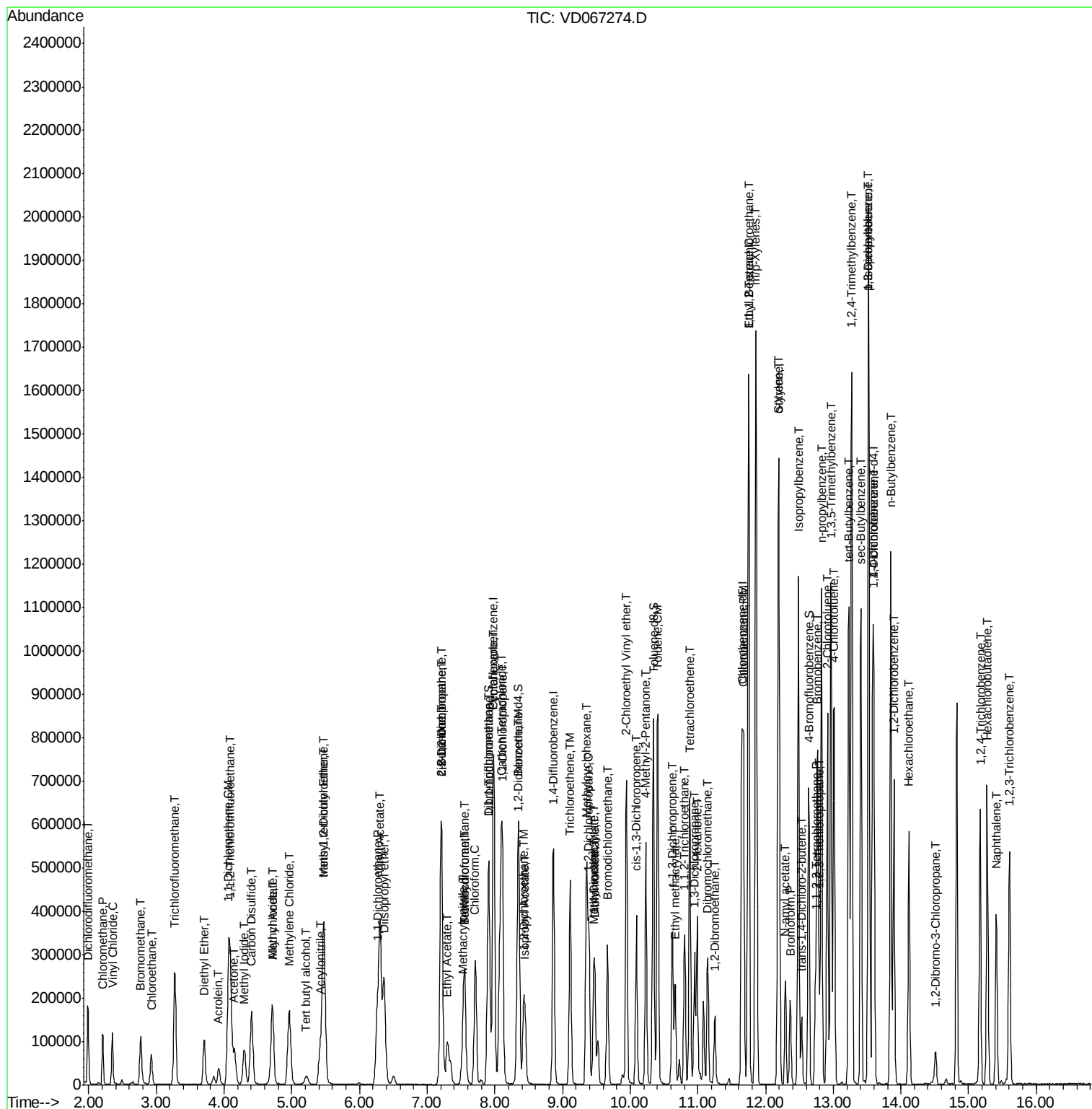
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	211928	52.016	ug/l	98
94) Hexachlorobutadiene	15.27	225	134199	53.041	ug/l	98
95) Naphthalene	15.41	128	356918	53.356	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	185439	52.684	ug/l	99

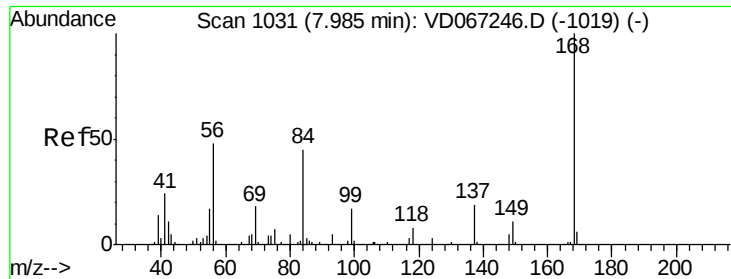
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

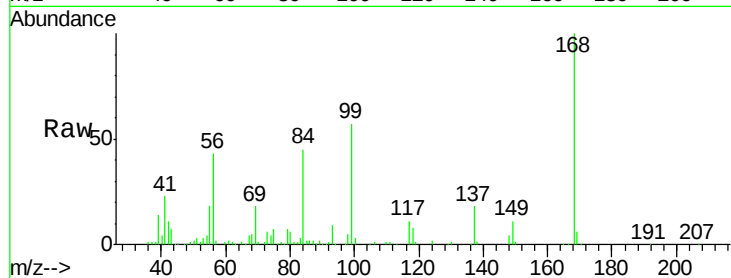
VSTDCCC050

Tot Ion:168 Resp: 335868

Ion Ratio Lower Upper

168 100

99 56.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

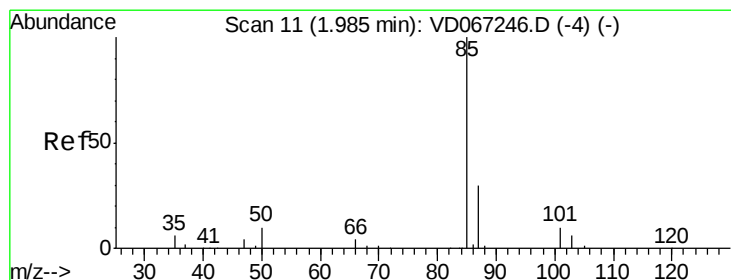
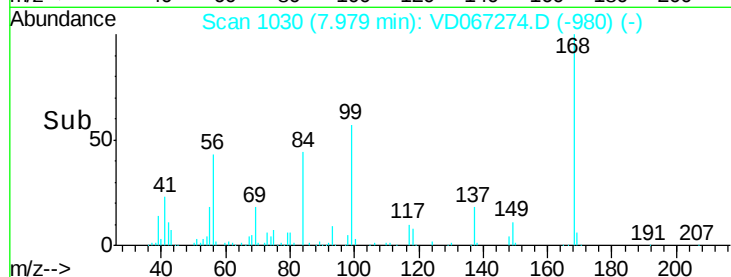
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.018 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067274.D

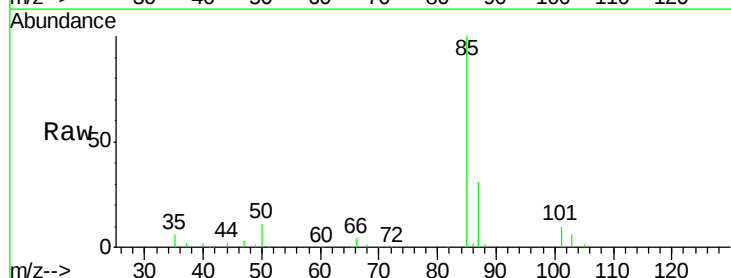
Acq: 15 Oct 2020 10:44

Tgt Ion: 85 Resp: 137304

Ion Ratio Lower Upper

85 100

87 31.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

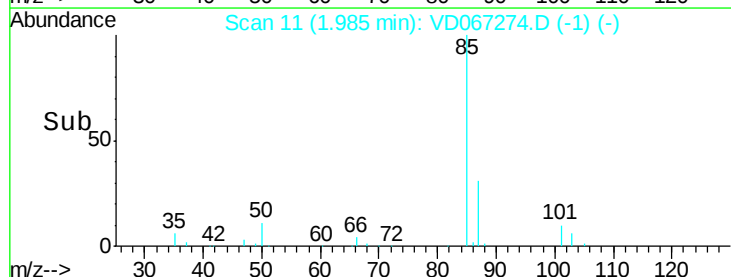
40000

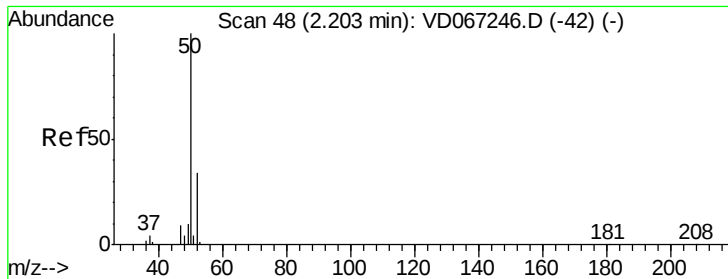
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 45.018 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

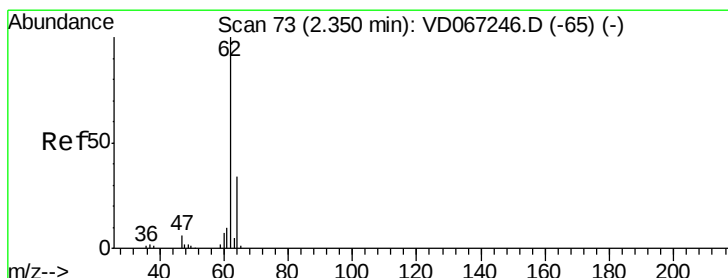
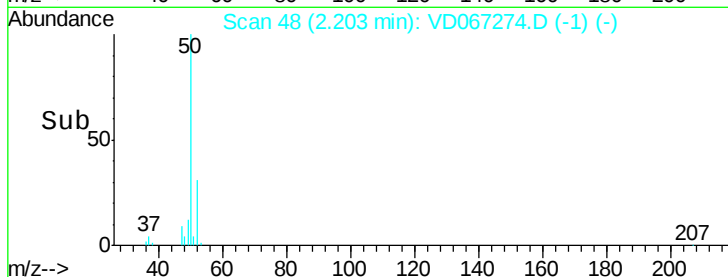
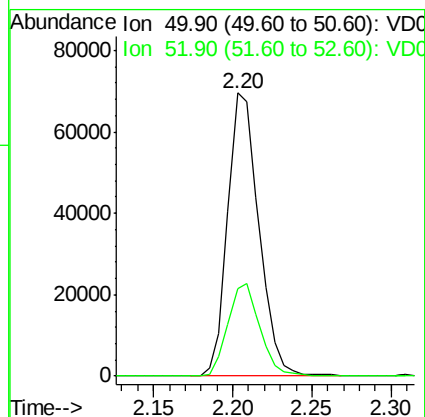
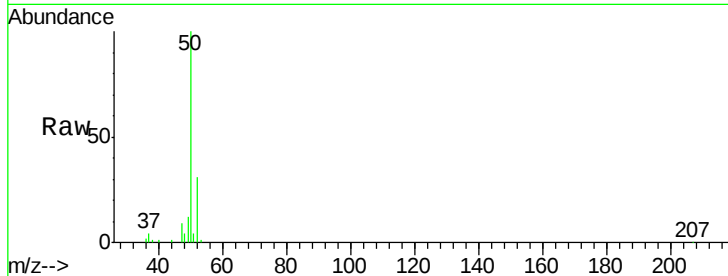
VSTDCCC050

Tot Ion: 50 Resp: 95159

Ion Ratio Lower Upper

50 100

52 30.8 27.1 40.7



#4

Vinyl Chloride

Concen: 45.323 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067274.D

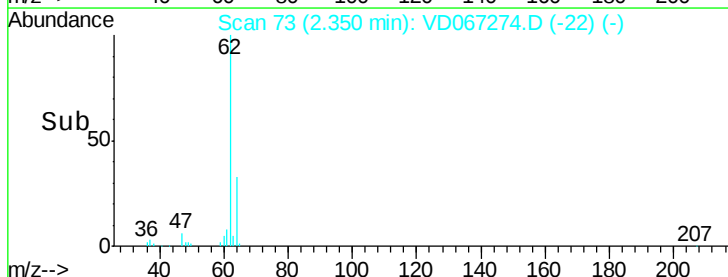
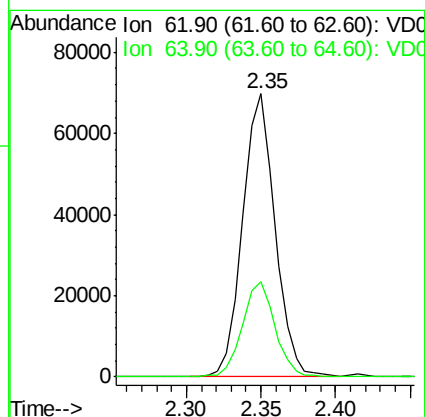
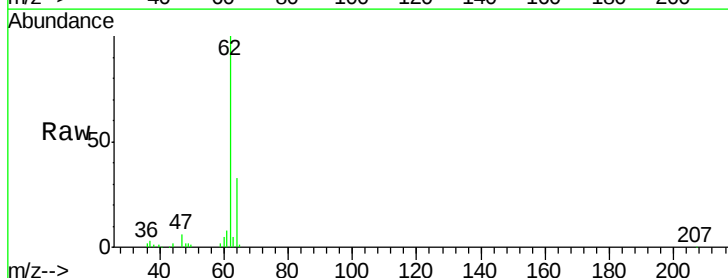
Acq: 15 Oct 2020 10:44

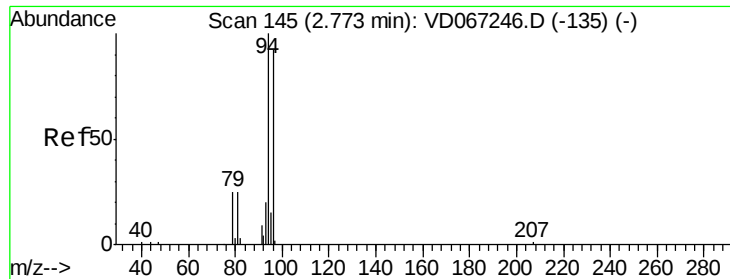
Tgt Ion: 62 Resp: 105116

Ion Ratio Lower Upper

62 100

64 33.4 27.4 41.0





#5

Bromomethane

Concen: 48.023 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

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ClientSampleId :

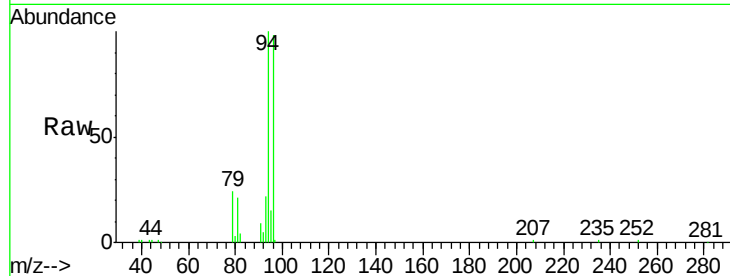
VSTDCCC050

Tot Ion: 94 Resp: 77656

Ion Ratio Lower Upper

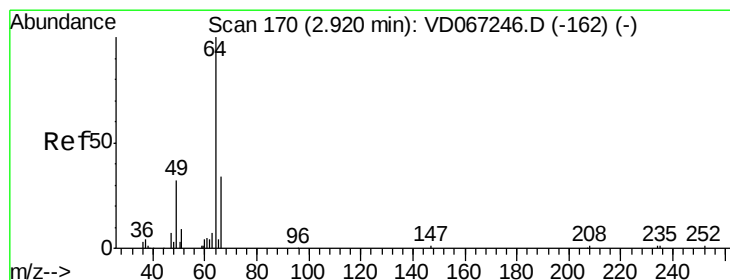
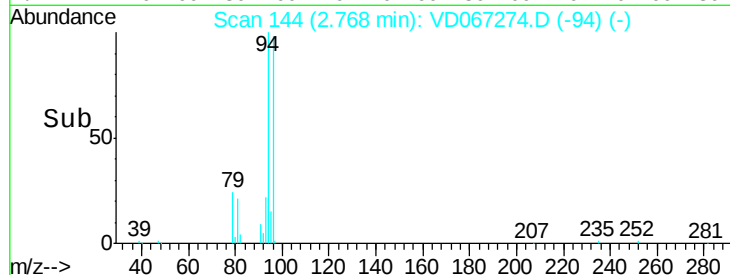
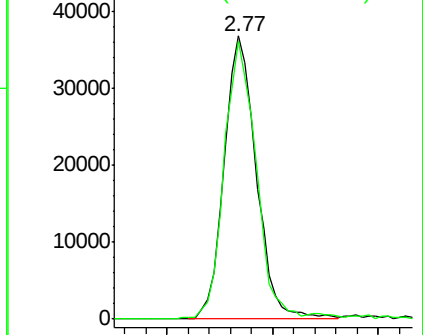
94 100

96 97.8 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: 46.292 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067274.D

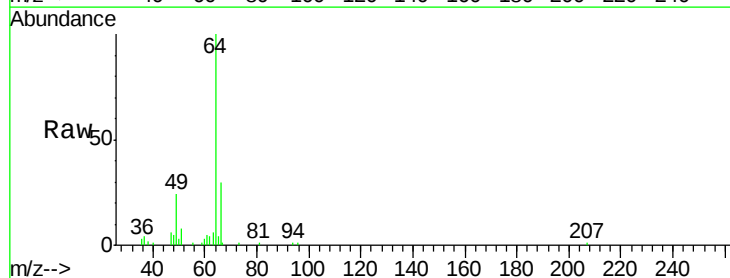
Acq: 15 Oct 2020 10:44

Tgt Ion: 64 Resp: 66863

Ion Ratio Lower Upper

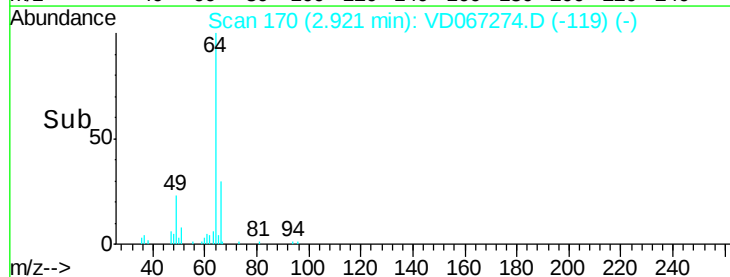
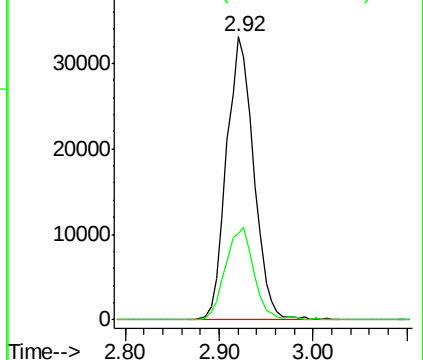
64 100

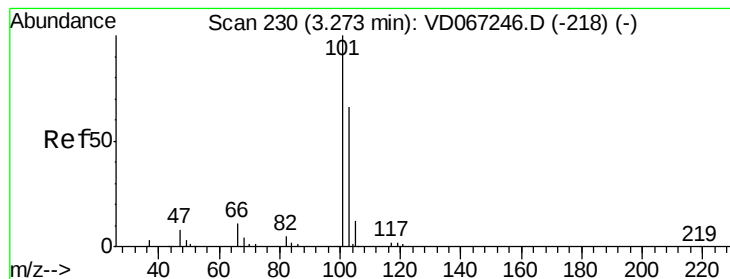
66 30.3 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 47.572 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

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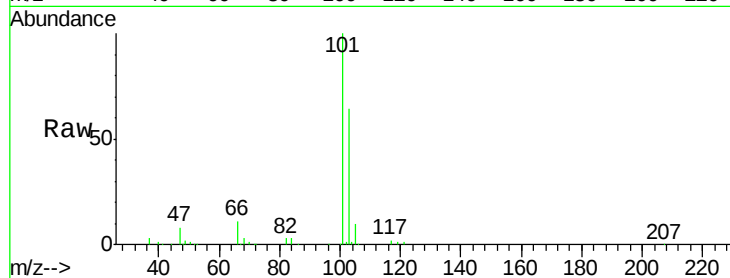
VSTDCCC050

Tot Ion:101 Resp: 277827

Ion Ratio Lower Upper

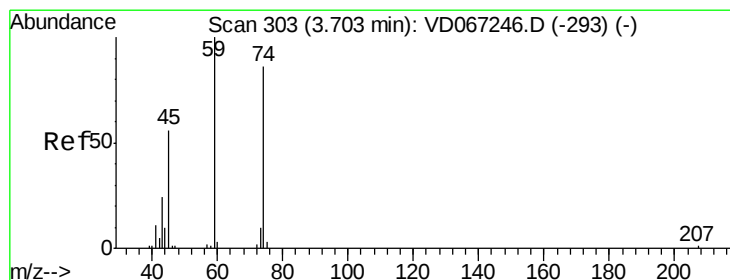
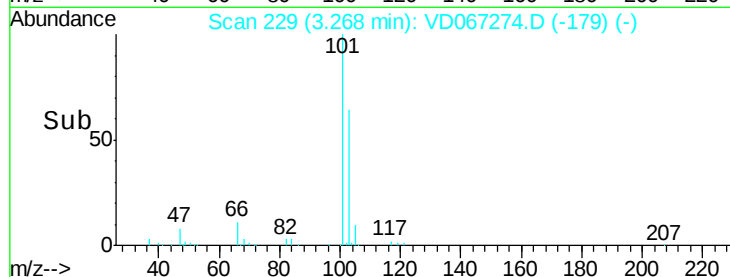
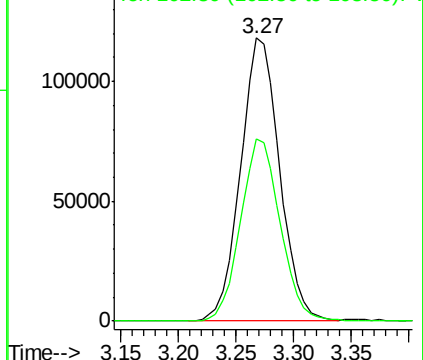
101 100

103 64.4 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: 46.147 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD067274.D

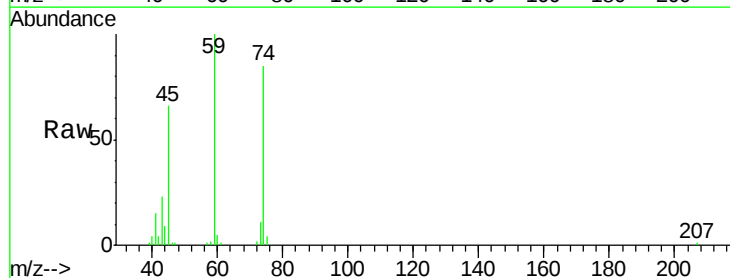
Acq: 15 Oct 2020 10:44

Tgt Ion: 74 Resp: 61669

Ion Ratio Lower Upper

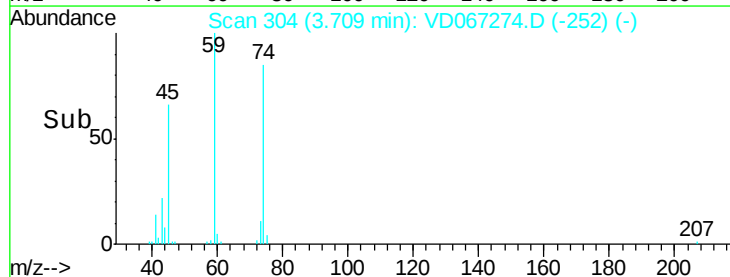
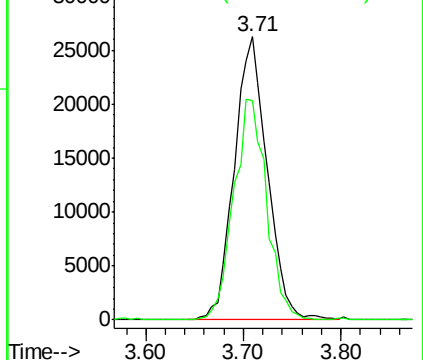
74 100

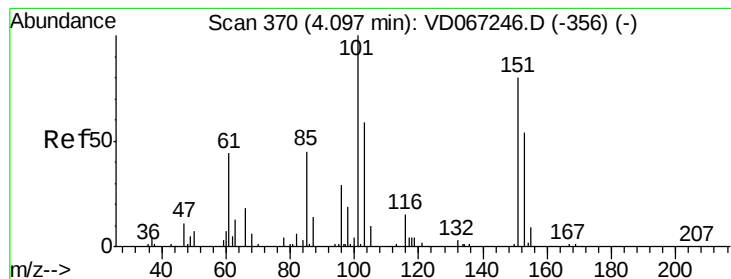
45 77.6 37.0 111.1



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: 48.333 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

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VSTDCCC050

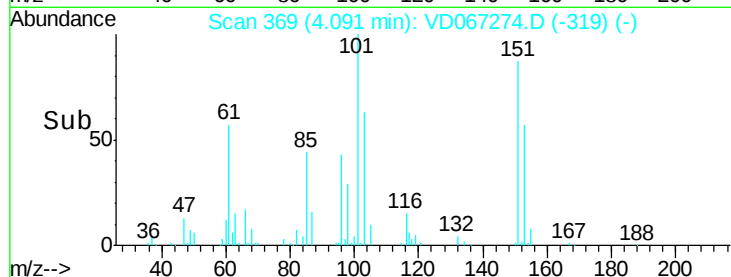
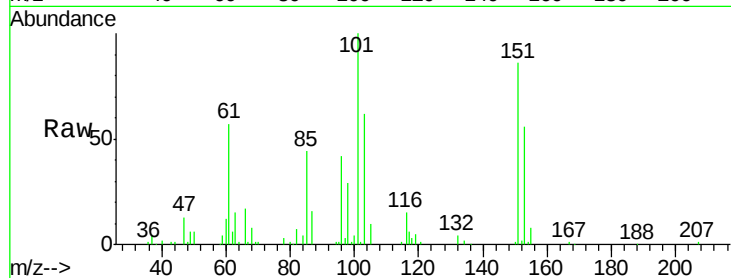
Tot Ion:101 Resp: 149968

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

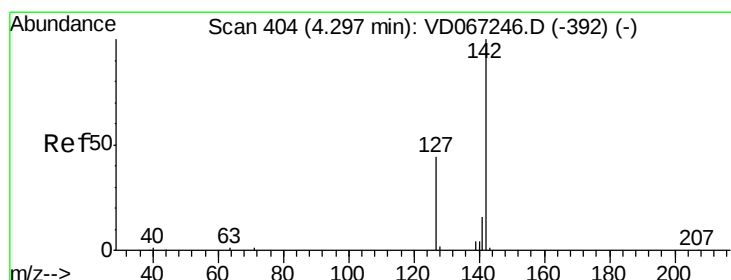
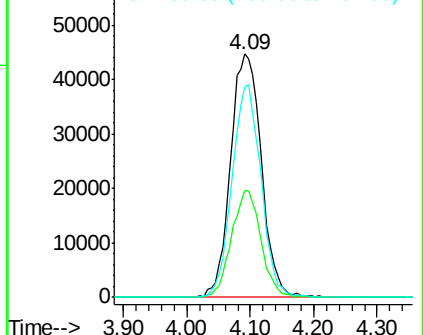
151 82.0 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.721 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

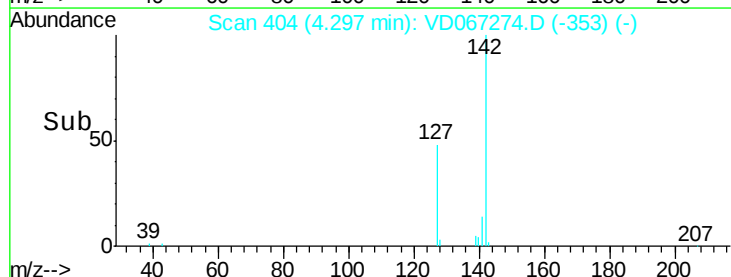
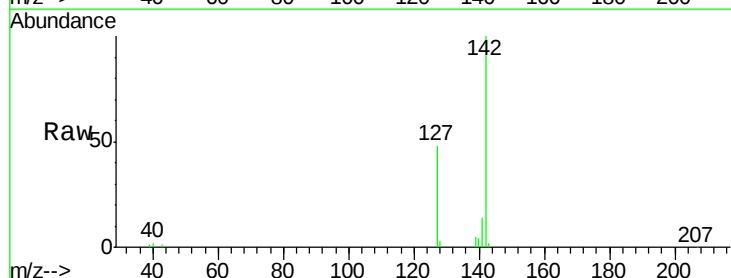
Tgt Ion:142 Resp: 133727

Ion Ratio Lower Upper

142 100

127 50.6 38.4 57.6

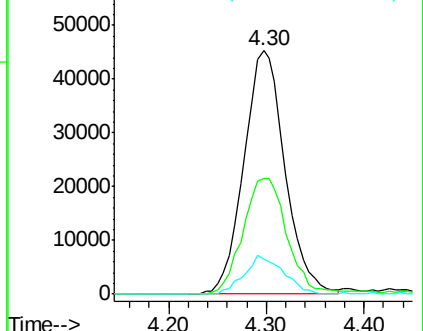
141 15.0 11.6 17.4

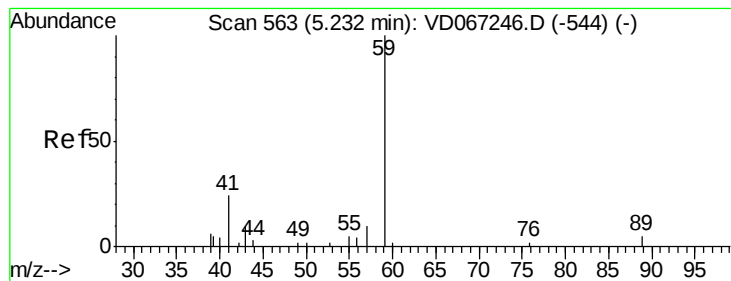


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 200.035 ug/l m

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

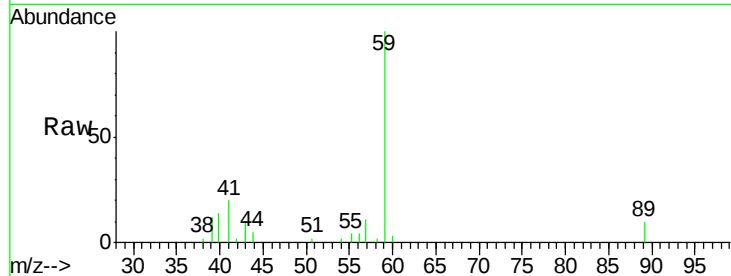
VSTDCCC050

Tot Ion: 59 Resp: 36589

Ion Ratio Lower Upper

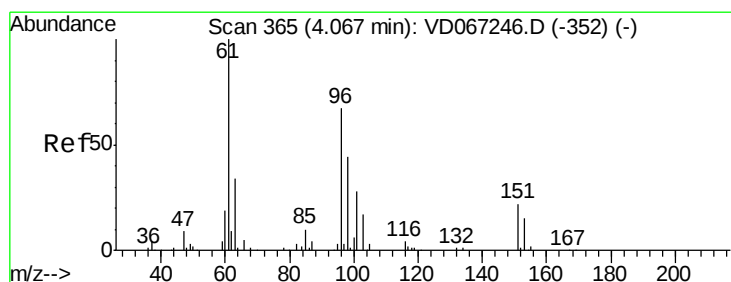
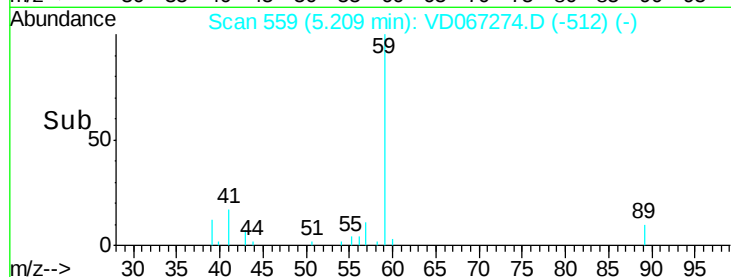
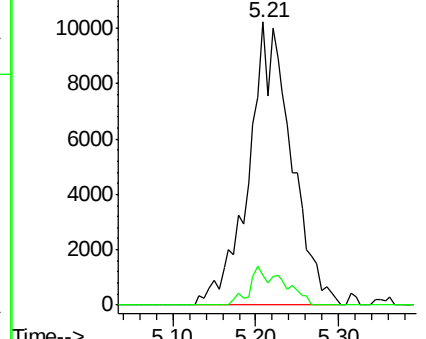
59 100

57 5.3 5.1 7.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 47.966 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

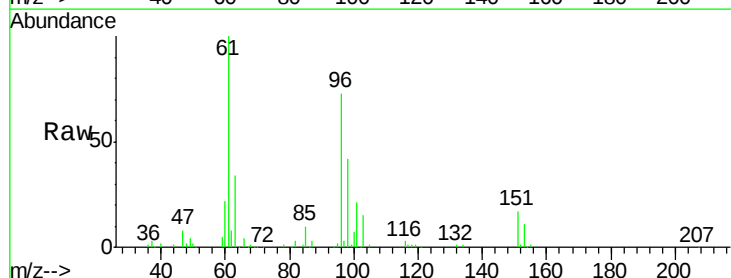
Tgt Ion: 96 Resp: 132961

Ion Ratio Lower Upper

96 100

61 137.8 118.6 177.8

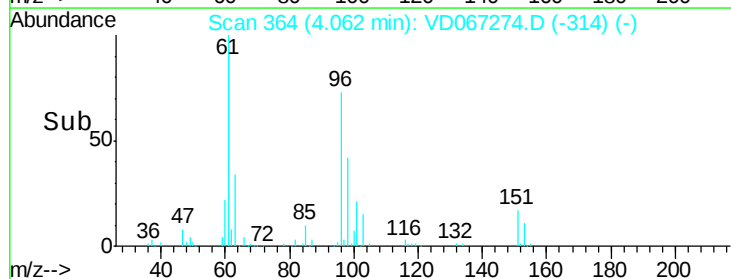
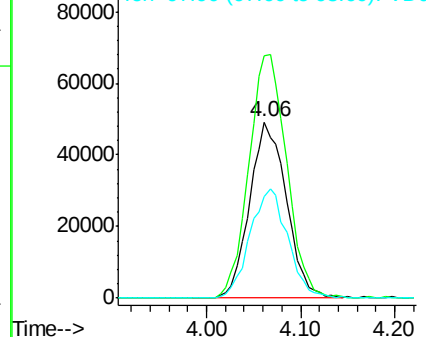
98 57.9 51.8 77.6

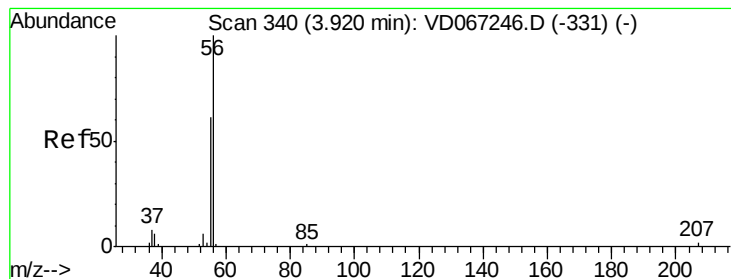


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 225.878 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

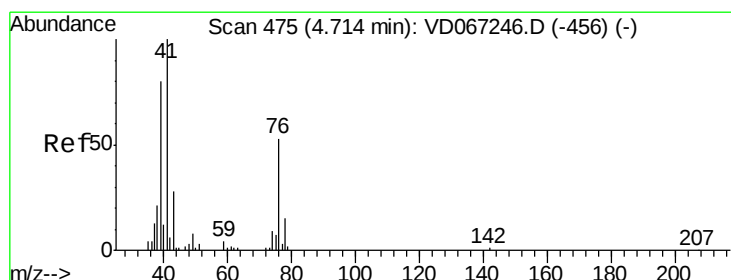
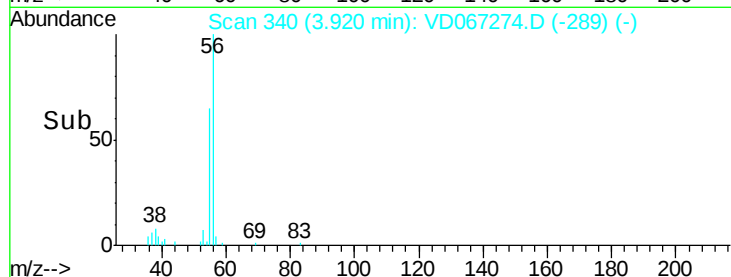
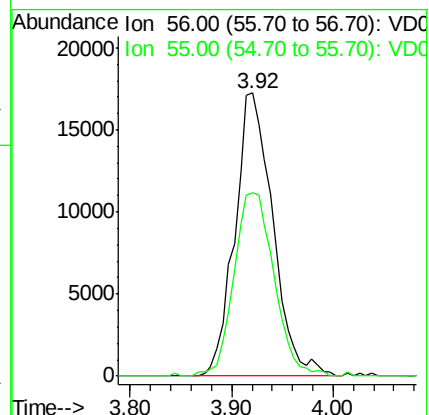
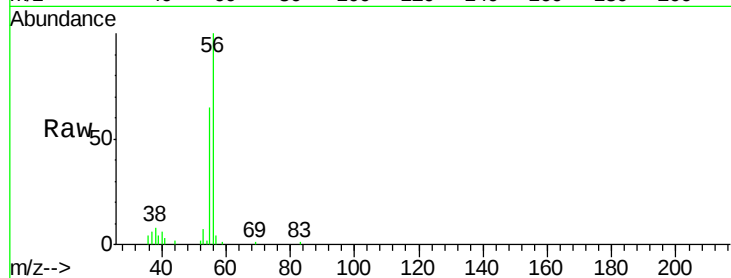
VSTDCCC050

Tot Ion: 56 Resp: 44965

Ion Ratio Lower Upper

56 100

55 68.3 56.0 84.0



#14

Allyl chloride

Concen: 46.307 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

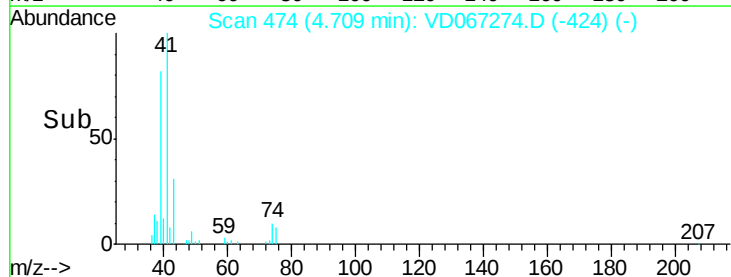
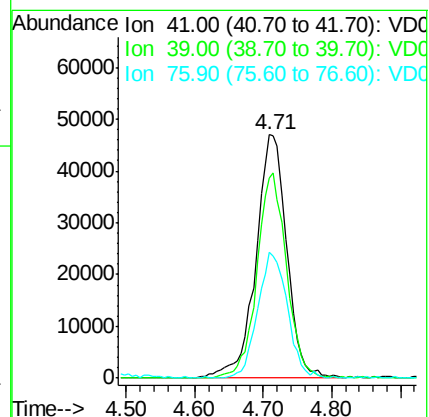
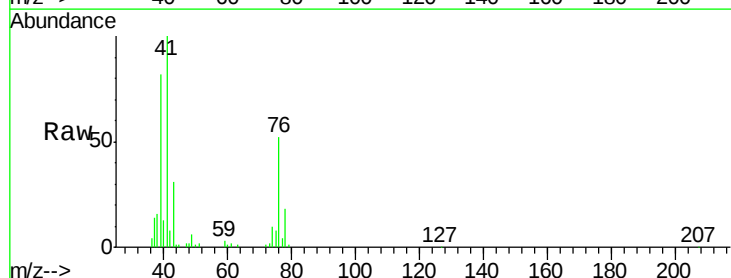
Tgt Ion: 41 Resp: 146998

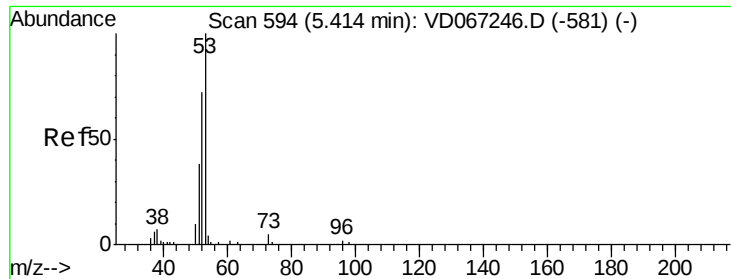
Ion Ratio Lower Upper

41 100

39 81.0 63.8 95.6

76 49.9 40.4 60.6





#15

Acrylonitrile

Concen: 244.518 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

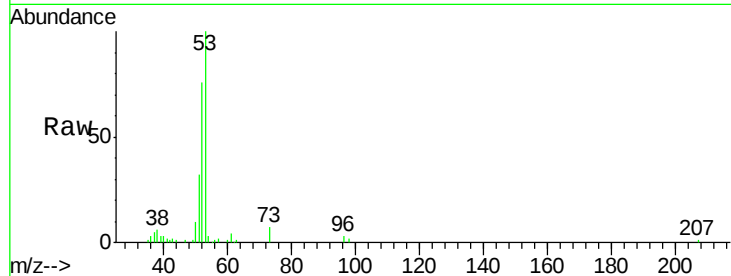
Tot Ion: 53 Resp: 109033

Ion Ratio Lower Upper

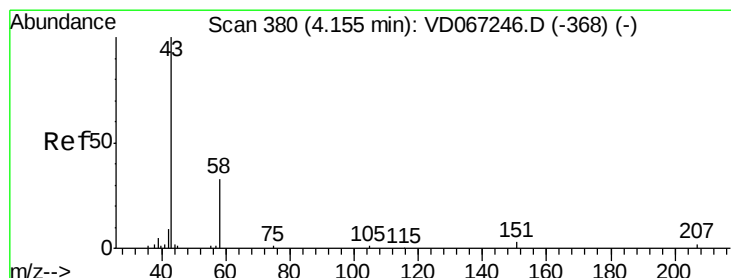
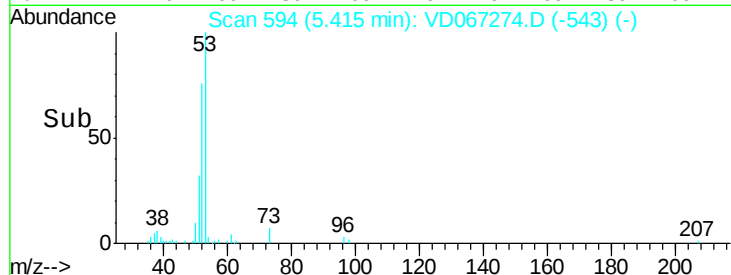
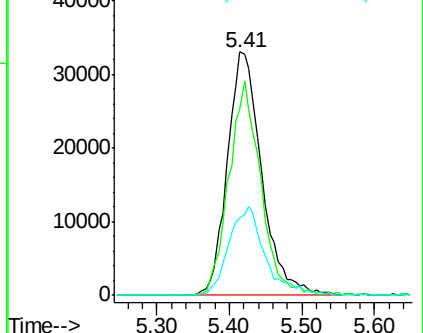
53 100

52 81.2 65.6 98.4

51 38.3 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: 277.105 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067274.D

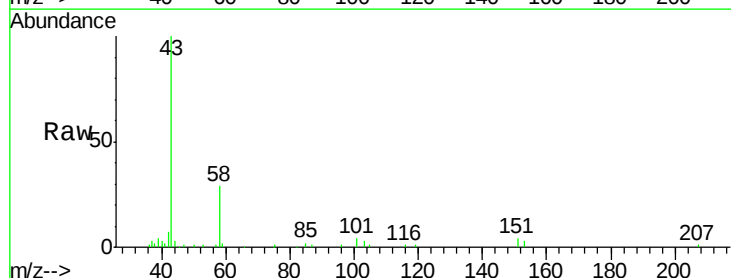
Acq: 15 Oct 2020 10:44

Tgt Ion: 43 Resp: 130587

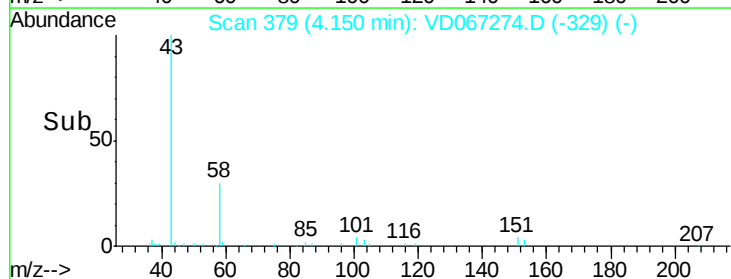
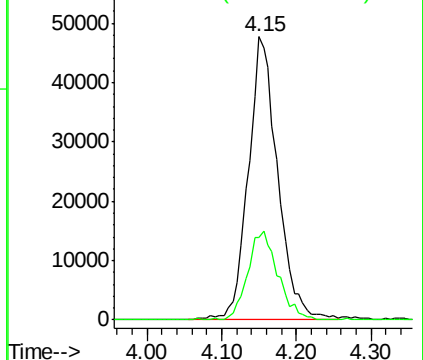
Ion Ratio Lower Upper

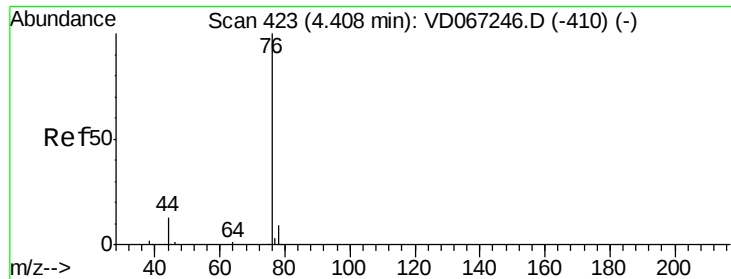
43 100

58 29.2 26.1 39.1



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

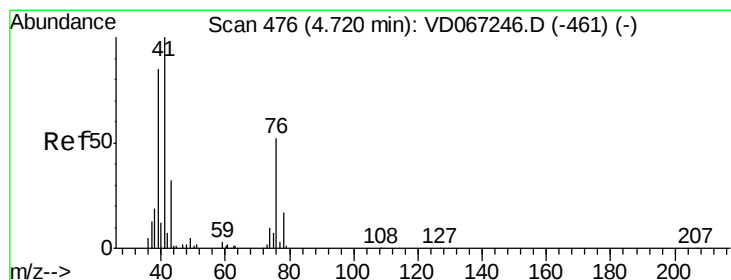
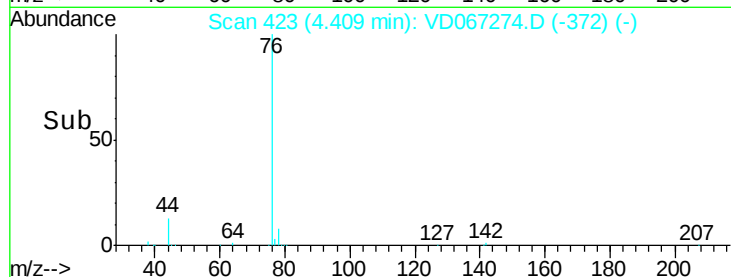
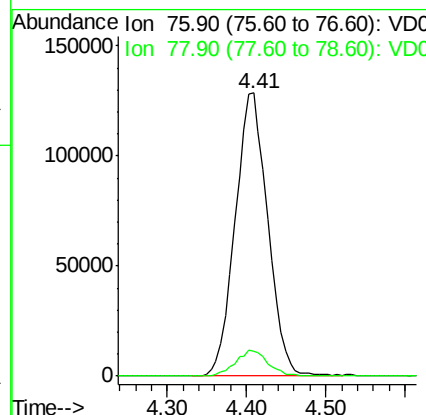
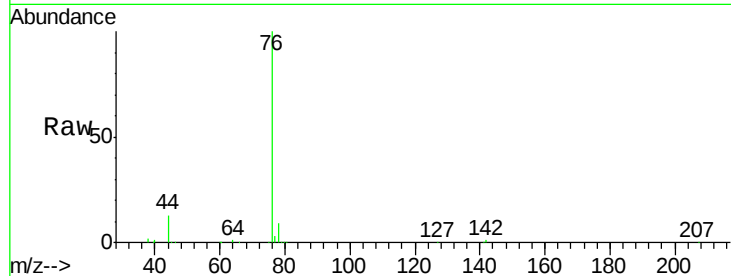




#17
Carbon Disulfide
Concen: 46.393 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

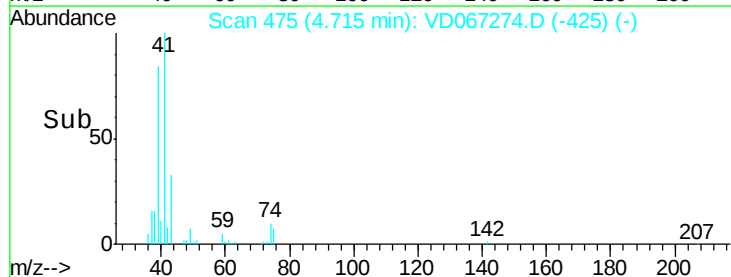
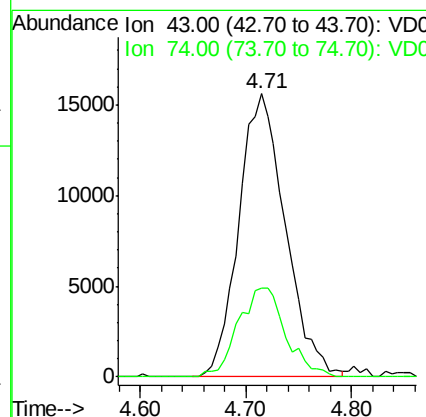
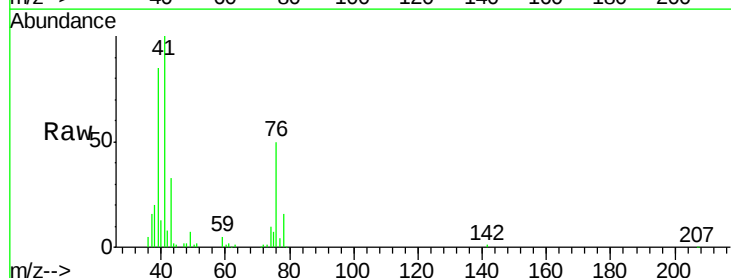
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

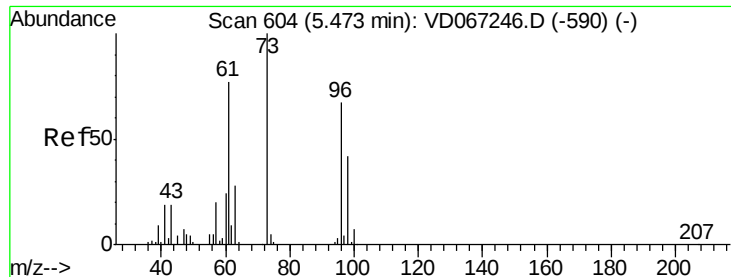
Tot Ion: 76 Resp: 366613
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 44.437 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 43 Resp: 47764
Ion Ratio Lower Upper
43 100
74 32.1 26.6 39.8

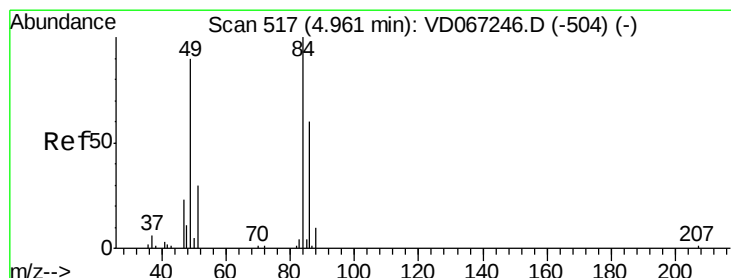
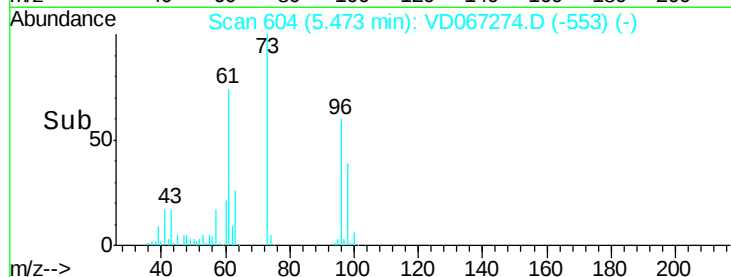
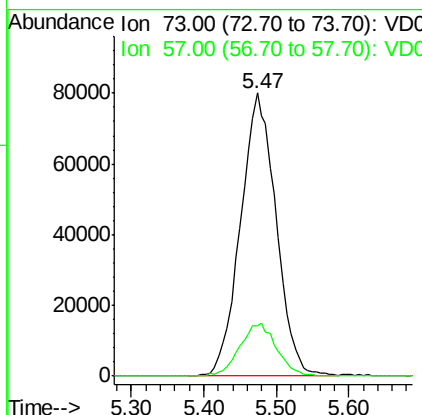
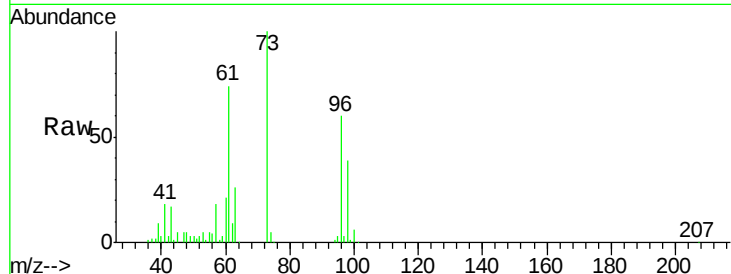




#19
Methvl tert-butvl Ether
Concen: 49.431 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

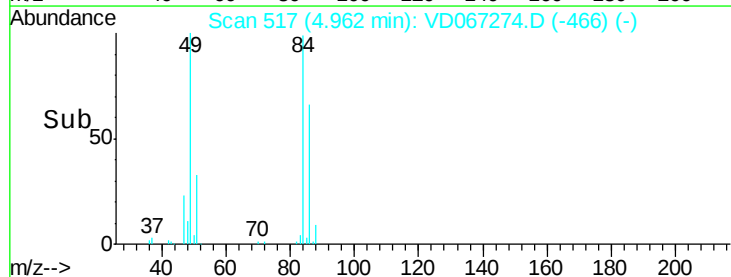
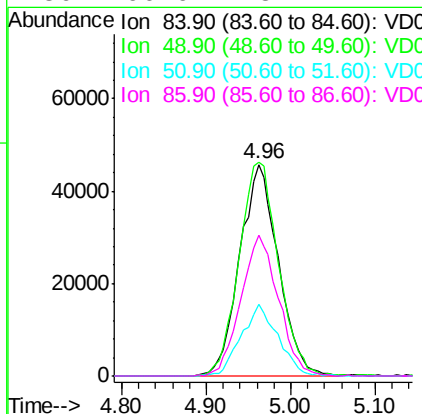
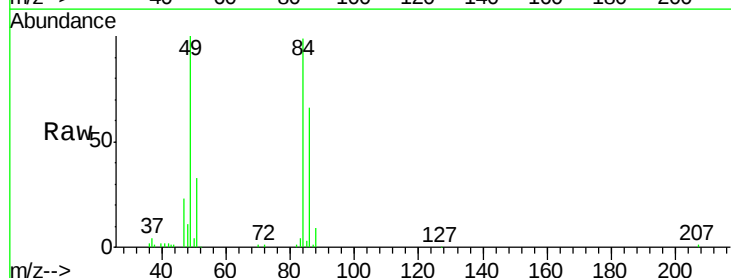
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

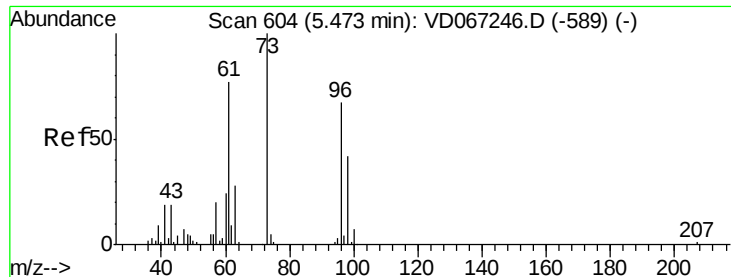
Tot Ion: 73 Resp: 272456
Ion Ratio Lower Upper
73 100
57 17.7 15.7 23.5



#20
Methylene Chloride
Concen: 47.788 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 84 Resp: 144854
Ion Ratio Lower Upper
84 100
49 101.1 72.2 108.2
51 33.7 23.8 35.8
86 66.6 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 47.517 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

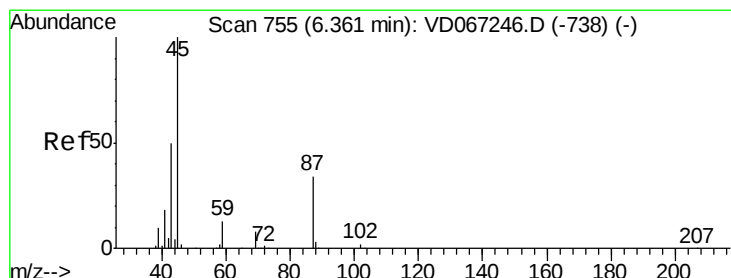
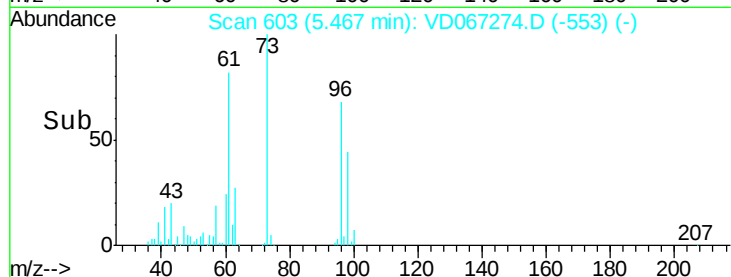
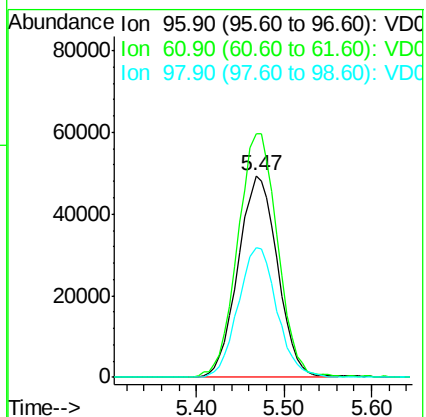
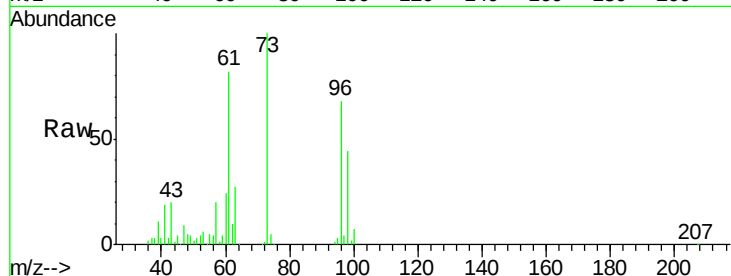
Tot Ion: 96 Resp: 151577

Ion Ratio Lower Upper

96 100

61 120.6 92.0 138.0

98 64.1 49.8 74.8



#22

Diisopropyl ether

Concen: 49.405 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Tgt Ion: 45 Resp: 286497

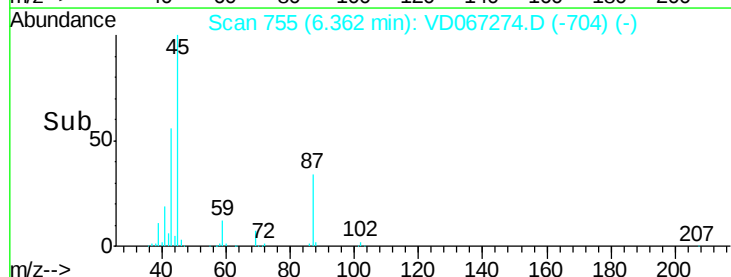
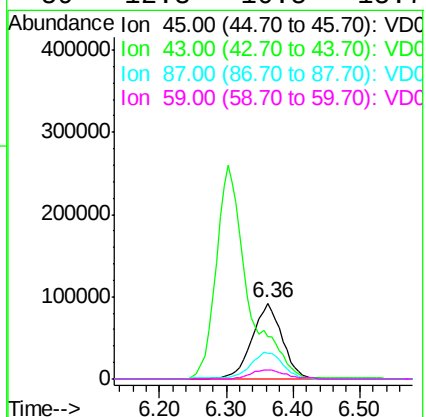
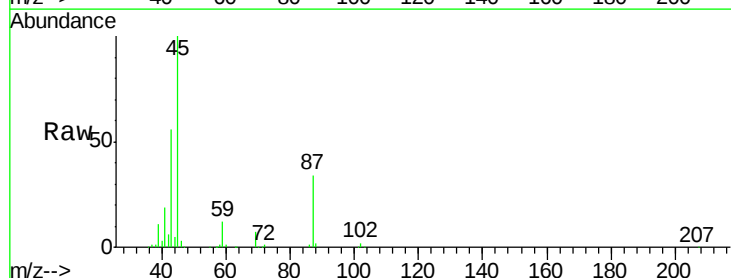
Ion Ratio Lower Upper

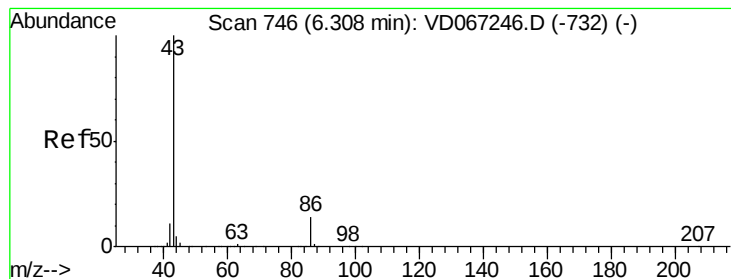
45 100

43 55.1 48.0 72.0

87 34.0 28.5 42.7

59 12.3 10.5 15.7





#23

Vinyl Acetate

Concen: 261.024 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

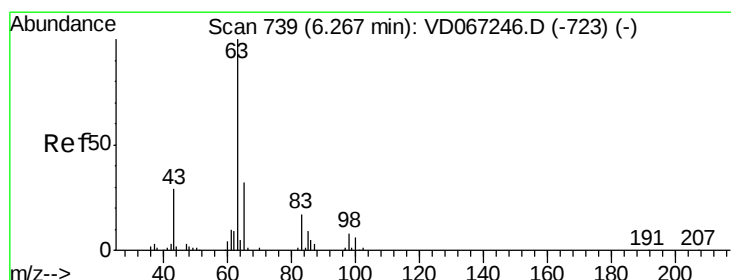
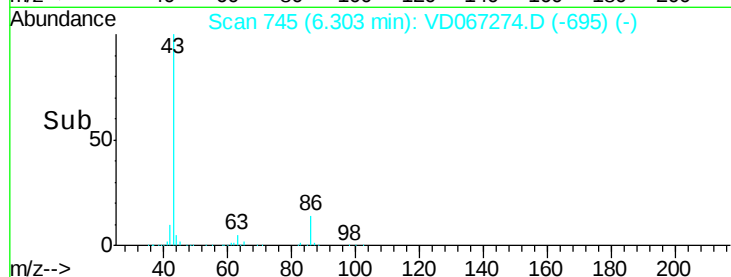
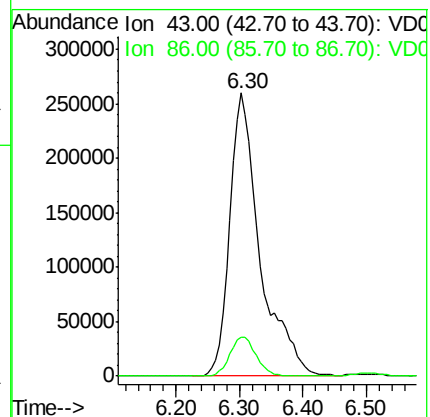
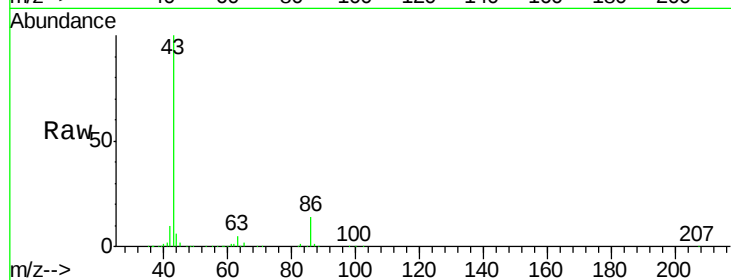
VSTDCCC050

Tot Ion: 43 Resp: 861152

Ion Ratio Lower Upper

43 100

86 13.7 11.0 16.6



#24

1,1-Dichloroethane

Concen: 48.274 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

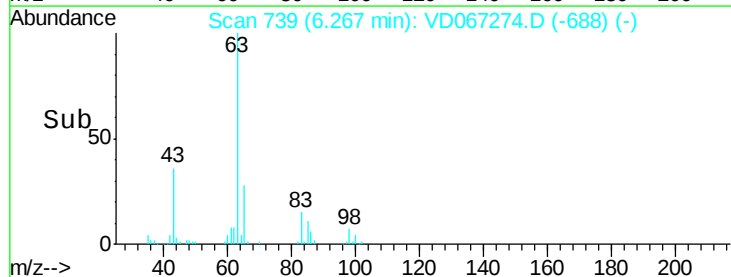
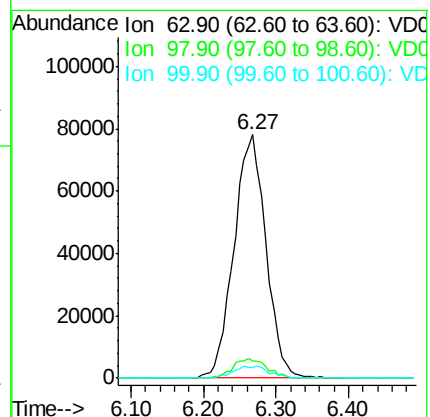
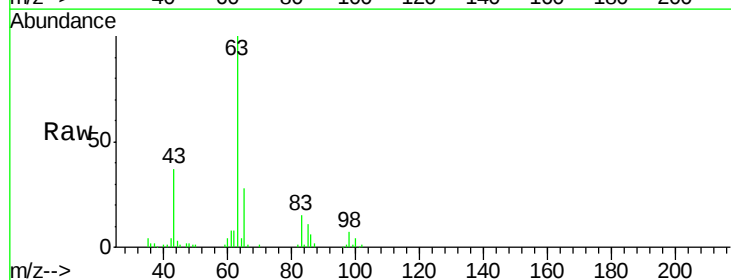
Tgt Ion: 63 Resp: 239629

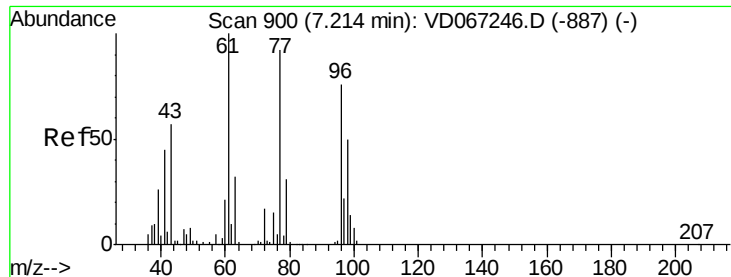
Ion Ratio Lower Upper

63 100

98 6.7 4.0 12.2

100 4.5 2.8 8.4

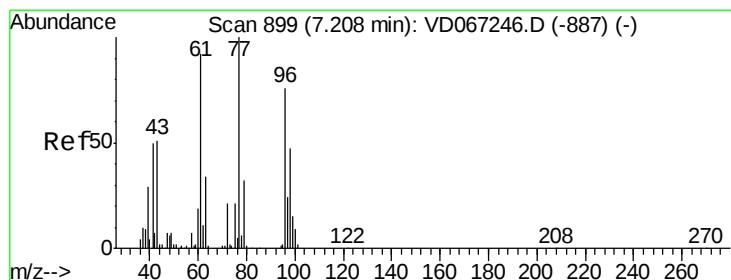
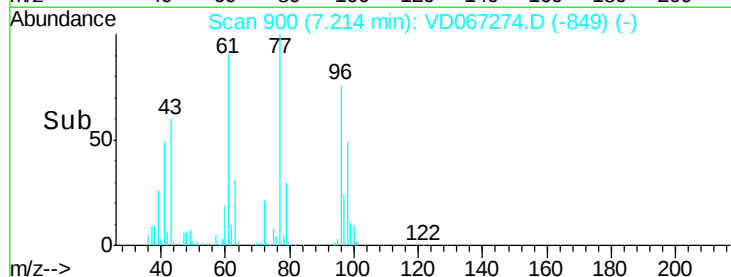
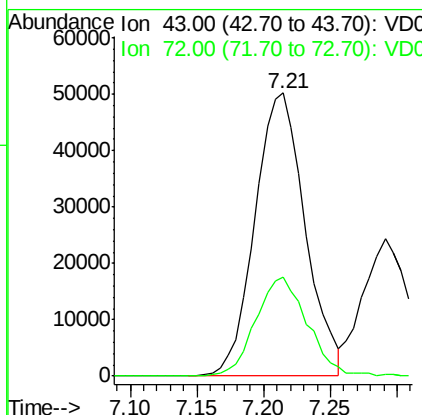
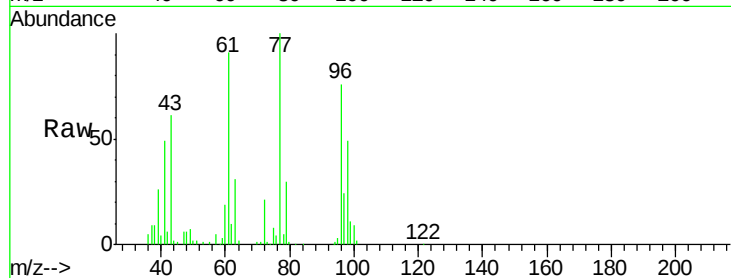




#25
2-Butanone
Concen: 244.172 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

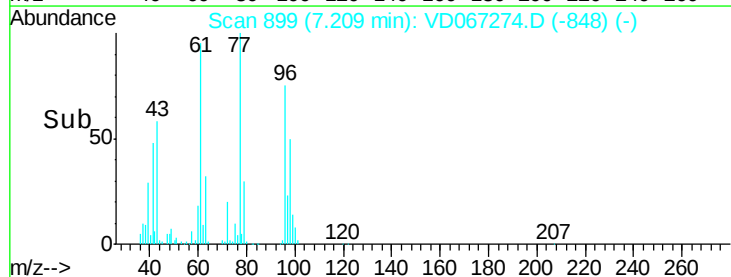
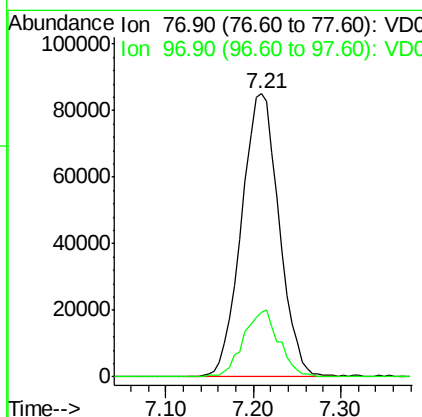
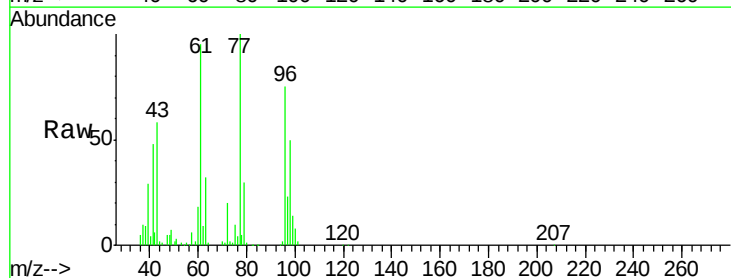
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

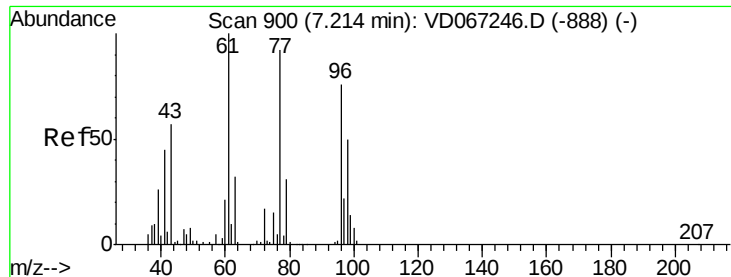
Tot Ion: 43 Resp: 131165
Ion Ratio Lower Upper
43 100
72 34.8 23.7 35.5



#26
2,2-Dichloropropane
Concen: 48.838 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 77 Resp: 249876
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2



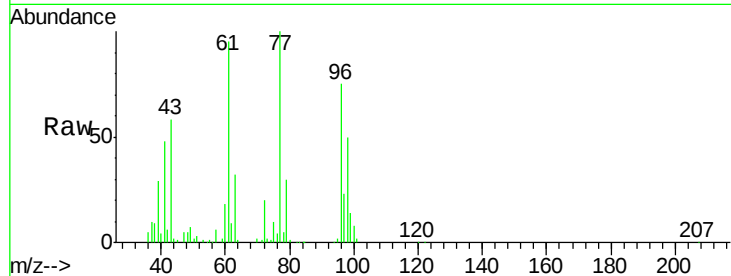


#27

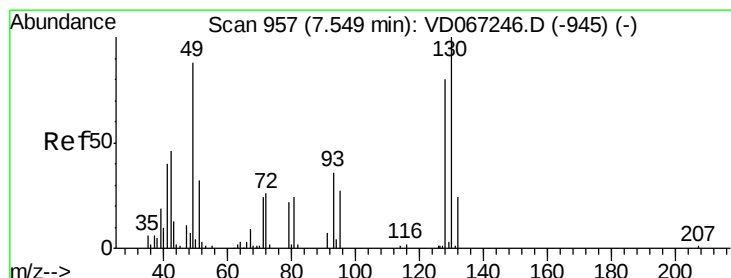
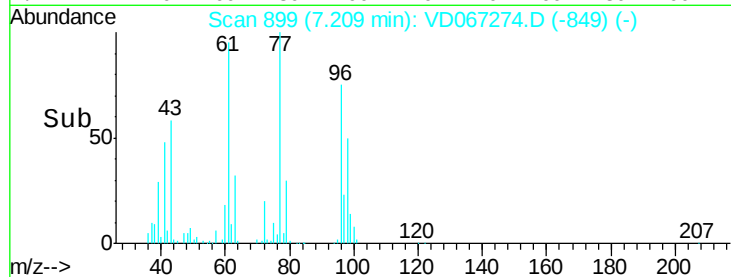
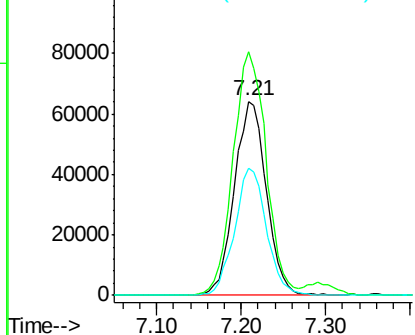
cis-1,2-Dichloroethene
Concen: 48.015 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 167863
Ion Ratio Lower Upper
96 100
61 129.7 0.0 255.4
98 65.3 0.0 128.0



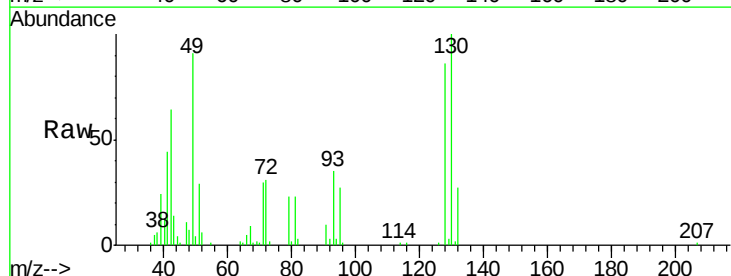
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



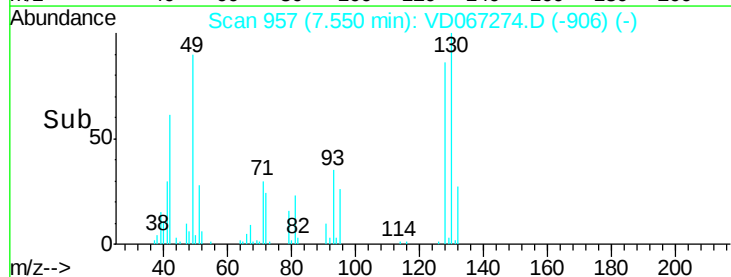
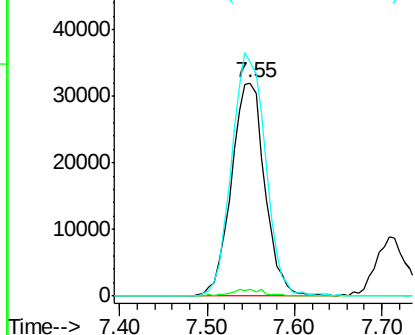
#28

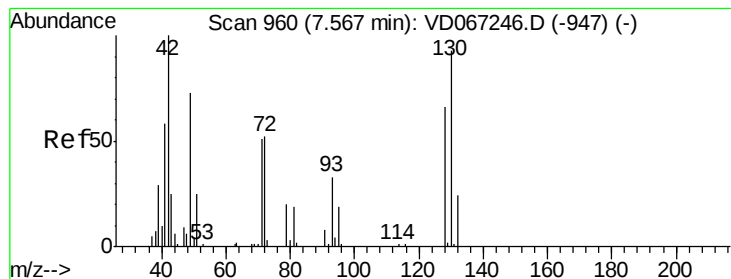
Bromochloromethane
Concen: 48.834 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 49 Resp: 82682
Ion Ratio Lower Upper
49 100
129 3.2 0.0 1.6#
130 115.3 91.0 136.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 248.670 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

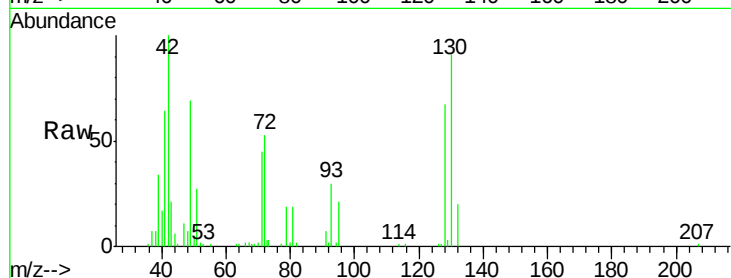
Tot Ion: 42 Resp: 74255

Ion Ratio Lower Upper

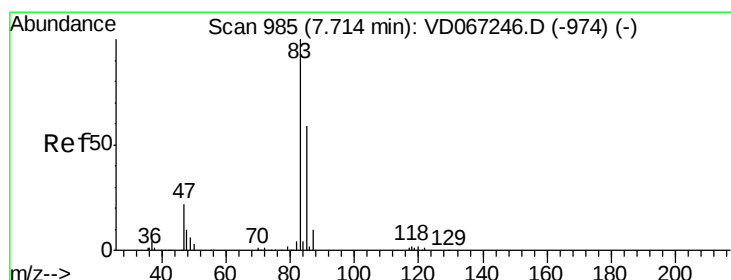
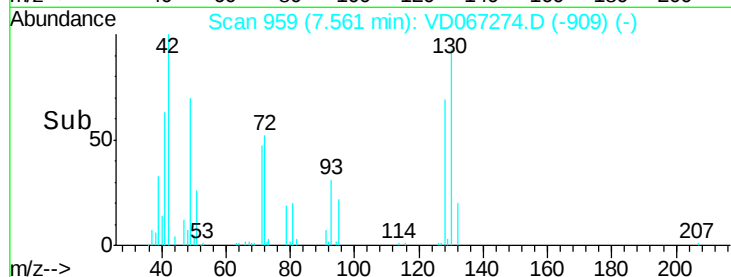
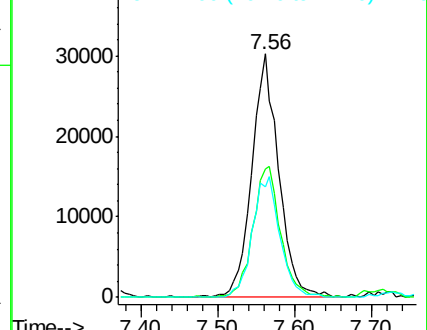
42 100

72 55.1 43.2 64.8

71 50.5 39.4 59.0



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



#30

Chloroform

Concen: 48.495 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067274.D

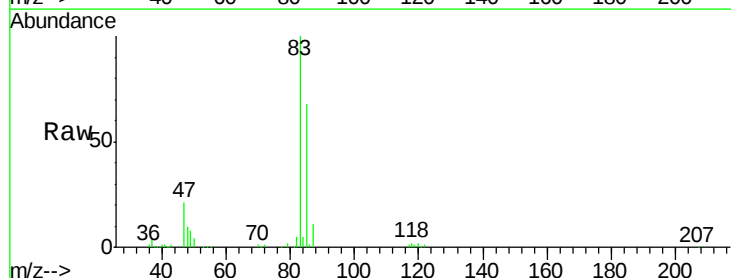
Acq: 15 Oct 2020 10:44

Tgt Ion: 83 Resp: 287569

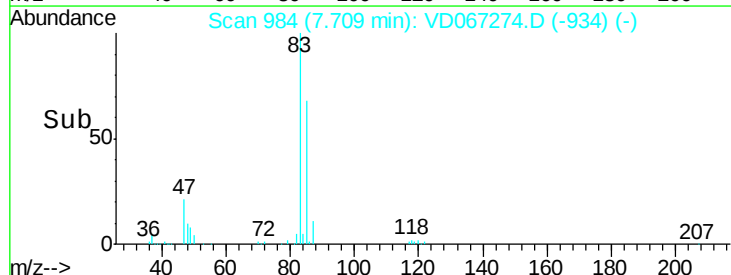
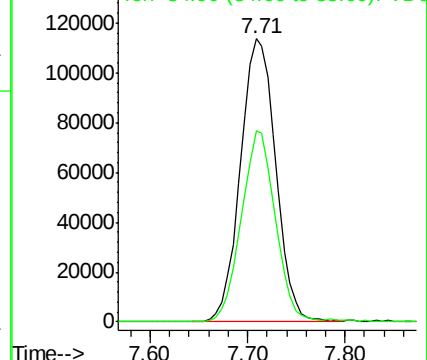
Ion Ratio Lower Upper

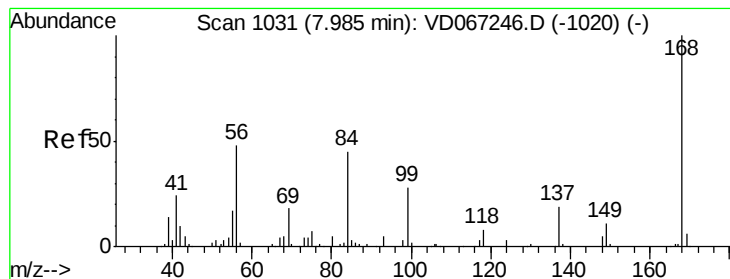
83 100

85 67.5 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: 45.203 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

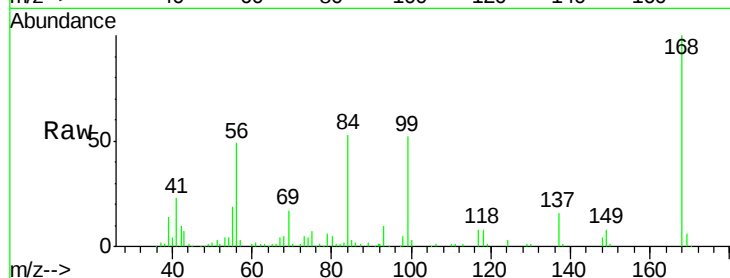
Tot Ion: 56 Resp: 175190

Ion Ratio Lower Upper

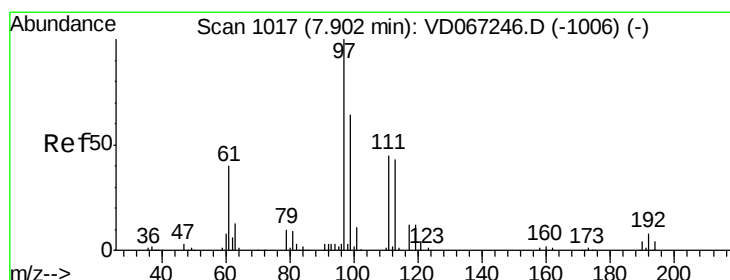
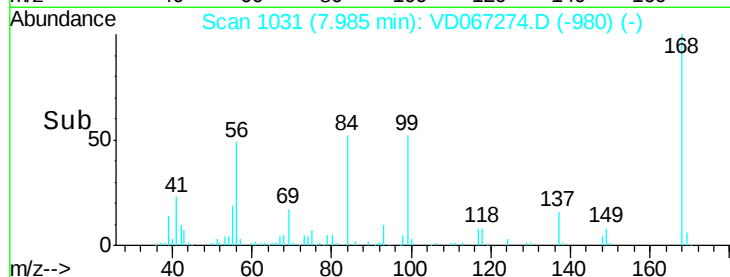
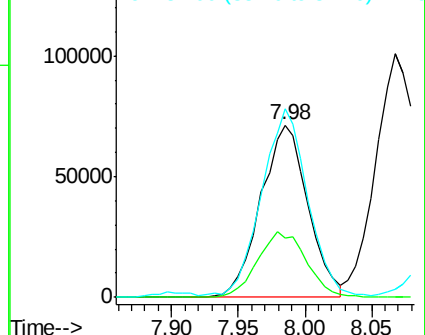
56 100

69 34.6 29.8 44.6

84 106.8 76.6 114.8



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



#32

1,1,1-Trichloroethane

Concen: 49.271 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

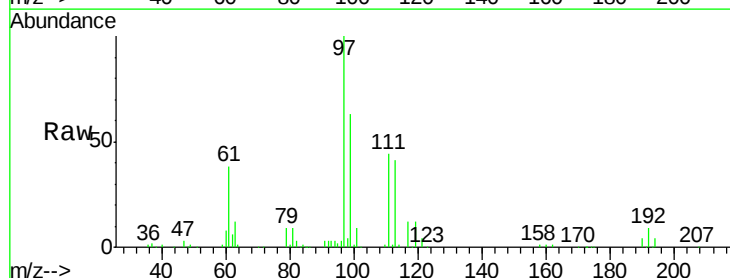
Tgt Ion: 97 Resp: 286673

Ion Ratio Lower Upper

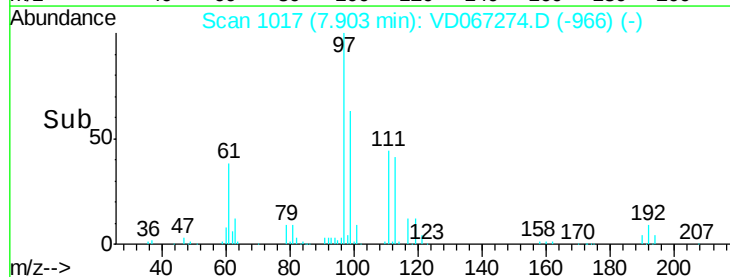
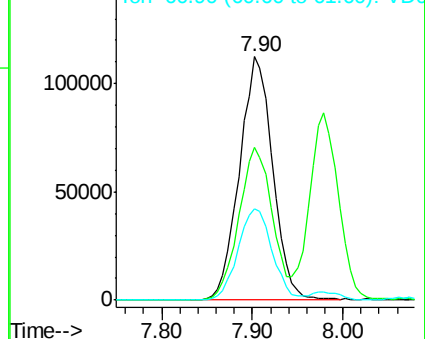
97 100

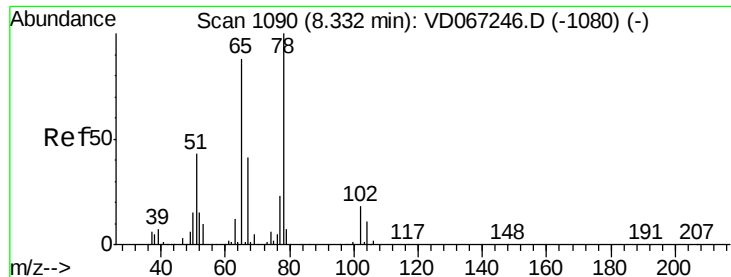
99 62.3 50.2 75.4

61 38.5 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.369 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

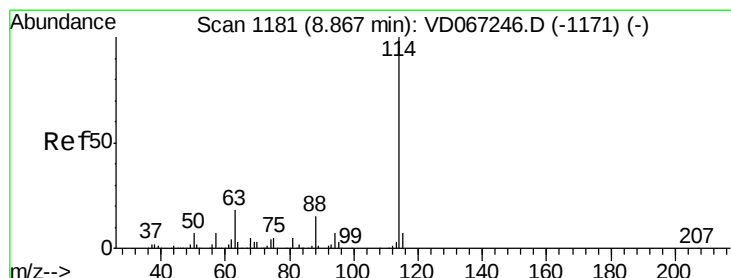
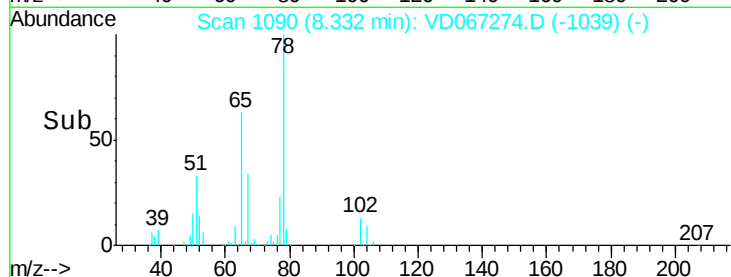
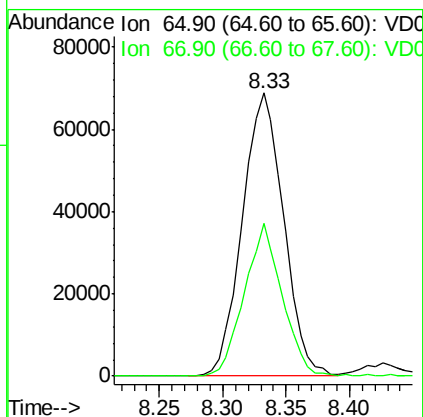
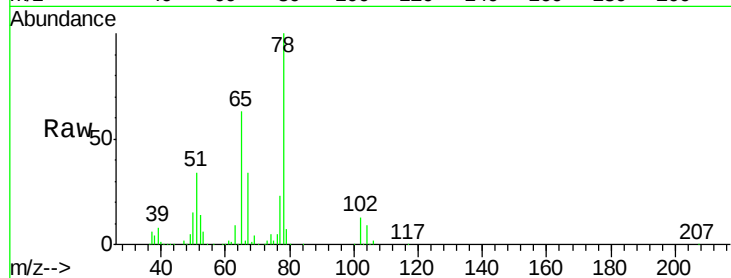
VSTDCCC050

Tot Ion: 65 Resp: 156028

Ion Ratio Lower Upper

65 100

67 49.5 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: VD067274.D

Acq: 15 Oct 2020 10:44

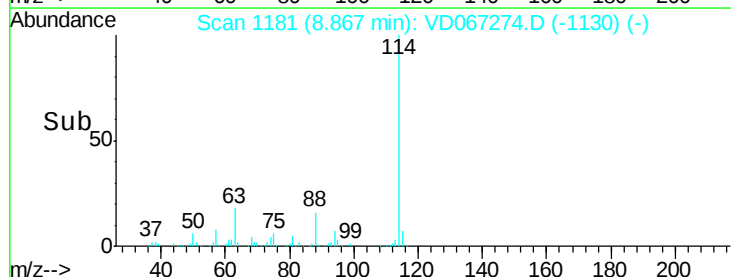
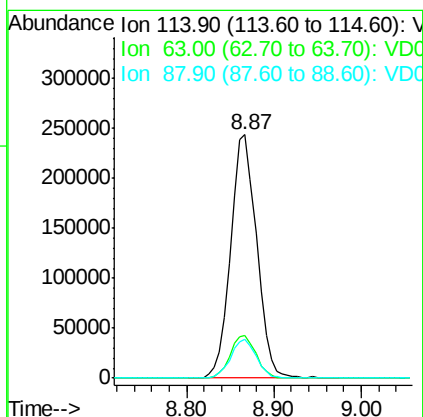
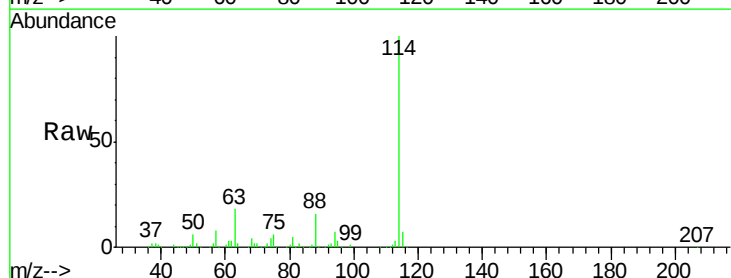
Tgt Ion: 114 Resp: 493795

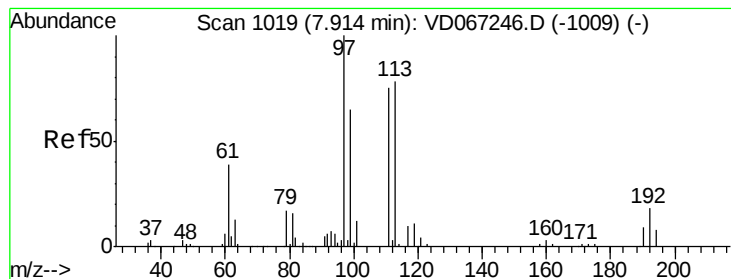
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.783 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

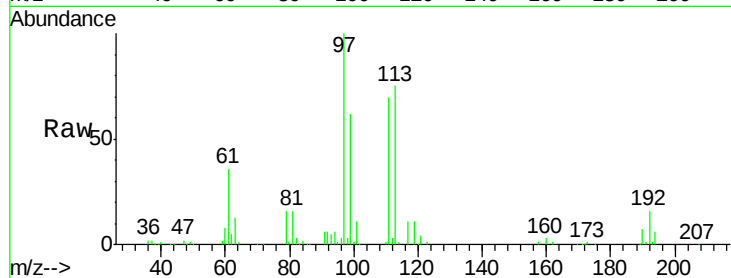
Tot Ion:113 Resp: 160312

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

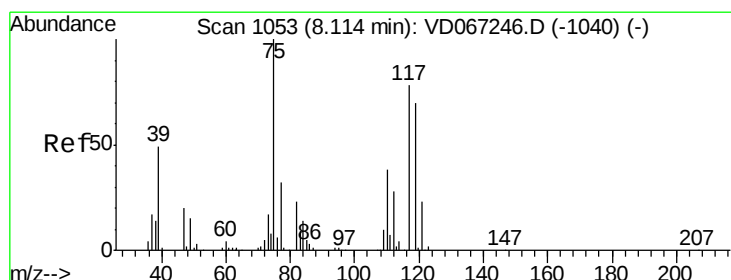
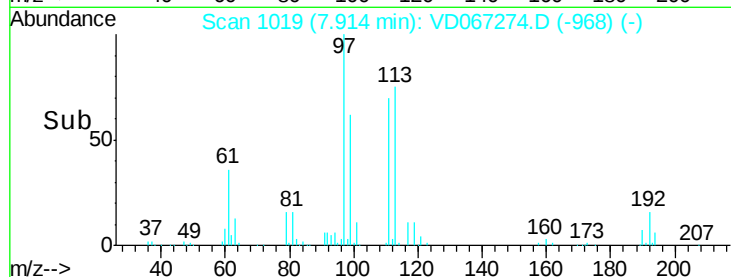
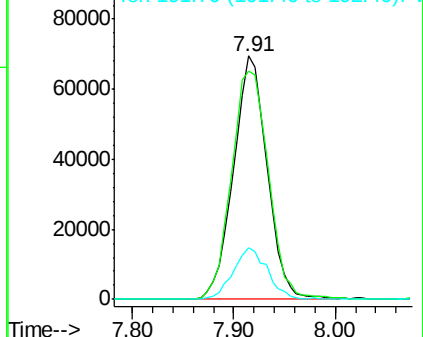
192 21.6 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.485 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

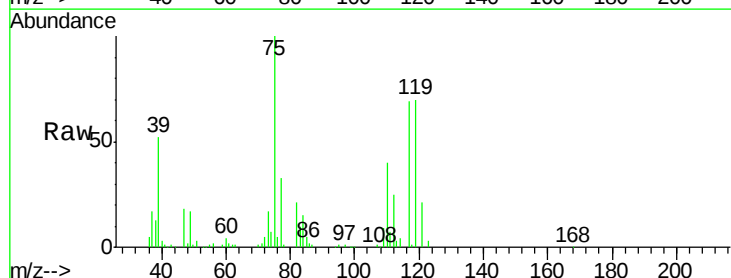
Tgt Ion: 75 Resp: 202922

Ion Ratio Lower Upper

75 100

110 40.0 19.6 58.7

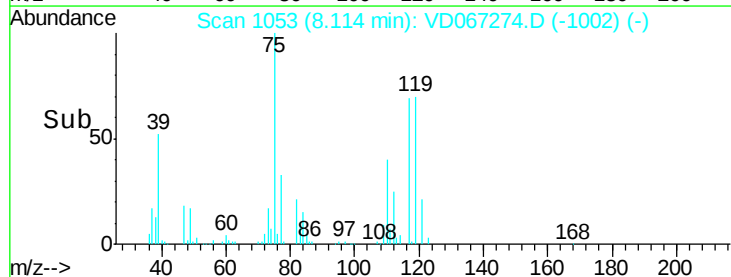
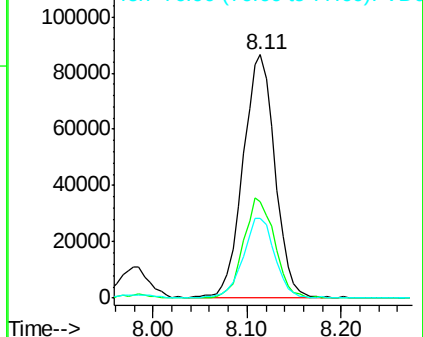
77 32.8 24.6 37.0

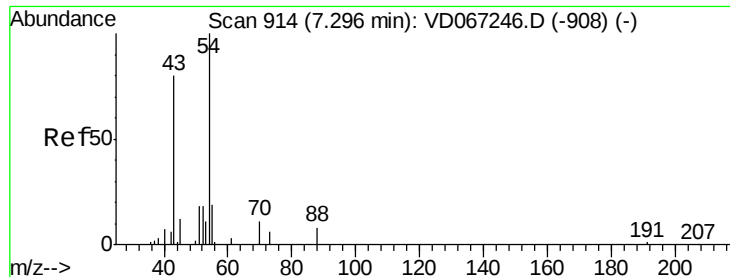


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC

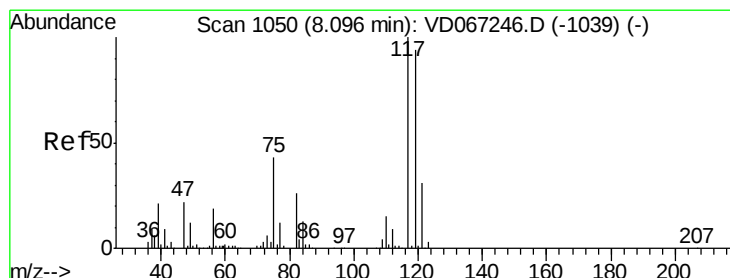
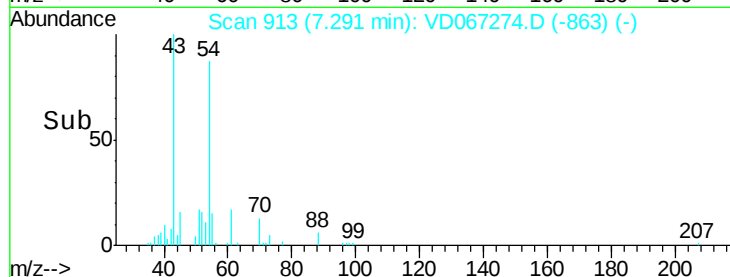
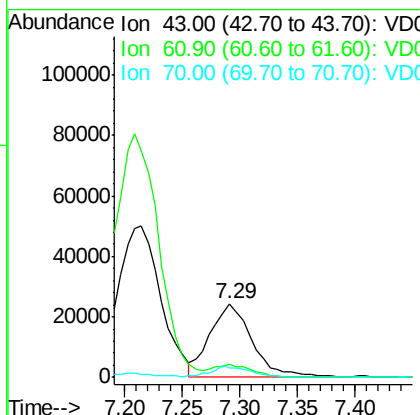
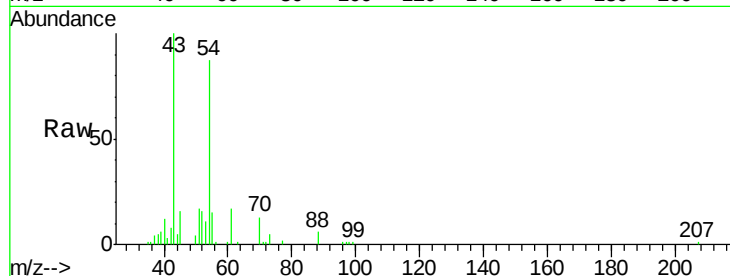




#37
Ethyl Acetate
Concen: 49.401 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

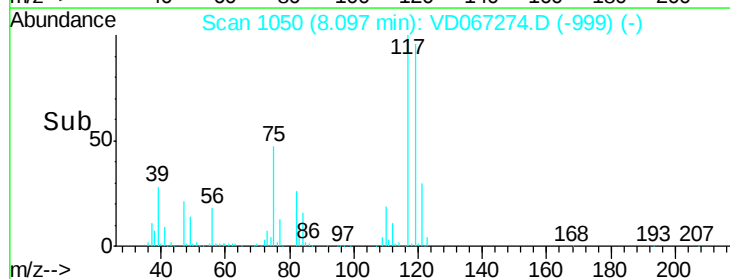
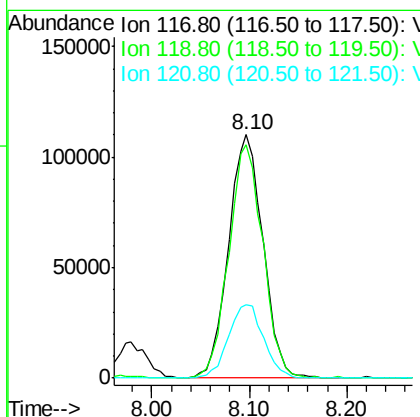
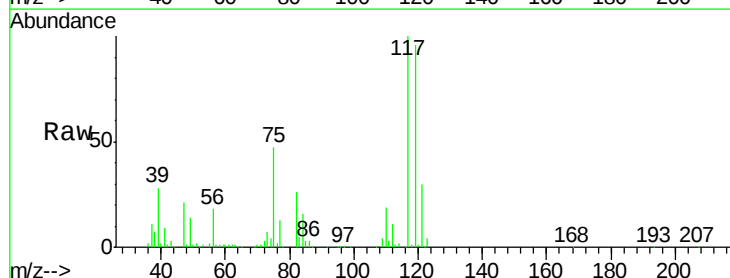
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

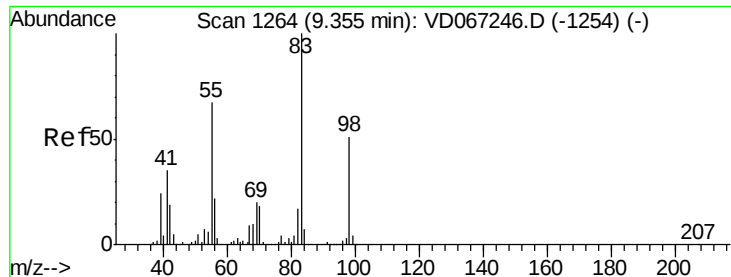
Tot Ion: 43 Resp: 60831
Ion Ratio Lower Upper
43 100
61 15.5 15.6 23.4#
70 14.3 10.4 15.6



#38
Carbon Tetrachloride
Concen: 50.321 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 117 Resp: 269173
Ion Ratio Lower Upper
117 100
119 95.7 75.0 112.4
121 30.3 24.9 37.3

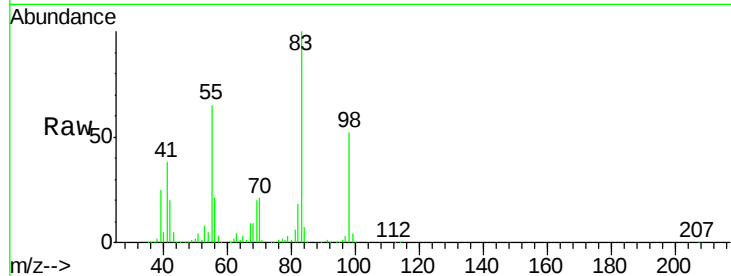




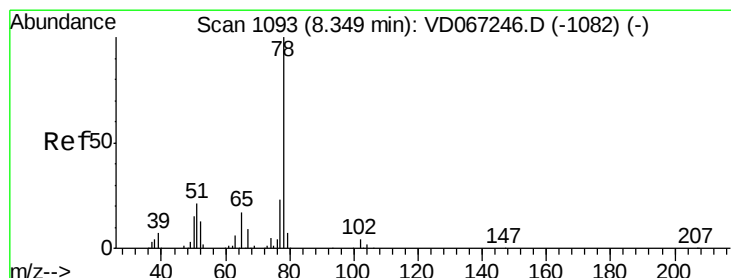
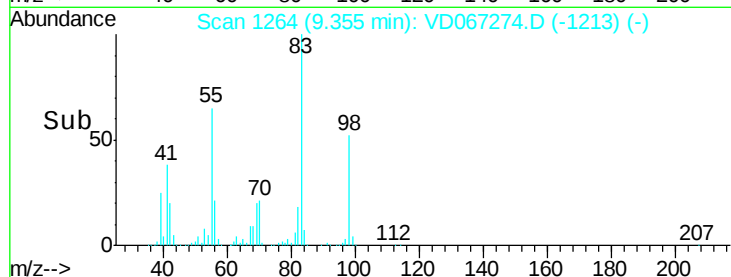
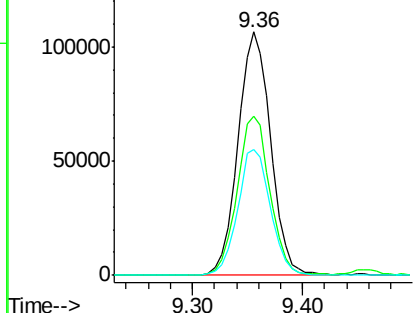
#39
Methvlcvclohexane
Concen: 50.738 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	221995
Ion Ratio	Lower	Upper	
83	100		
55	65.1	53.3	79.9
98	51.6	41.0	61.4

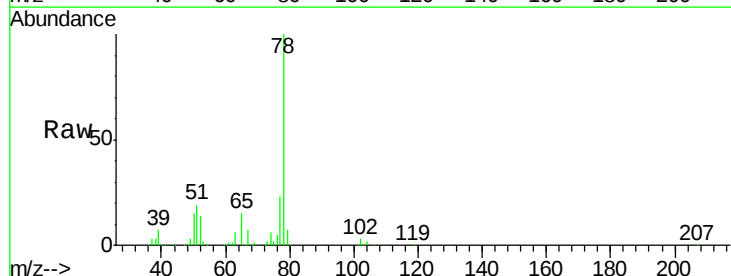


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

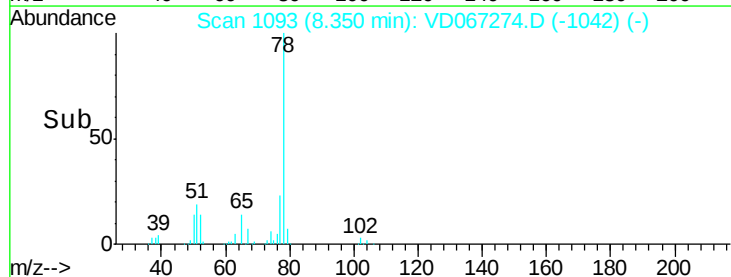
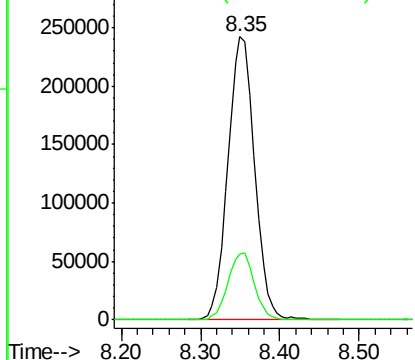


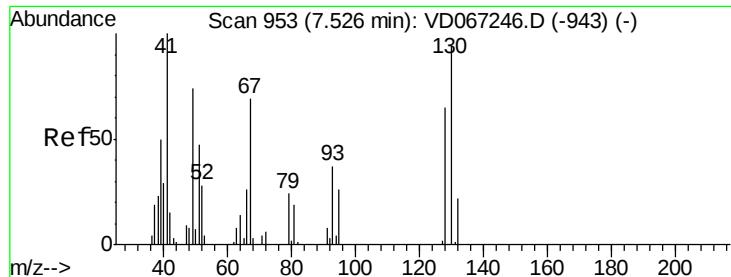
#40
Benzene
Concen: 49.251 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion	78	Resp	565484
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.3	27.5



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

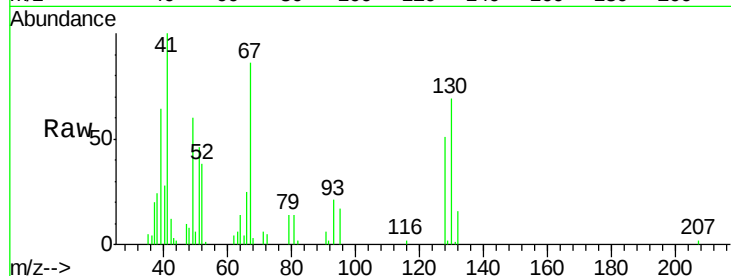




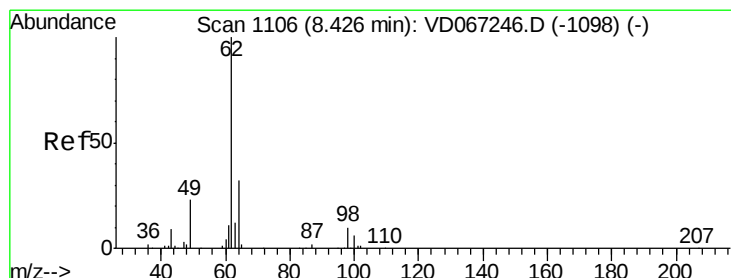
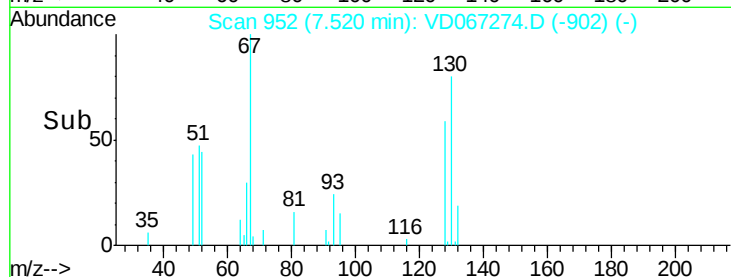
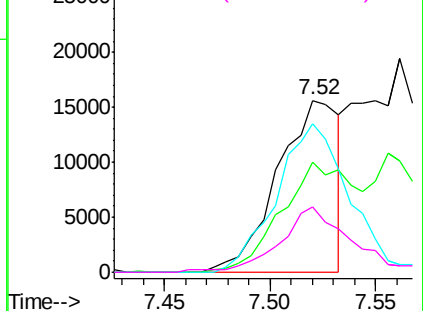
#41
Methacrylonitrile
Concen: 47.264 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	31450
Ion	Ratio	Lower	Upper
41	100		
39	77.2	60.0	90.0
67	102.9	88.9	133.3
52	44.0	36.9	55.3

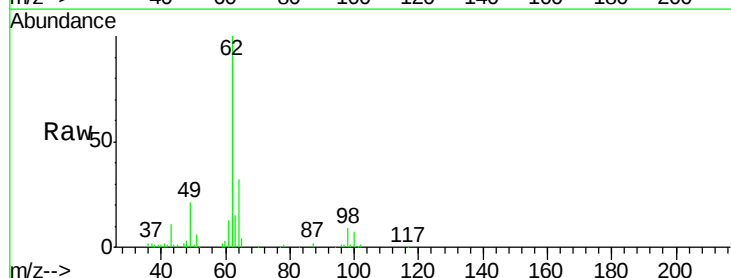


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

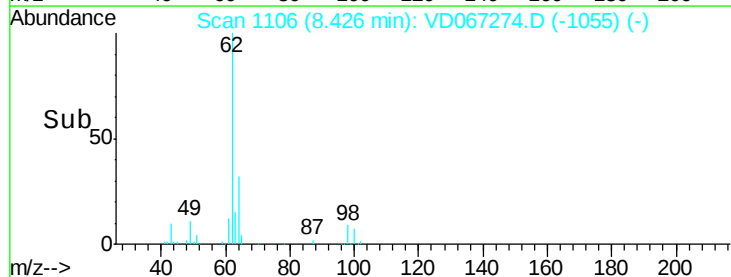
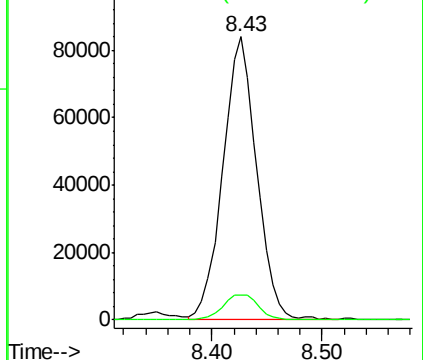


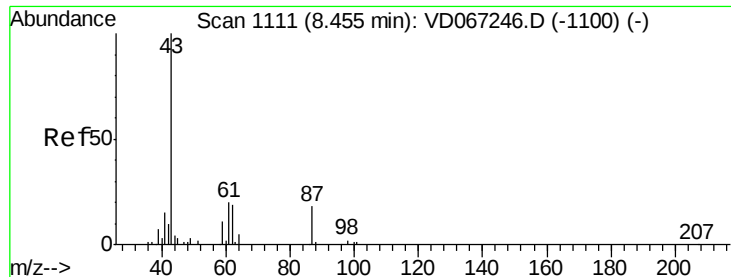
#42
1,2-Dichloroethane
Concen: 49.730 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion:	62	Resp:	178690
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 50.029 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

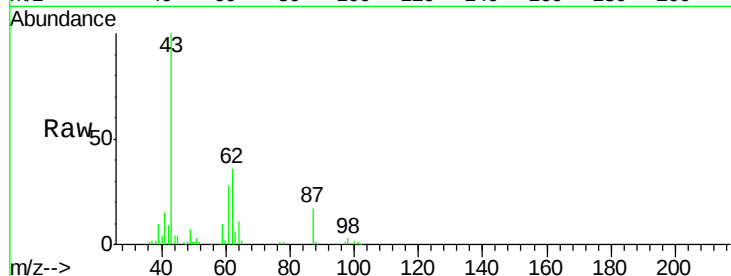
Tot Ion: 43 Resp: 122239

Ion Ratio Lower Upper

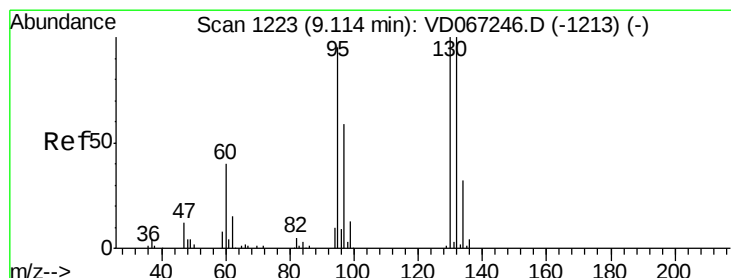
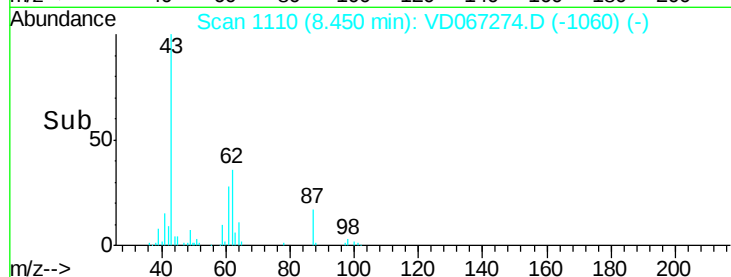
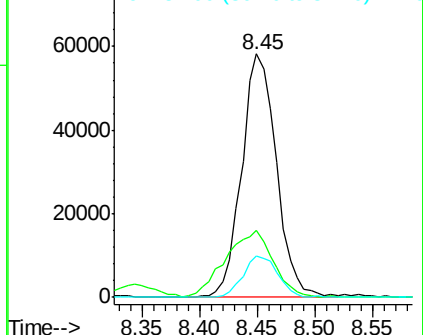
43 100

61 37.4 29.5 44.3

87 17.2 14.2 21.4



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



#44

Trichloroethene

Concen: 49.043 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067274.D

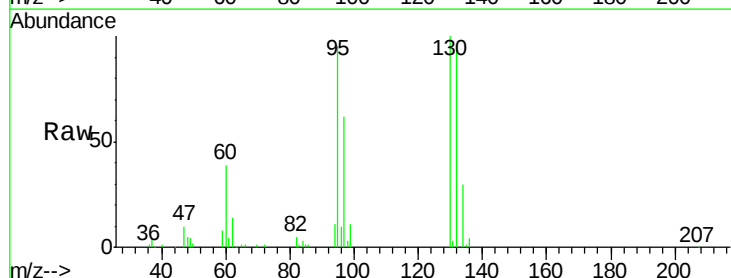
Acq: 15 Oct 2020 10:44

Tgt Ion: 130 Resp: 180290

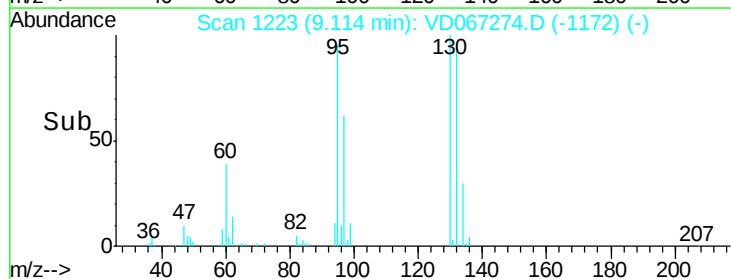
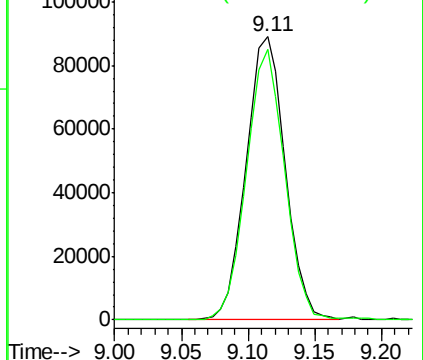
Ion Ratio Lower Upper

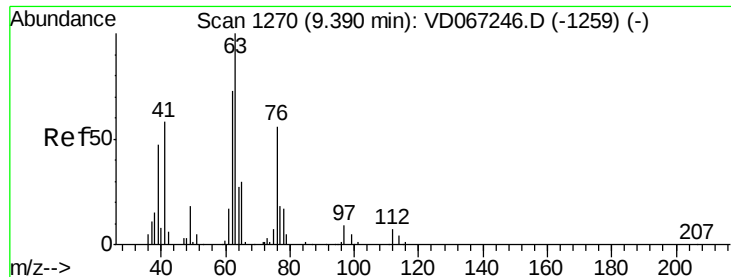
130 100

95 95.4 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: 48.509 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

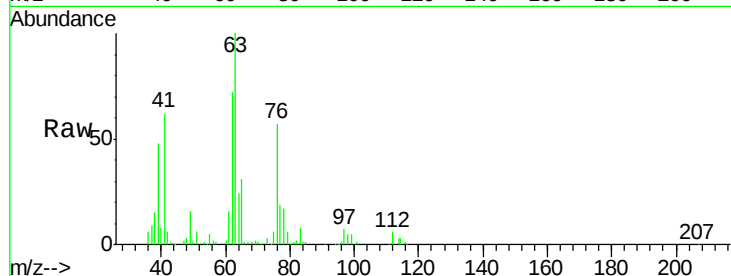
VSTDCCC050

Tot Ion: 63 Resp: 129081

Ion Ratio Lower Upper

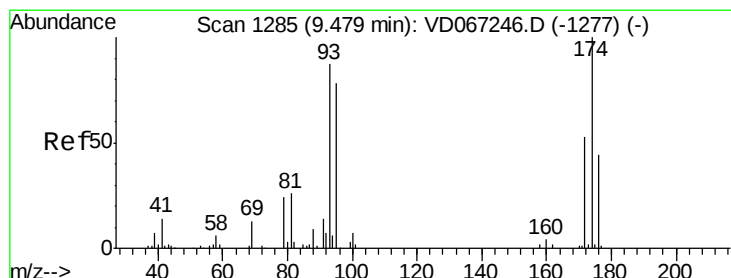
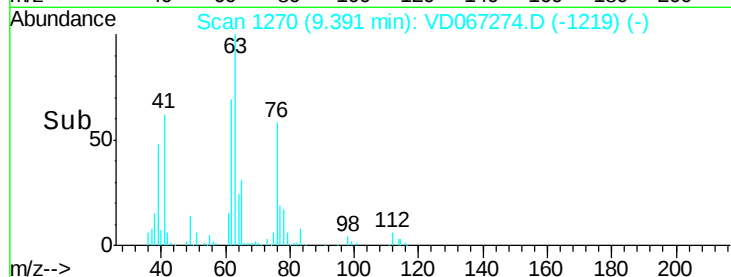
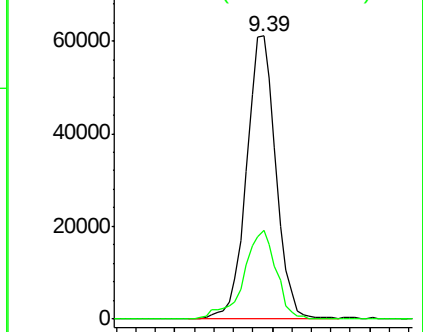
63 100

65 31.2 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: 49.933 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

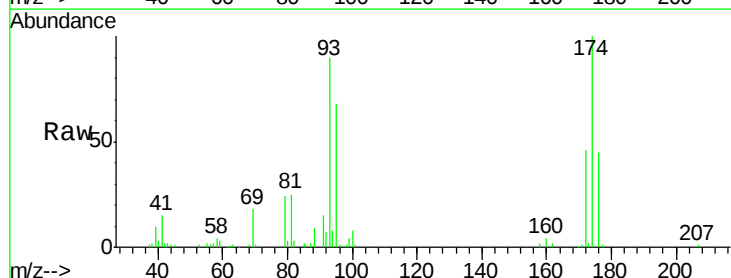
Tgt Ion: 93 Resp: 82785

Ion Ratio Lower Upper

93 100

95 81.4 68.0 102.0

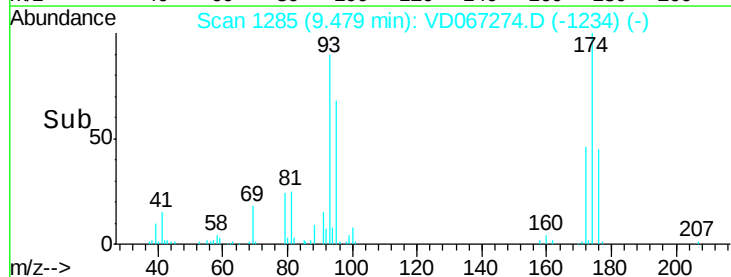
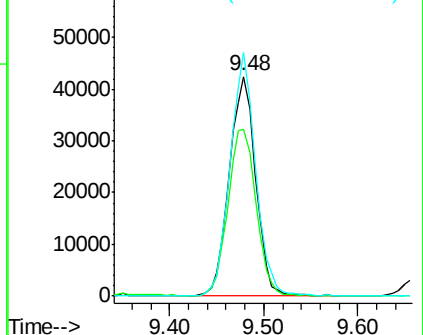
174 107.0 91.8 137.6

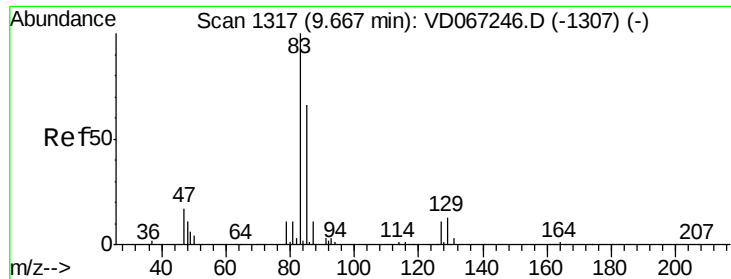


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.027 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

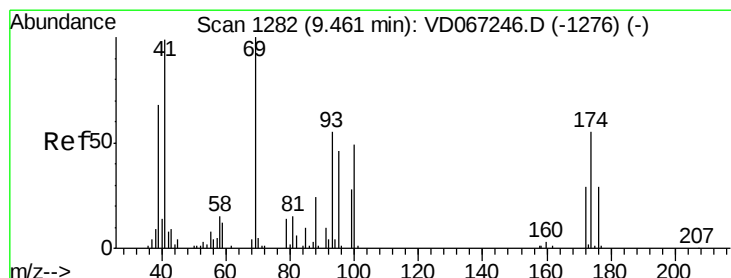
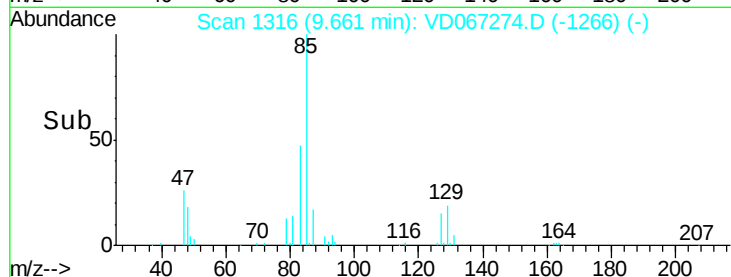
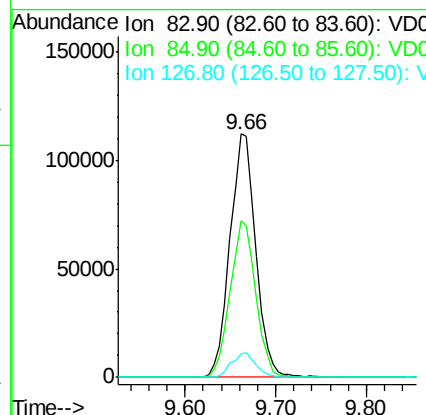
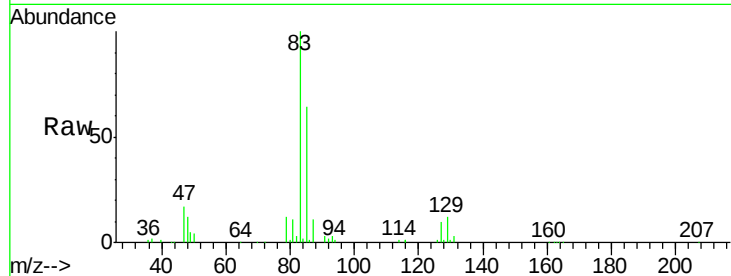
Tot Ion: 83 Resp: 222219

Ion Ratio Lower Upper

83 100

85 64.1 53.1 79.7

127 9.8 8.6 13.0



#48

Methyl methacrylate

Concen: 51.117 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

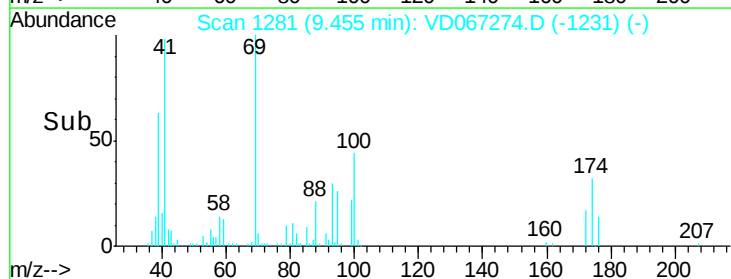
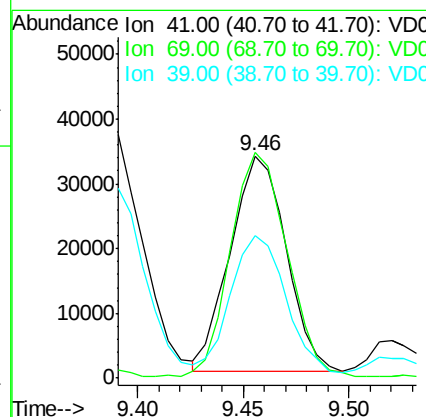
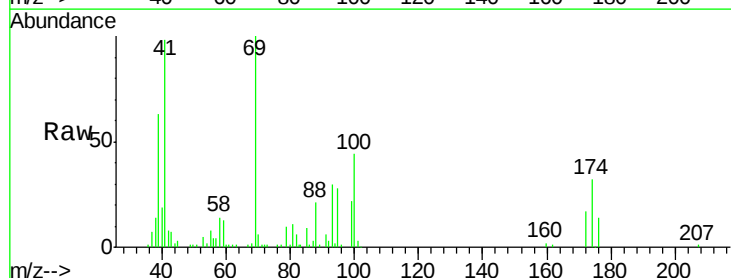
Tgt Ion: 41 Resp: 60696

Ion Ratio Lower Upper

41 100

69 106.8 89.0 133.6

39 68.7 60.2 90.2

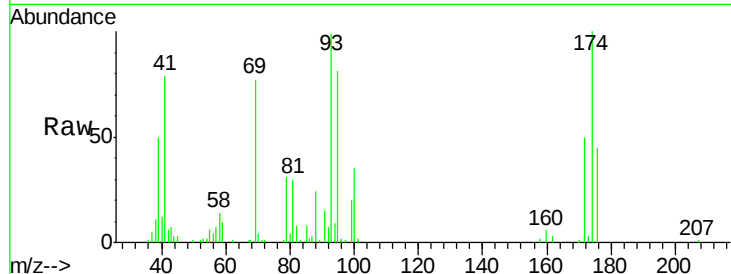




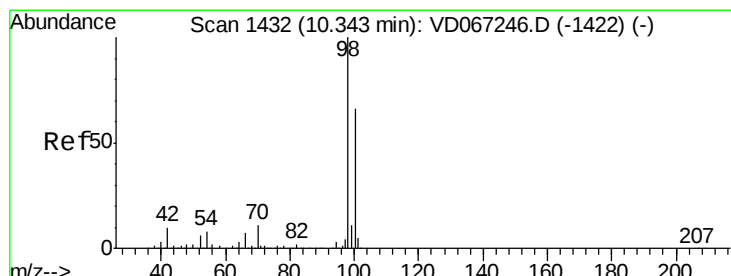
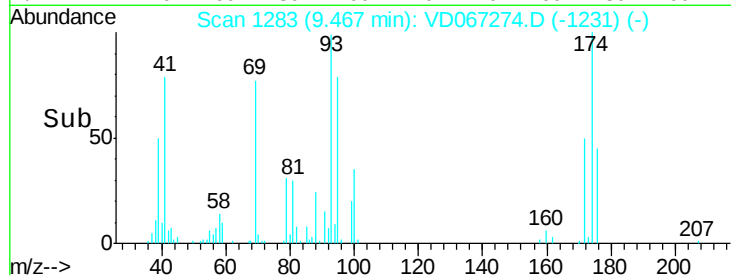
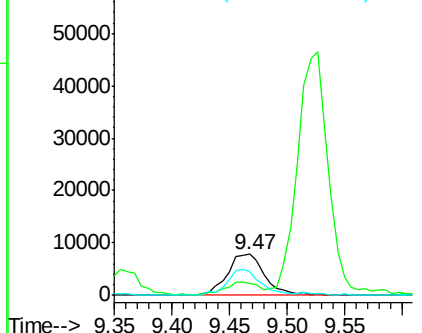
#49
1,4-Dioxane
Concen: 1107.714 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 17720
Ion Ratio Lower Upper
88 100
43 29.2 23.9 35.9
58 57.3 51.0 76.6

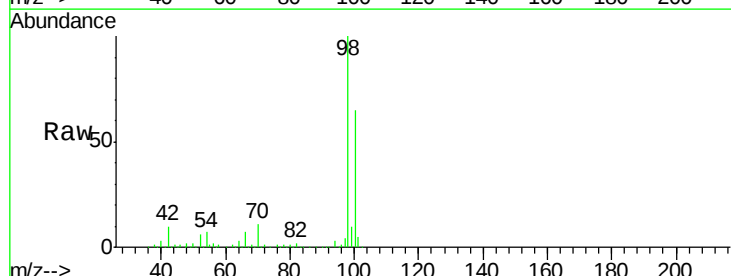


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

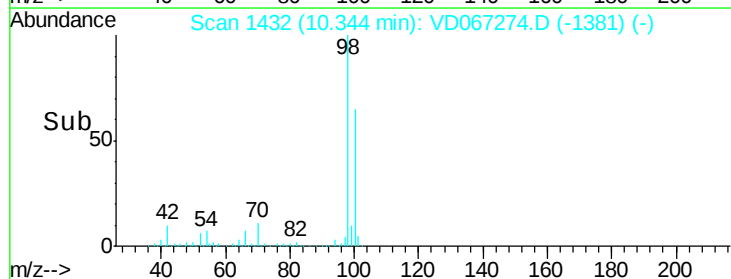
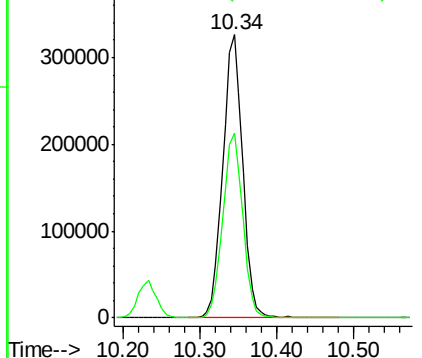


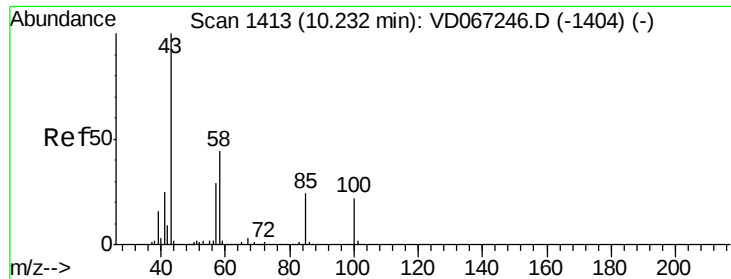
#50
Toluene-d8
Concen: 49.166 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 98 Resp: 584704
Ion Ratio Lower Upper
98 100
100 65.9 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: 250.795 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

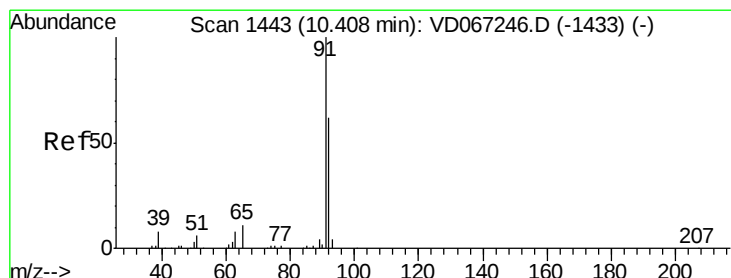
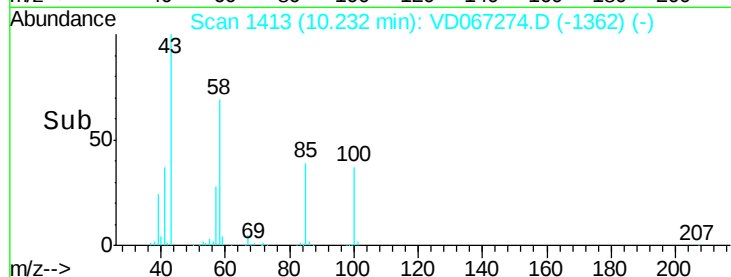
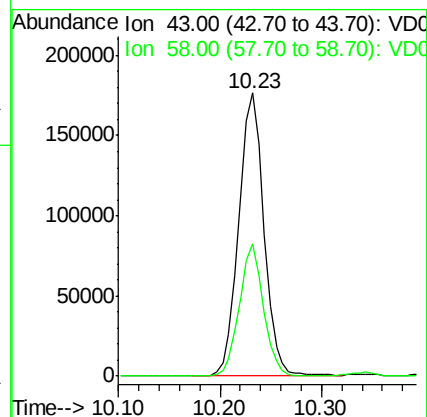
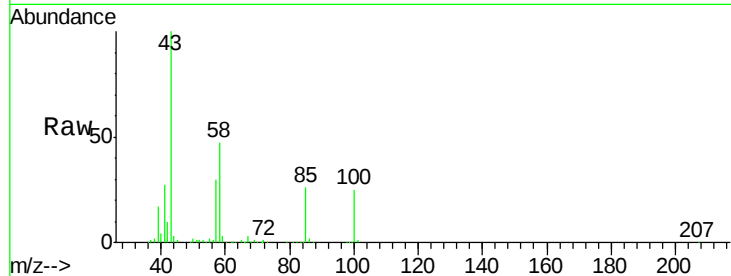
VSTDCCC050

Tot Ion: 43 Resp: 305638

Ion Ratio Lower Upper

43 100

58 44.4 35.7 53.5



#52

Toluene

Concen: 50.776 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067274.D

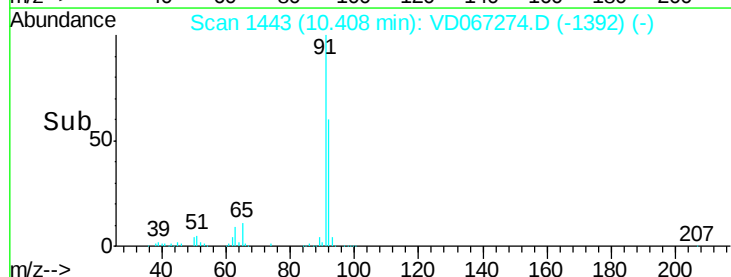
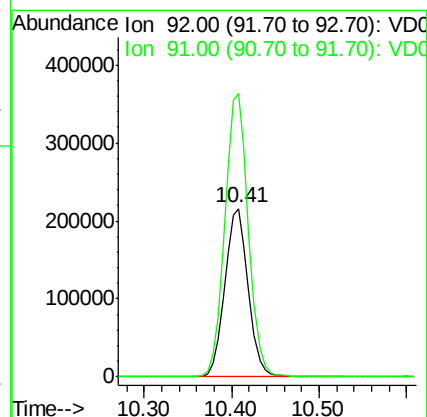
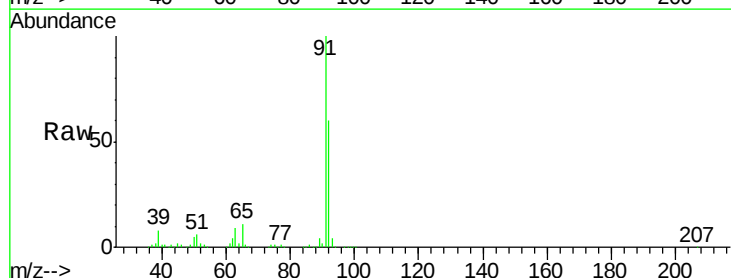
Acq: 15 Oct 2020 10:44

Tgt Ion: 92 Resp: 397081

Ion Ratio Lower Upper

92 100

91 168.7 133.8 200.8

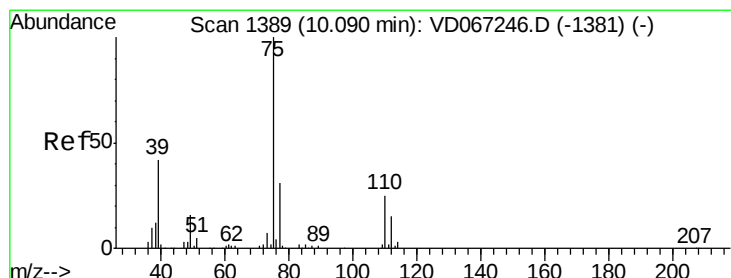
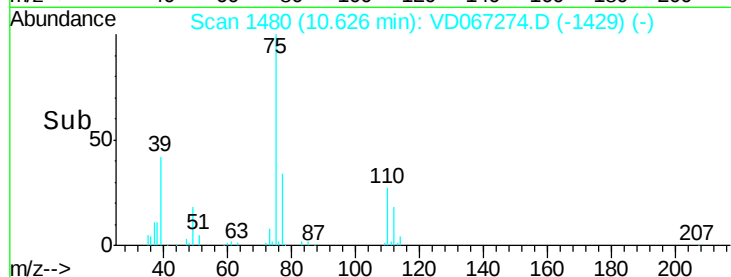
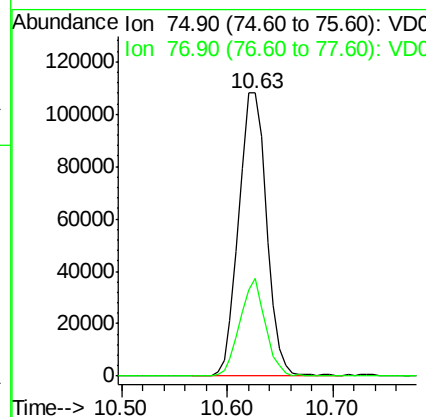
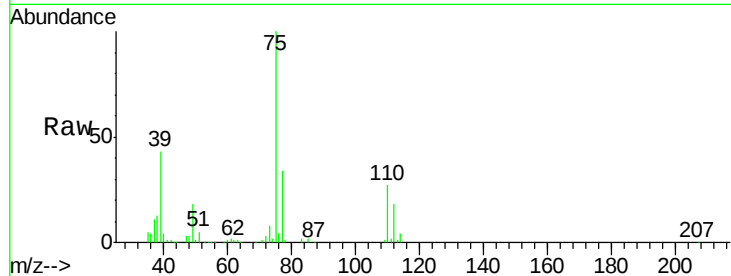




#53
t-1,3-Dichloropropene
Concen: 50.816 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

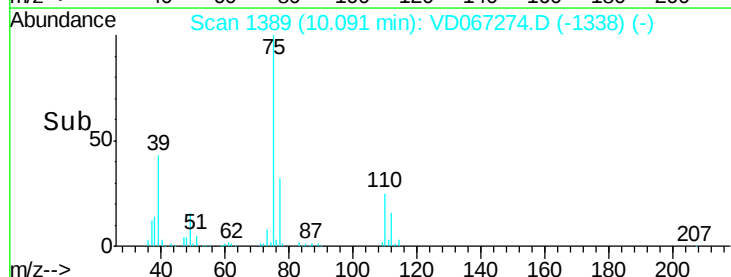
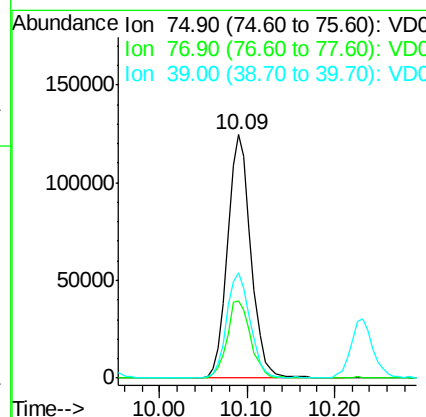
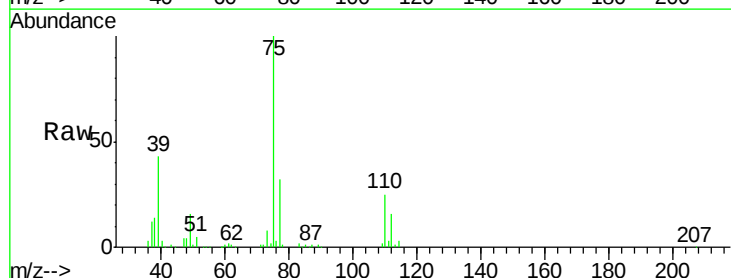
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

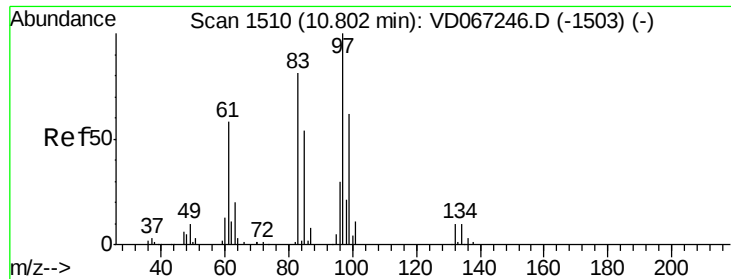
Tot Ion: 75 Resp: 198288
Ion Ratio Lower Upper
75 100
77 34.4 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 49.898 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 75 Resp: 227865
Ion Ratio Lower Upper
75 100
77 31.7 24.5 36.7
39 42.9 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 49.530 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 111977

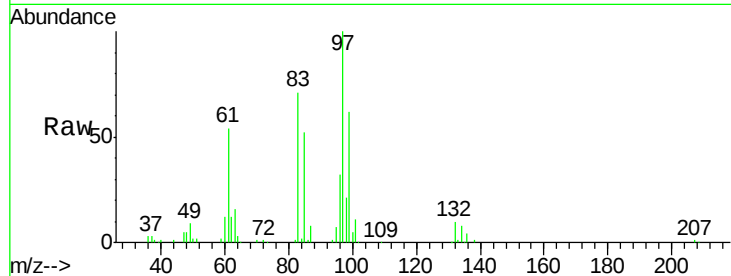
Ion	Ratio	Lower	Upper
97	100		
83	71.3	64.9	97.3
85	52.3	43.3	64.9
99	61.7	49.1	73.7

97 100

83 71.3 64.9 97.3

85 52.3 43.3 64.9

99 61.7 49.1 73.7



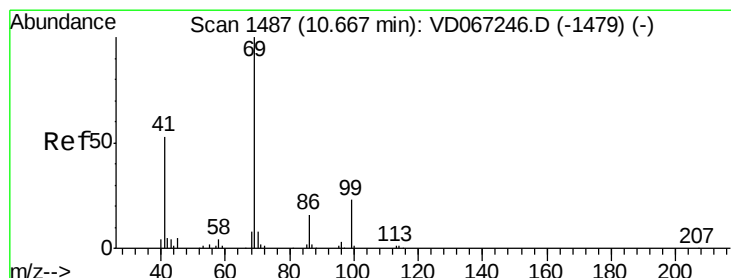
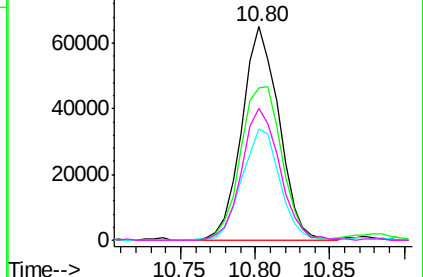
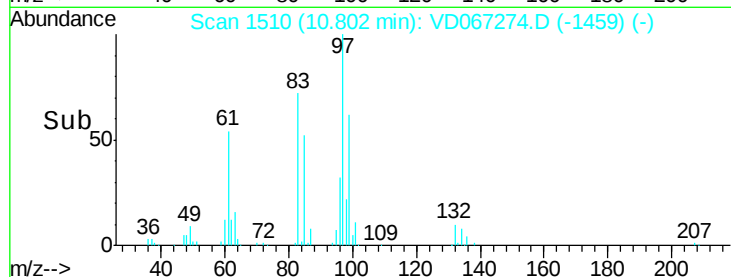
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

10.80



#56

Ethyl methacrylate

Concen: 51.423 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

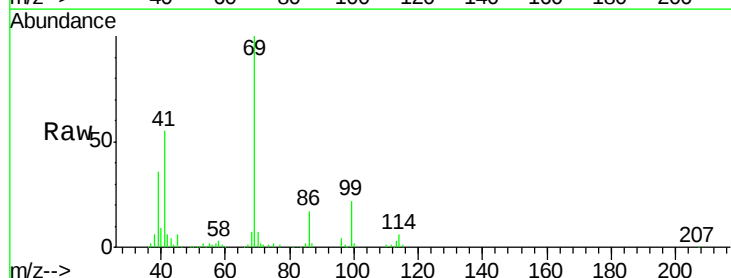
Tgt Ion: 69 Resp: 120572

Ion	Ratio	Lower	Upper
69	100		
41	56.1	44.7	67.1
39	37.0	26.2	39.2

69 100

41 56.1 44.7 67.1

39 37.0 26.2 39.2

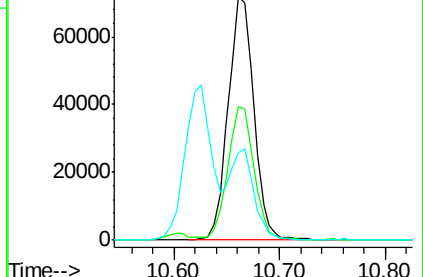
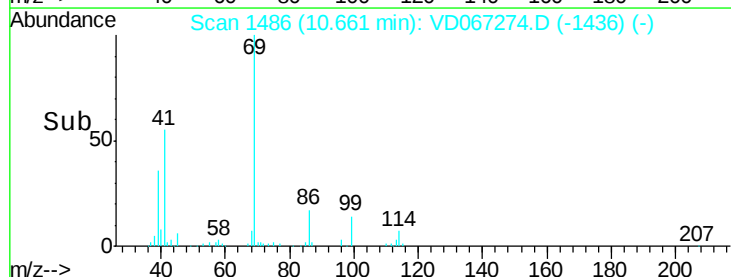


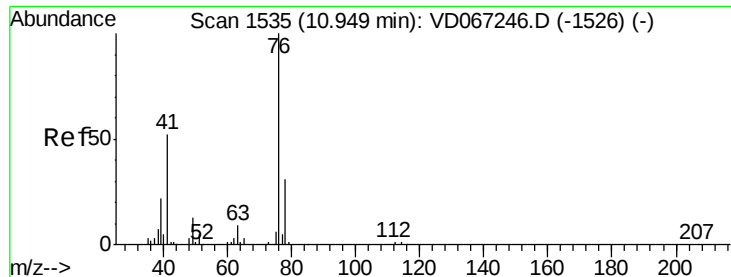
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.66

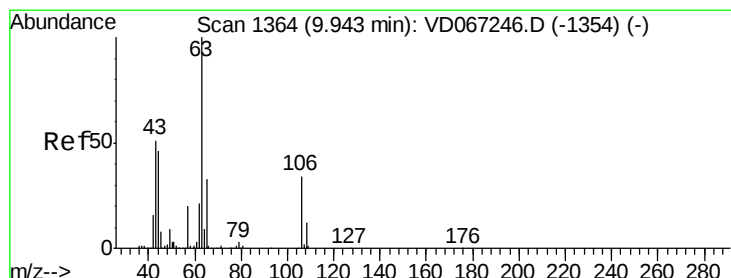
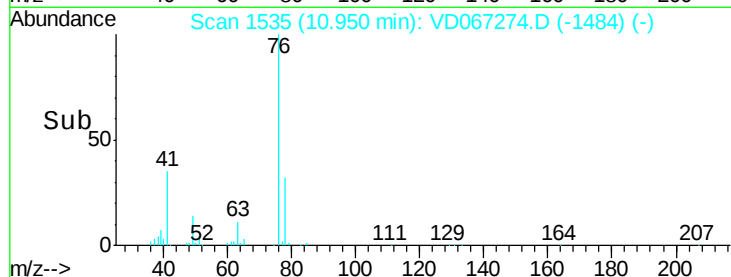
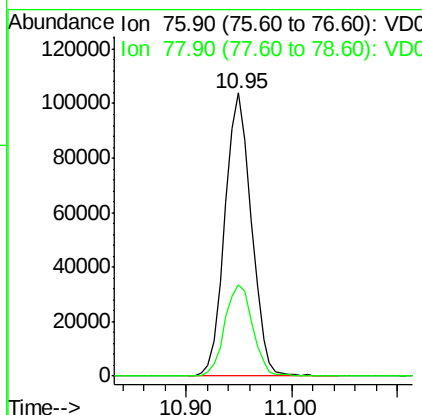
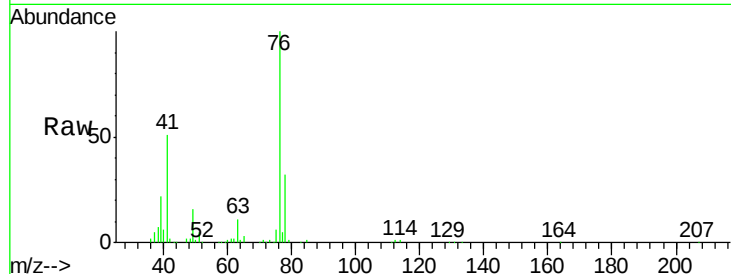




#57
 1,3-Dichloropropane
 Concen: 50.097 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

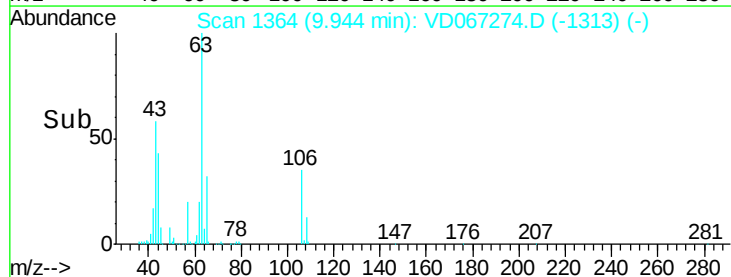
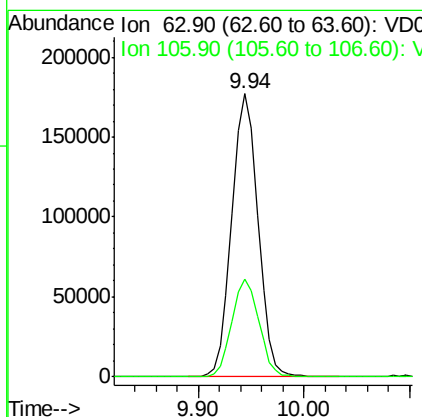
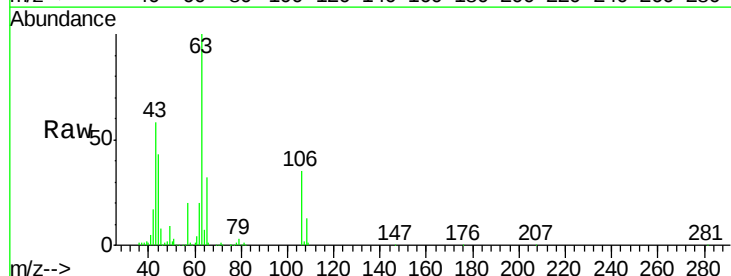
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

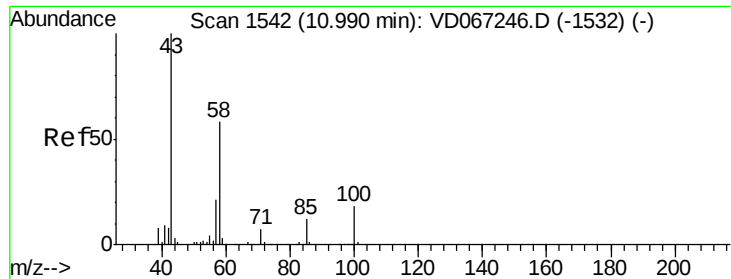
Tot Ion: 76 Resp: 180245
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.383 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

Tgt Ion: 63 Resp: 304777
 Ion Ratio Lower Upper
 63 100
 106 35.7 27.8 41.6

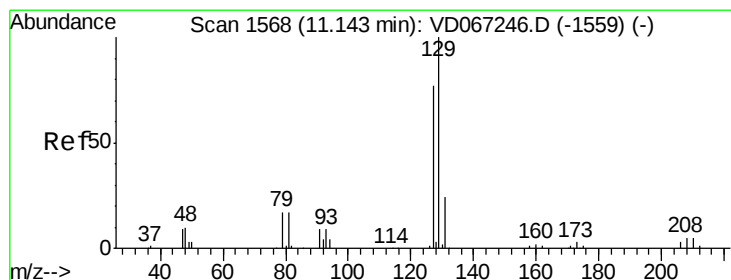
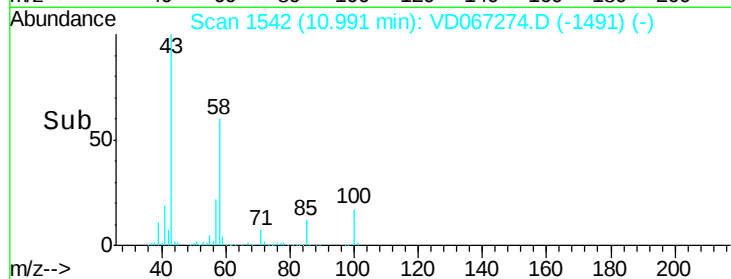
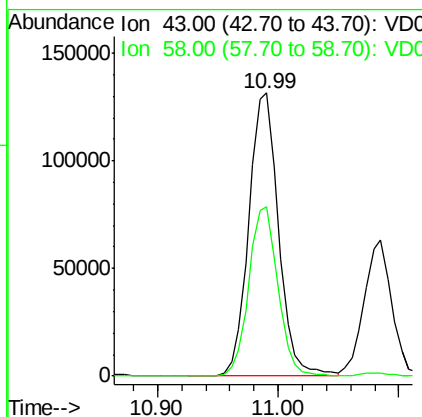
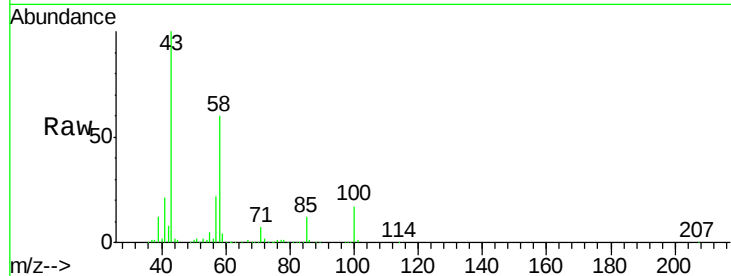




#59
2-Hexanone
Concen: 272.641 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

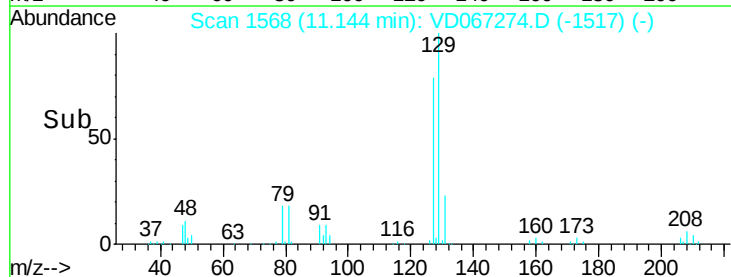
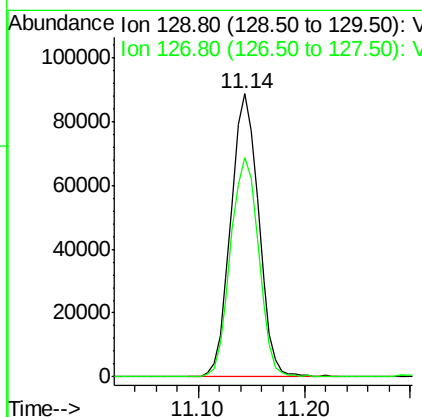
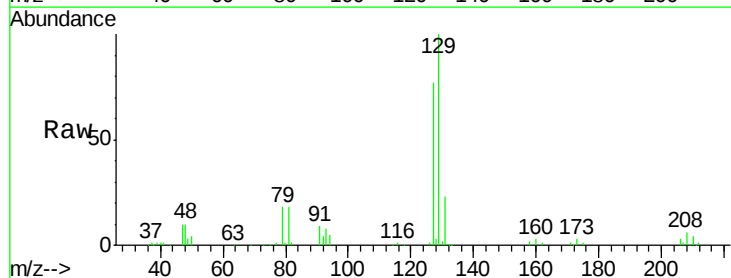
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

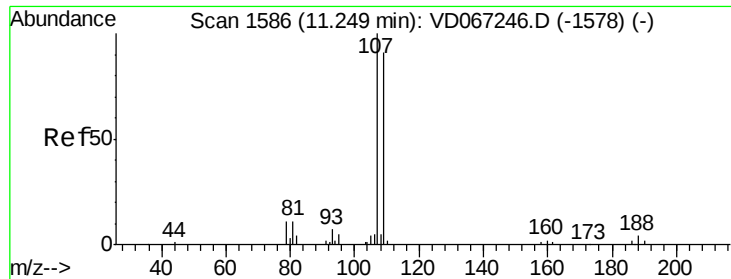
Tot Ion: 43 Resp: 227044
Ion Ratio Lower Upper
43 100
58 58.6 29.3 87.9



#60
Dibromochloromethane
Concen: 49.097 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 129 Resp: 161878
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8

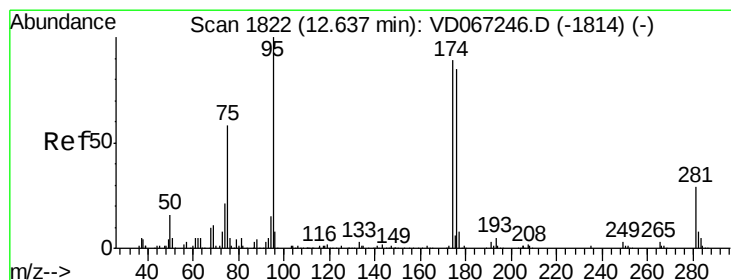
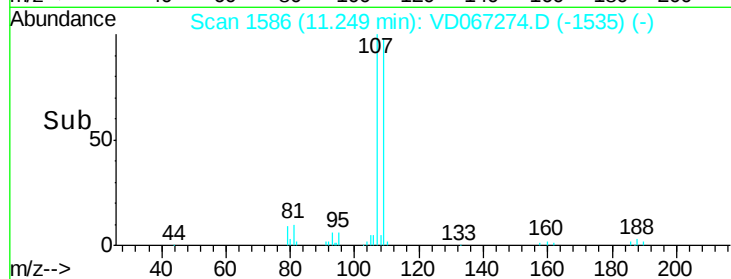
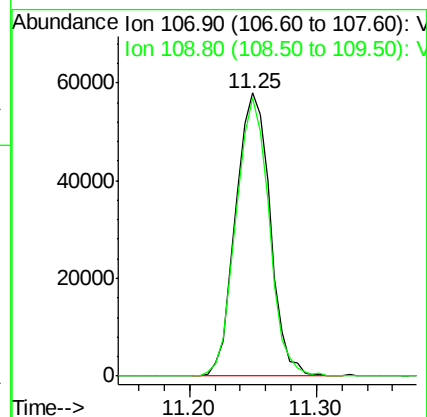
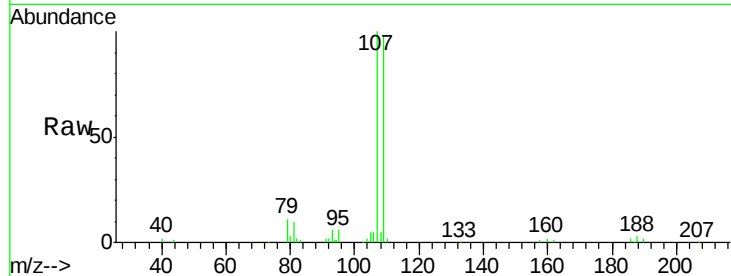




#61
 1,2-Dibromoethane
 Concen: 48.740 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

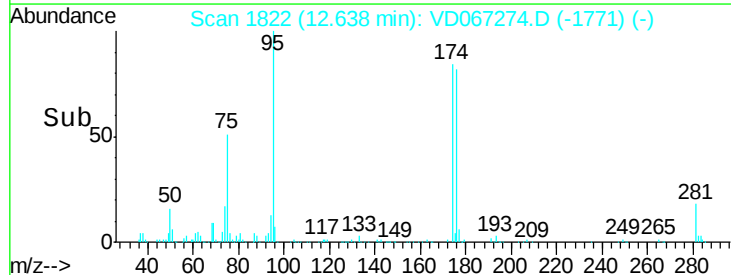
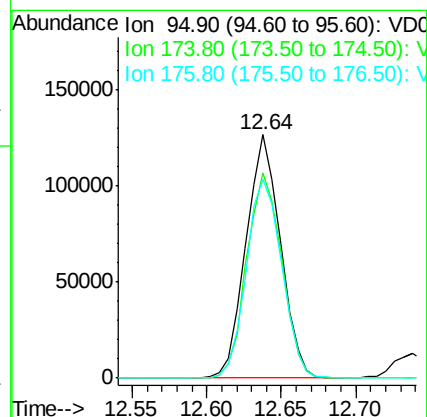
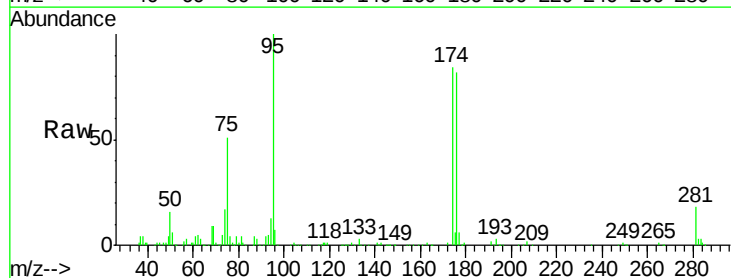
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 108633
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.861 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

Tgt Ion: 95 Resp: 202056
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 175.2
 176 84.3 0.0 168.6

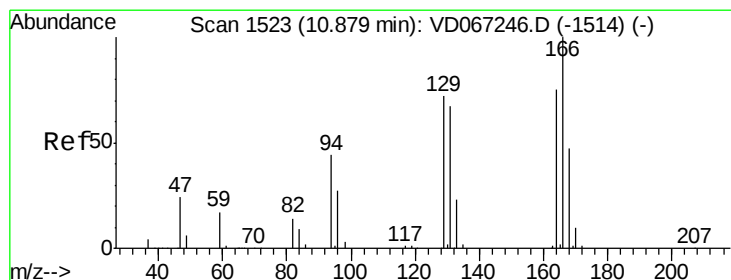
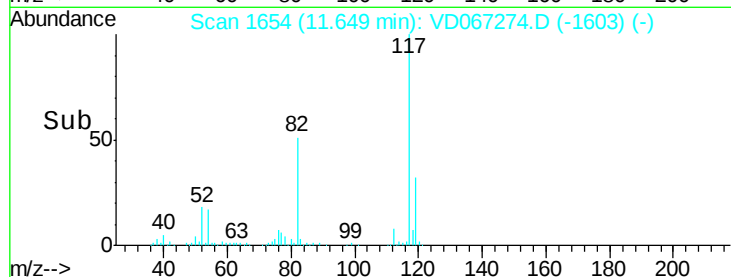
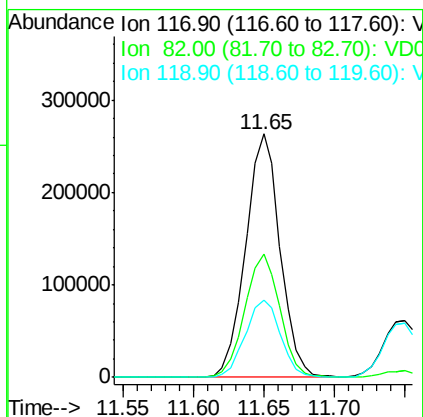
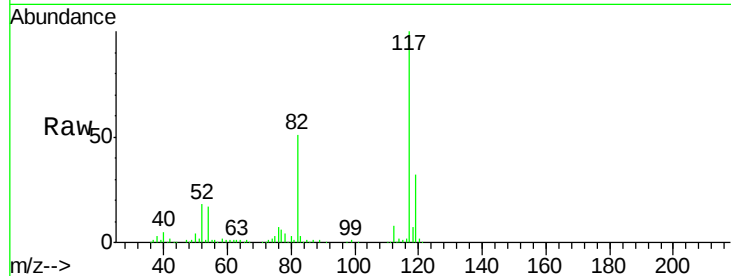




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

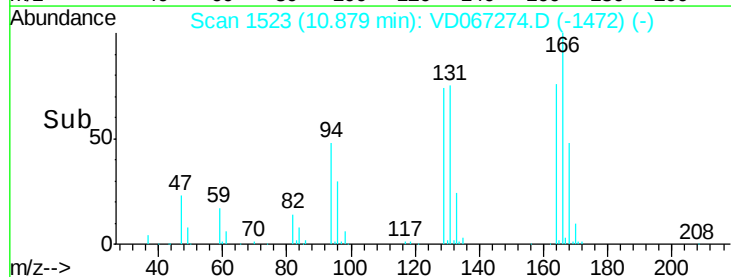
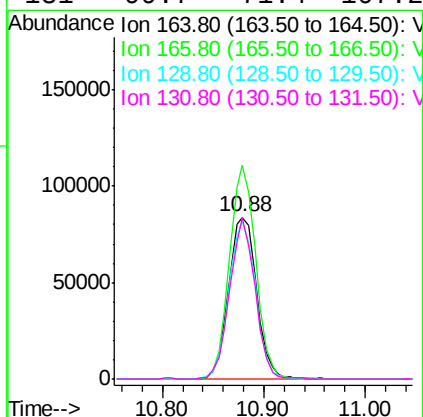
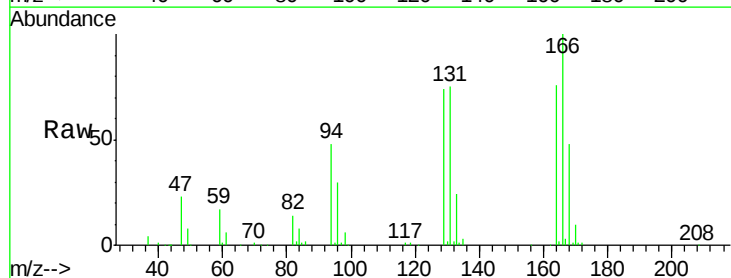
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

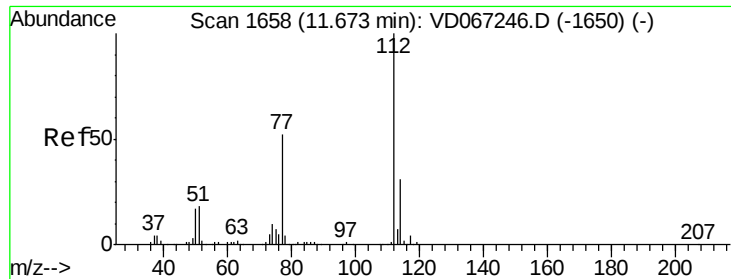
Tot Ion:117 Resp: 450076
Ion Ratio Lower Upper
117 100
82 50.7 39.9 59.9
119 31.7 24.9 37.3



#64
Tetrachloroethene
Concen: 49.299 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion:164 Resp: 160760
Ion Ratio Lower Upper
164 100
166 132.4 107.3 160.9
129 97.4 77.3 115.9
131 99.7 71.4 107.2

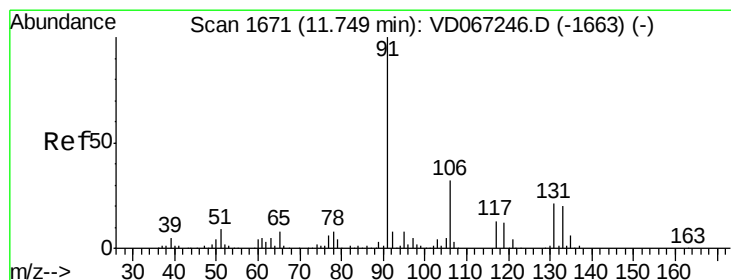
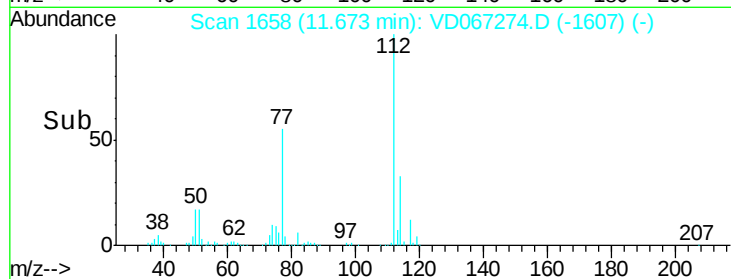
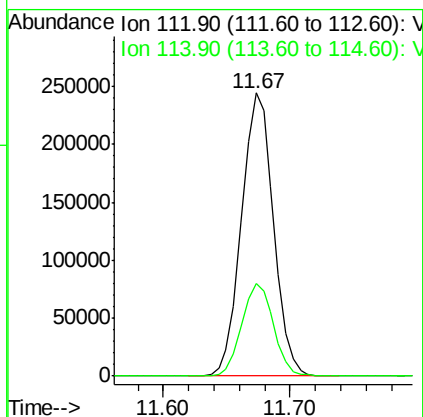
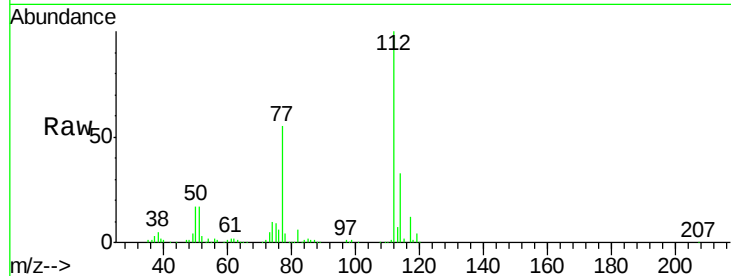




#65
Chlorobenzene
Concen: 49.645 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

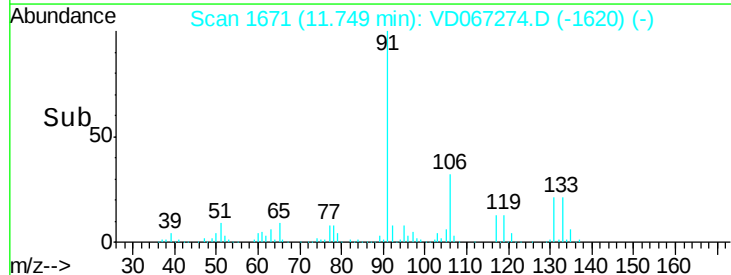
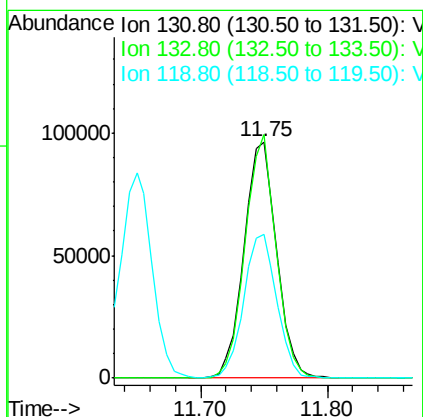
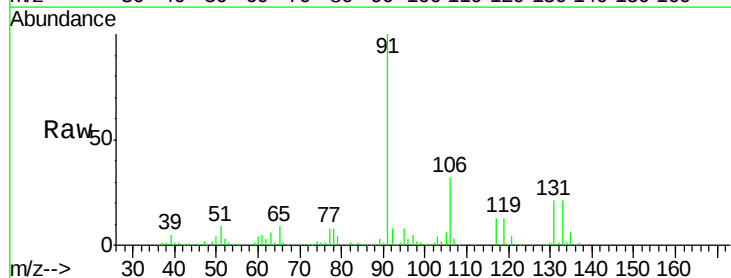
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

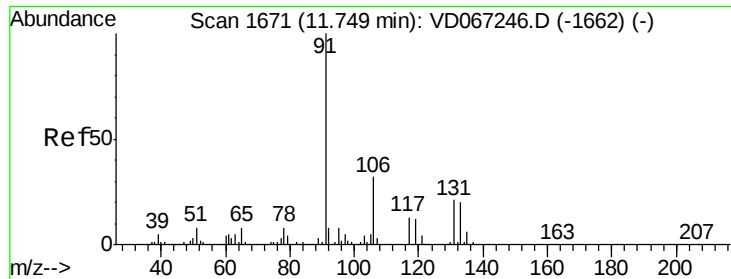
Tot Ion:112 Resp: 428475
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.472 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion:131 Resp: 173132
Ion Ratio Lower Upper
131 100
133 97.5 48.1 144.3
119 61.4 30.0 90.0

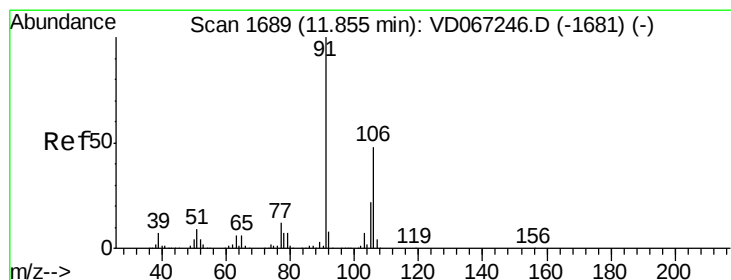
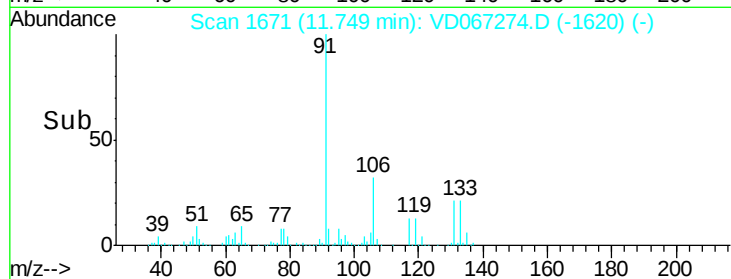
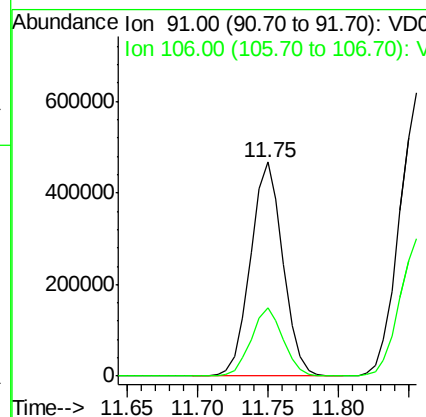
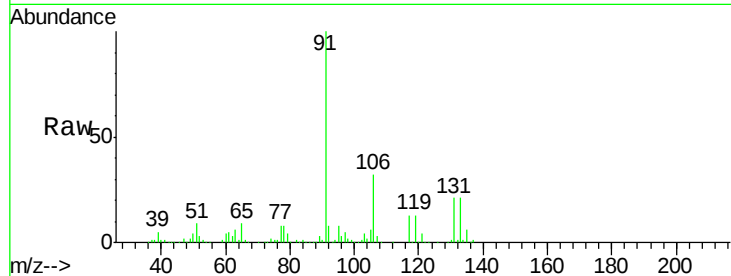




#67
Ethyl Benzene
Concen: 50.972 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

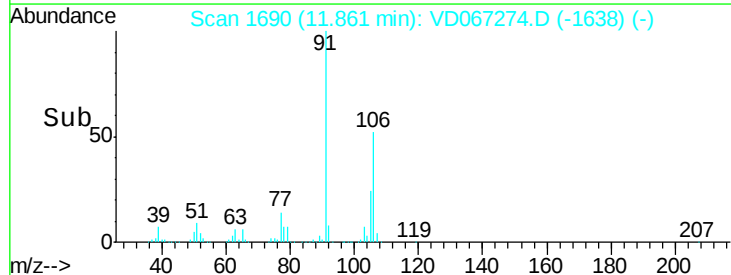
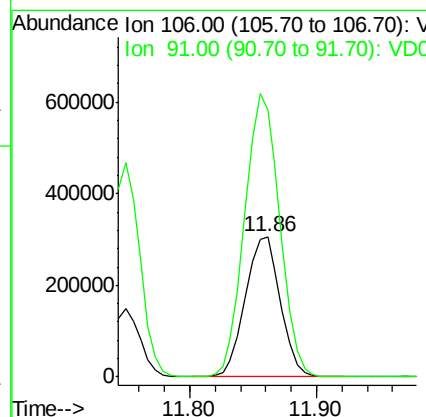
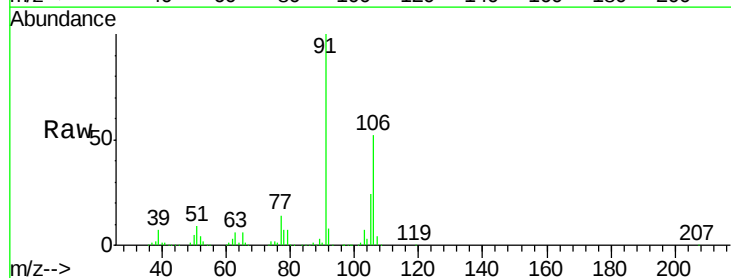
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

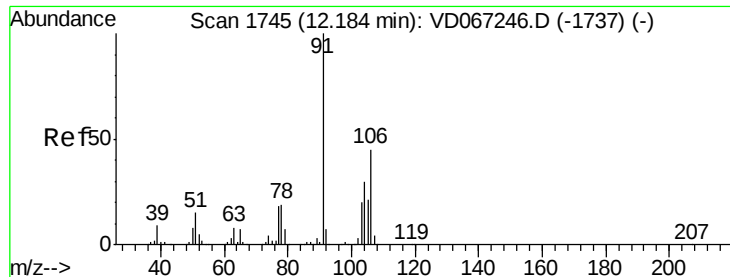
Tot Ion: 91 Resp: 754113
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0



#68
m/p-Xylenes
Concen: 102.778 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 106 Resp: 585549
Ion Ratio Lower Upper
106 100
91 203.2 163.8 245.8

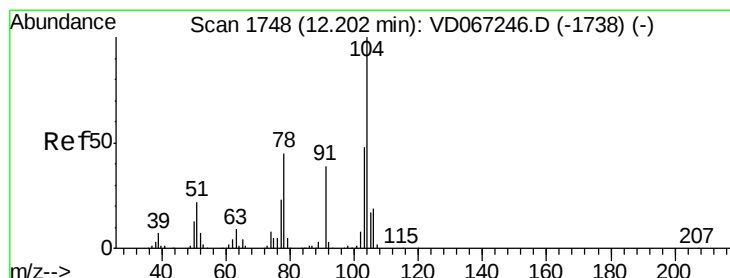
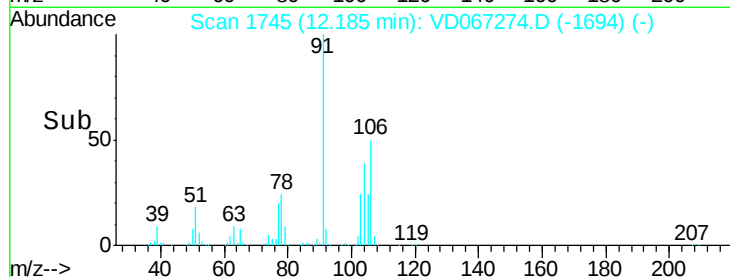
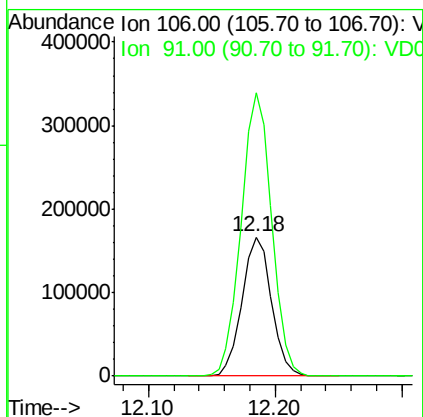
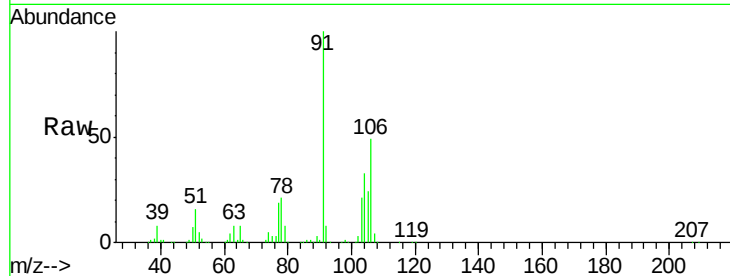




#69
o-Xylene
Concen: 50.980 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

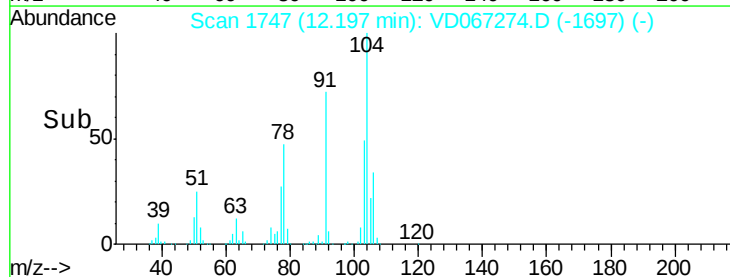
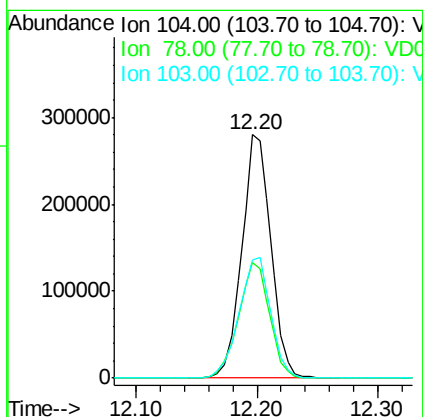
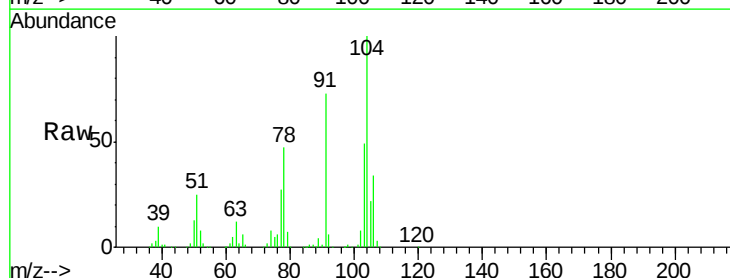
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

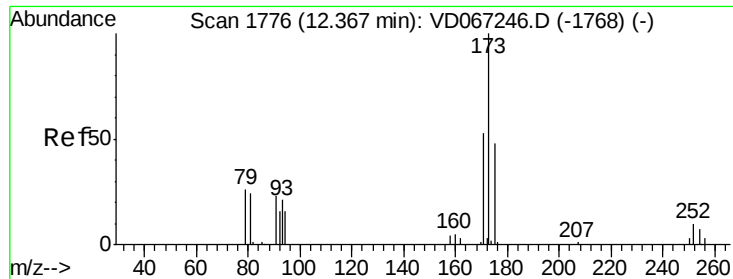
Tot Ion:106 Resp: 268954
Ion Ratio Lower Upper
106 100
91 210.4 109.1 327.3



#70
Styrene
Concen: 51.821 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion:104 Resp: 470621
Ion Ratio Lower Upper
104 100
78 50.6 39.8 59.6
103 53.8 42.6 64.0

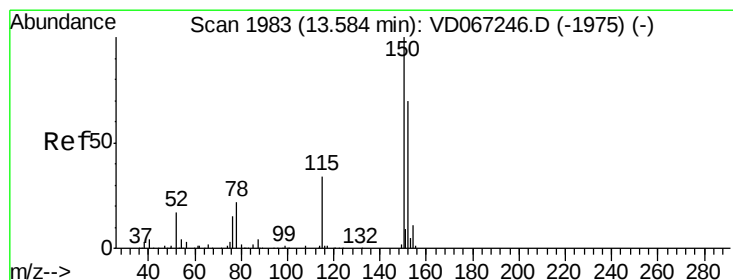
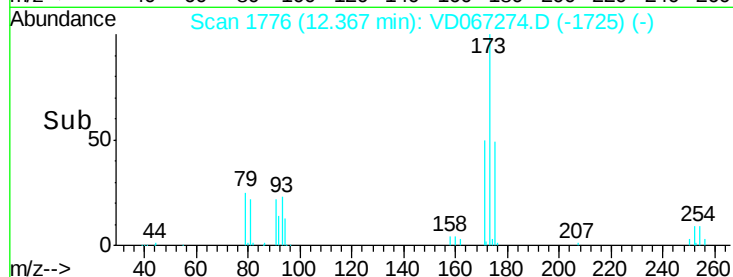
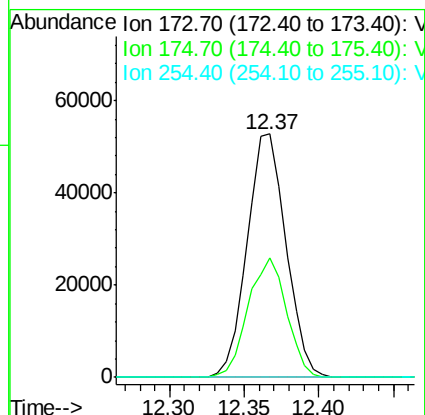
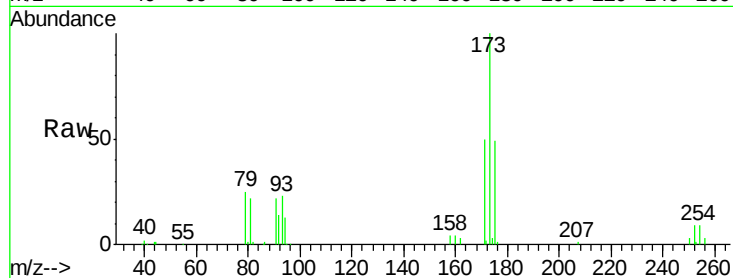




#71
Bromoform
Concen: 51.517 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

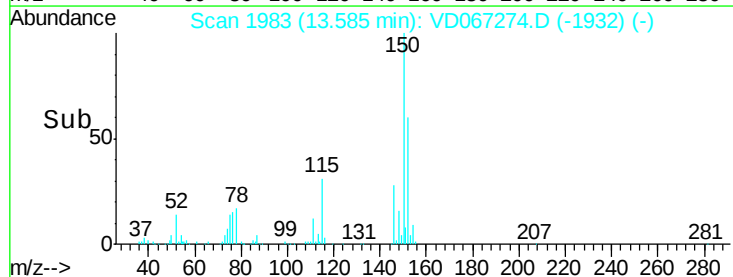
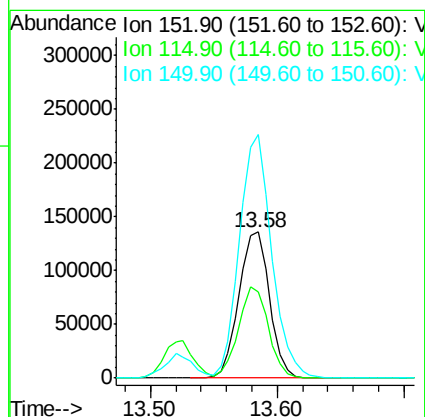
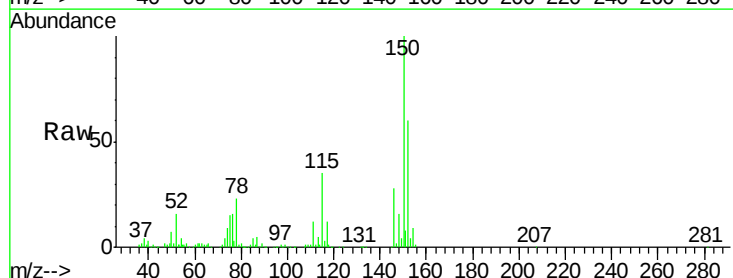
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

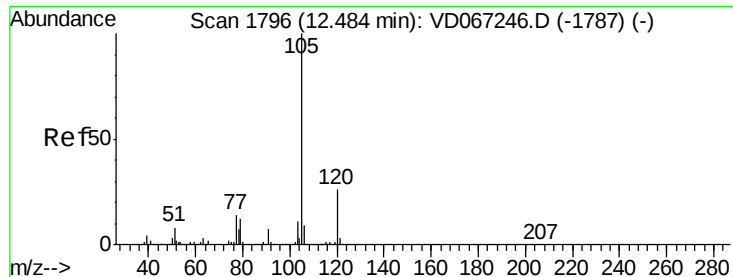
Tot Ion:173 Resp: 94935
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion:152 Resp: 227131
Ion Ratio Lower Upper
152 100
115 60.9 29.3 87.9
150 175.6 0.0 339.0





#73

Isopropylbenzene

Concen: 53.283 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

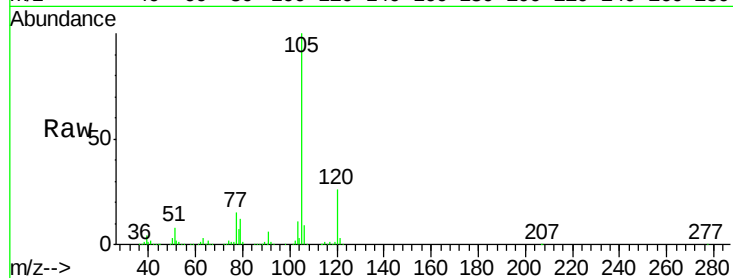
VSTDCCC050

Tot Ion:105 Resp: 768092

Ion Ratio Lower Upper

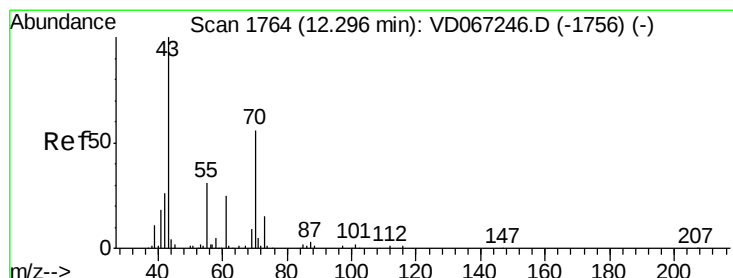
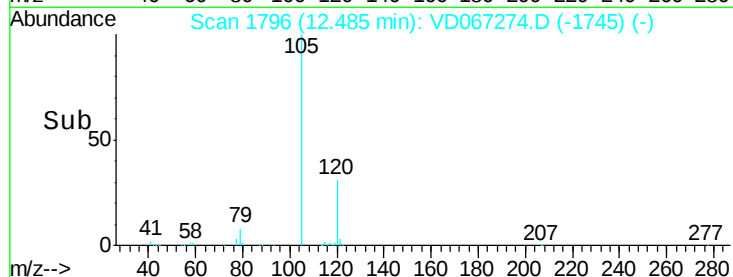
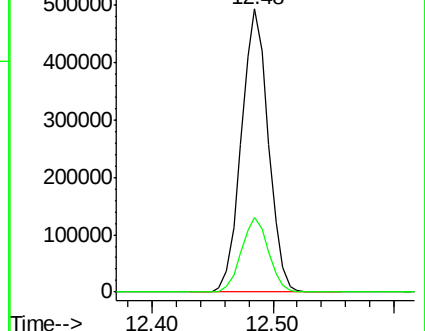
105 100

120 26.5 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: 50.720 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Tgt Ion: 43 Resp: 110426

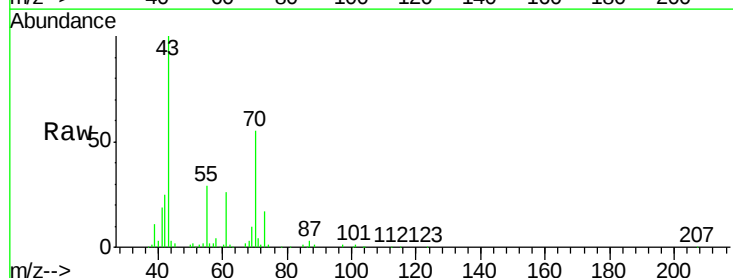
Ion Ratio Lower Upper

43 100

70 53.4 42.7 64.1

55 29.3 24.0 36.0

61 29.1 22.2 33.4

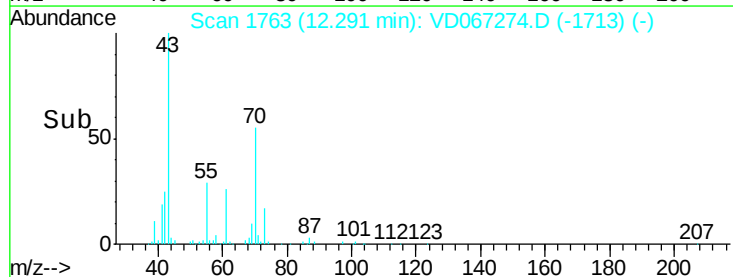
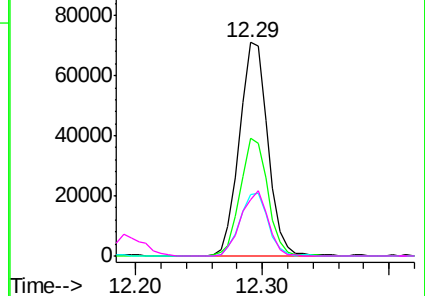


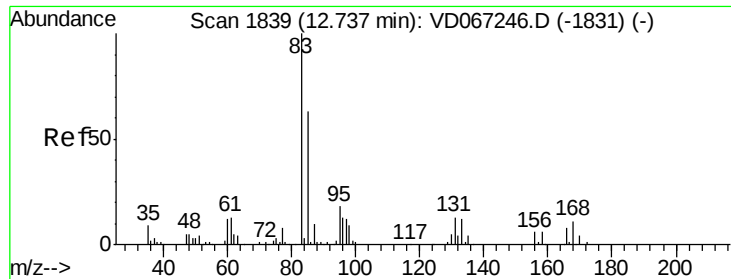
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.631 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

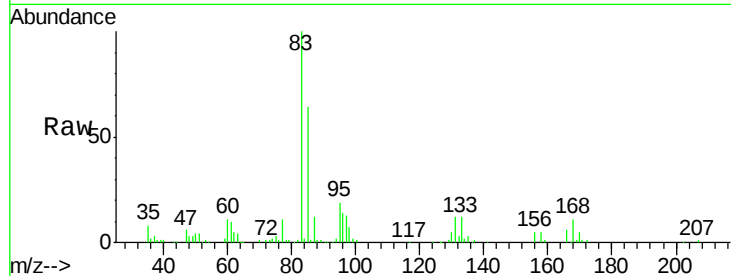
Tot Ion: 83 Resp: 111831

Ion Ratio Lower Upper

83 100

131 13.9 6.5 19.5

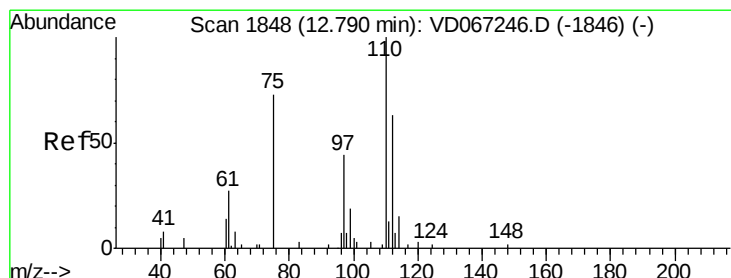
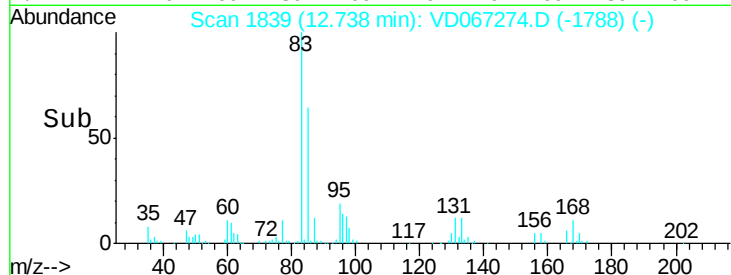
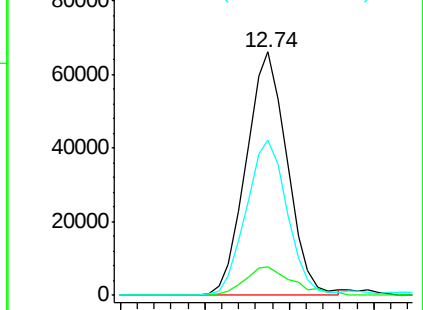
85 63.8 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 54.336 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067274.D

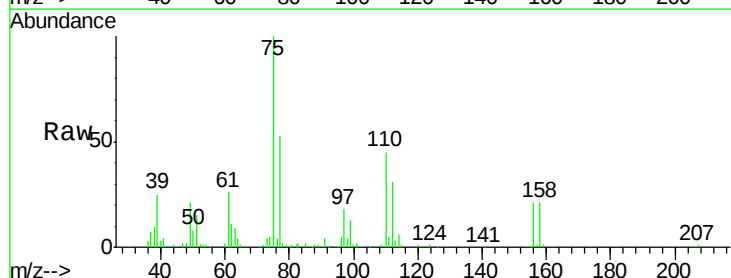
Acq: 15 Oct 2020 10:44

Tgt Ion: 75 Resp: 85537

Ion Ratio Lower Upper

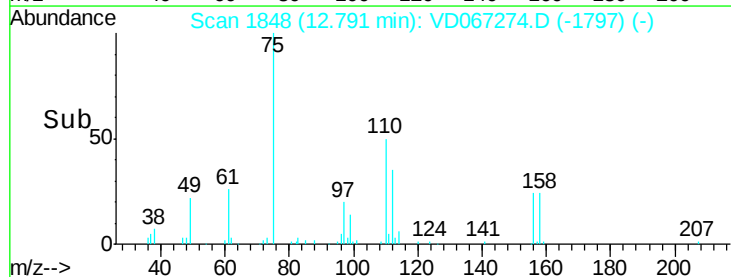
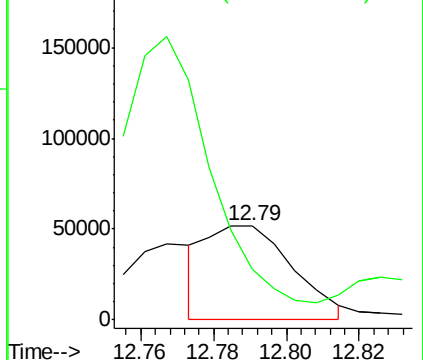
75 100

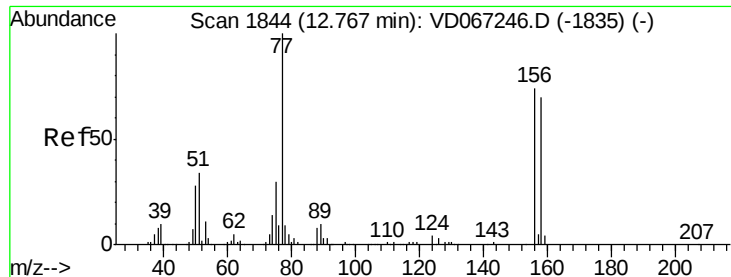
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.481 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

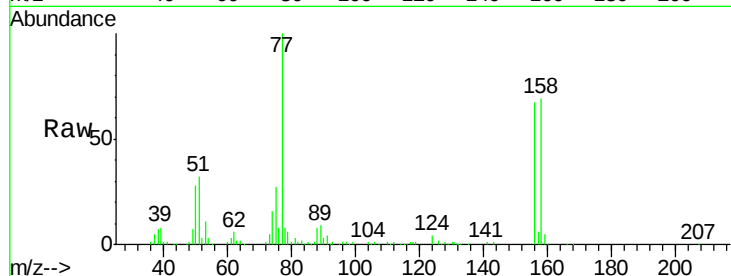
Tot Ion:156 Resp: 177829

Ion Ratio Lower Upper

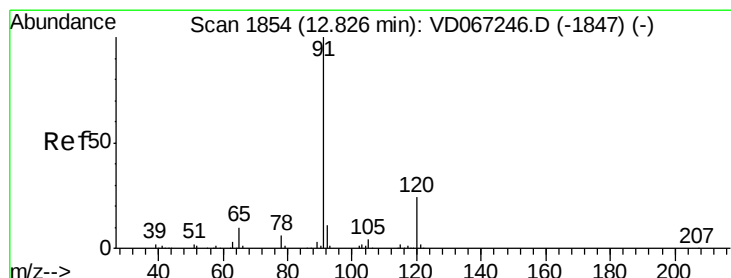
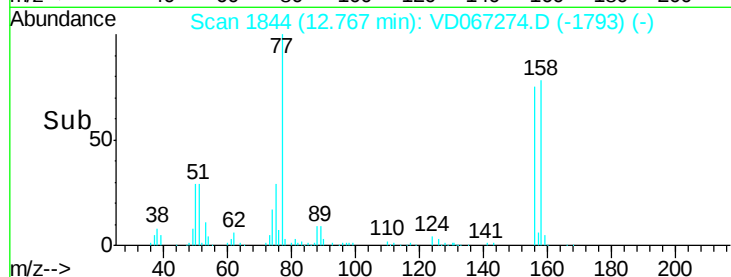
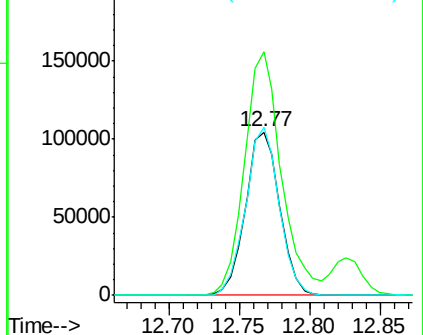
156 100

77 161.9 78.0 233.8

158 100.8 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.160 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067274.D

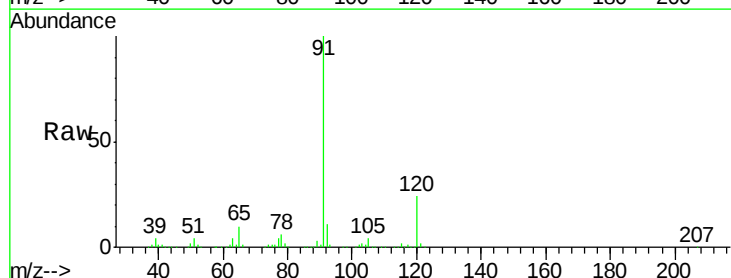
Acq: 15 Oct 2020 10:44

Tgt Ion: 91 Resp: 871176

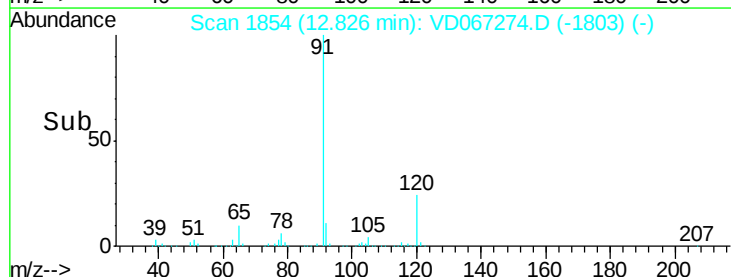
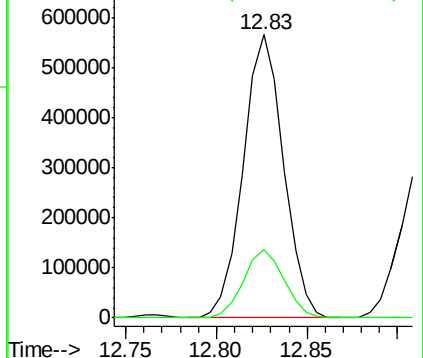
Ion Ratio Lower Upper

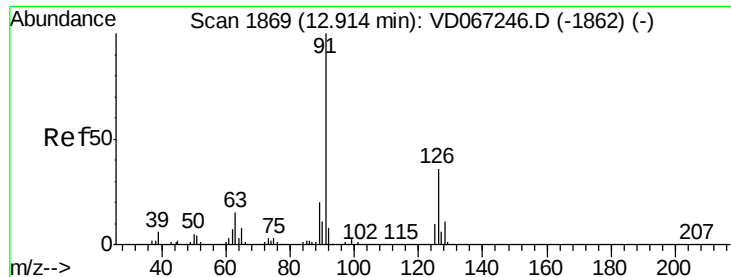
91 100

120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.583 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

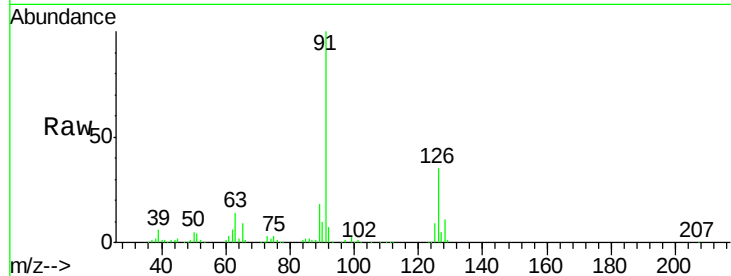
VSTDCCC050

Tot Ion: 91 Resp: 499619

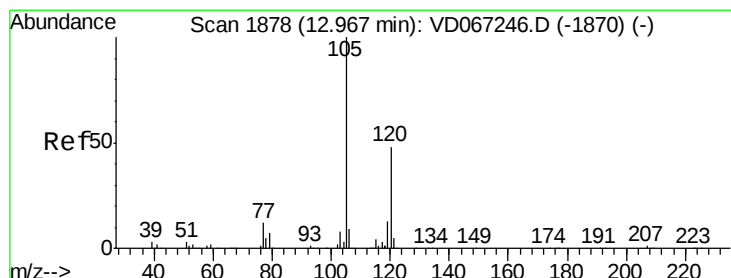
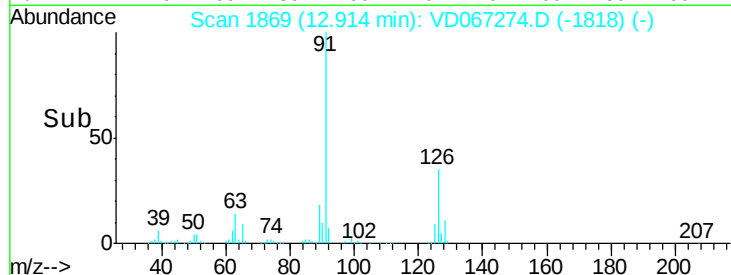
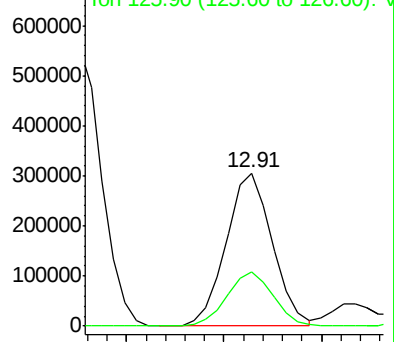
Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067274.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.486 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067274.D

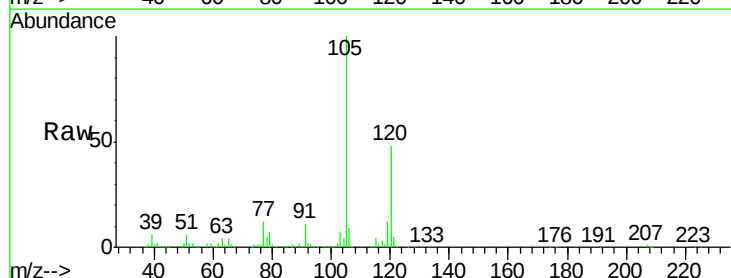
Acq: 15 Oct 2020 10:44

Tgt Ion: 105 Resp: 657480

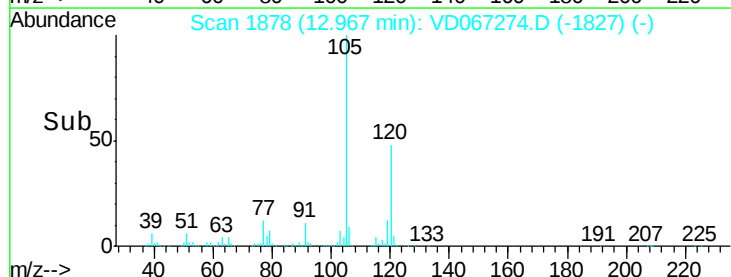
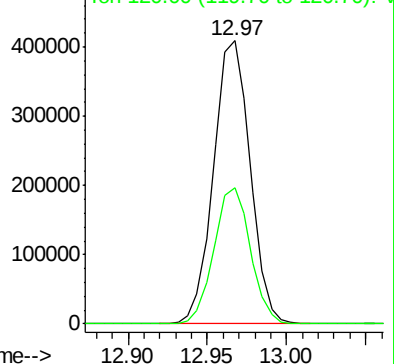
Ion Ratio Lower Upper

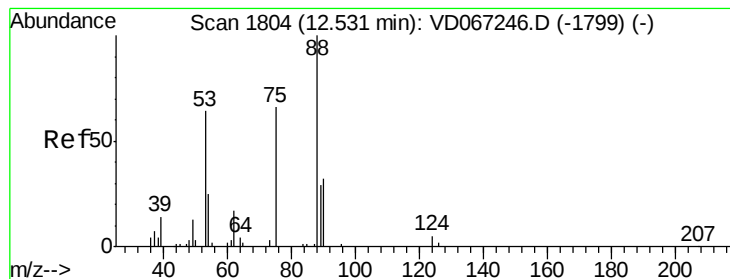
105 100

120 47.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067274.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.346 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067274.D

Acq: 15 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

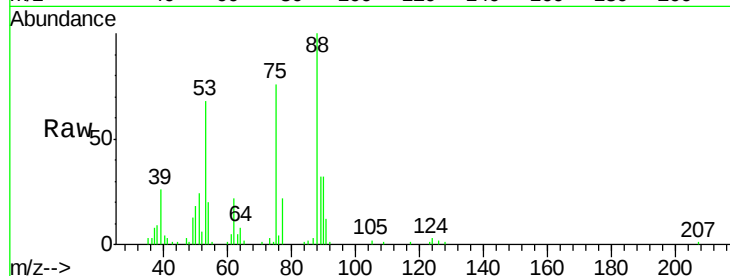
Tot Ion: 75 Resp: 35644

Ion Ratio Lower Upper

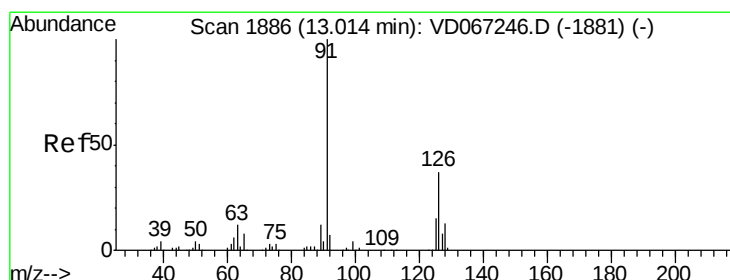
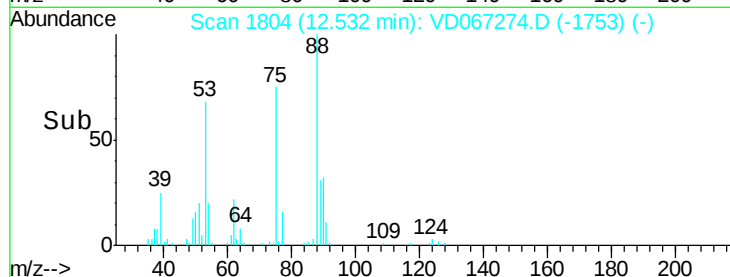
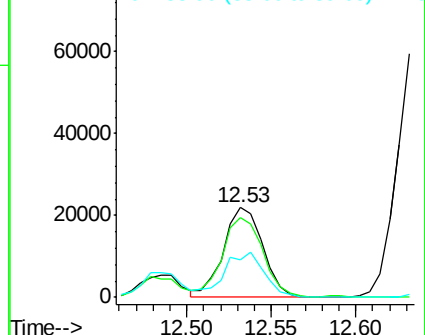
75 100

53 91.9 78.5 117.7

89 49.6 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.232 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067274.D

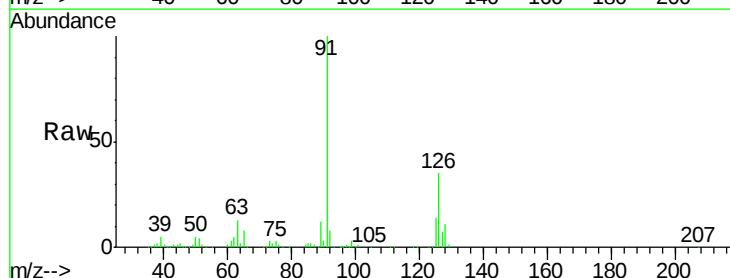
Acq: 15 Oct 2020 10:44

Tgt Ion: 91 Resp: 526666

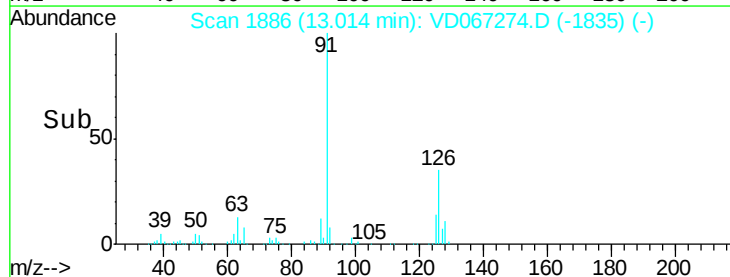
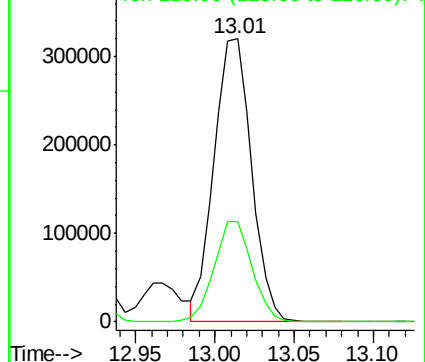
Ion Ratio Lower Upper

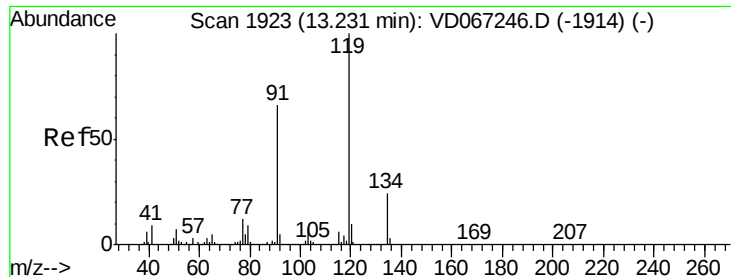
91 100

126 35.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

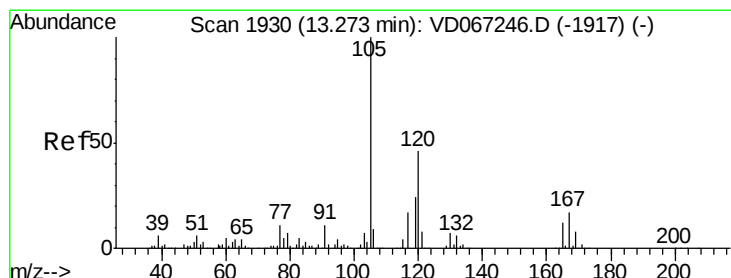
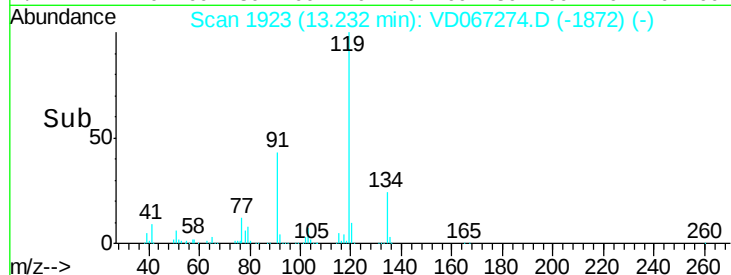
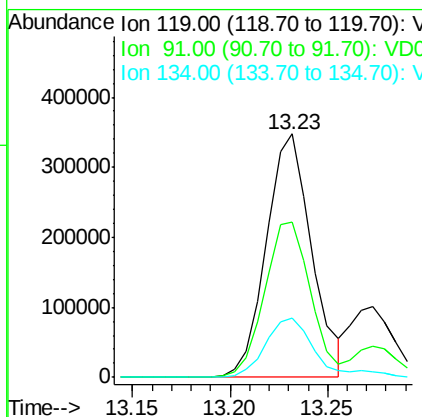
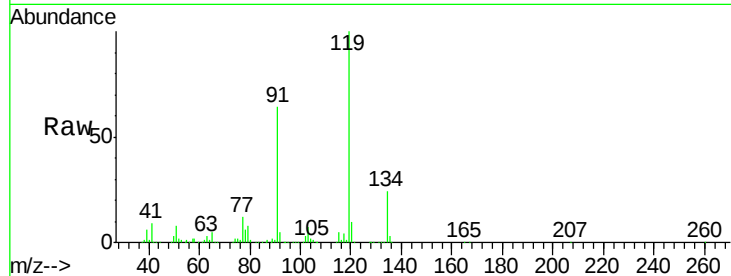




#83
tert-Butylbenzene
Concen: 53.017 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

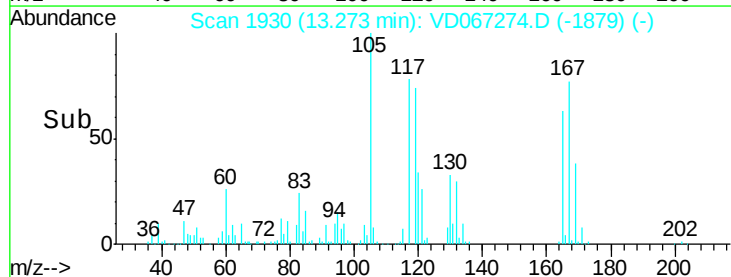
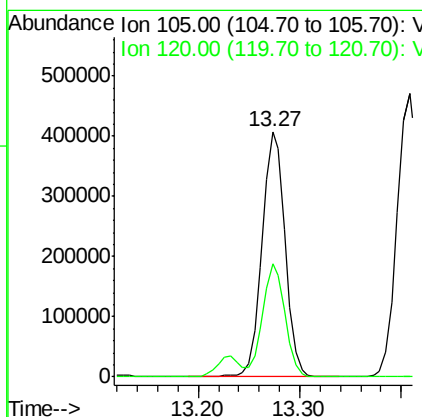
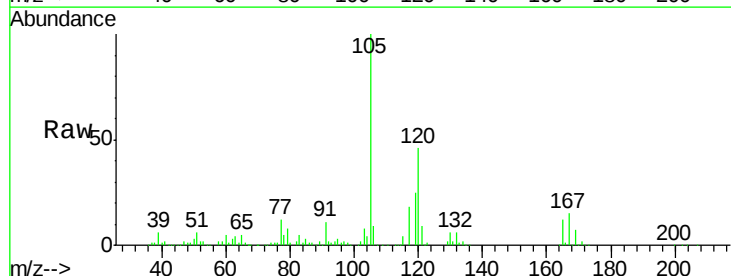
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

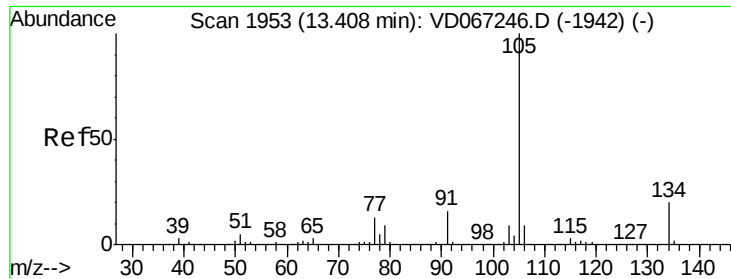
Tot Ion:119 Resp: 561001
Ion Ratio Lower Upper
119 100
91 64.5 33.1 99.2
134 26.8 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 52.392 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion:105 Resp: 648667
Ion Ratio Lower Upper
105 100
120 44.1 22.4 67.3

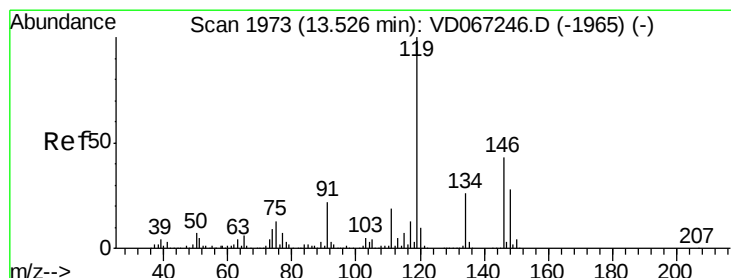
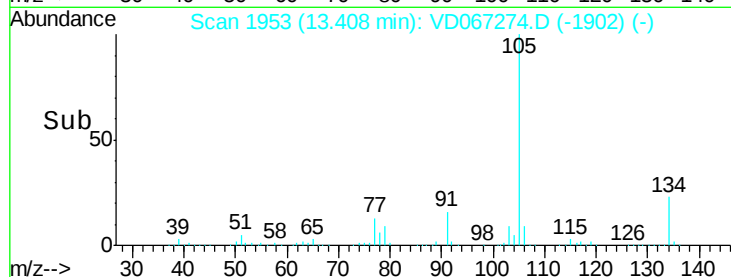
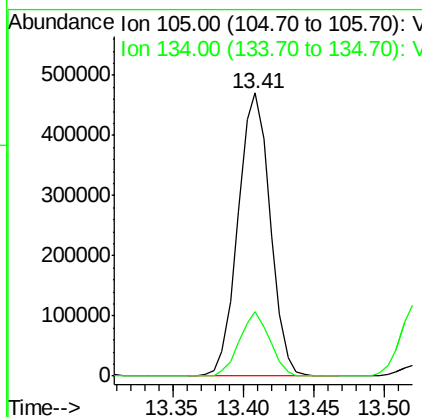
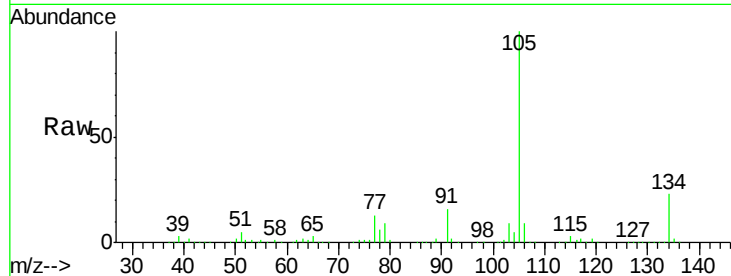




#85
 sec-Butylbenzene
 Concen: 51.580 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

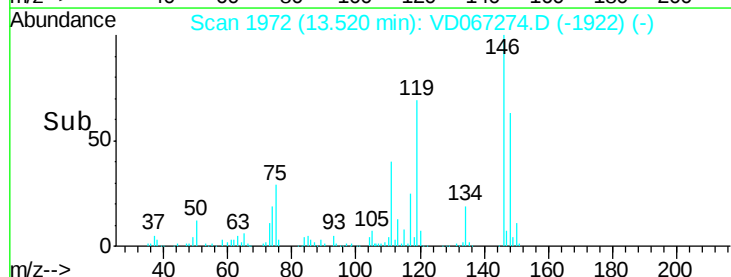
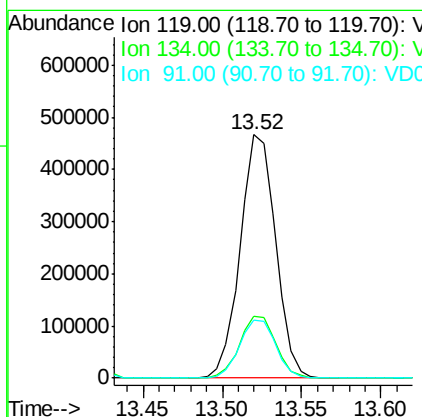
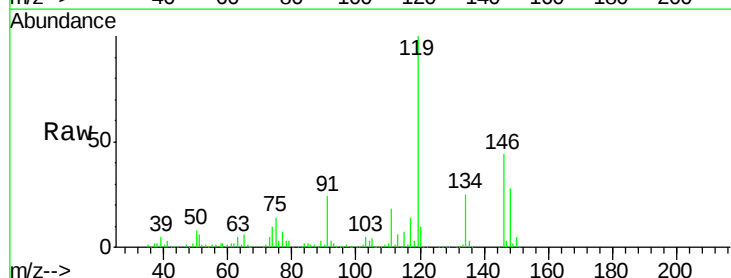
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

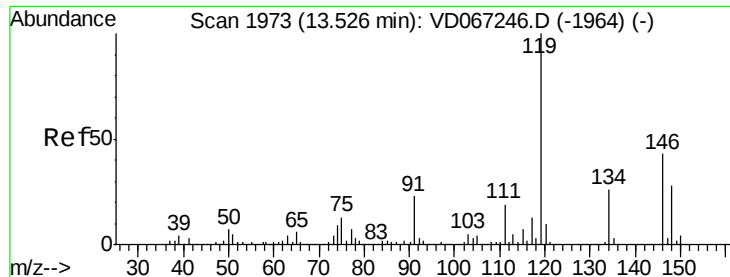
Tot Ion:105 Resp: 748911
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 52.754 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

Tgt Ion:119 Resp: 722969
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 24.2 11.9 35.9

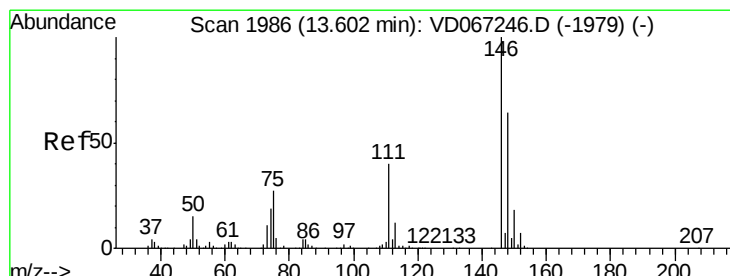
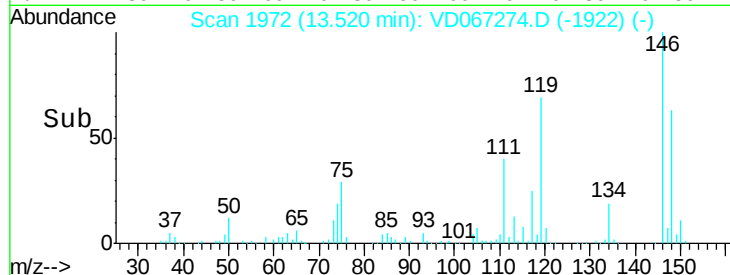
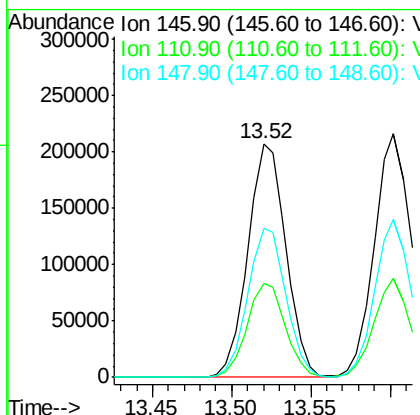
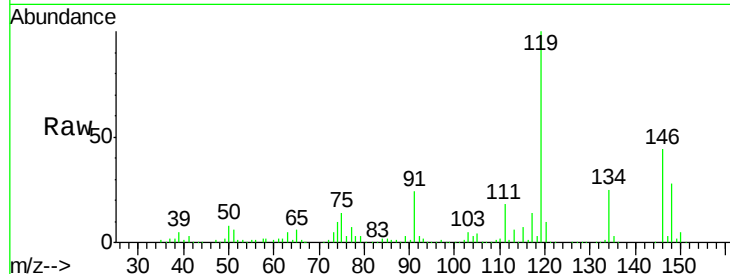




#87
 1,3-Dichlorobenzene
 Concen: 50.068 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

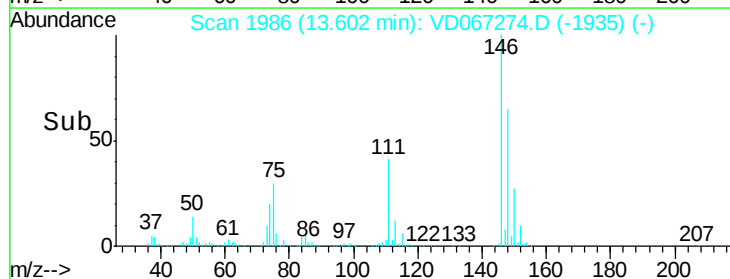
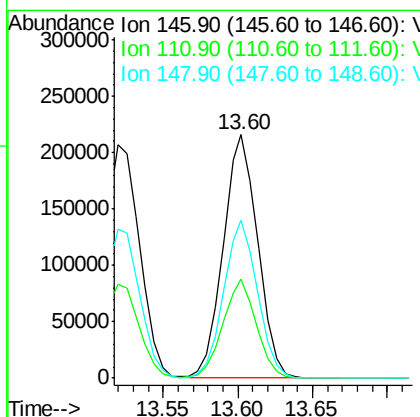
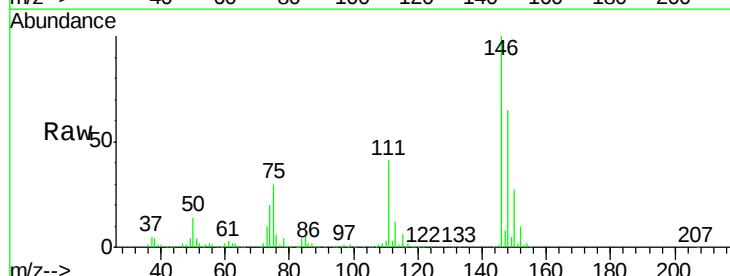
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

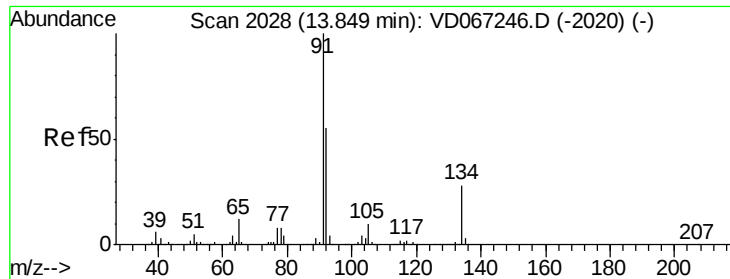
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.3
148	64.0	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.815 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.6	31.9	95.9

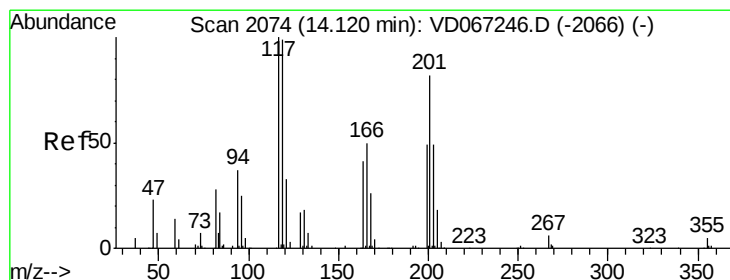
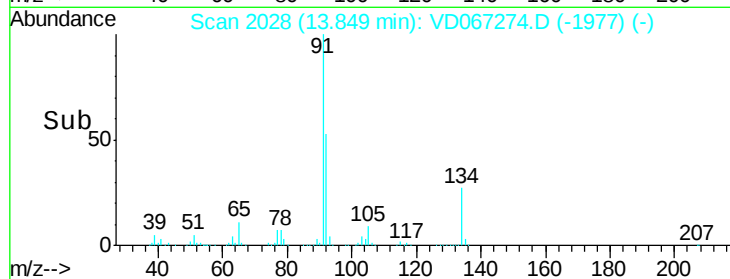
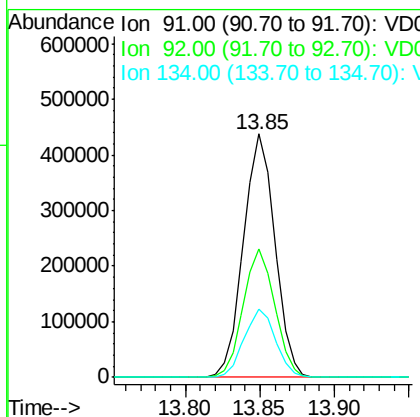
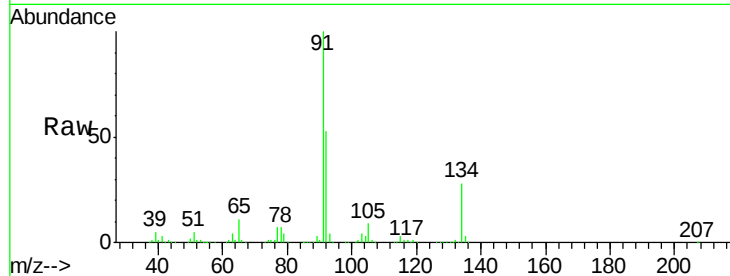




#89
n-Butylbenzene
Concen: 52.977 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

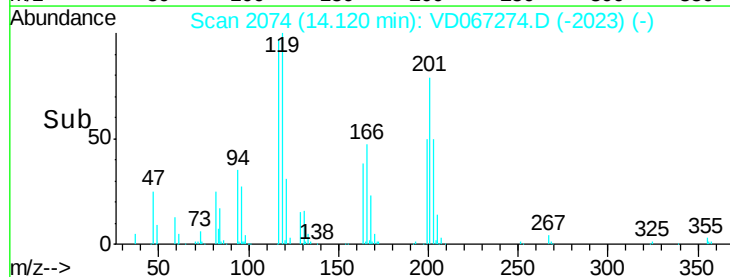
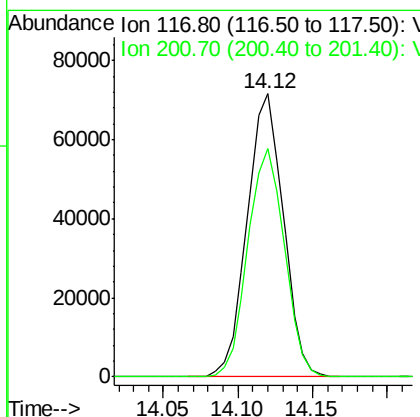
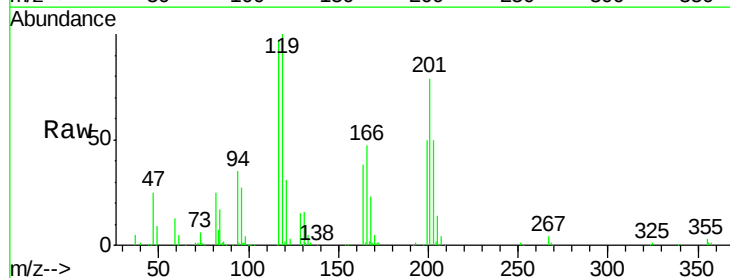
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

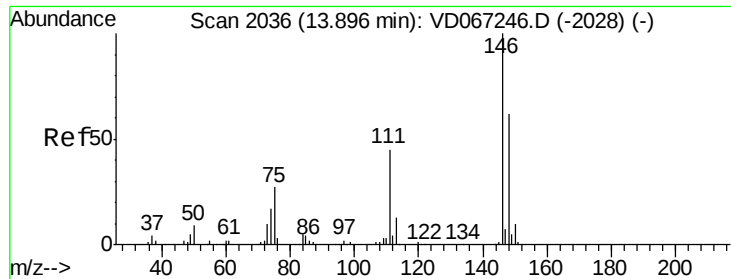
Tot Ion: 91 Resp: 638708
Ion Ratio Lower Upper
91 100
92 53.0 26.7 80.0
134 27.9 14.2 42.6



#90
Hexachloroethane
Concen: 50.309 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion: 117 Resp: 120313
Ion Ratio Lower Upper
117 100
201 81.5 40.8 122.2

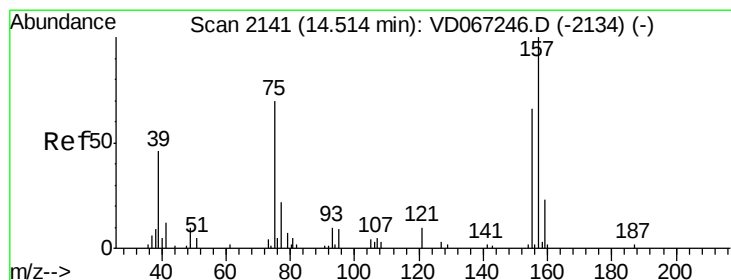
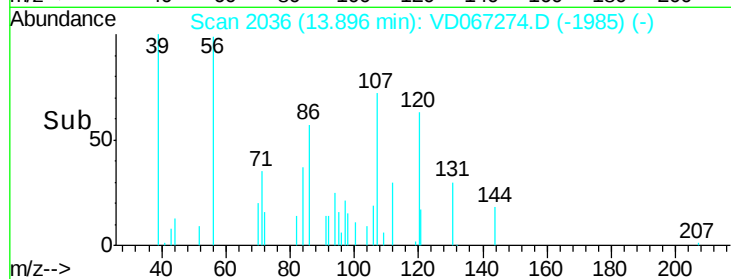
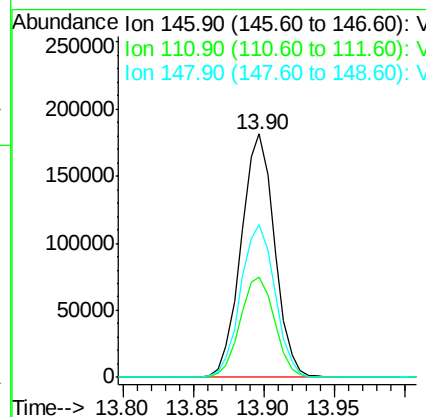
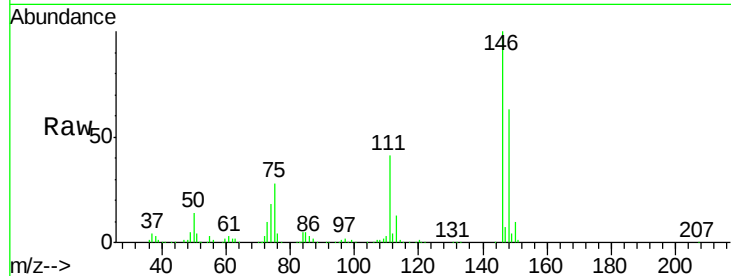




#91
 1,2-Dichlorobenzene
 Concen: 49.854 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

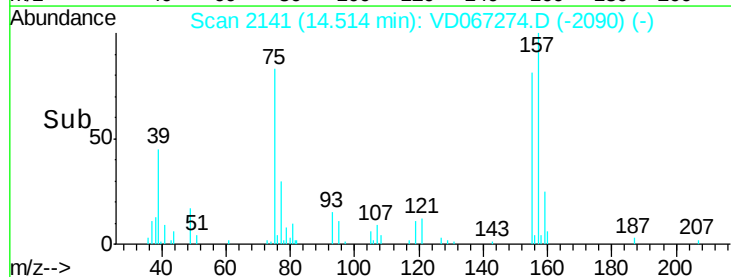
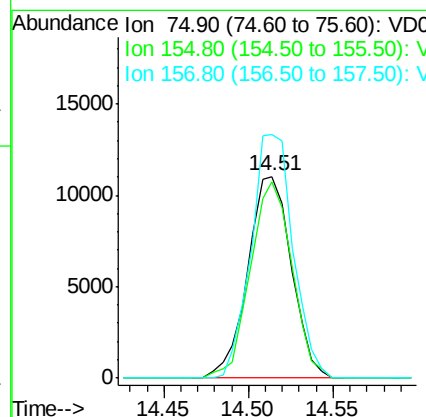
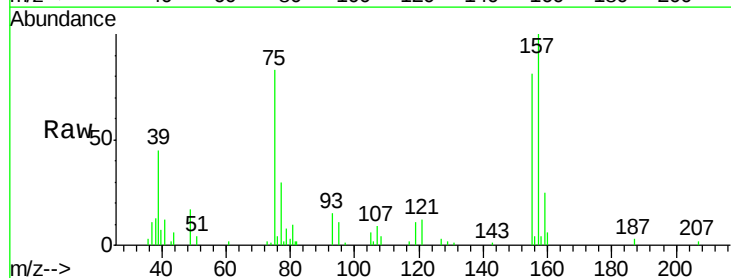
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

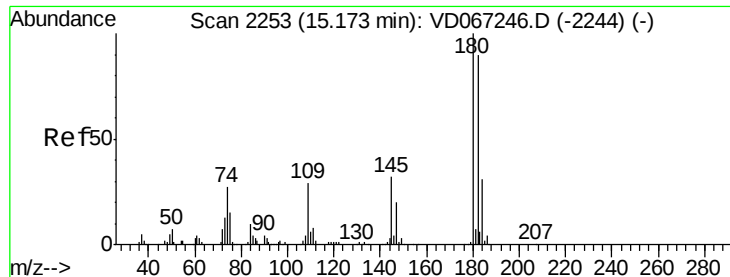
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.0	66.0
148	64.6	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.486 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	44.8	134.4
157	117.2	62.5	187.4

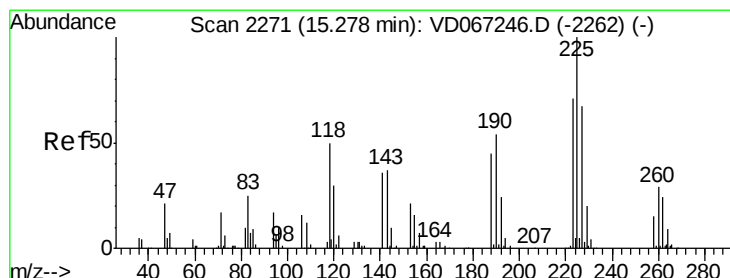
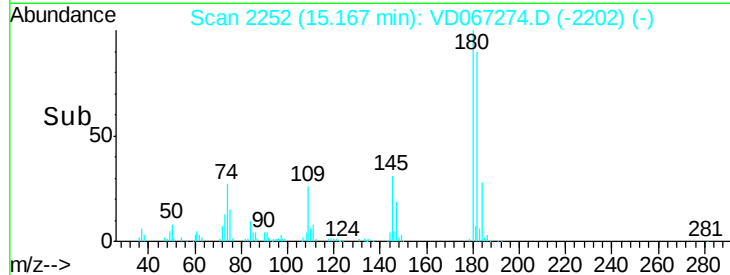
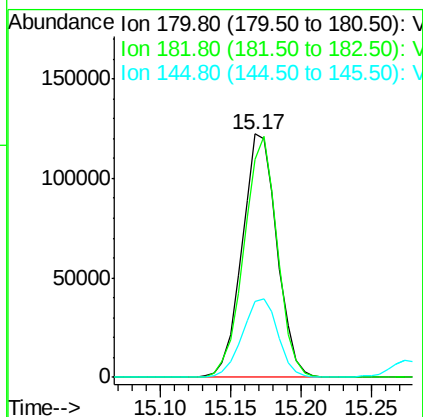
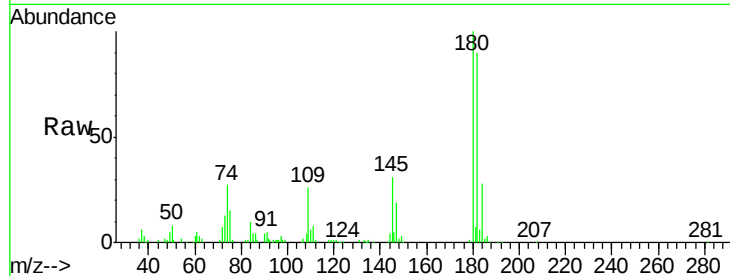




#93
 1,2,4-Trichlorobenzene
 Concen: 52.016 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

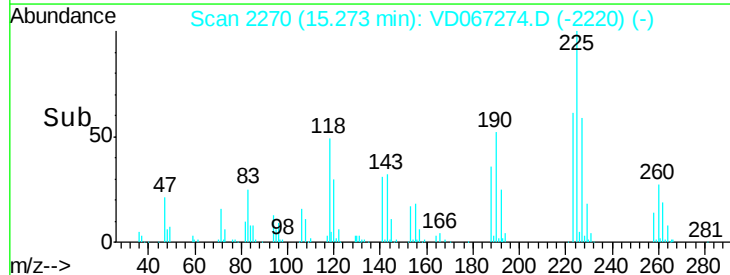
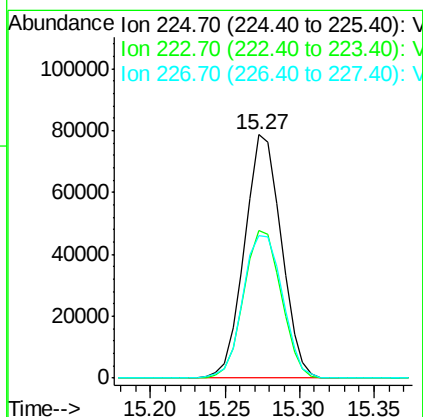
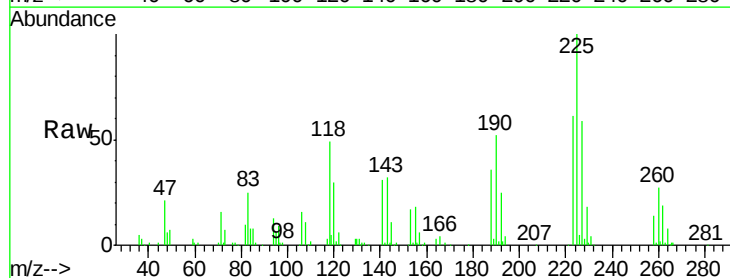
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

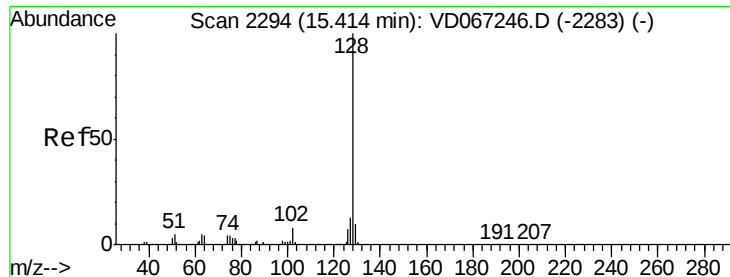
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.4
145	32.9	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 53.041 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067274.D
 Acq: 15 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.7
227	63.4	31.2	93.6

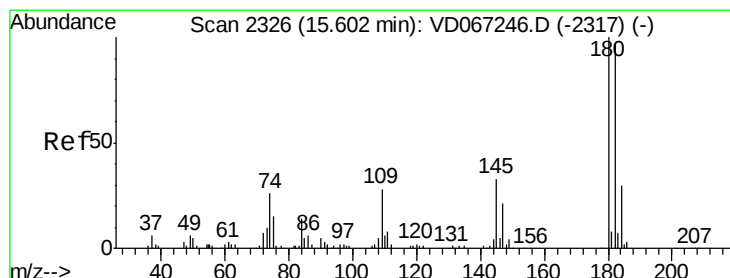
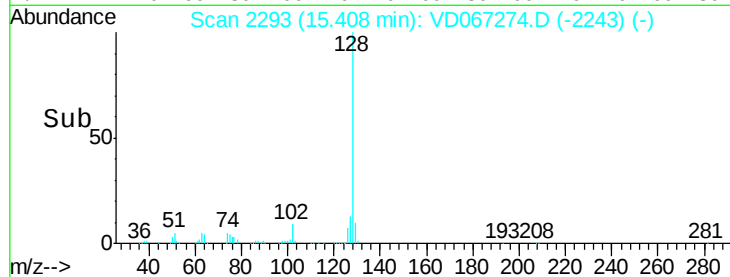
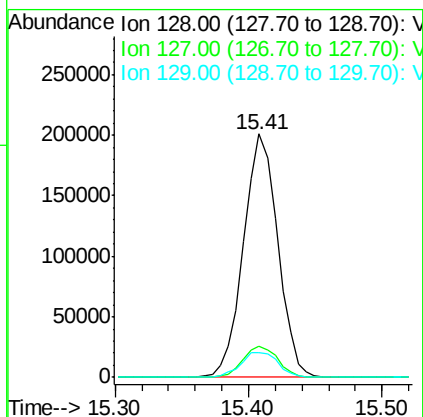
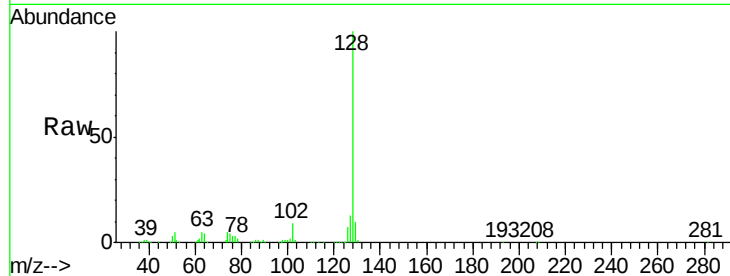




#95
Naphthalene
Concen: 53.356 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 356918
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.684 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067274.D
Acq: 15 Oct 2020 10:44

Tgt Ion:180 Resp: 185439
Ion Ratio Lower Upper
180 100
182 97.2 48.1 144.3
145 34.4 17.3 51.9

