

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067509.D
 Acq On : 04 Nov 2020 09:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 05 00:32:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	466268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208276	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	126431	45.08	ug/l	0.00
Spiked Amount						
			Recovery	=	90.16%	
35) Dibromofluoromethane	7.92	113	133424	47.49	ug/l	0.00
Spiked Amount						
			Recovery	=	94.98%	
50) Toluene-d8	10.34	98	469411	47.55	ug/l	0.00
Spiked Amount						
			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.64	95	162733	47.74	ug/l	0.00
Spiked Amount						
			Recovery	=	95.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	135245	52.302	ug/l	97
3) Chloromethane	2.21	50	94119	47.124	ug/l	99
4) Vinyl Chloride	2.36	62	107309	48.190	ug/l	97
5) Bromomethane	2.78	94	89041	49.334	ug/l	94
6) Chloroethane	2.93	64	68347	49.785	ug/l	99
7) Trichlorofluoromethane	3.28	101	276653	47.983	ug/l	97
8) Diethyl Ether	3.71	74	53054	45.666	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	143696	49.374	ug/l	99
10) Methyl Iodide	4.30	142	150771	48.335	ug/l	99
11) Tert butyl alcohol	5.22	59	29682	245.212	ug/l	96
12) 1,1-Dichloroethene	4.07	96	131021	48.943	ug/l	94
13) Acrolein	3.92	56	30692	246.956	ug/l	92
14) Allyl chloride	4.71	41	141972	49.553	ug/l	98
15) Acrylonitrile	5.41	53	98794	230.043	ug/l	98
16) Acetone	4.16	43	114811	273.572	ug/l	94
17) Carbon Disulfide	4.41	76	392939	47.901	ug/l	99
18) Methyl Acetate	4.72	43	36299	41.856	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	251902	47.705	ug/l	93
20) Methylene Chloride	4.97	84	138134	46.596	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	150301	48.204	ug/l	97
22) Diisopropyl ether	6.36	45	279585	50.076	ug/l	99
23) Vinyl Acetate	6.31	43	743581	254.429	ug/l	99
24) 1,1-Dichloroethane	6.27	63	222055	48.615	ug/l	98
25) 2-Butanone	7.21	43	104582	233.217	ug/l	98
26) 2,2-Dichloropropane	7.21	77	239168	49.614	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	160550	49.608	ug/l	99
28) Bromochloromethane	7.56	49	81547	50.192	ug/l	100
29) Tetrahydrofuran	7.56	42	63216	235.342	ug/l	98
30) Chloroform	7.71	83	270094	49.566	ug/l	98
31) Cyclohexane	7.99	56	184410	45.337	ug/l	# 84
32) 1,1,1-Trichloroethane	7.91	97	270846	48.173	ug/l	98
36) 1,1-Dichloropropene	8.12	75	199444	49.971	ug/l	100
37) Ethyl Acetate	7.30	43	49268	47.547	ug/l	96
38) Carbon Tetrachloride	8.10	117	264277	50.963	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	232251	49.441	ug/l	97
40) Benzene	8.36	78	543089	50.234	ug/l	100
41) Methacrylonitrile	7.53	41	23525	37.982	ug/l	87
42) 1,2-Dichloroethane	8.43	62	159995	47.898	ug/l	98
43) Isopropyl Acetate	8.46	43	99359	48.486	ug/l	98
44) Trichloroethene	9.12	130	173227	48.731	ug/l	94
45) 1,2-Dichloropropane	9.39	63	116172	49.700	ug/l	96
46) Dibromomethane	9.48	93	72419	48.727	ug/l	98
47) Bromodichloromethane	9.67	83	201952	49.994	ug/l	94
48) Methyl methacrylate	9.46	41	53533	50.595	ug/l	97
49) 1,4-Dioxane	9.47	88	14324	949.389	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	242037	246.961	ug/l	98
52) Toluene	10.41	92	368473	50.885	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	172492	49.858	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	201849	49.106	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	97423	49.543	ug/l	98
56) Ethyl methacrylate	10.67	69	98066	48.292	ug/l	97
57) 1,3-Dichloropropane	10.95	76	153167	48.404	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	238253	251.596	ug/l	99
59) 2-Hexanone	10.99	43	180383	263.233	ug/l	100
60) Dibromochloromethane	11.14	129	140698	48.368	ug/l	97
61) 1,2-Dibromoethane	11.26	107	93222	47.235	ug/l	98
64) Tetrachloroethene	10.88	164	153107	49.335	ug/l	98
65) Chlorobenzene	11.68	112	402692	49.888	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	157128	49.390	ug/l	98
67) Ethyl Benzene	11.75	91	713314	51.642	ug/l	98
68) m/p-Xylenes	11.86	106	546882	101.770	ug/l	99
69) o-Xylene	12.18	106	247150	51.513	ug/l	99
70) Styrene	12.20	104	429279	51.348	ug/l	99
71) Bromoform	12.37	173	78101	48.135	ug/l #	98
73) Isopropylbenzene	12.48	105	693918	51.552	ug/l	100
74) N-amyl acetate	12.29	43	86194	48.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	88283	48.098	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	125369	99.781	ug/l #	100
77) Bromobenzene	12.77	156	167312	50.613	ug/l	98
78) n-propylbenzene	12.83	91	797000	51.765	ug/l	100
79) 2-Chlorotoluene	12.91	91	455087	52.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	595852	51.819	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28876	46.660	ug/l	96
82) 4-Chlorotoluene	13.01	91	482601	51.450	ug/l	99
83) tert-Butylbenzene	13.23	119	513005	52.642	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	596282	52.096	ug/l	99
85) sec-Butylbenzene	13.41	105	683876	51.984	ug/l	100
86) p-Isopropyltoluene	13.52	119	656611	51.686	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	315924	50.085	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	312142	48.871	ug/l	100
89) n-Butylbenzene	13.85	91	565388	51.525	ug/l	99
90) Hexachloroethane	14.11	117	122816	51.337	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	269046	49.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15614	48.046	ug/l	96

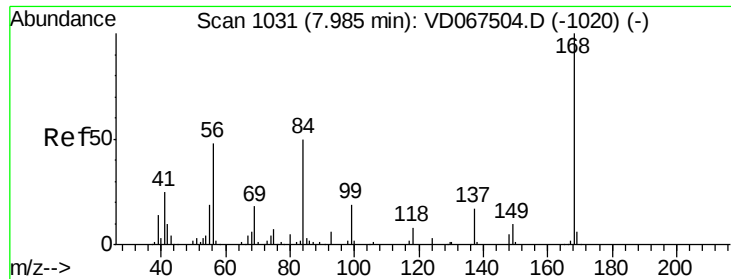
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	184333	49.749	ug/l	100
94) Hexachlorobutadiene	15.27	225	119551	48.210	ug/l	100
95) Naphthalene	15.41	128	278994	48.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	154339	48.642	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

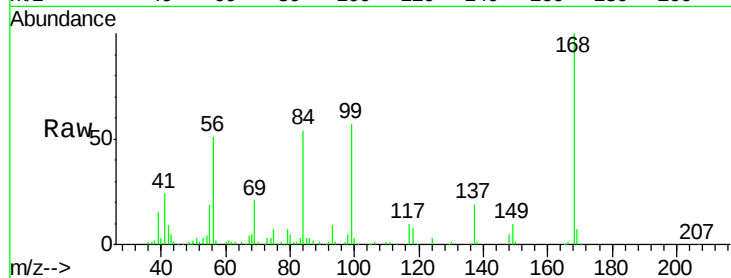
VSTDCCC050

Tot Ion:168 Resp: 320735

Ion Ratio Lower Upper

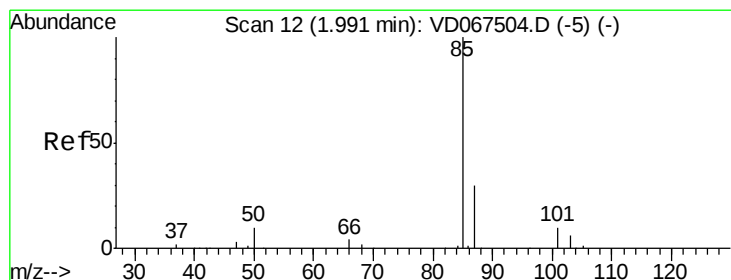
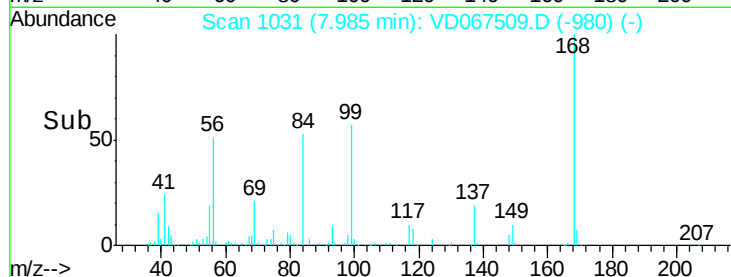
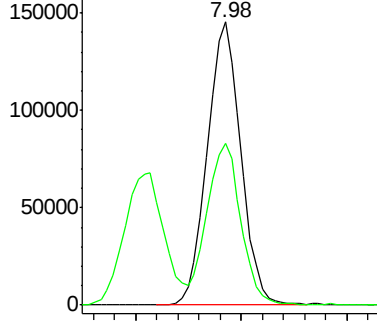
168 100

99 57.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.302 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067509.D

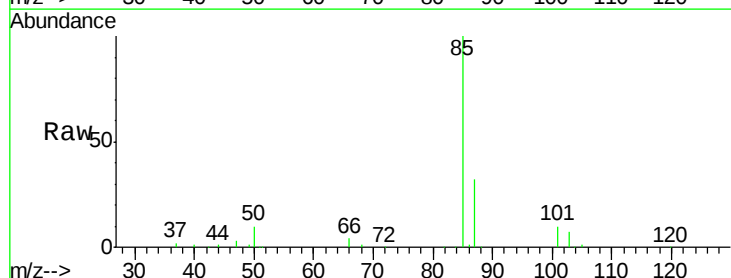
Acq: 04 Nov 2020 09:55

Tgt Ion: 85 Resp: 135245

Ion Ratio Lower Upper

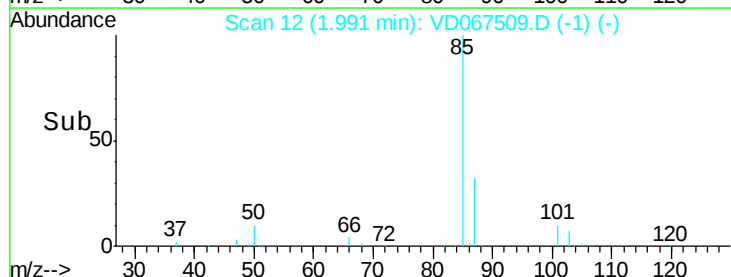
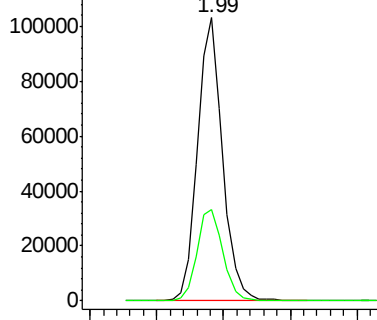
85 100

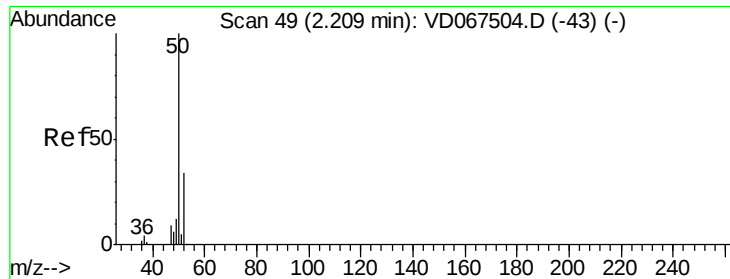
87 32.2 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.124 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

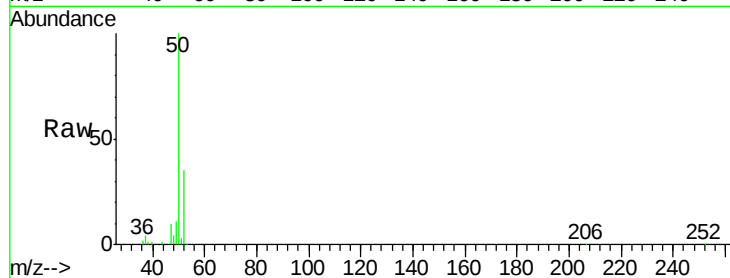
VSTDCCC050

Tot Ion: 50 Resp: 94119

Ion Ratio Lower Upper

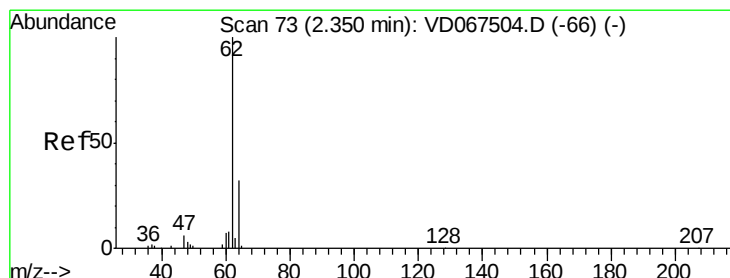
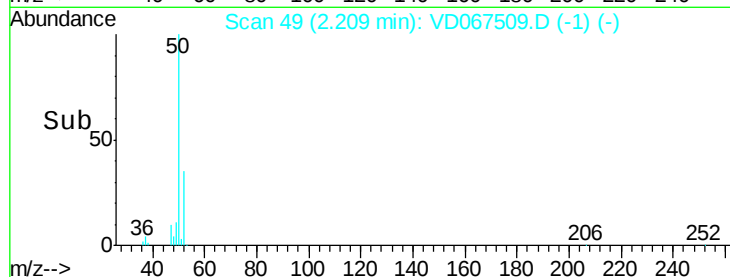
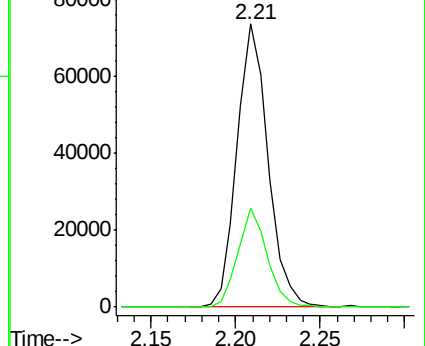
50 100

52 34.9 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.190 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067509.D

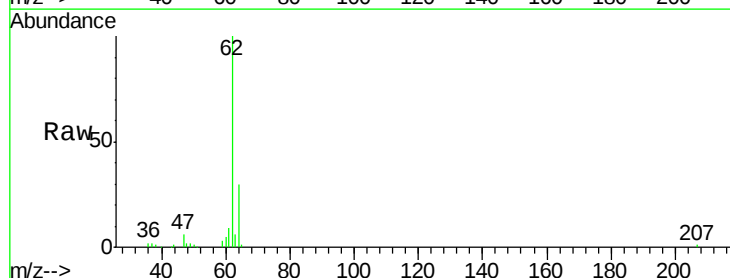
Acq: 04 Nov 2020 09:55

Tgt Ion: 62 Resp: 107309

Ion Ratio Lower Upper

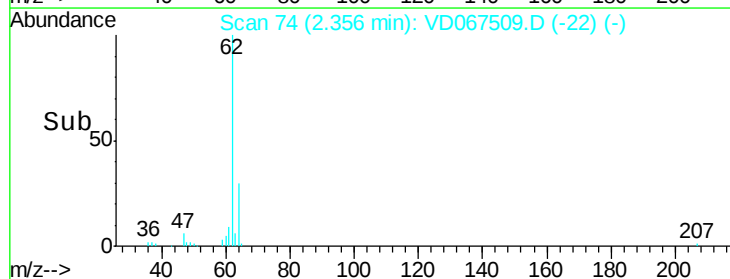
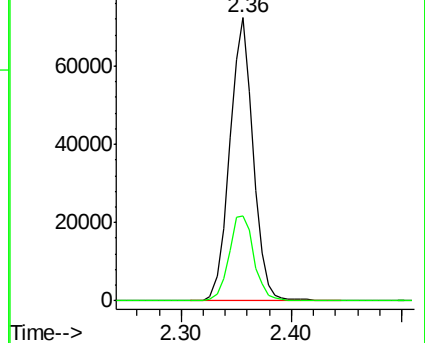
62 100

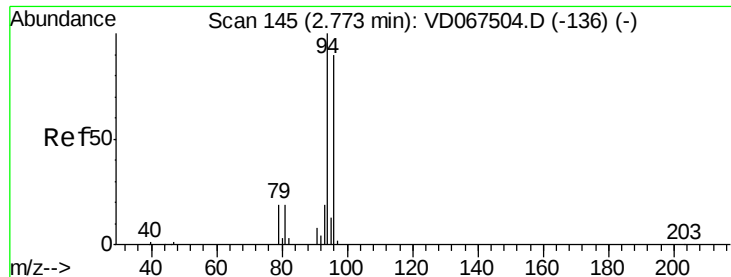
64 30.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.334 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

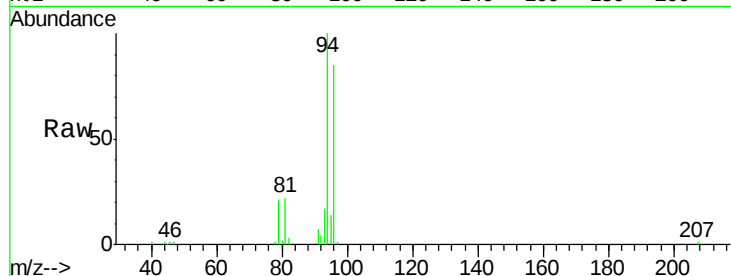
VSTDCCC050

Tot Ion: 94 Resp: 89041

Ion Ratio Lower Upper

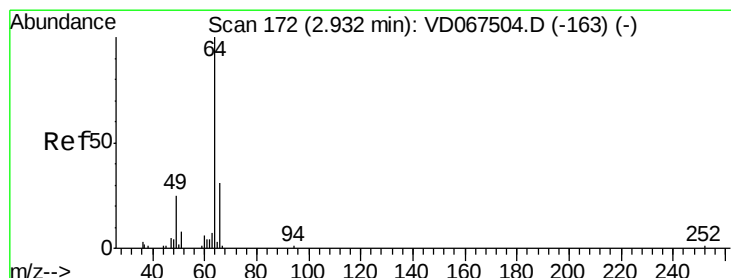
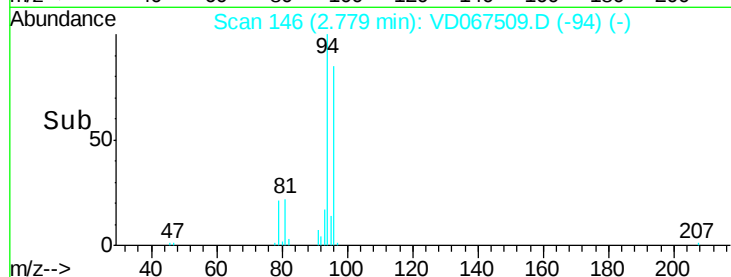
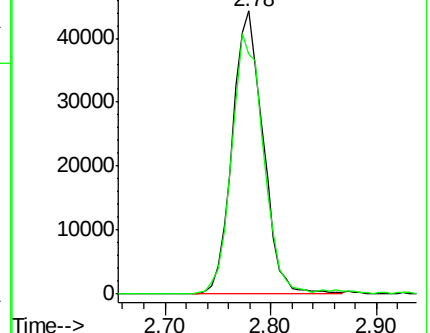
94 100

96 84.6 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.785 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067509.D

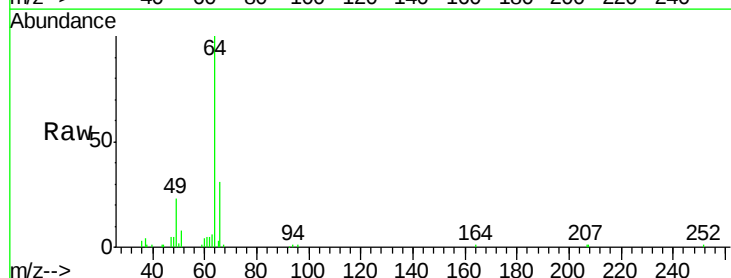
Acq: 04 Nov 2020 09:55

Tgt Ion: 64 Resp: 68347

Ion Ratio Lower Upper

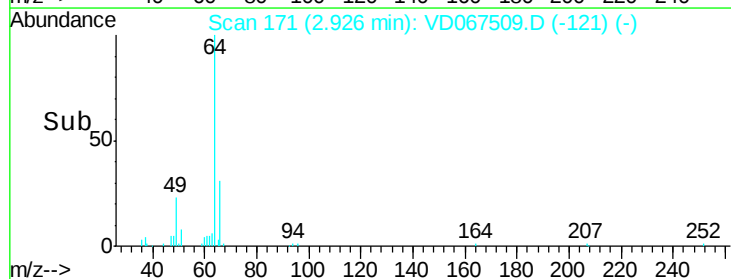
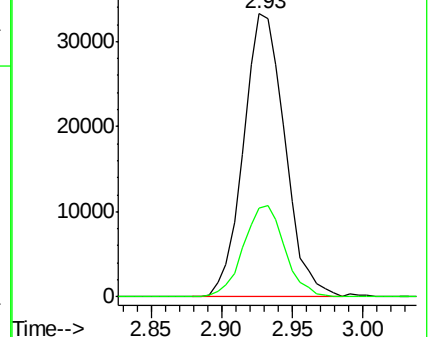
64 100

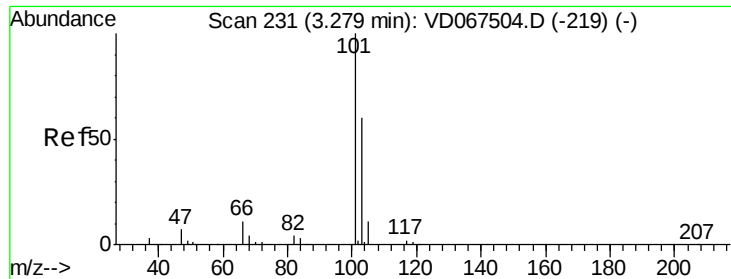
66 31.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



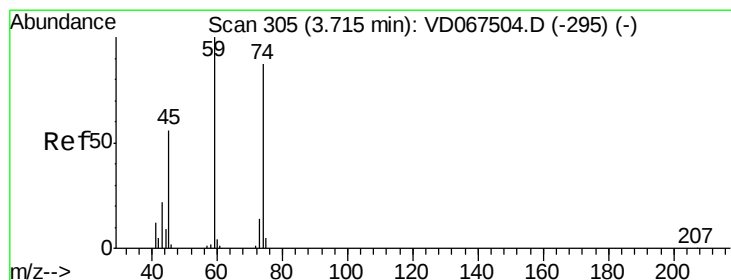
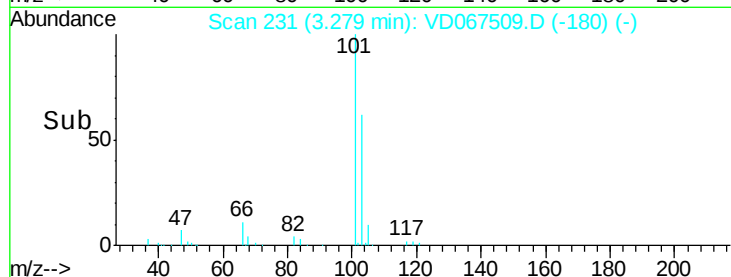
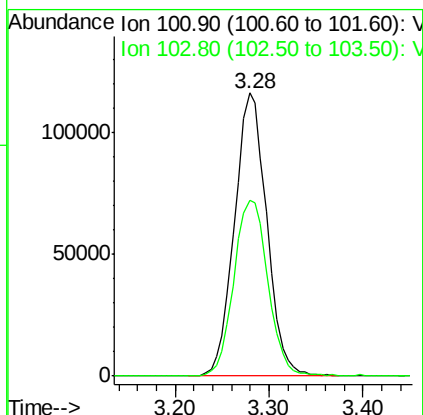
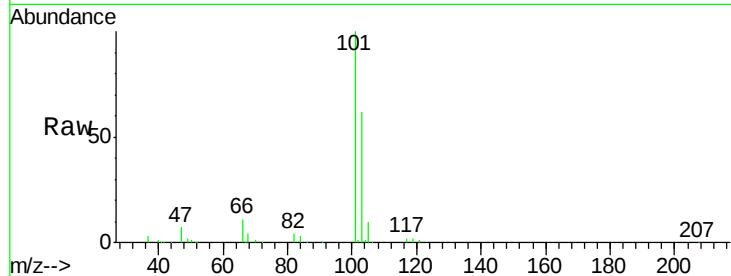


#7

Trichlorofluoromethane
 Concen: 47.983 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
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 VSTDCCC050

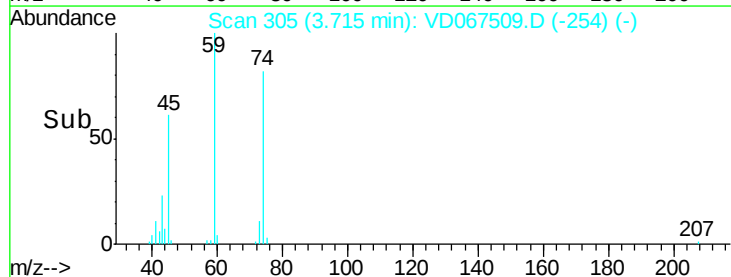
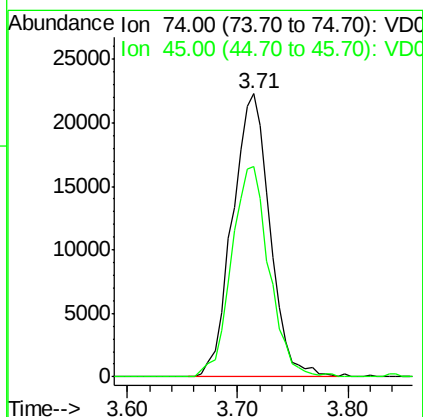
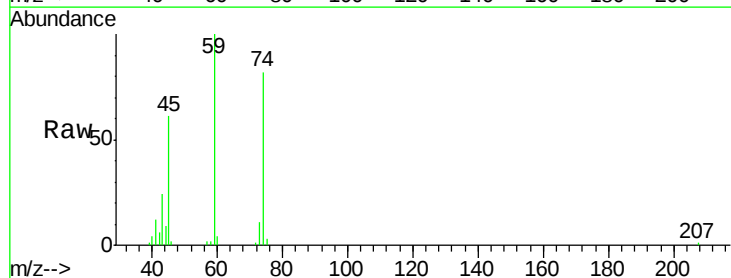
Tot Ion:101 Resp: 276653
 Ion Ratio Lower Upper
 101 100
 103 62.0 48.1 72.1

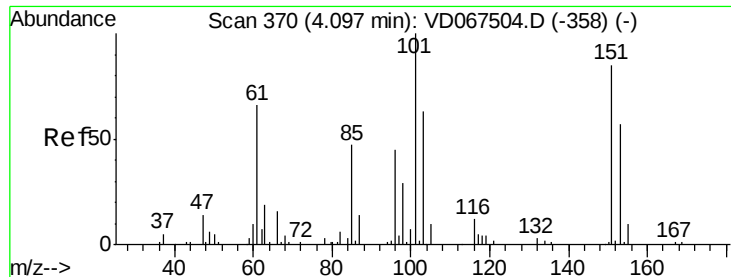


#8

Diethyl Ether
 Concen: 45.666 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion: 74 Resp: 53054
 Ion Ratio Lower Upper
 74 100
 45 74.8 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.374 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

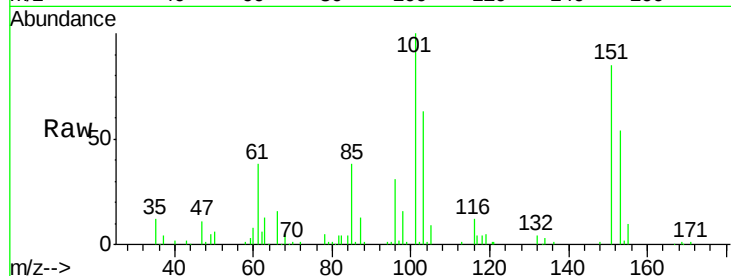
Tot Ion:101 Resp: 143696

Ion Ratio Lower Upper

101 100

85 42.6 34.4 51.6

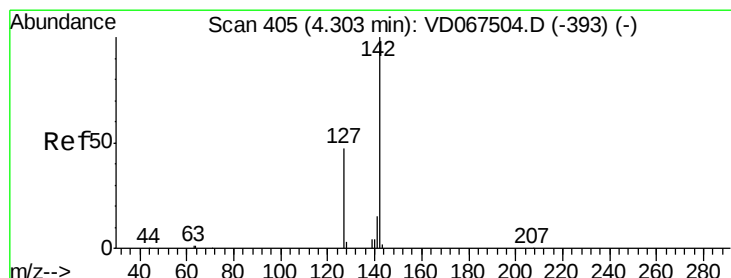
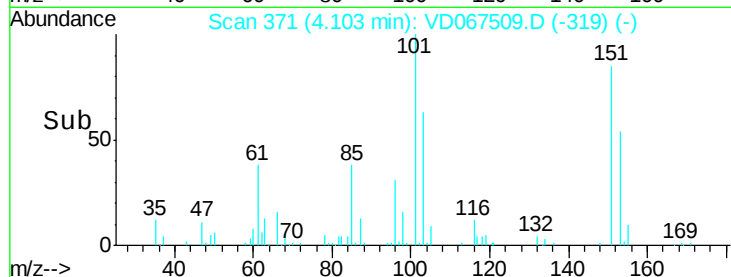
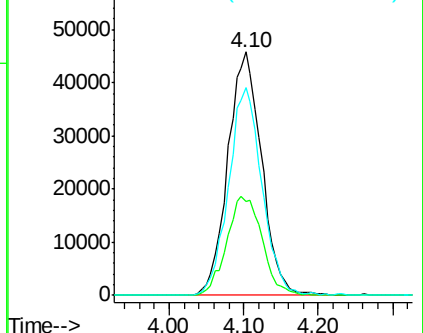
151 84.7 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.335 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

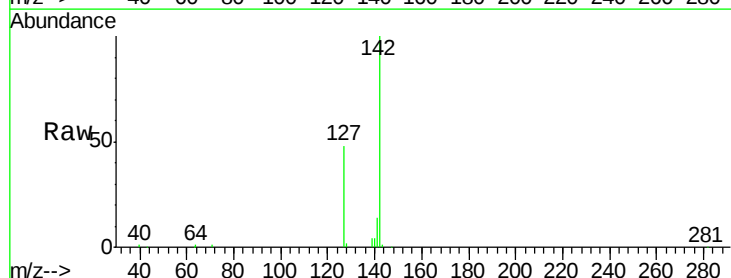
Tgt Ion:142 Resp: 150771

Ion Ratio Lower Upper

142 100

127 50.6 40.0 60.0

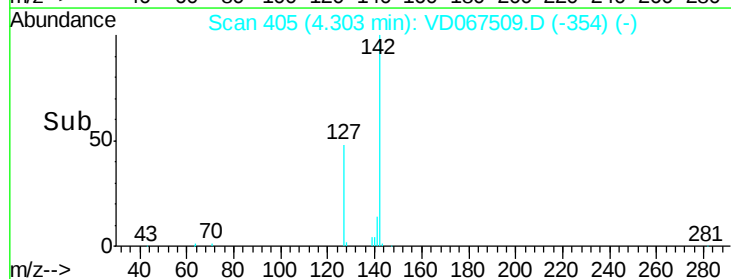
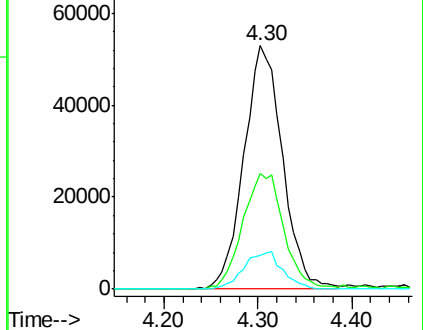
141 15.4 11.7 17.5

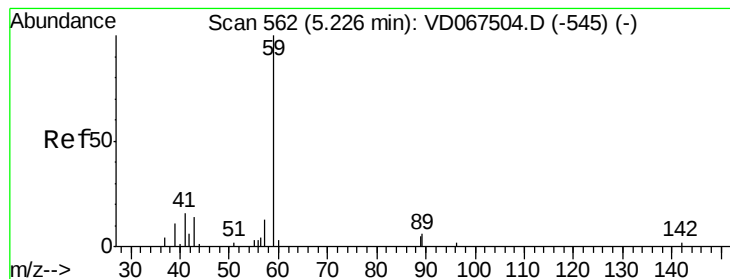


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



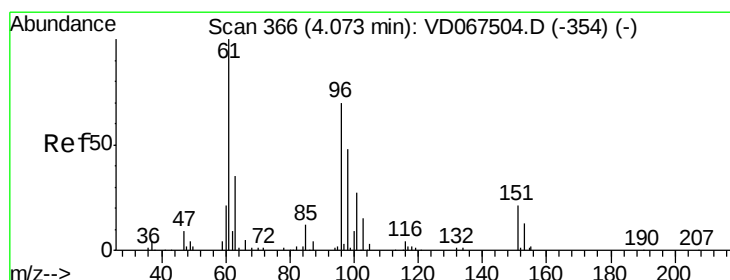
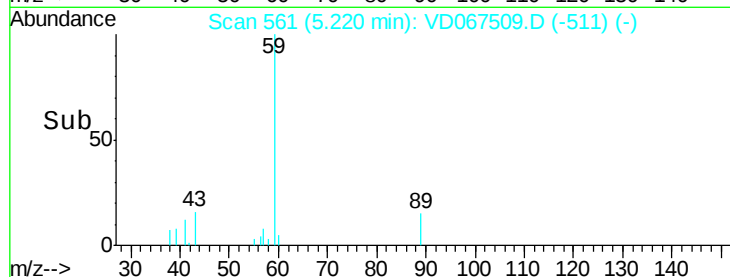
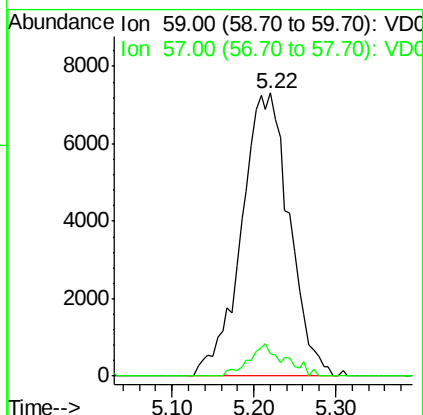
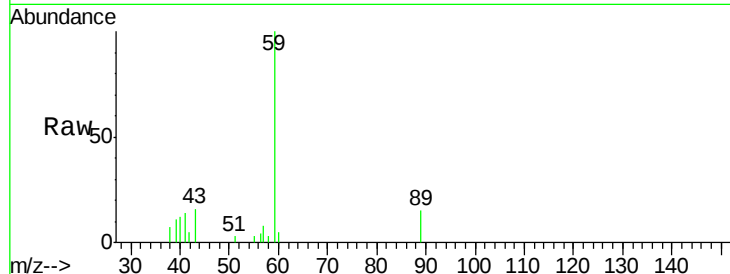


#11

Tert butyl alcohol
 Concen: 245.212 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

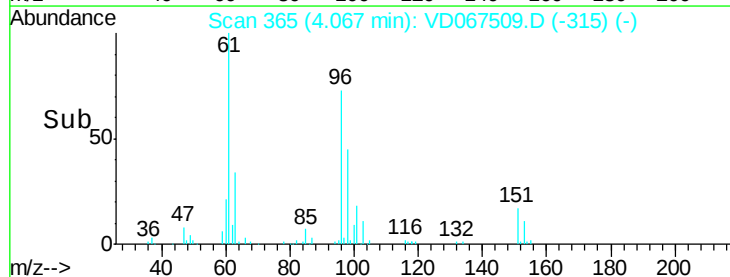
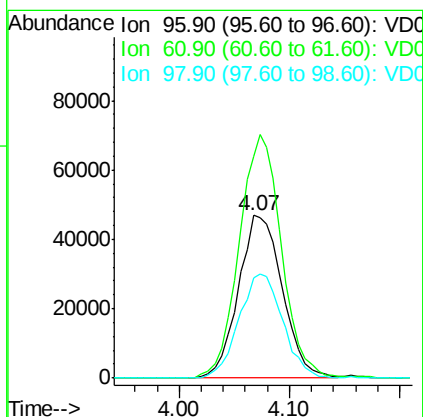
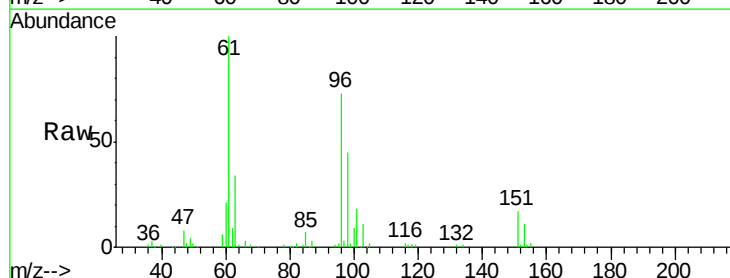
Tot Ion: 59 Resp: 29682
 Ion Ratio Lower Upper
 59 100
 57 6.2 5.9 8.9

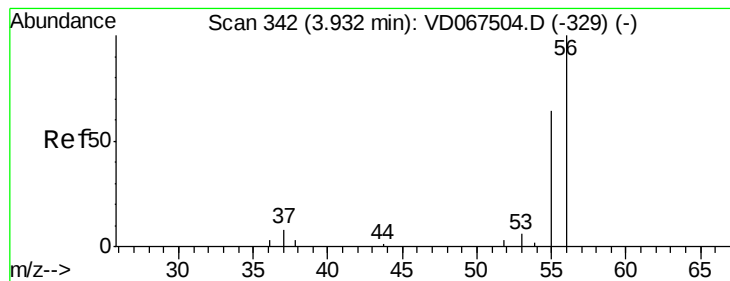


#12

1,1-Dichloroethene
 Concen: 48.943 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion: 96 Resp: 131021
 Ion Ratio Lower Upper
 96 100
 61 136.6 114.5 171.7
 98 61.9 54.5 81.7





#13

Acrolein

Concen: 246.956 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

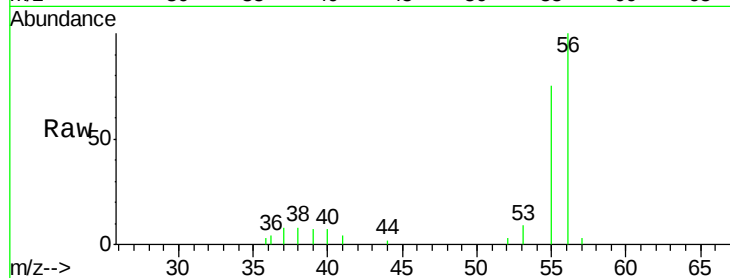
VSTDCCC050

Tot Ion: 56 Resp: 30692

Ion Ratio Lower Upper

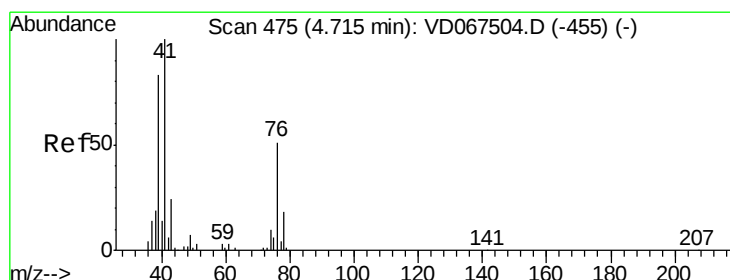
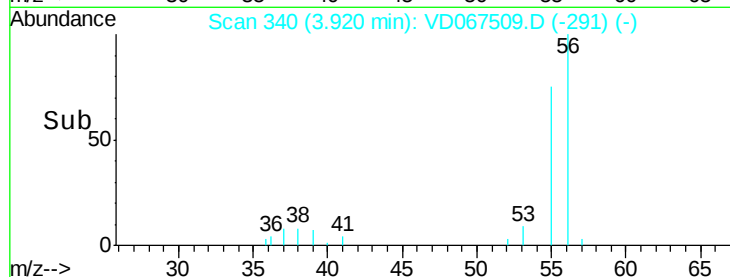
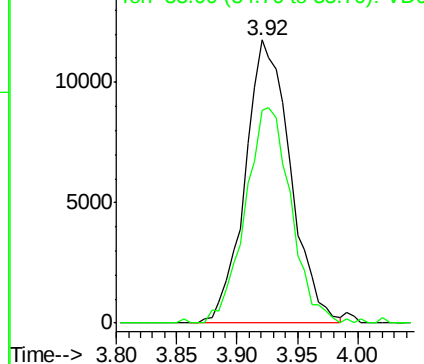
56 100

55 76.7 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.553 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

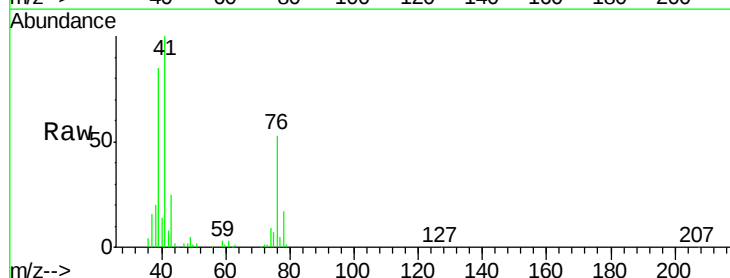
Tgt Ion: 41 Resp: 141972

Ion Ratio Lower Upper

41 100

39 82.7 67.4 101.0

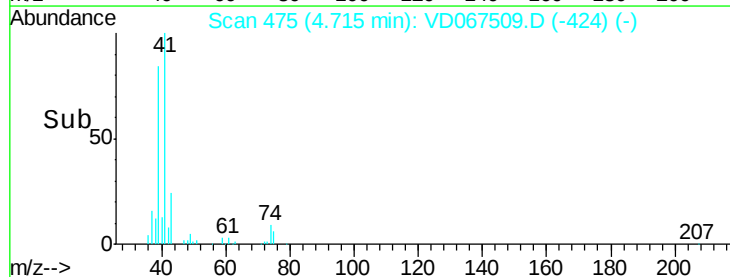
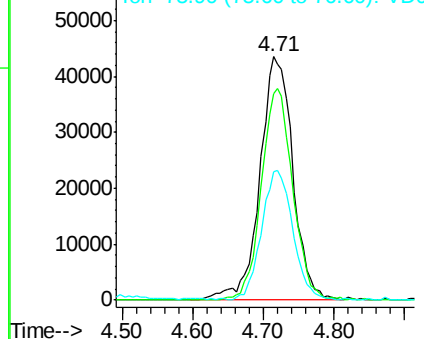
76 50.9 42.2 63.2

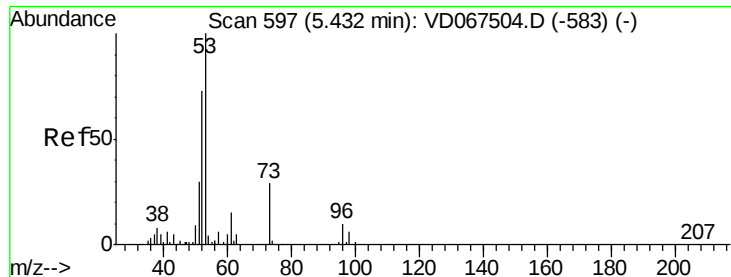


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 230.043 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

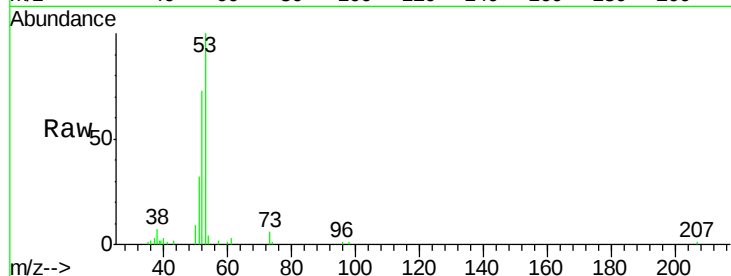
Tot Ion: 53 Resp: 98794

Ion Ratio Lower Upper

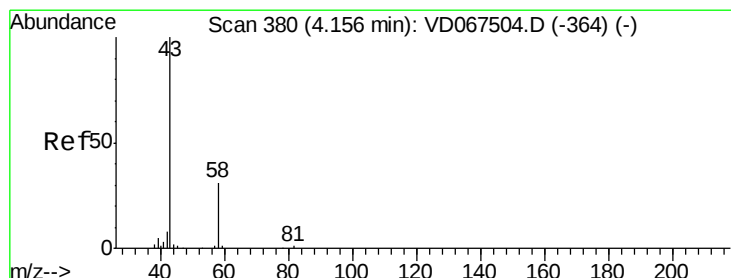
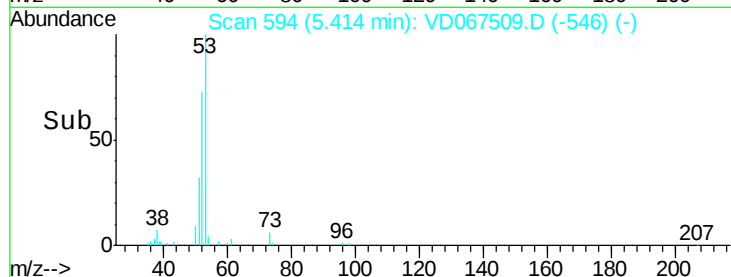
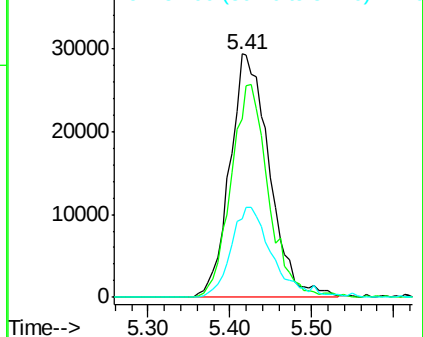
53 100

52 82.8 64.8 97.2

51 38.6 29.5 44.3



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



#16

Acetone

Concen: 273.572 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067509.D

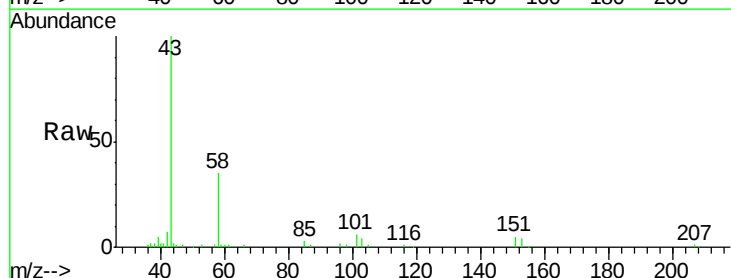
Acq: 04 Nov 2020 09:55

Tgt Ion: 43 Resp: 114811

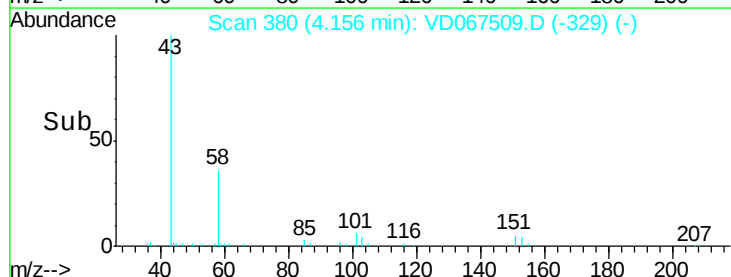
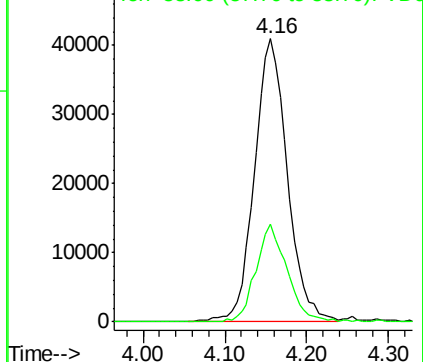
Ion Ratio Lower Upper

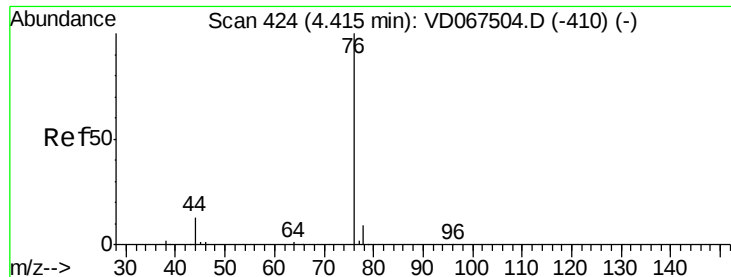
43 100

58 34.6 25.2 37.8



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





#17

Carbon Disulfide

Concen: 47.901 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

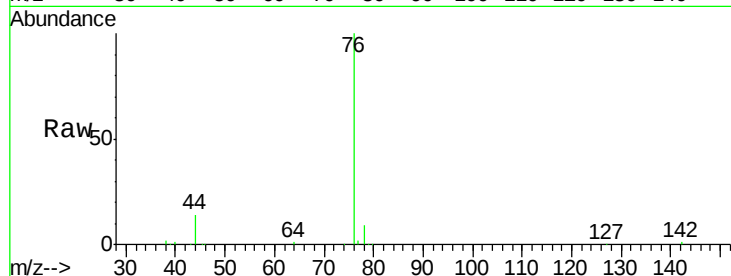
VSTDCCC050

Tot Ion: 76 Resp: 392939

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

150000

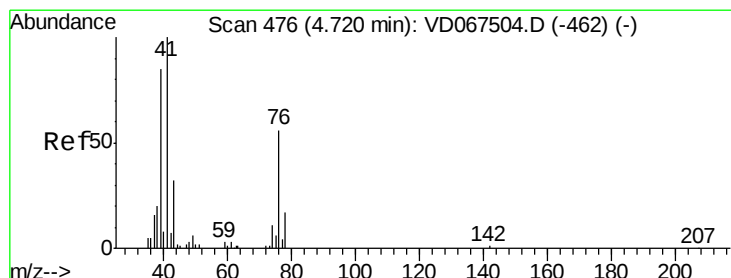
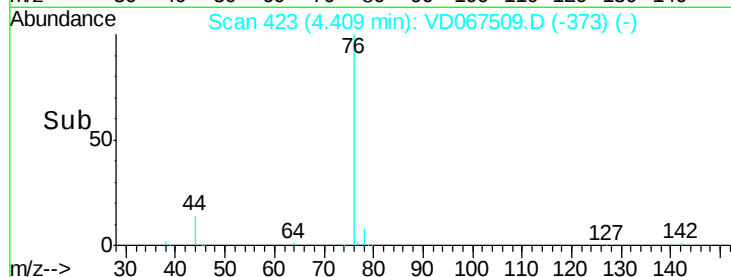
100000

50000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 41.856 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD067509.D

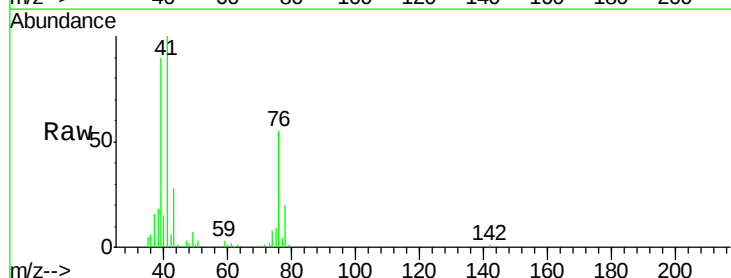
Acq: 04 Nov 2020 09:55

Tgt Ion: 43 Resp: 36299

Ion Ratio Lower Upper

43 100

74 34.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

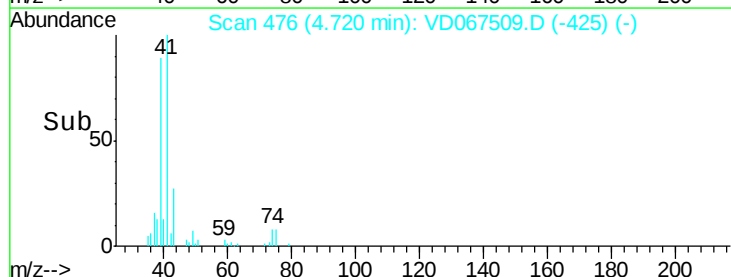
10000

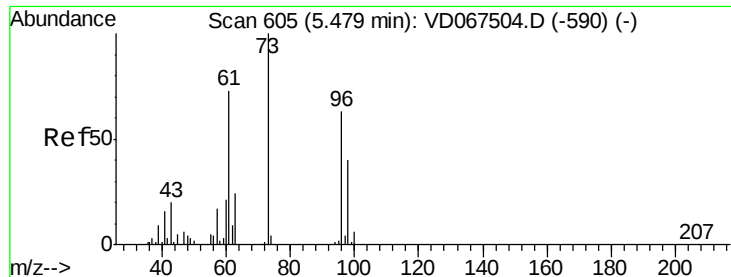
5000

0

Time-->

4.60 4.70 4.80

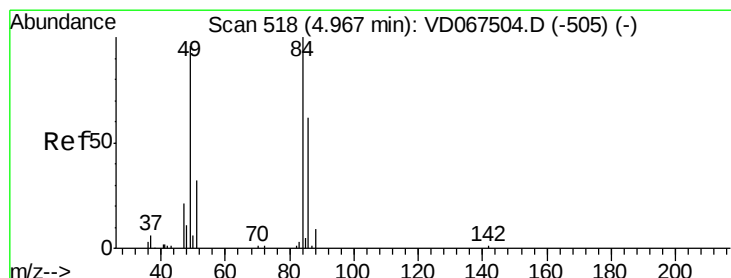
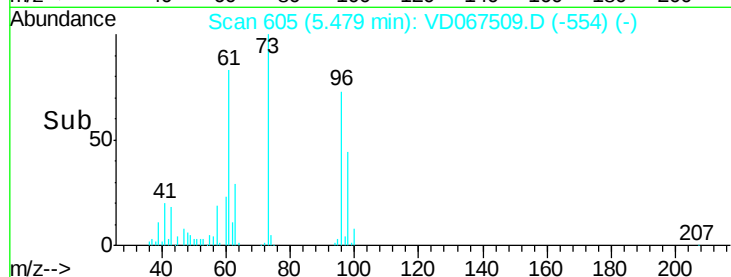
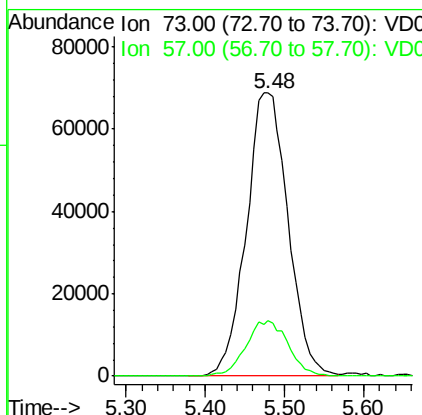
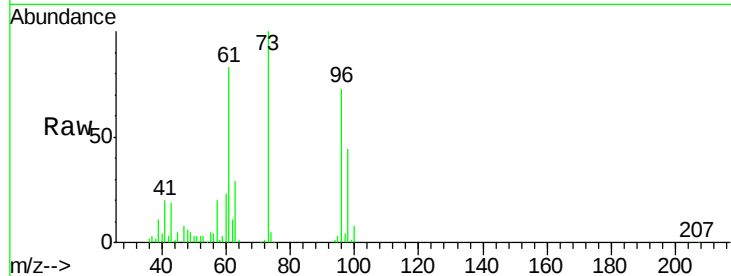




#19
Methvl tert-butvl Ether
Concen: 47.705 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

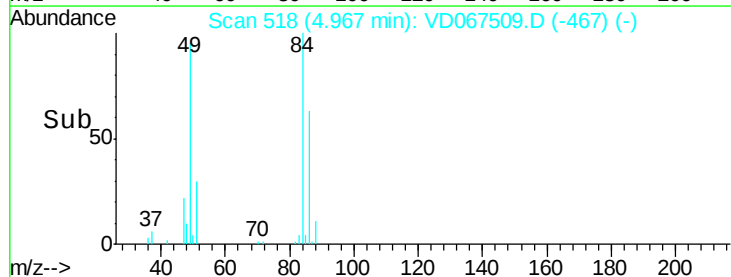
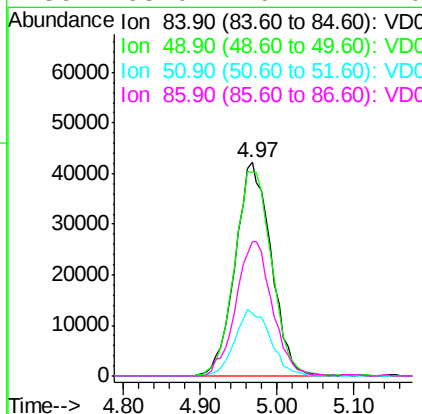
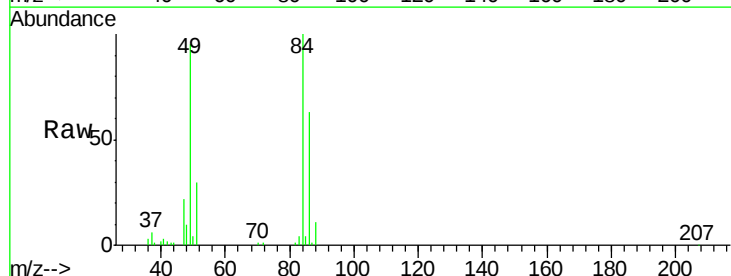
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

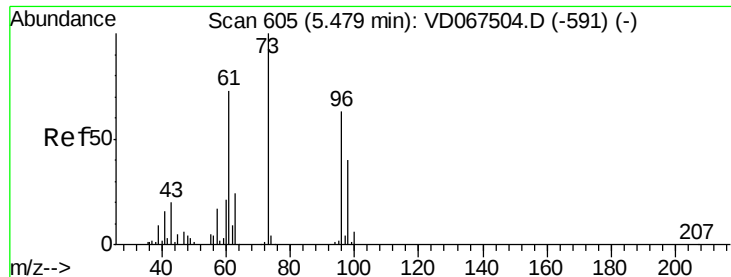
Tot Ion: 73 Resp: 251902
Ion Ratio Lower Upper
73 100
57 19.6 13.4 20.0



#20
Methylene Chloride
Concen: 46.596 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 84 Resp: 138134
Ion Ratio Lower Upper
84 100
49 95.3 77.0 115.4
51 29.5 25.4 38.2
86 63.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 48.204 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

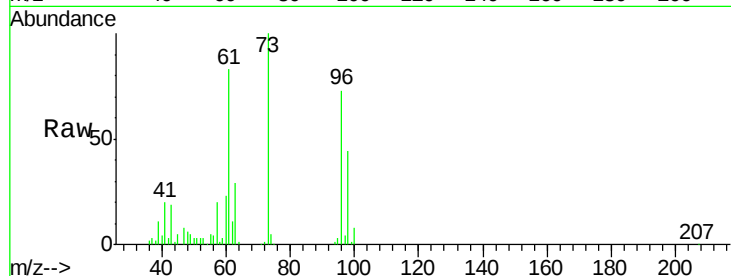
Tot Ion: 96 Resp: 150301

Ion Ratio Lower Upper

96 100

61 114.4 93.0 139.6

98 60.3 50.9 76.3

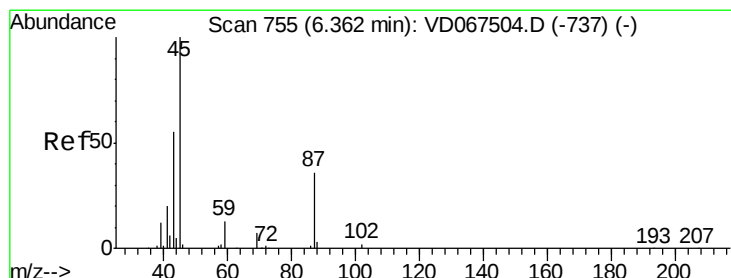
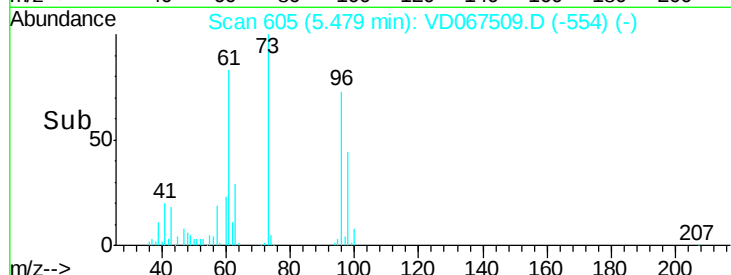
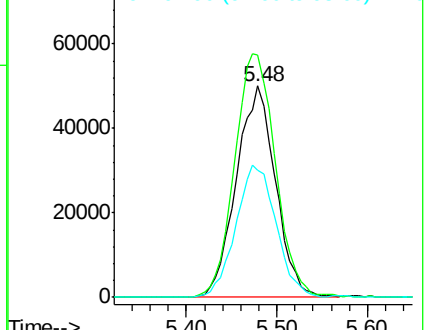


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 50.076 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion: 45 Resp: 279585

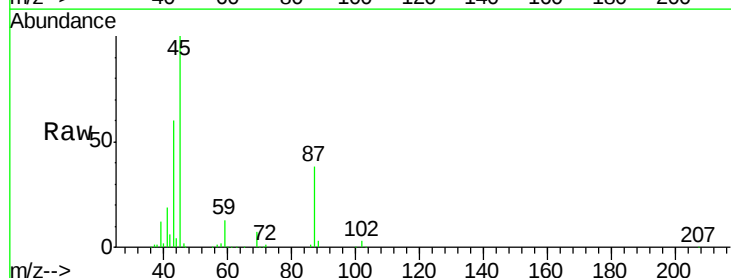
Ion Ratio Lower Upper

45 100

43 58.3 46.2 69.4

87 37.8 29.4 44.2

59 12.3 10.8 16.2



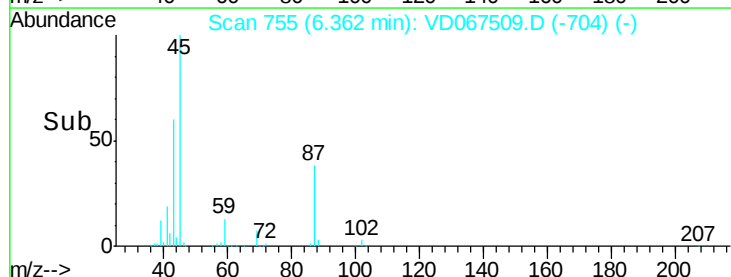
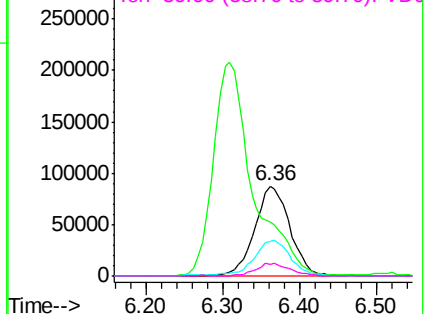
Abundance

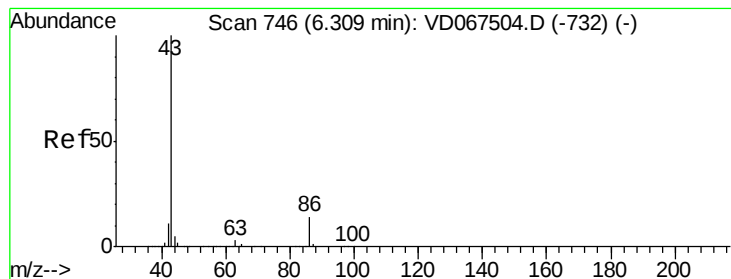
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 254.429 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

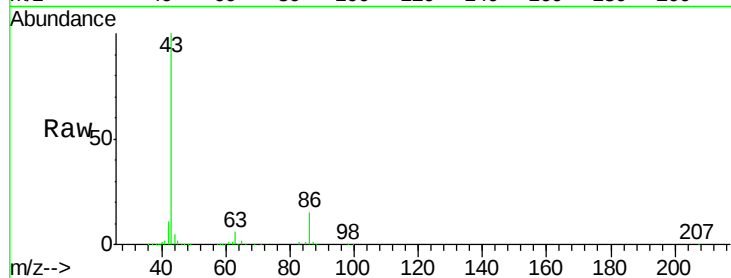
VSTDCCC050

Tot Ion: 43 Resp: 743581

Ion Ratio Lower Upper

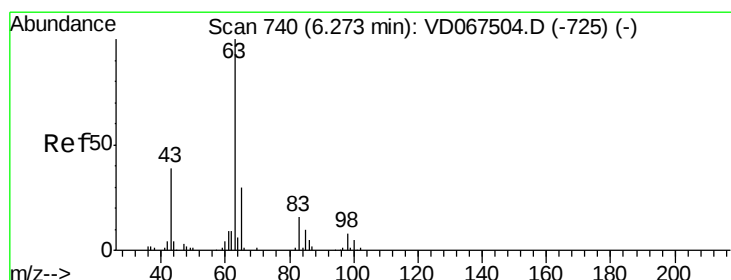
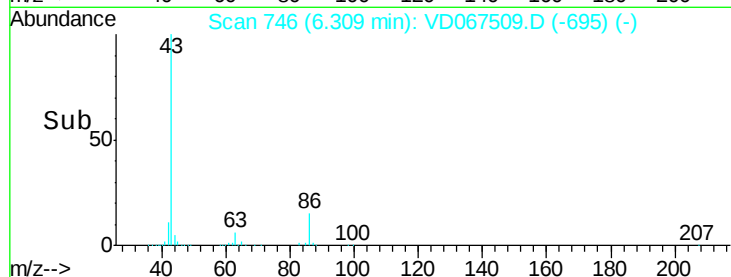
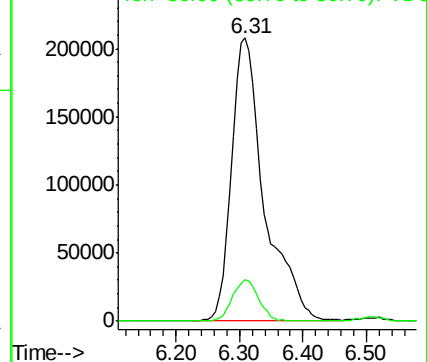
43 100

86 14.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.615 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

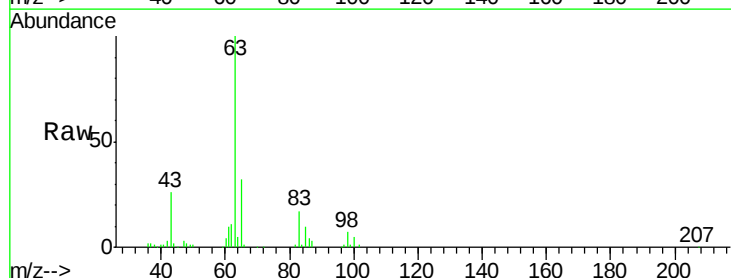
Tgt Ion: 63 Resp: 222055

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

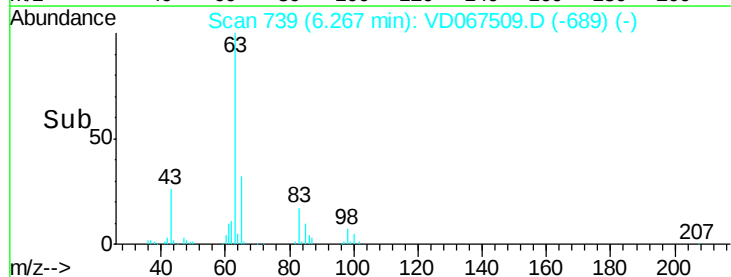
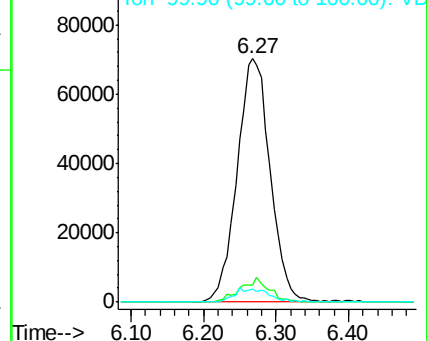
100 5.4 2.6 7.8

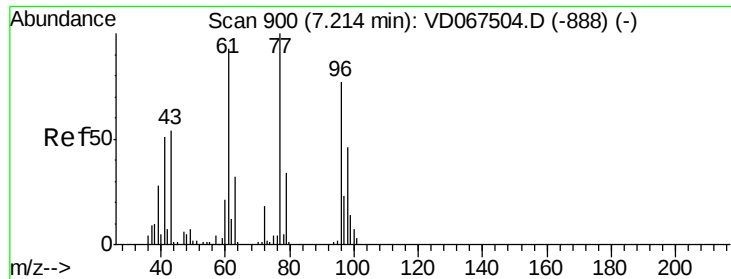


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 233.217 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

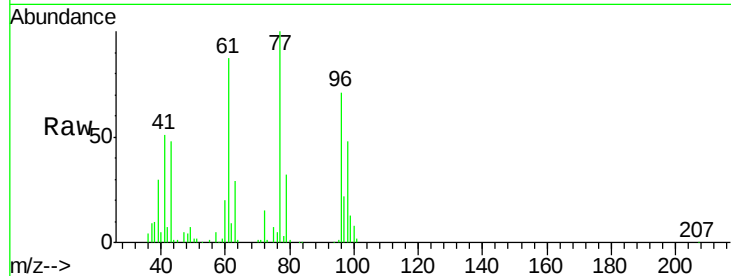
VSTDCCC050

Tot Ion: 43 Resp: 104582

Ion Ratio Lower Upper

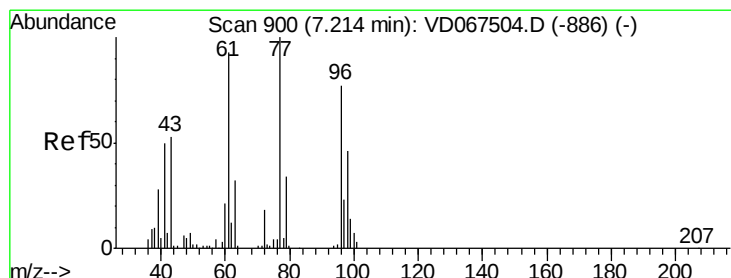
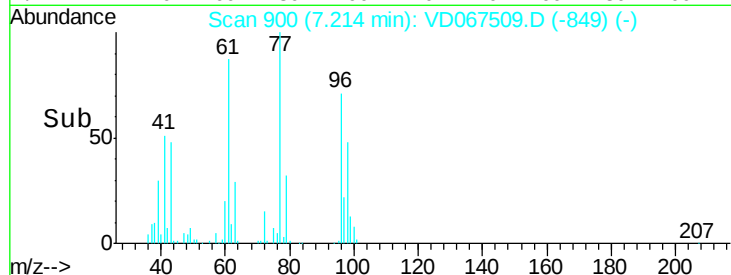
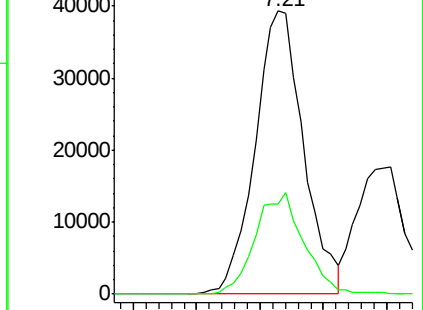
43 100

72 31.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.614 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067509.D

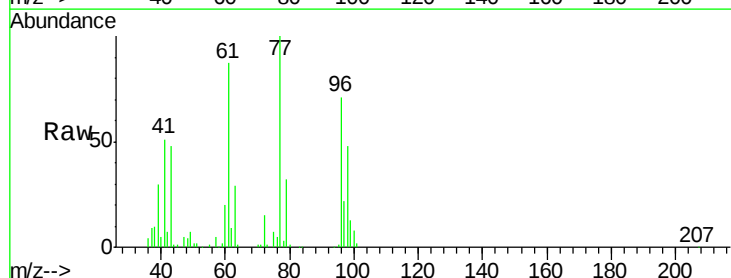
Acq: 04 Nov 2020 09:55

Tgt Ion: 77 Resp: 239168

Ion Ratio Lower Upper

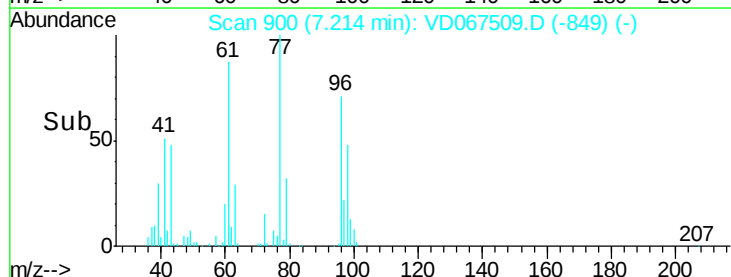
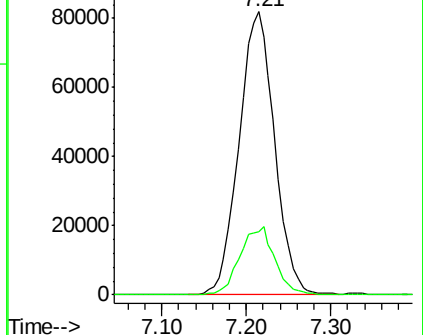
77 100

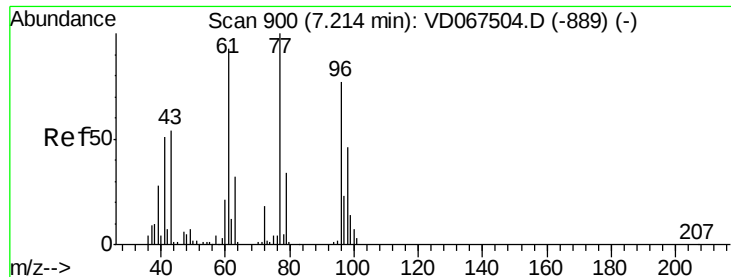
97 23.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



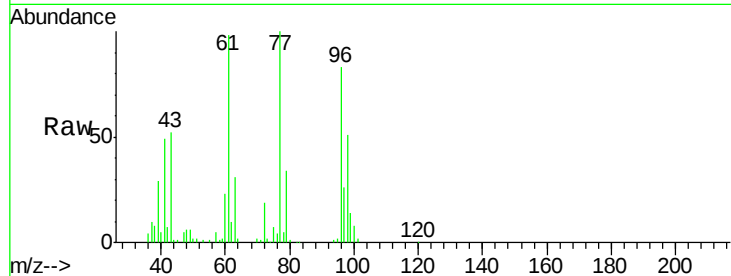


#27

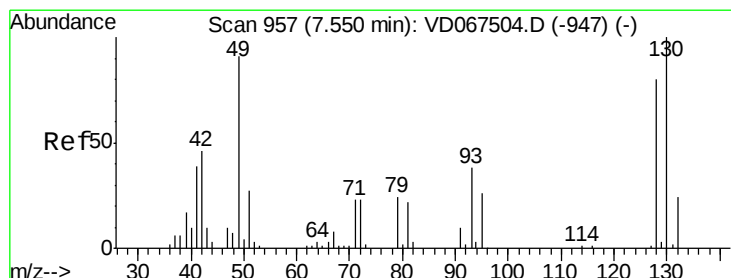
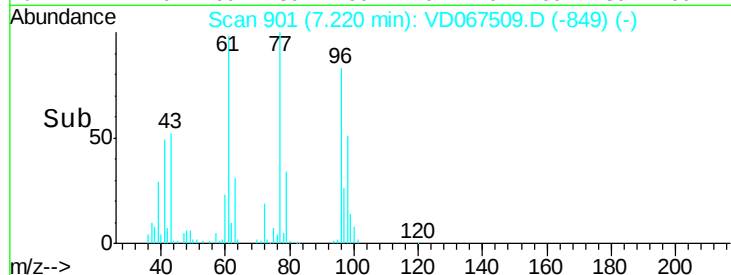
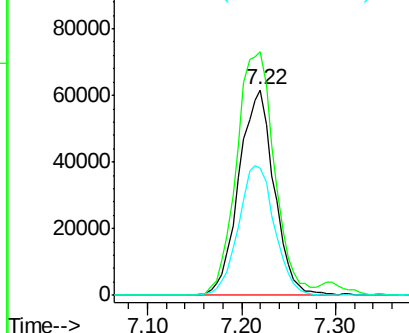
cis-1,2-Dichloroethene
Concen: 49.608 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 160550
Ion Ratio Lower Upper
96 100
61 127.7 0.0 251.6
98 64.7 0.0 128.0



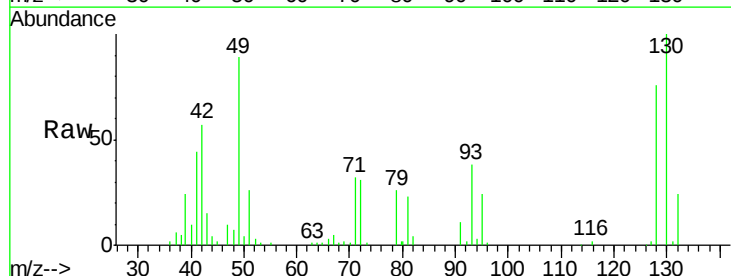
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



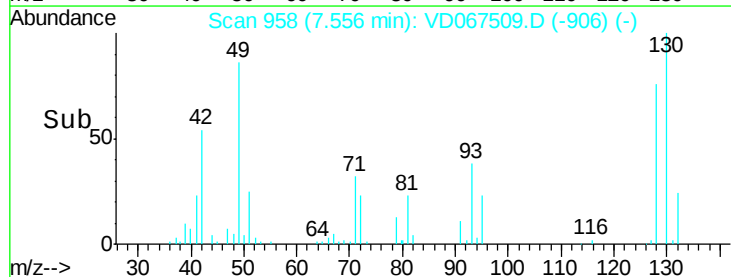
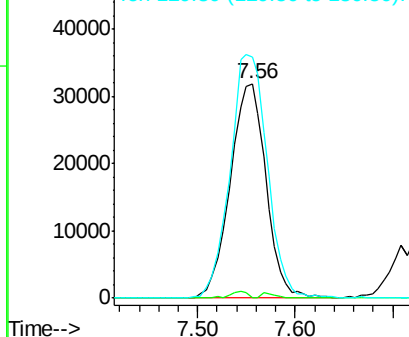
#28

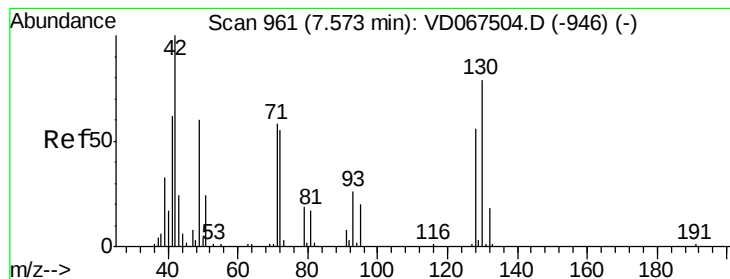
Bromochloromethane
Concen: 50.192 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 49 Resp: 81547
Ion Ratio Lower Upper
49 100
129 1.5 0.0 6.4
130 118.4 94.6 142.0



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: 235.342 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

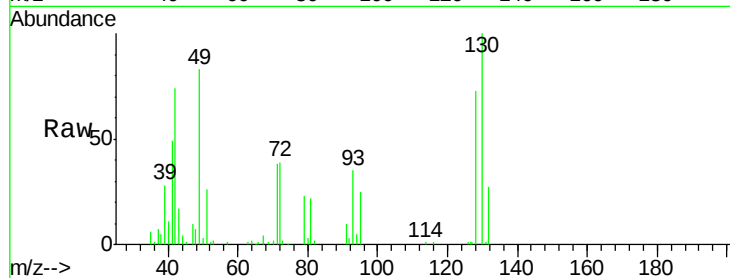
Tot Ion: 42 Resp: 63216

Ion Ratio Lower Upper

42 100

72 56.0 46.3 69.5

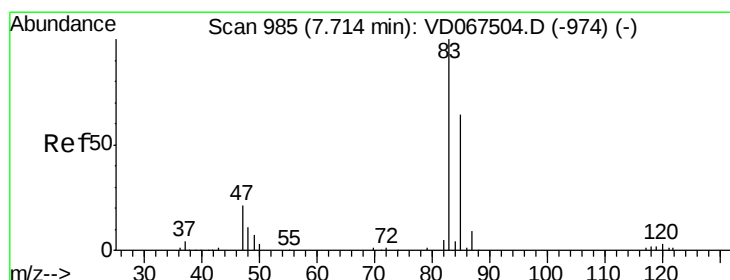
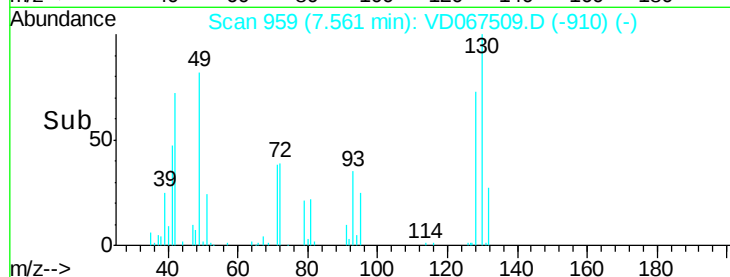
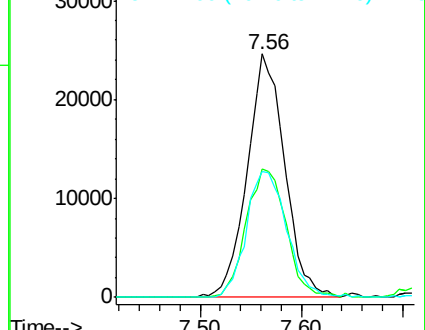
71 55.9 44.0 66.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.566 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD067509.D

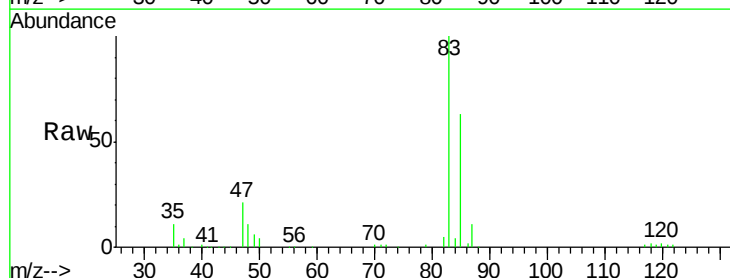
Acq: 04 Nov 2020 09:55

Tgt Ion: 83 Resp: 270094

Ion Ratio Lower Upper

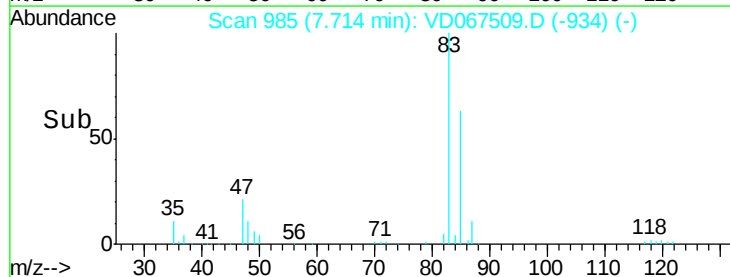
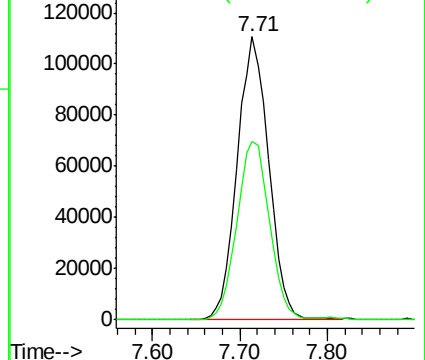
83 100

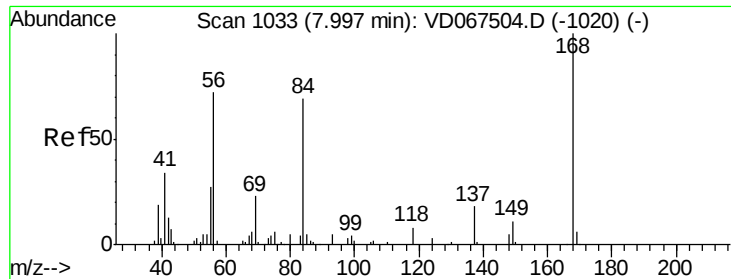
85 63.1 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

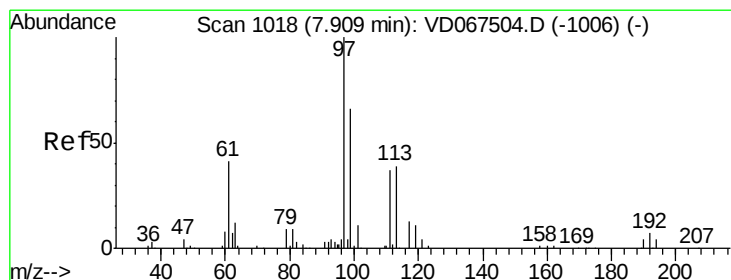
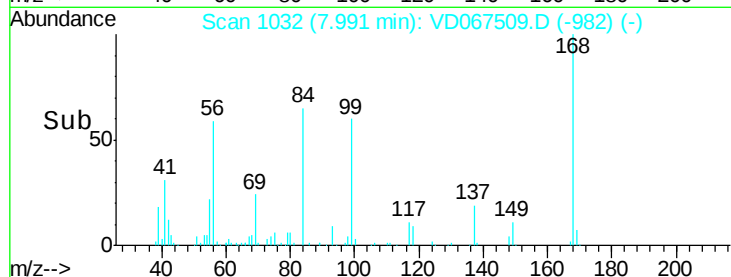
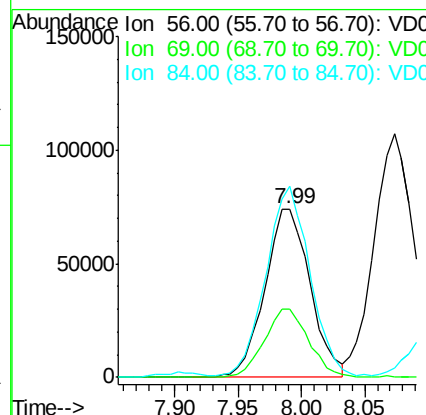
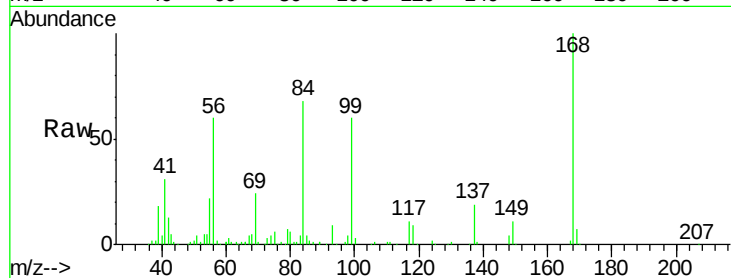




#31
Cyclohexane
Concen: 45.337 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

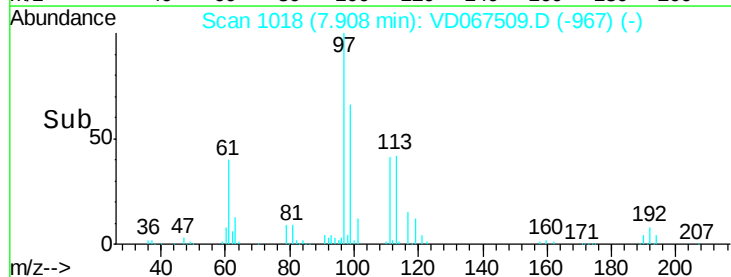
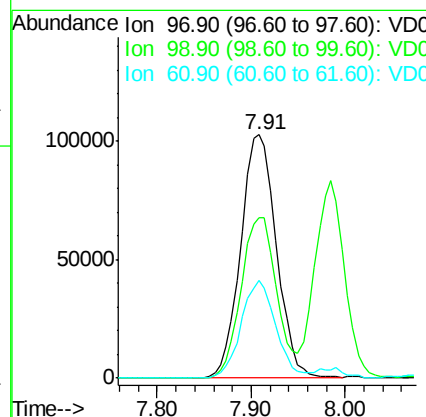
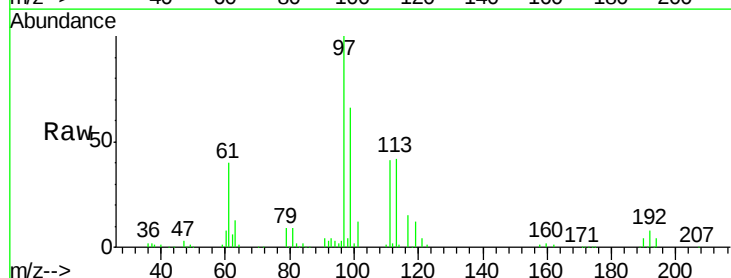
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

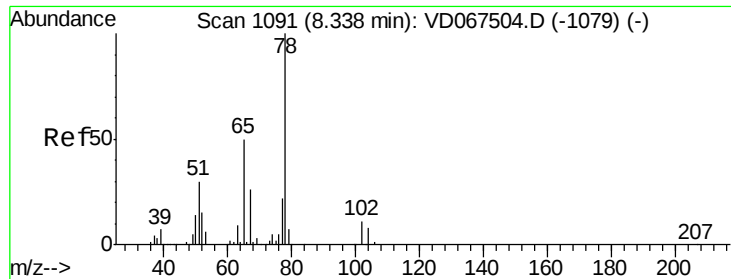
Tot Ion: 56 Resp: 184410
Ion Ratio Lower Upper
56 100
69 40.8 25.9 38.9#
84 110.8 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 48.173 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 97 Resp: 270846
Ion Ratio Lower Upper
97 100
99 66.5 51.8 77.6
61 38.5 30.5 45.7

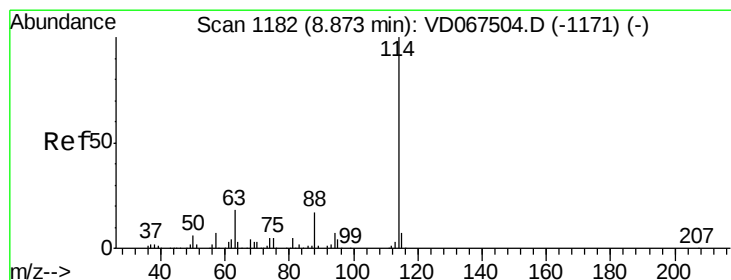
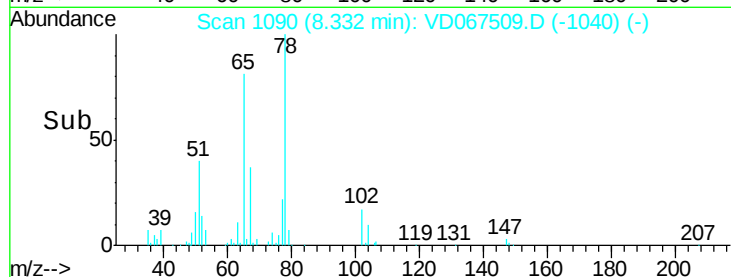
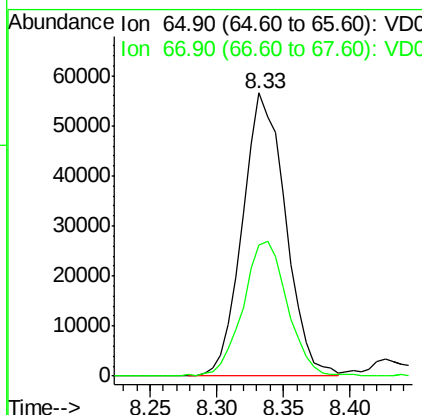
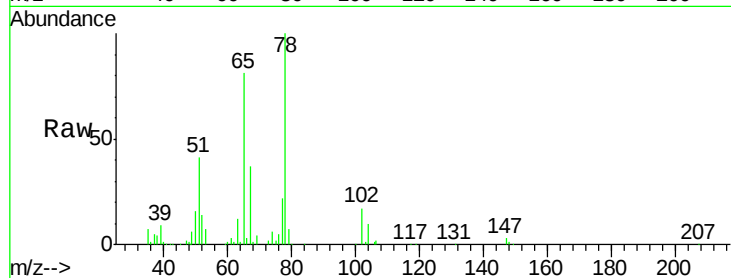




#33
 1,2-Dichloroethane-d4
 Concen: 45.082 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

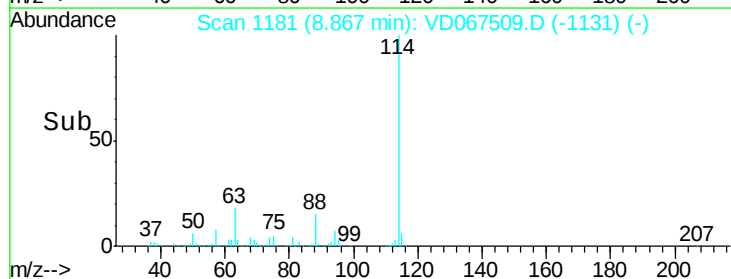
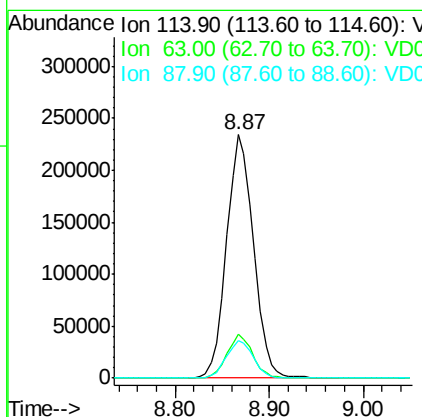
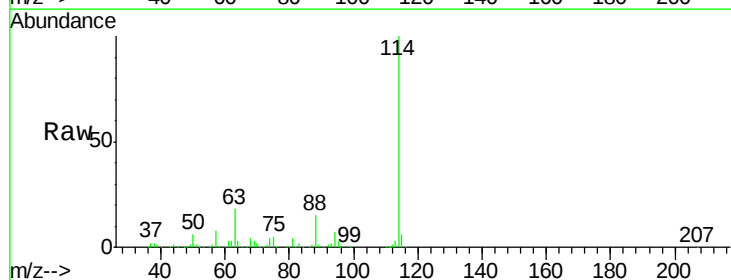
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

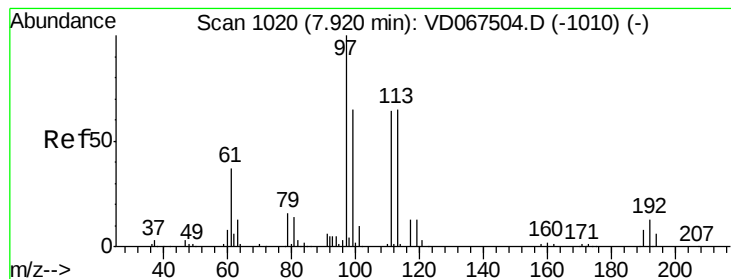
Tot Ion: 65 Resp: 126431
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion: 114 Resp: 466268
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.0
 88 15.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.494 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

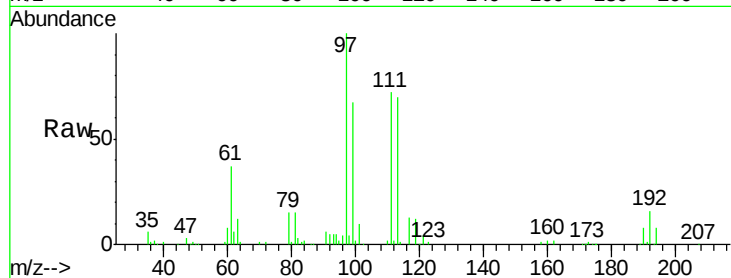
Tot Ion:113 Resp: 133424

Ion Ratio Lower Upper

113 100

111 102.9 80.0 120.0

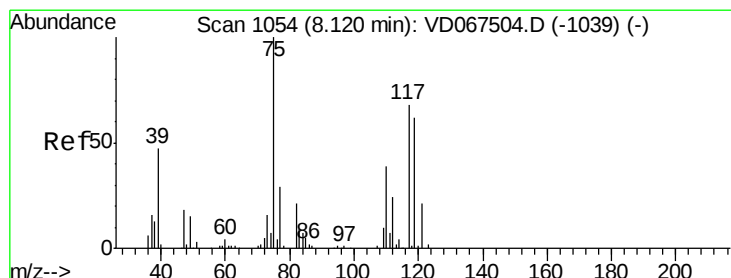
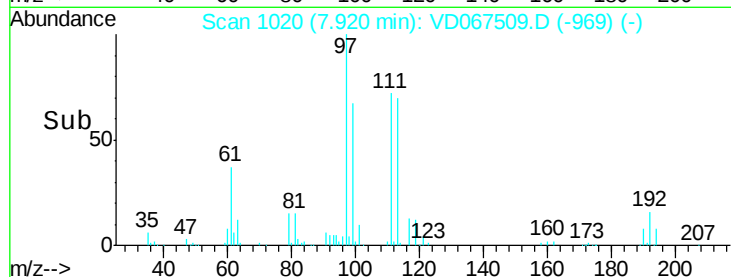
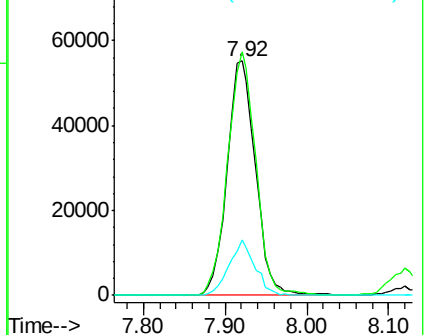
192 21.4 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.971 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

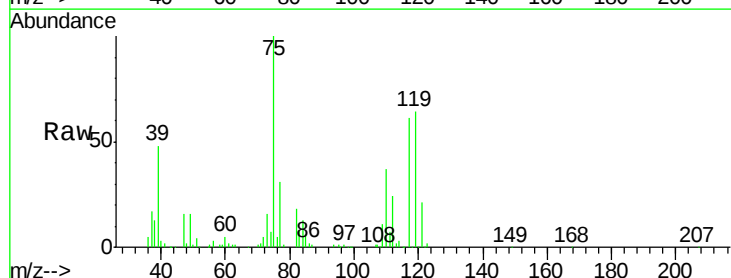
Tgt Ion: 75 Resp: 199444

Ion Ratio Lower Upper

75 100

110 39.8 19.9 59.7

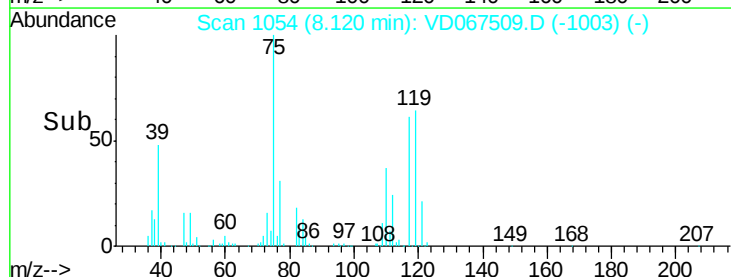
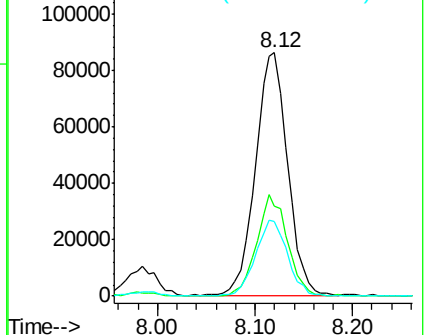
77 31.3 24.8 37.2

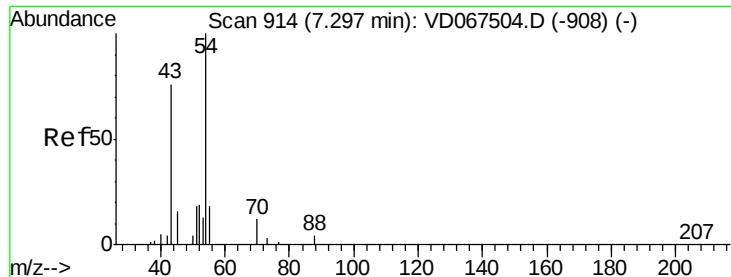


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

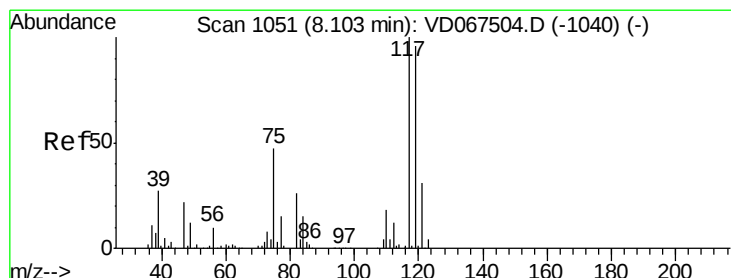
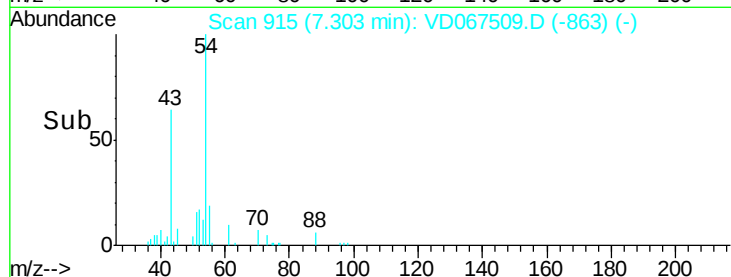
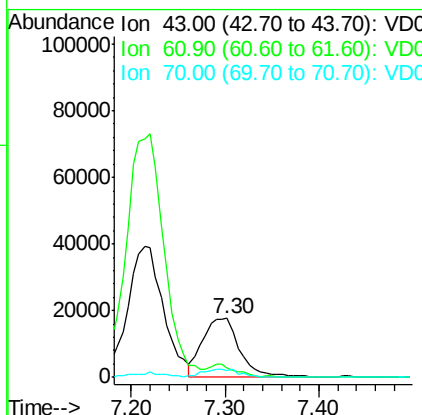
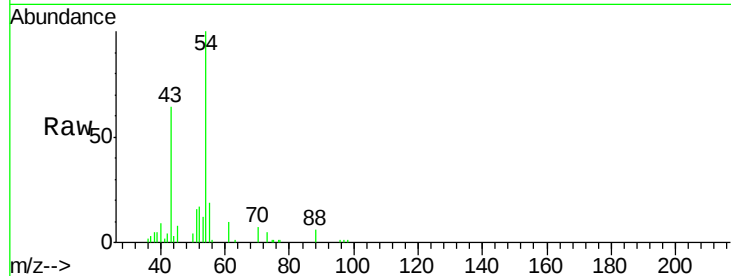




#37
Ethyl Acetate
Concen: 47.547 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

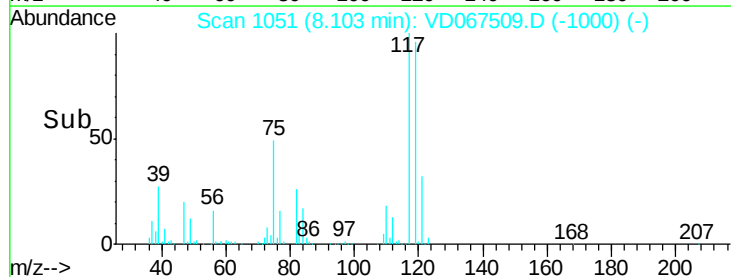
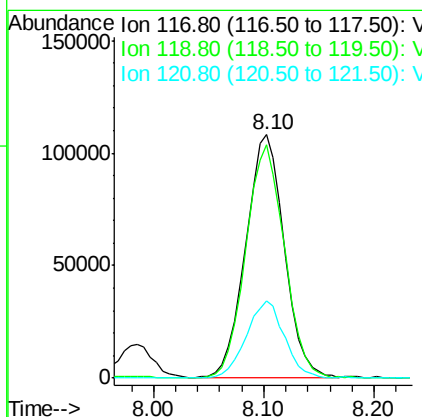
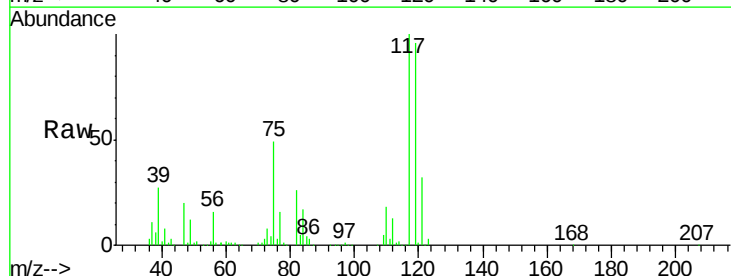
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

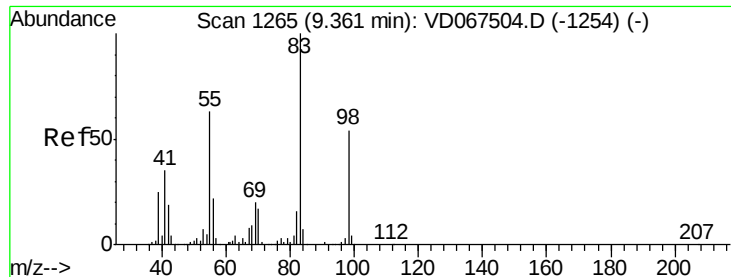
Tot Ion: 43 Resp: 49268
Ion Ratio Lower Upper
43 100
61 13.0 12.8 19.2
70 13.9 11.7 17.5



#38
Carbon Tetrachloride
Concen: 50.963 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 117 Resp: 264277
Ion Ratio Lower Upper
117 100
119 95.9 76.9 115.3
121 32.0 24.5 36.7

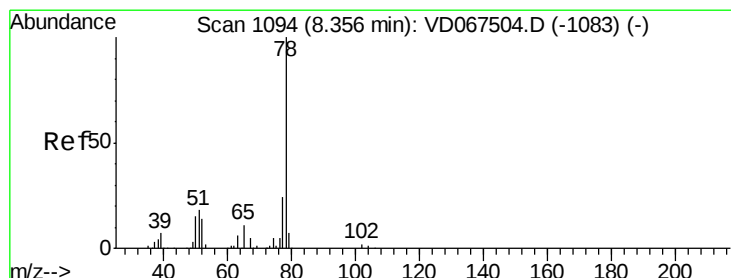
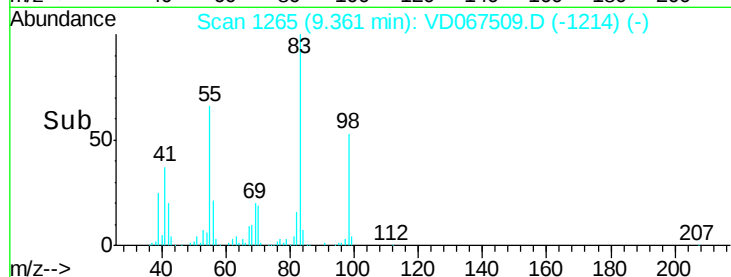
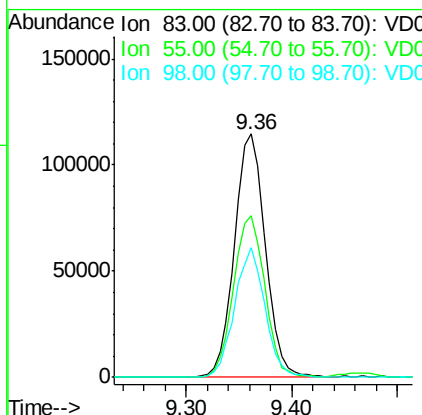
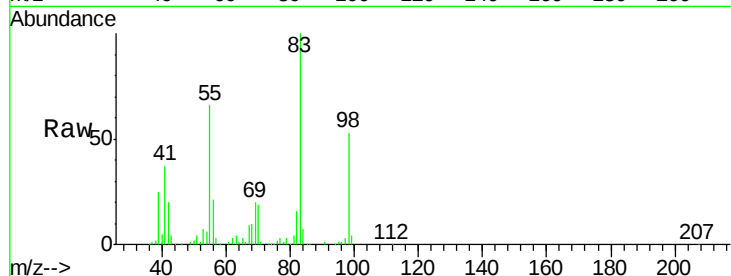




#39
Methvlcvclohexane
Concen: 49.441 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

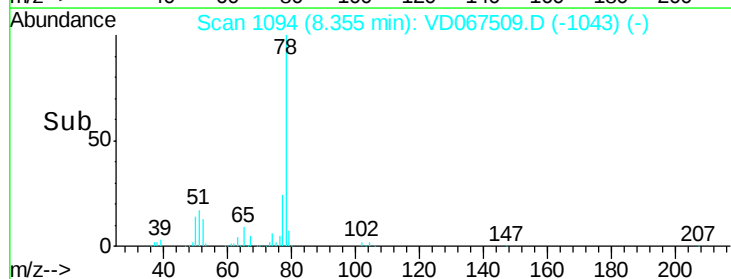
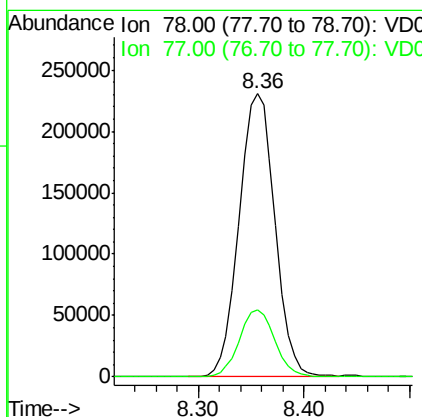
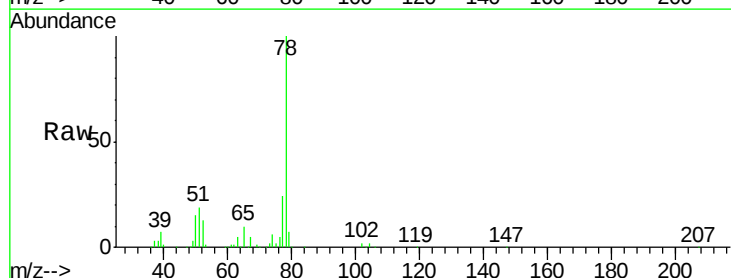
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

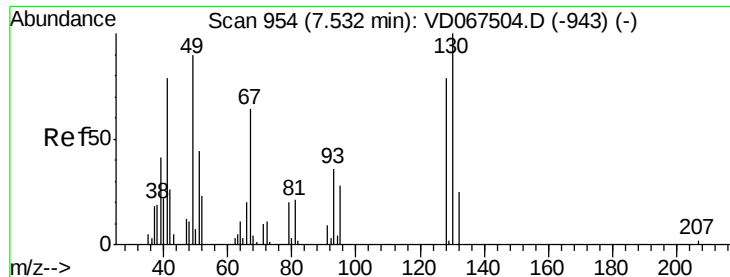
Tot Ion: 83 Resp: 232251
Ion Ratio Lower Upper
83 100
55 66.3 50.5 75.7
98 53.2 43.4 65.0



#40
Benzene
Concen: 50.234 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 78 Resp: 543089
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7





#41

Methacrylonitrile

Concen: 37.982 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 23525

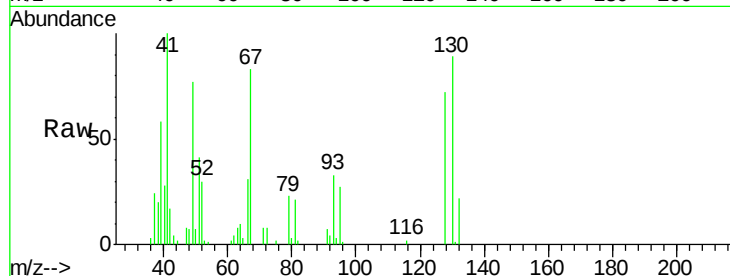
Ion Ratio Lower Upper

41 100

39 67.7 51.3 76.9

67 118.3 78.9 118.3

52 45.6 31.4 47.2

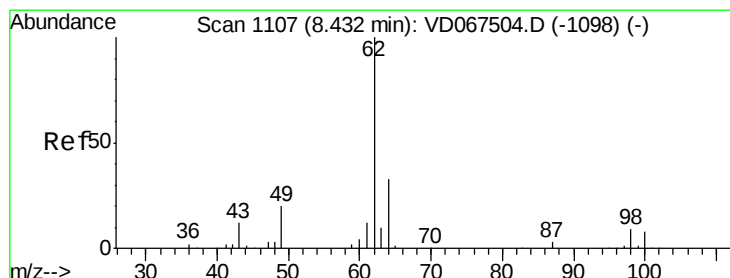
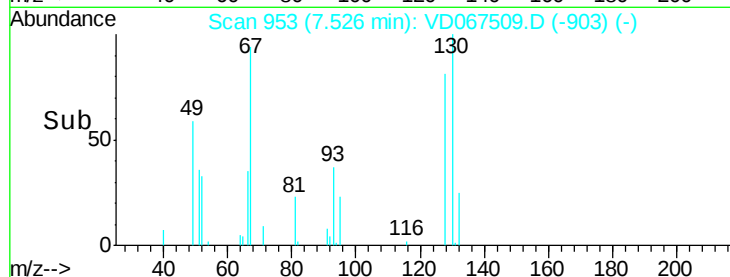
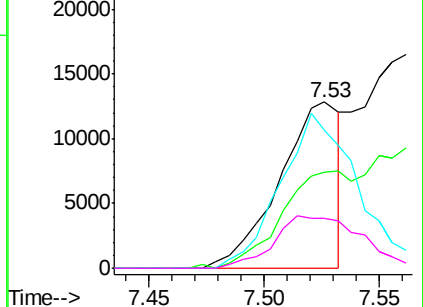


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 47.898 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067509.D

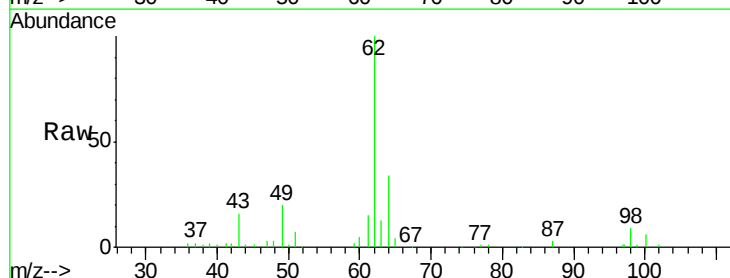
Acq: 04 Nov 2020 09:55

Tgt Ion: 62 Resp: 159995

Ion Ratio Lower Upper

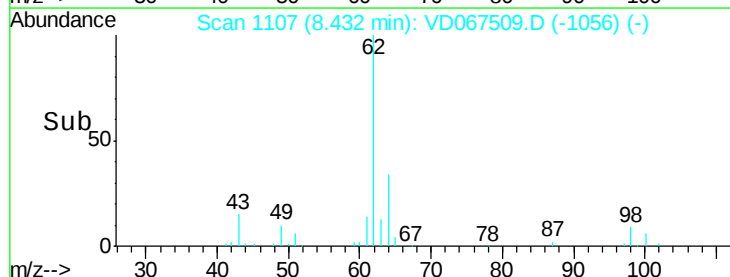
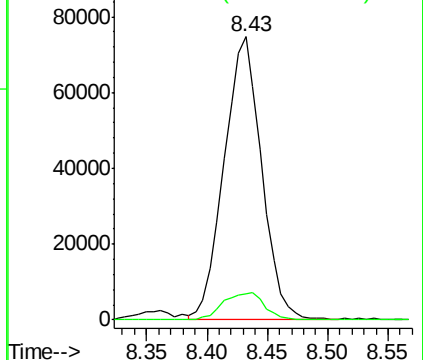
62 100

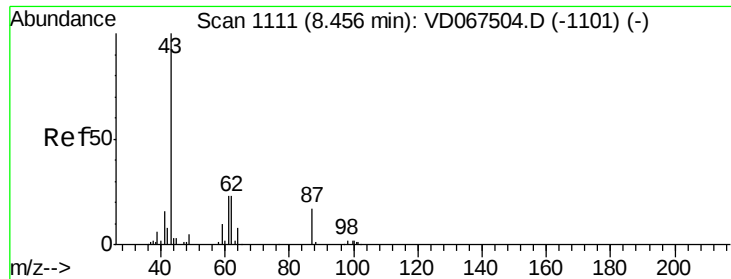
98 10.7 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.486 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

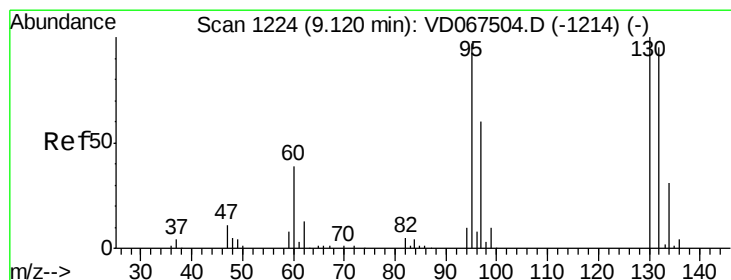
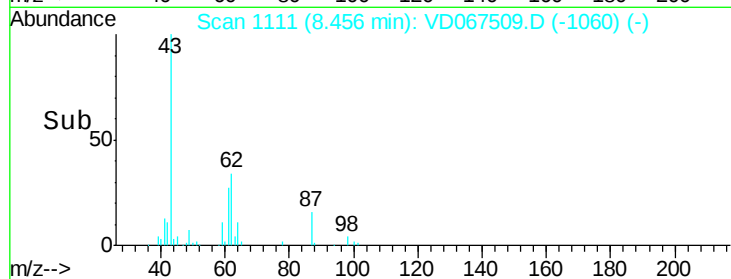
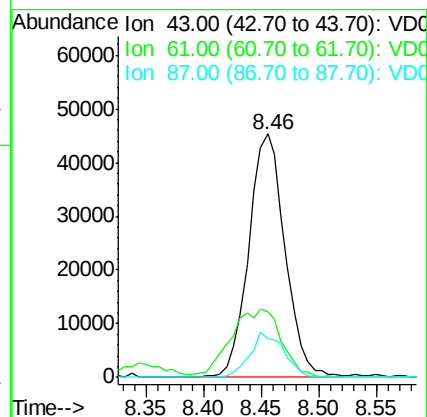
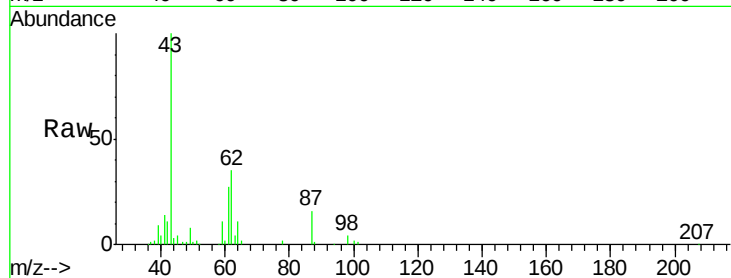
Tot Ion: 43 Resp: 99359

Ion Ratio Lower Upper

43 100

61 39.0 30.5 45.7

87 17.3 14.7 22.1



#44

Trichloroethene

Concen: 48.731 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067509.D

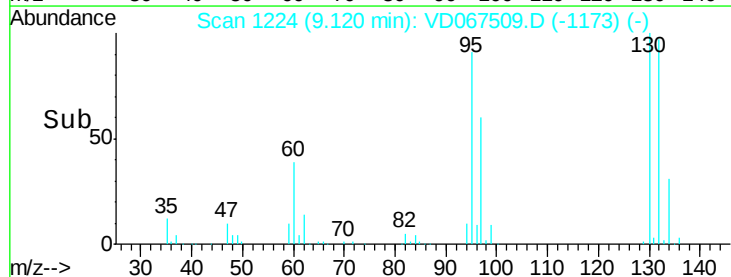
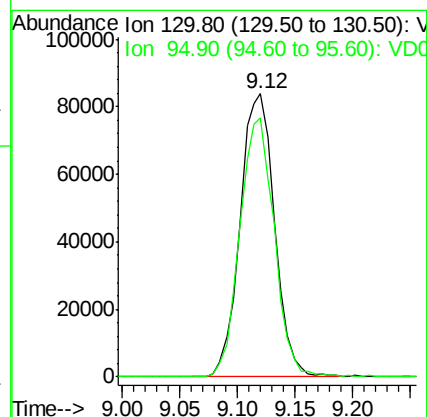
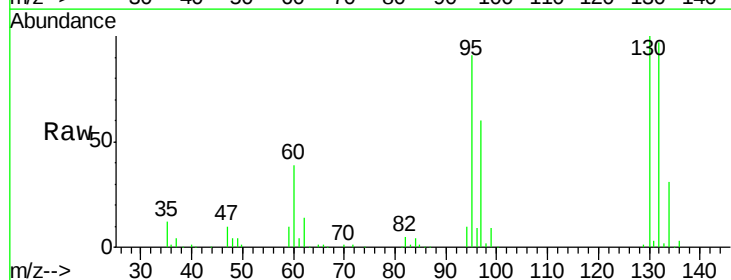
Acq: 04 Nov 2020 09:55

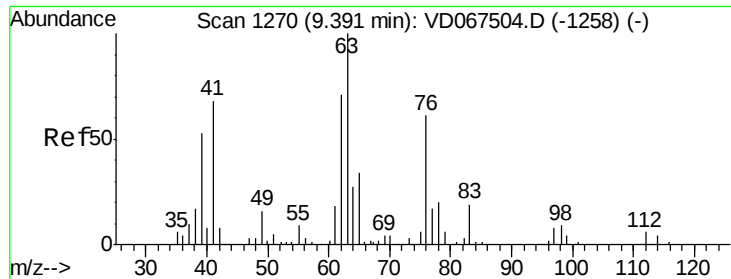
Tgt Ion: 130 Resp: 173227

Ion Ratio Lower Upper

130 100

95 91.4 0.0 194.4

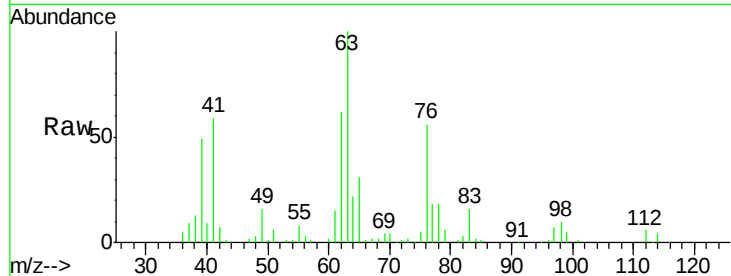




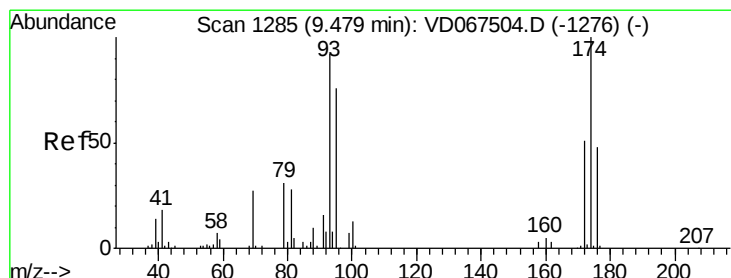
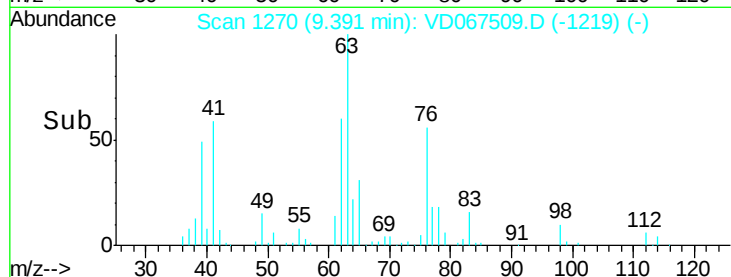
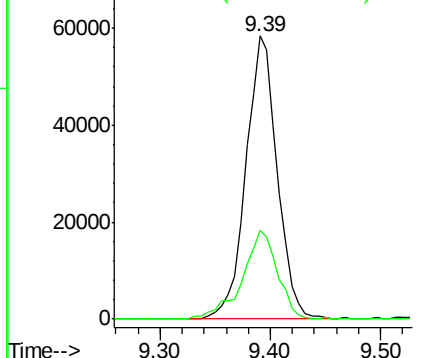
#45
 1,2-Dichloropropane
 Concen: 49.700 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 116172
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.9 40.3

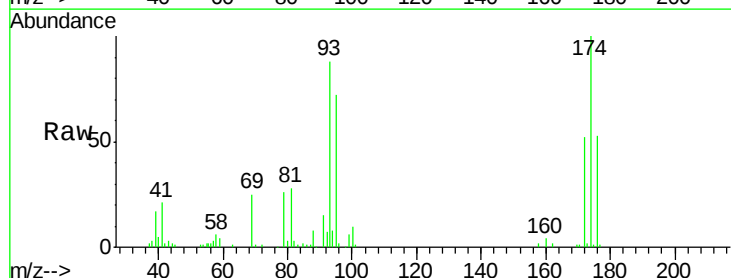


Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 64.90 (64.60 to 65.60): VDC

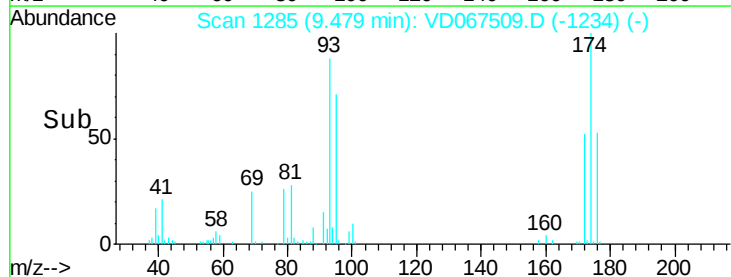
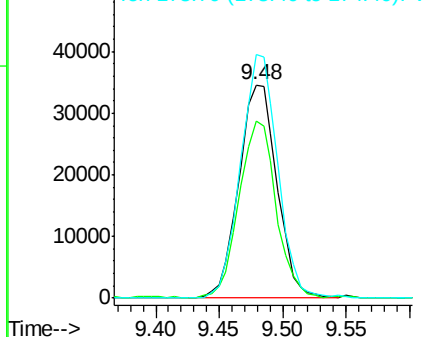


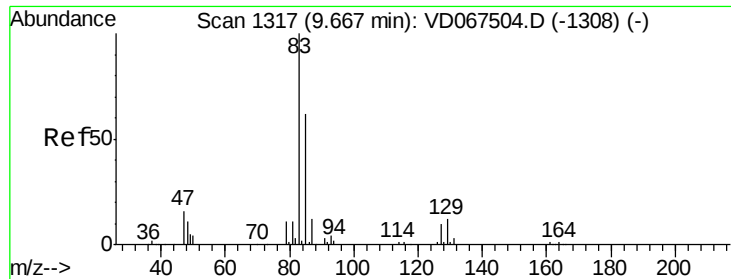
#46
 Dibromomethane
 Concen: 48.727 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion: 93 Resp: 72419
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.4 99.6
 174 110.9 88.2 132.4



Abundance Ion 92.80 (92.50 to 93.50): VDC
 Ion 94.80 (94.50 to 95.50): VDC
 Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.994 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

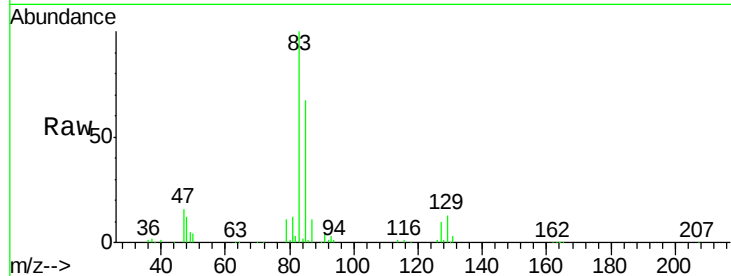
Tot Ion: 83 Resp: 201952

Ion Ratio Lower Upper

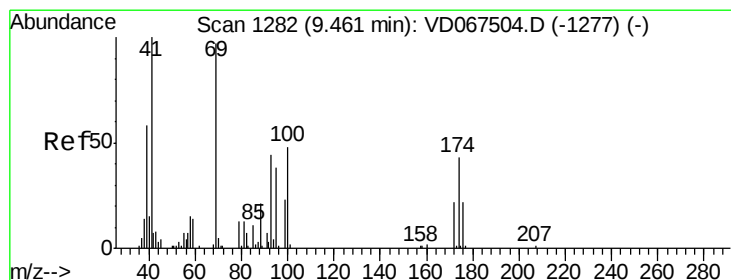
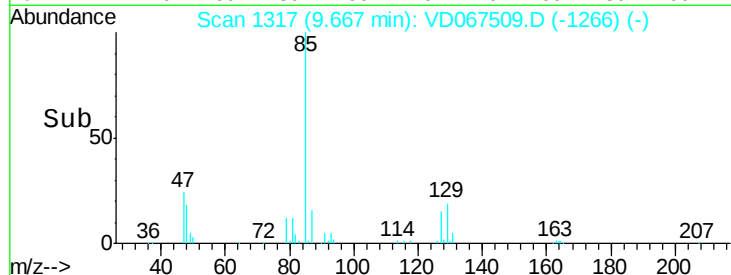
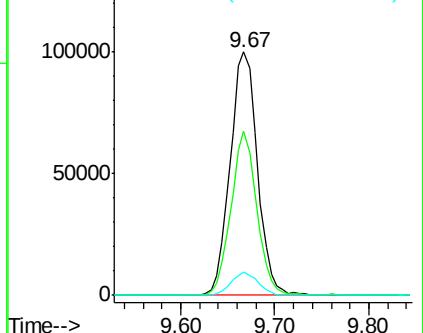
83 100

85 67.3 49.4 74.2

127 9.8 7.7 11.5



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



#48

Methyl methacrylate

Concen: 50.595 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

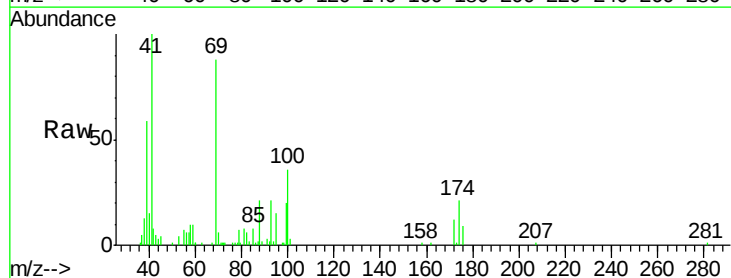
Tgt Ion: 41 Resp: 53533

Ion Ratio Lower Upper

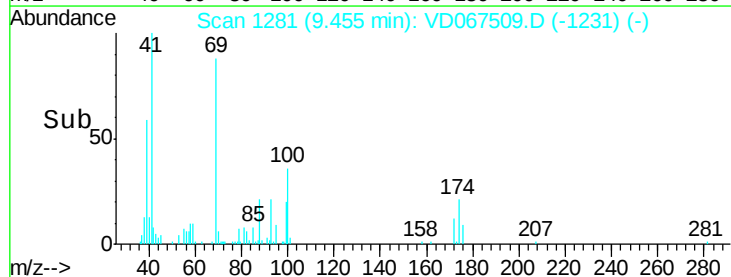
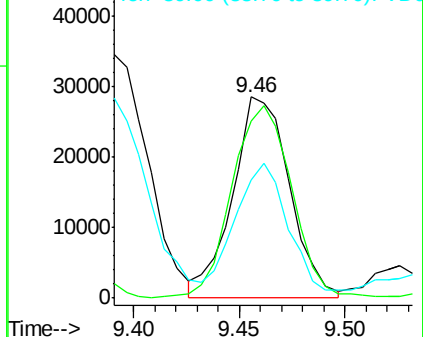
41 100

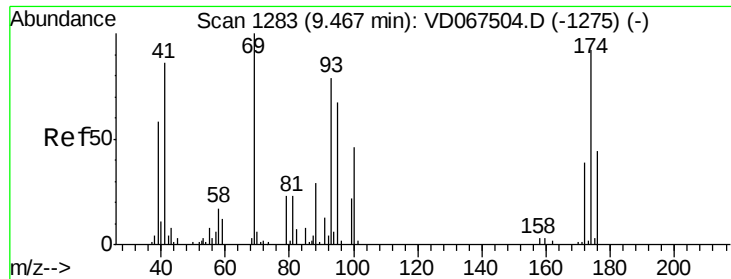
69 101.2 80.6 121.0

39 56.6 50.2 75.4



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

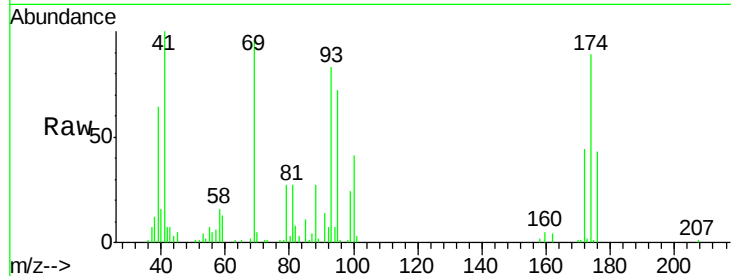




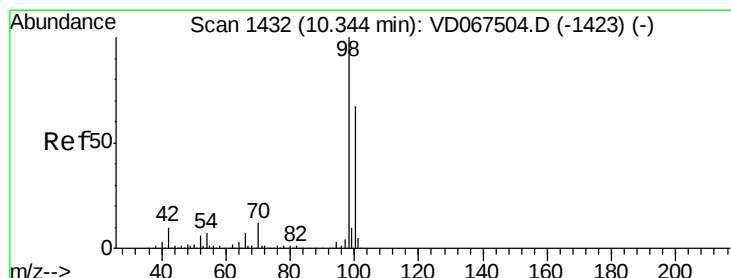
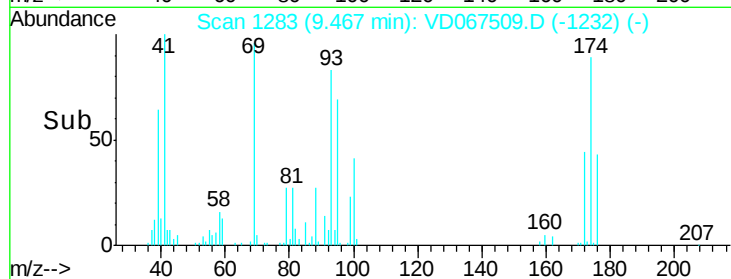
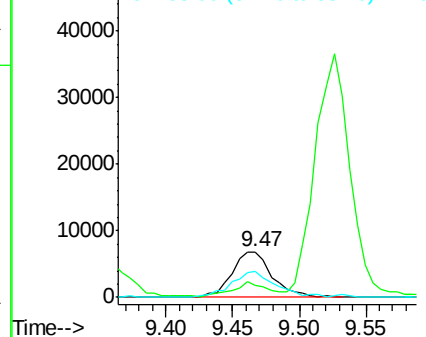
#49
1,4-Dioxane
Concen: 949.389 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 14324
Ion Ratio Lower Upper
88 100
43 29.6 23.6 35.4
58 63.0 44.7 67.1

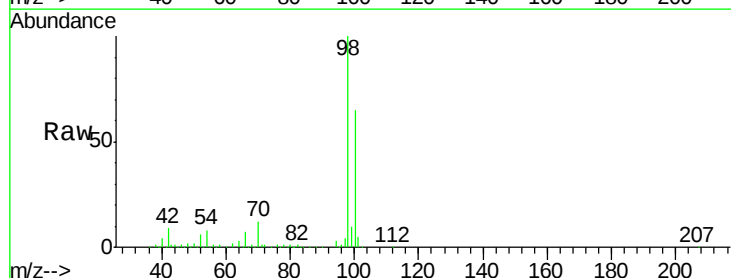


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

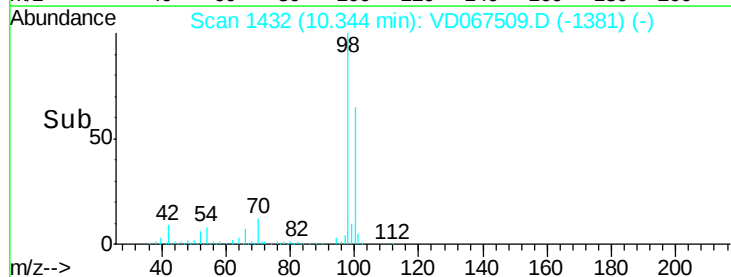
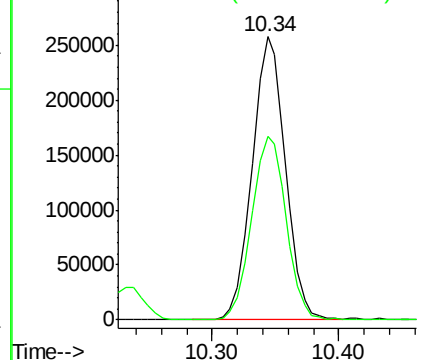


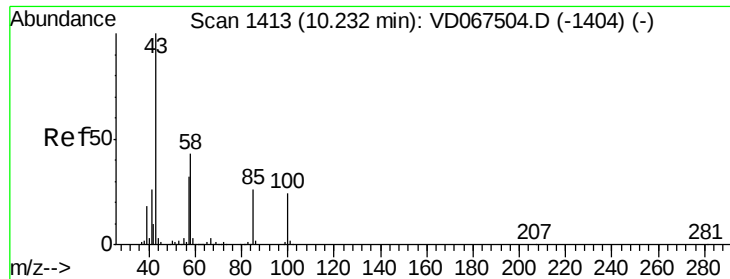
#50
Toluene-d8
Concen: 47.548 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 98 Resp: 469411
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

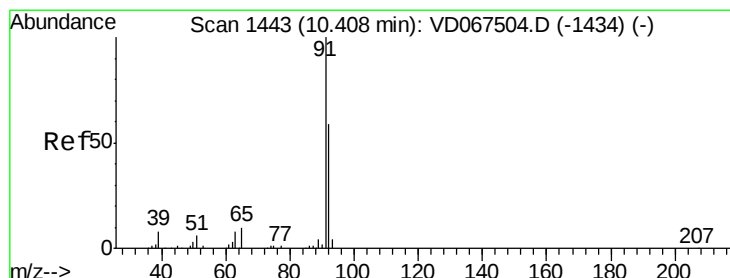
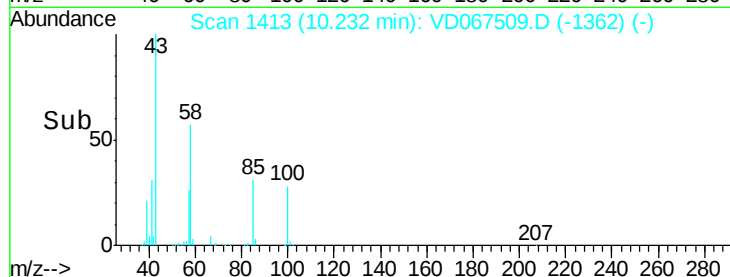
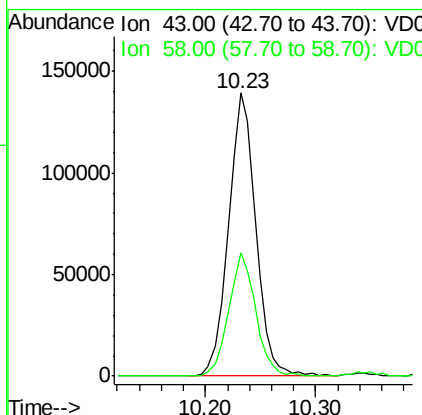
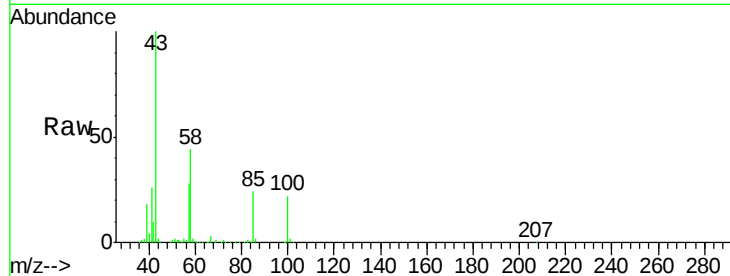




#51
4-Methyl-2-Pentanone
Concen: 246.961 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

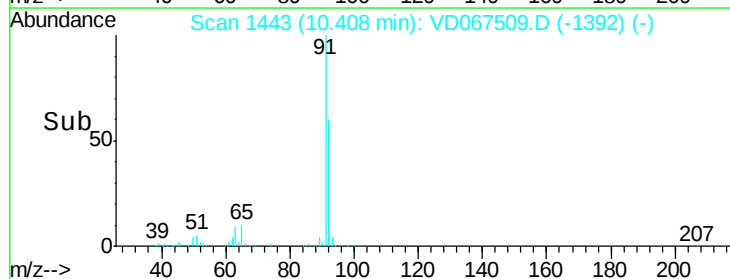
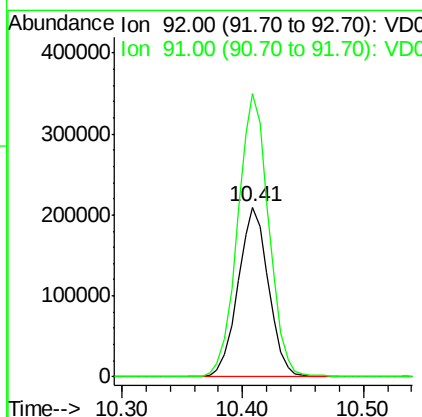
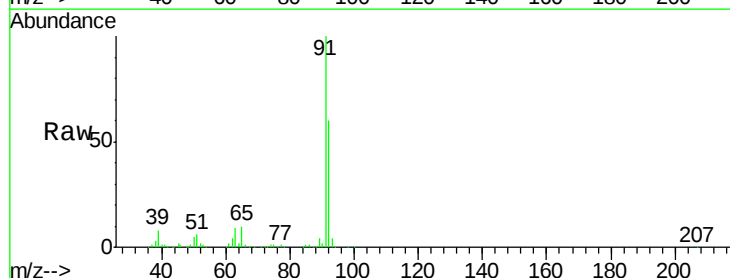
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

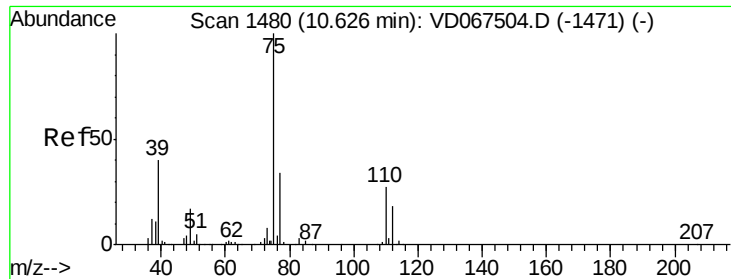
Tot Ion: 43 Resp: 242037
Ion Ratio Lower Upper
43 100
58 43.1 35.6 53.4



#52
Toluene
Concen: 50.885 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 92 Resp: 368473
Ion Ratio Lower Upper
92 100
91 171.0 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 49.858 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

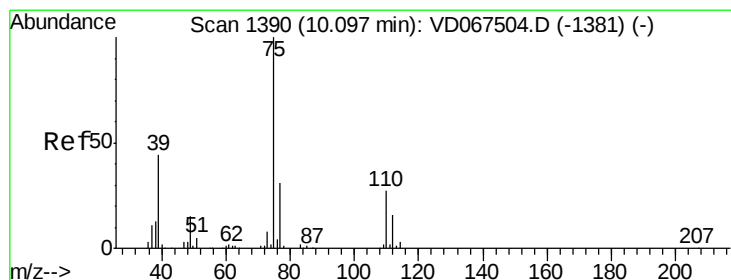
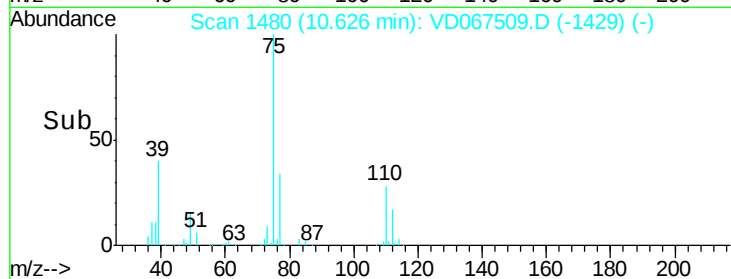
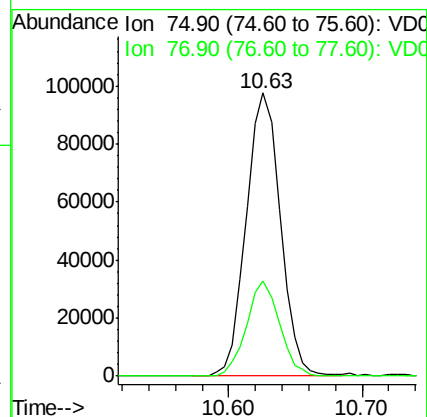
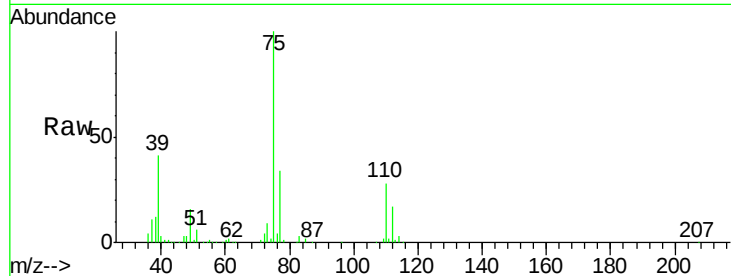
VSTDCCC050

Tot Ion: 75 Resp: 172492

Ion Ratio Lower Upper

75 100

77 33.6 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 49.106 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

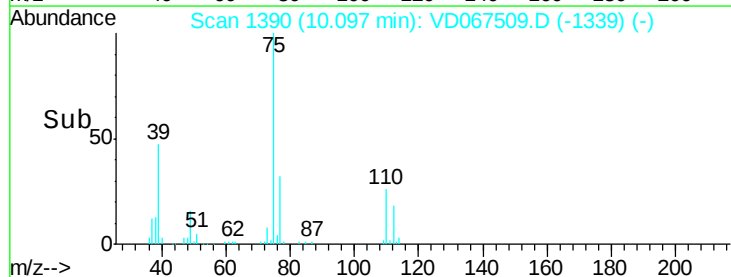
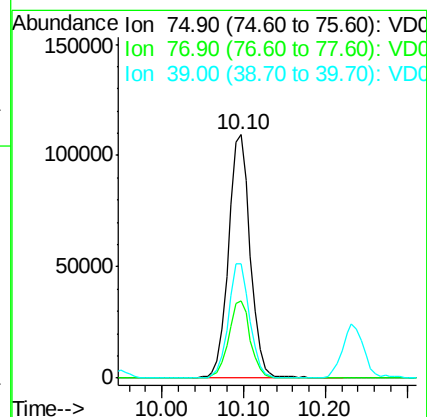
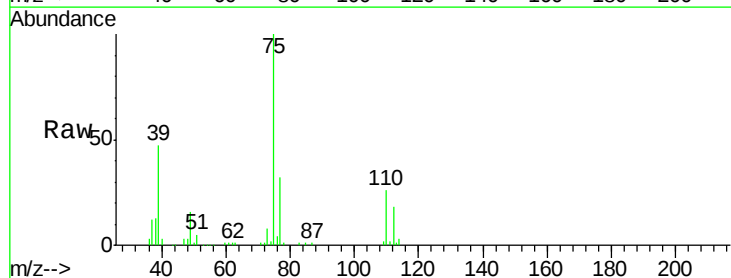
Tgt Ion: 75 Resp: 201849

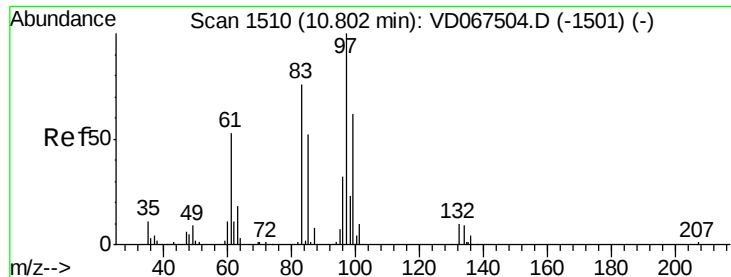
Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6

39 46.6 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 49.543 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

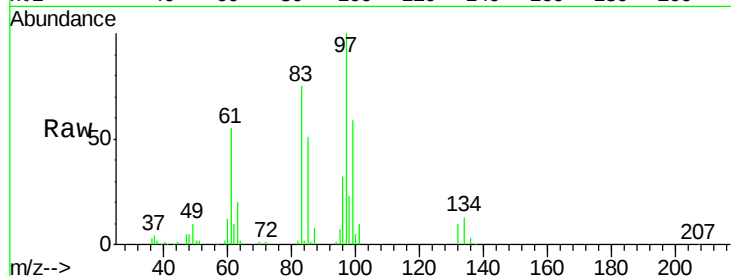
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 97423

Ion	Ratio	Lower	Upper
97	100		
83	74.9	61.0	91.6
85	50.6	41.5	62.3
99	59.4	49.4	74.2

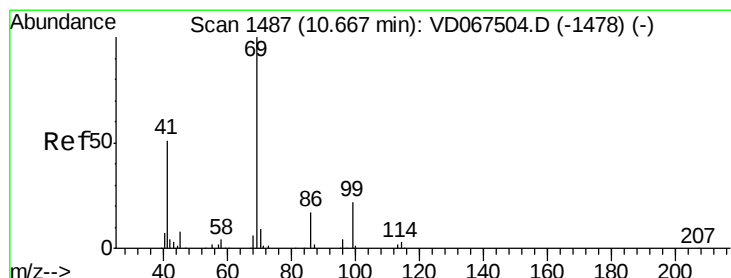
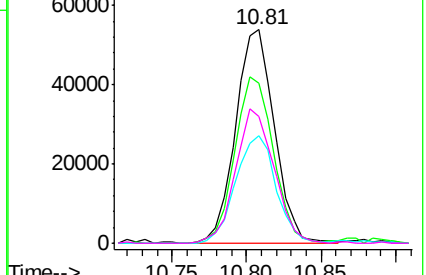
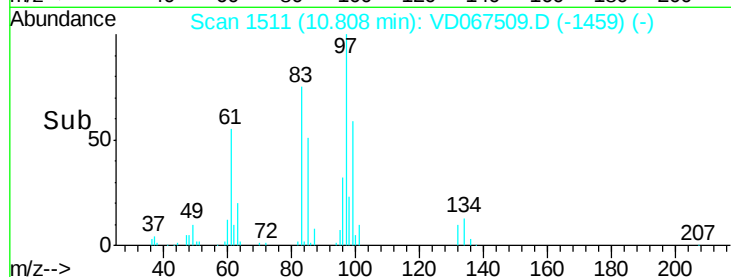


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.292 ug/l

RT: 10.67 min Scan# 1487

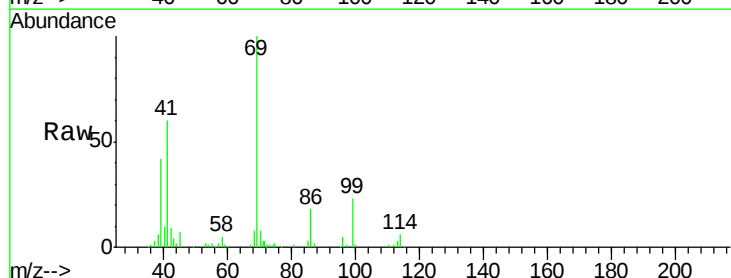
Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion: 69 Resp: 98066

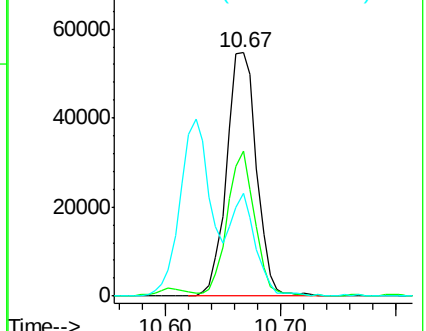
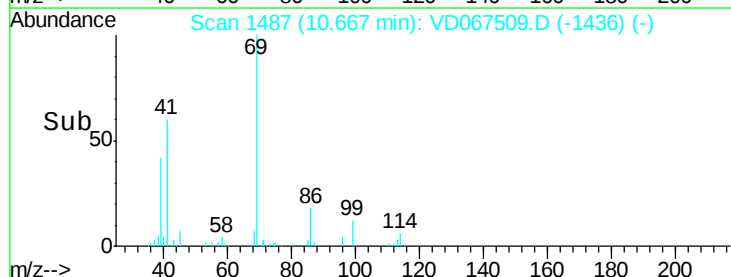
Ion	Ratio	Lower	Upper
69	100		
41	54.3	45.4	68.0
39	35.8	27.4	41.0

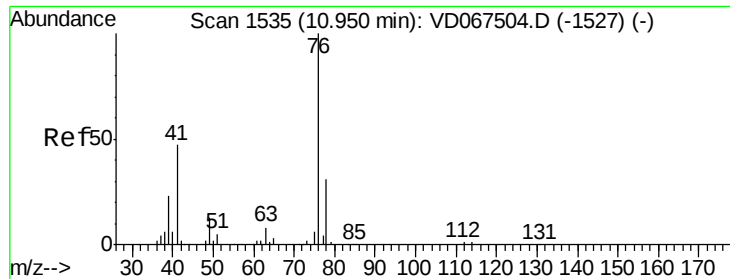


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.404 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

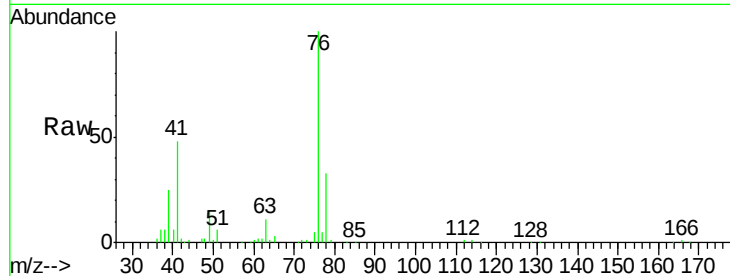
VSTDCCC050

Tot Ion: 76 Resp: 153167

Ion Ratio Lower Upper

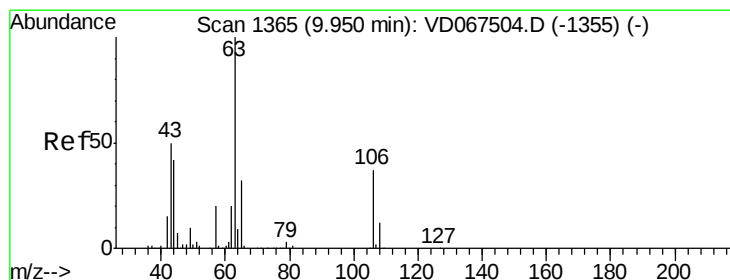
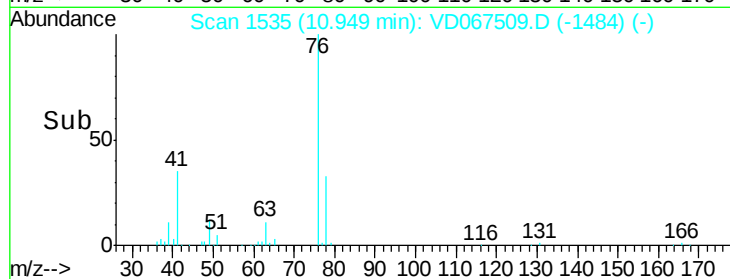
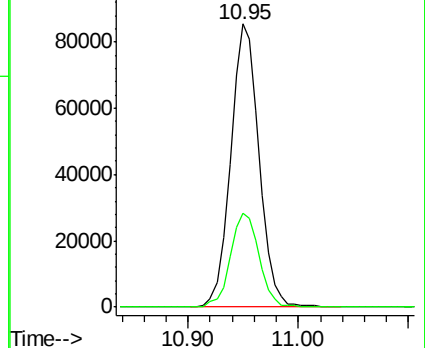
76 100

78 33.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 251.596 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067509.D

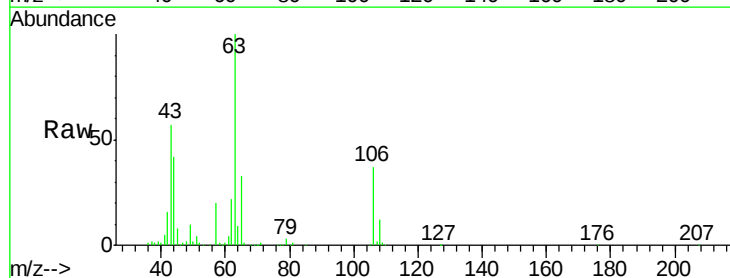
Acq: 04 Nov 2020 09:55

Tgt Ion: 63 Resp: 238253

Ion Ratio Lower Upper

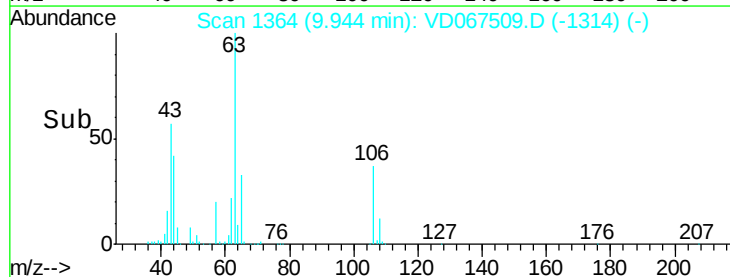
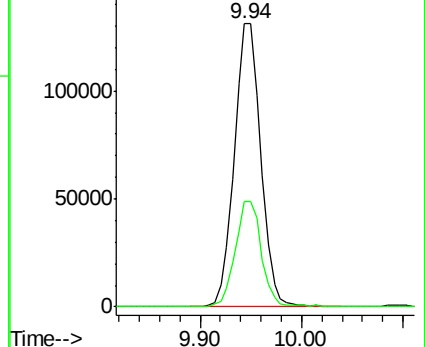
63 100

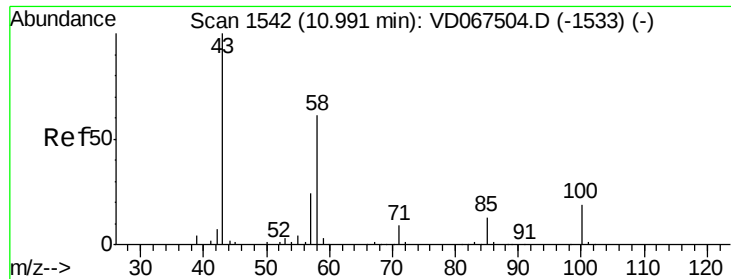
106 36.9 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

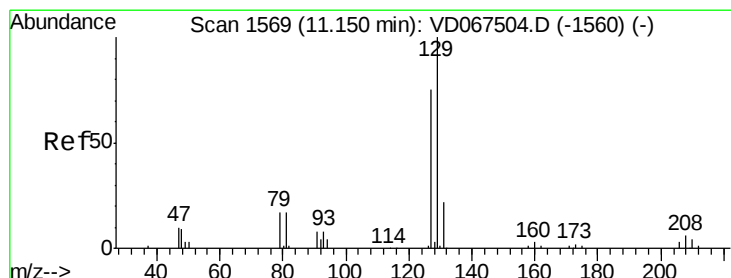
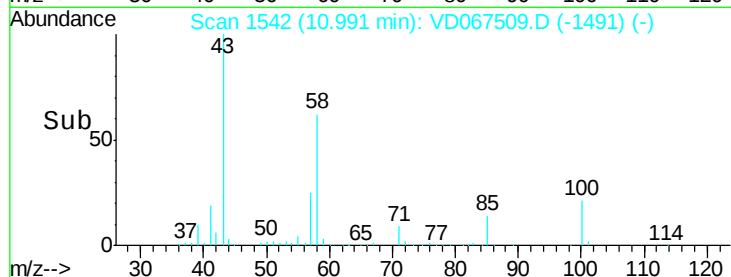
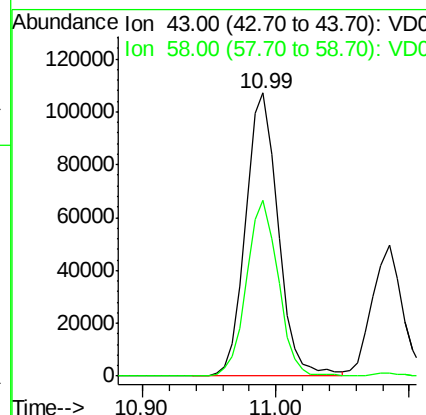
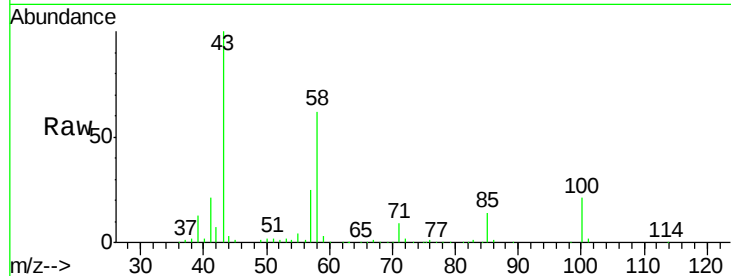




#59
2-Hexanone
Concen: 263.233 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

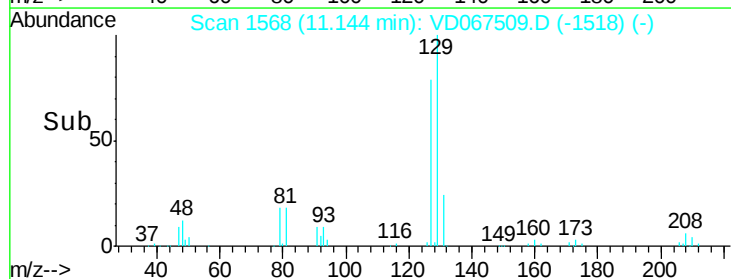
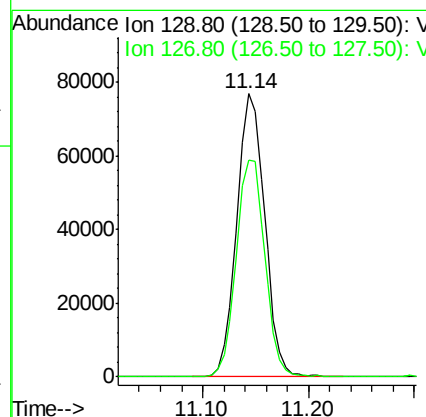
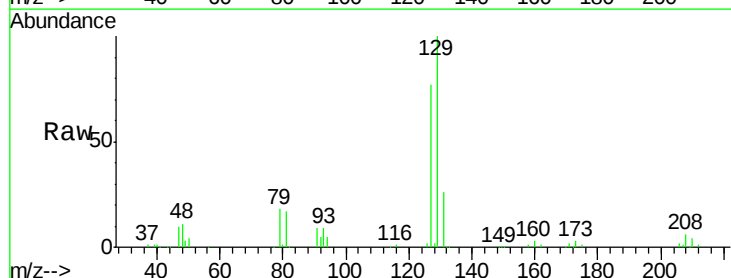
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

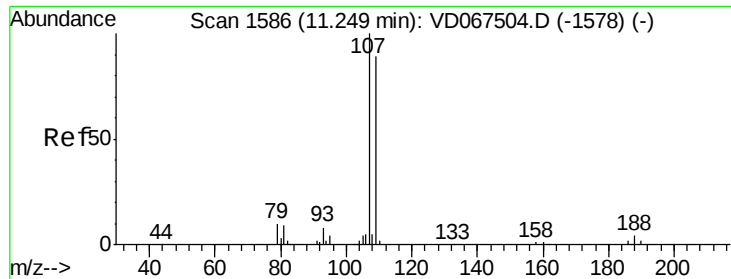
Tot Ion: 43 Resp: 180383
Ion Ratio Lower Upper
43 100
58 60.4 30.3 90.9



#60
Dibromochloromethane
Concen: 48.368 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 129 Resp: 140698
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 47.235 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

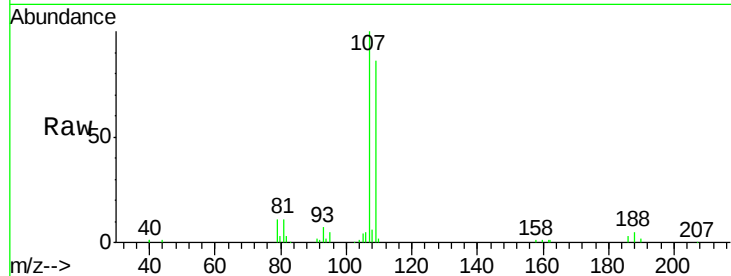
VSTDCCC050

Tot Ion:107 Resp: 93222

Ion Ratio Lower Upper

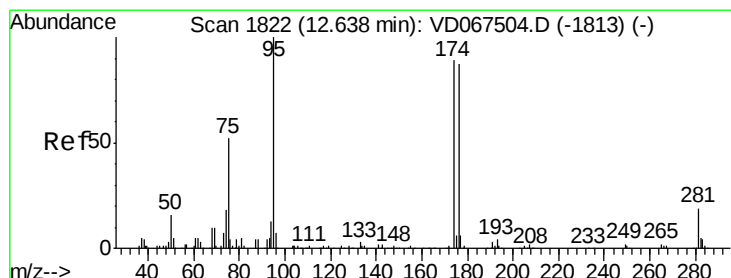
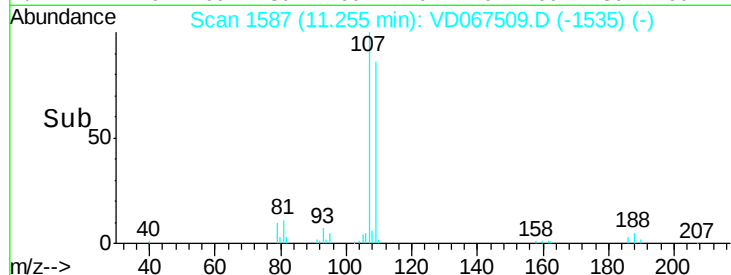
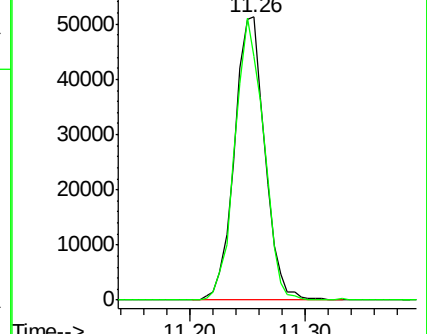
107 100

109 95.0 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.745 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

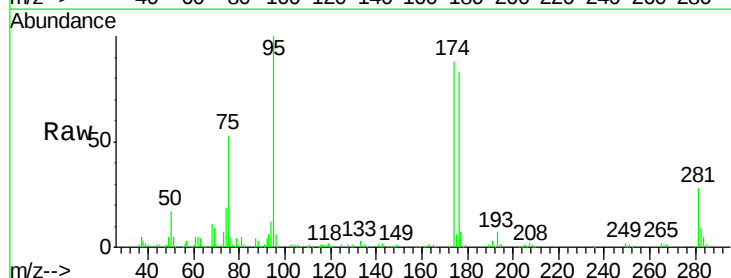
Tgt Ion: 95 Resp: 162733

Ion Ratio Lower Upper

95 100

174 89.2 0.0 177.8

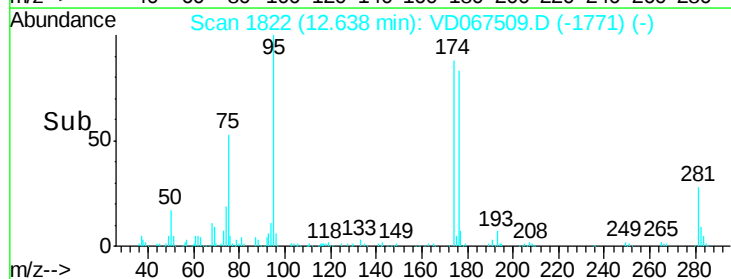
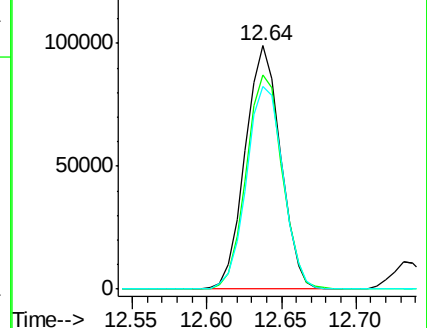
176 85.6 0.0 172.0

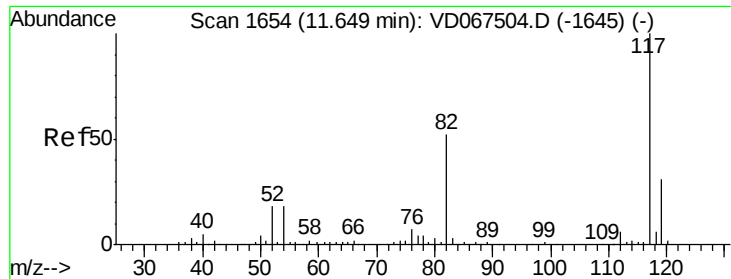


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

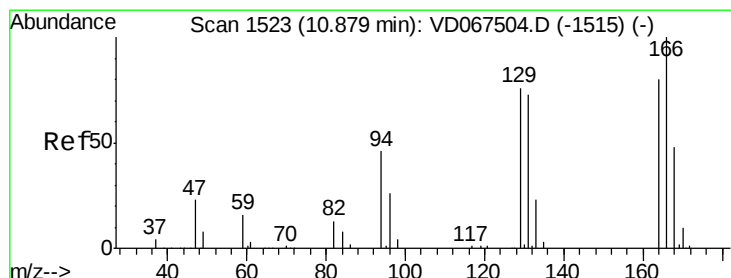
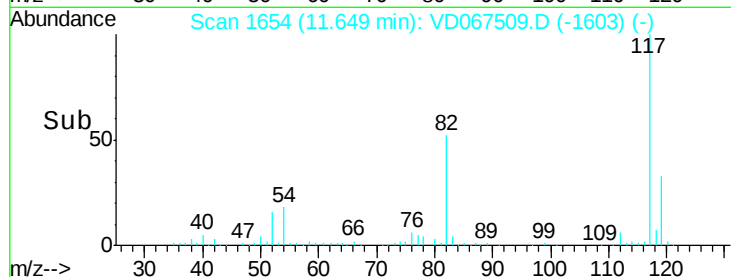
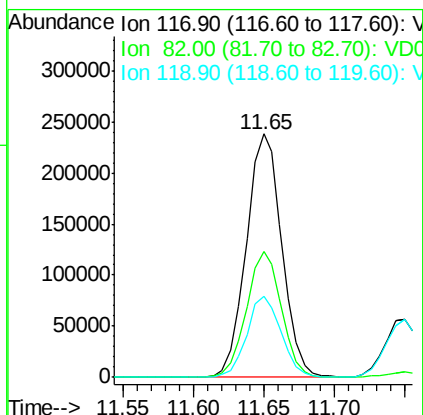
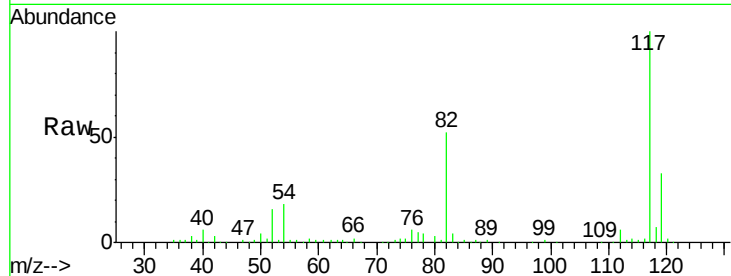




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

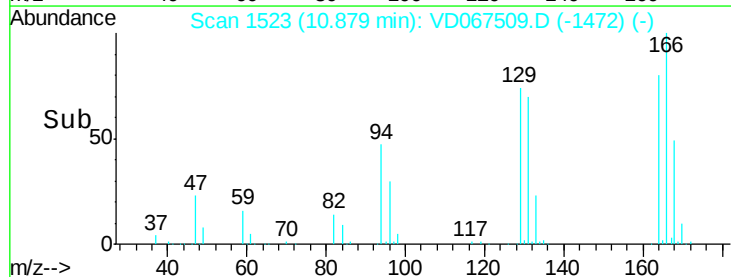
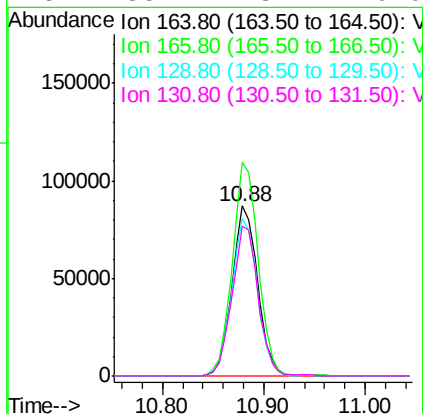
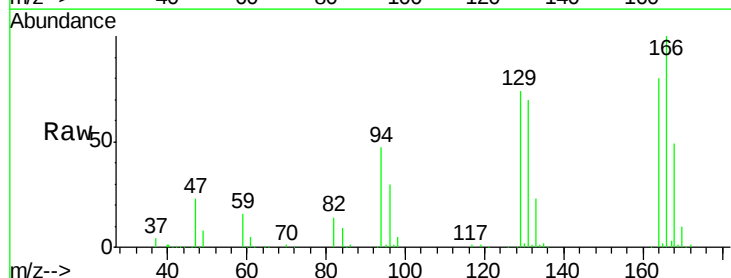
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

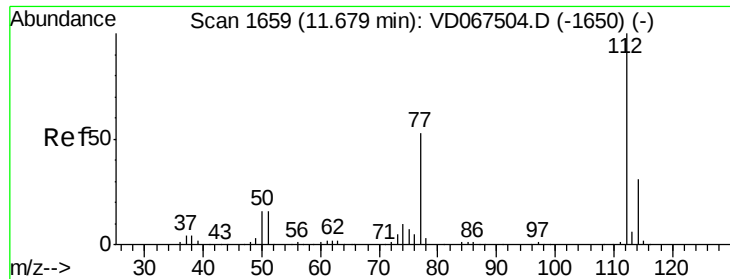
Tot Ion:117 Resp: 419042
Ion Ratio Lower Upper
117 100
82 51.5 41.6 62.4
119 33.4 25.1 37.7



#64
Tetrachloroethene
Concen: 49.335 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion:164 Resp: 153107
Ion Ratio Lower Upper
164 100
166 125.7 99.9 149.9
129 92.7 75.5 113.3
131 88.1 73.4 110.0

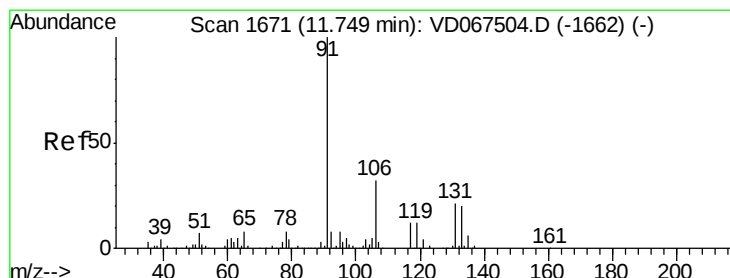
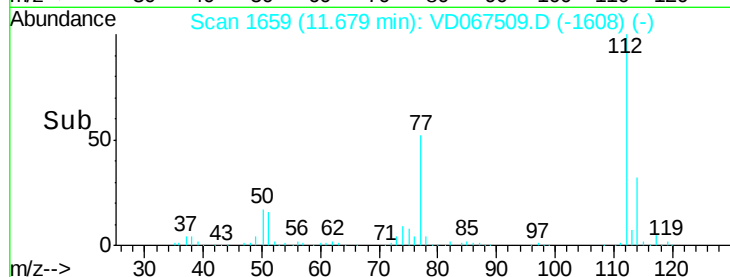
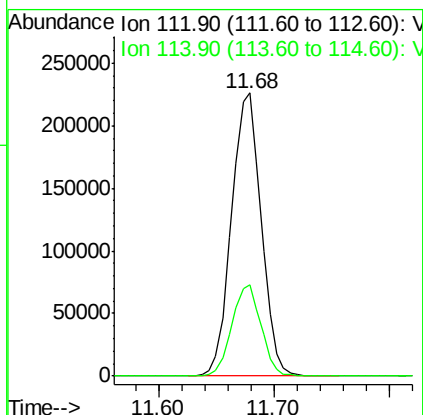
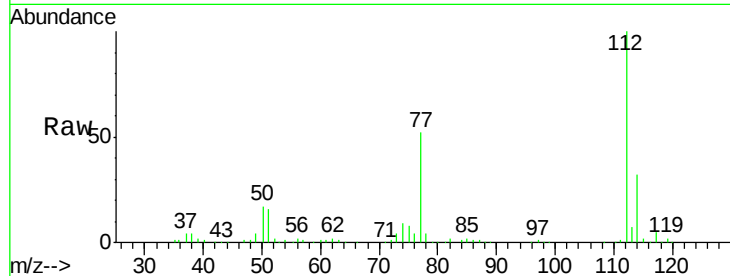




#65
Chlorobenzene
Concen: 49.888 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

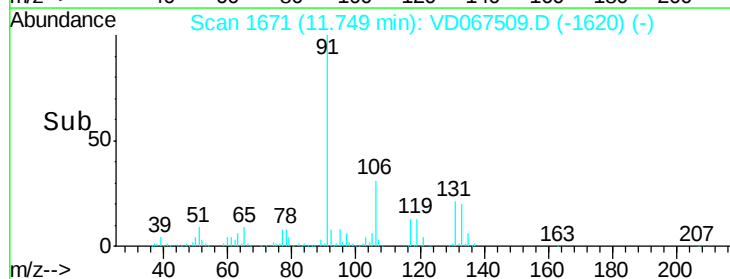
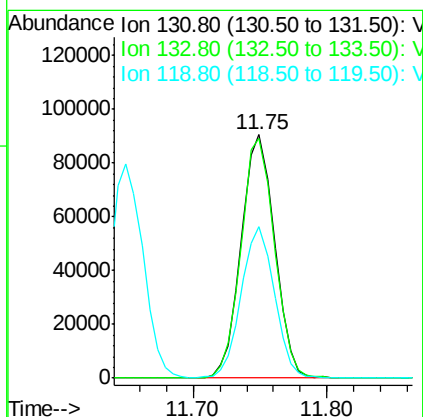
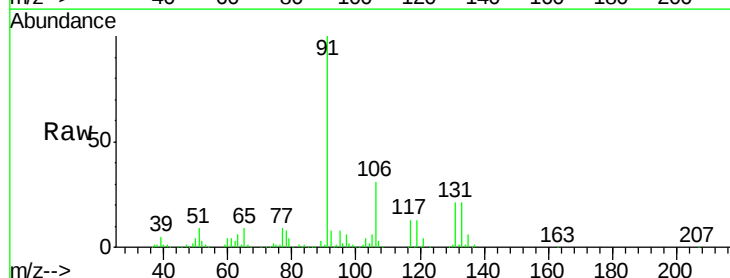
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

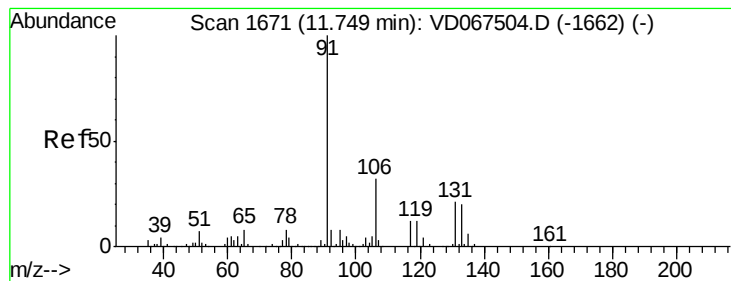
Tot Ion:112 Resp: 402692
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.390 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion:131 Resp: 157128
Ion Ratio Lower Upper
131 100
133 98.7 48.0 144.0
119 61.8 30.1 90.5





#67

Ethyl Benzene

Concen: 51.642 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

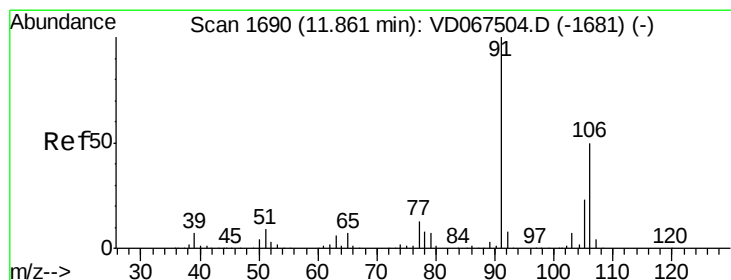
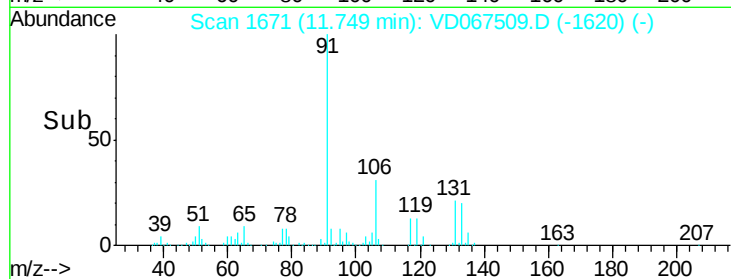
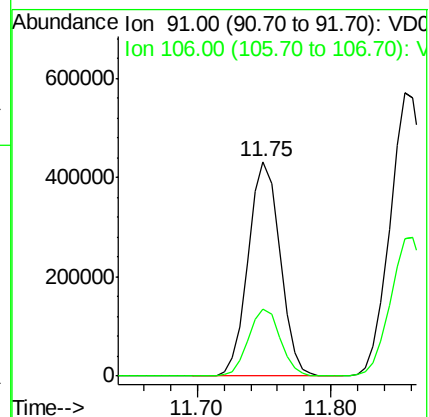
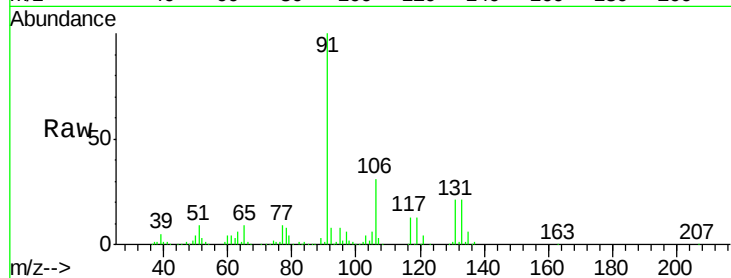
VSTDCCC050

Tot Ion: 91 Resp: 713314

Ion Ratio Lower Upper

91 100

106 31.2 25.7 38.5



#68

m/p-Xylenes

Concen: 101.770 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067509.D

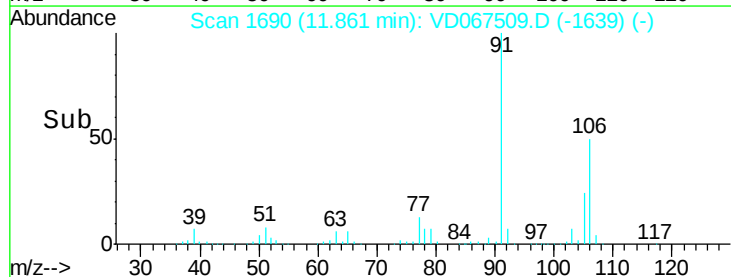
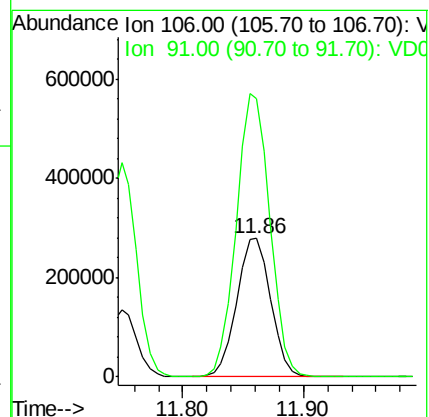
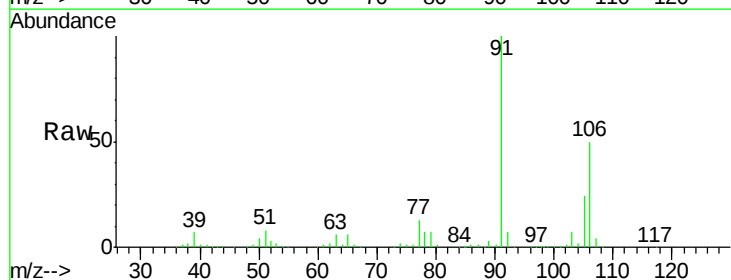
Acq: 04 Nov 2020 09:55

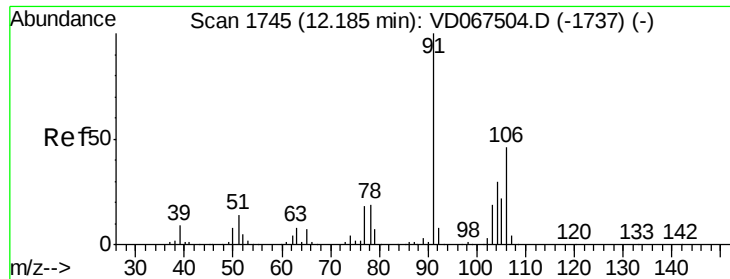
Tgt Ion: 106 Resp: 546882

Ion Ratio Lower Upper

106 100

91 201.9 162.6 244.0

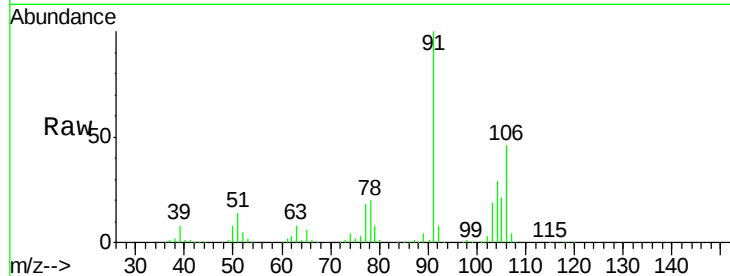




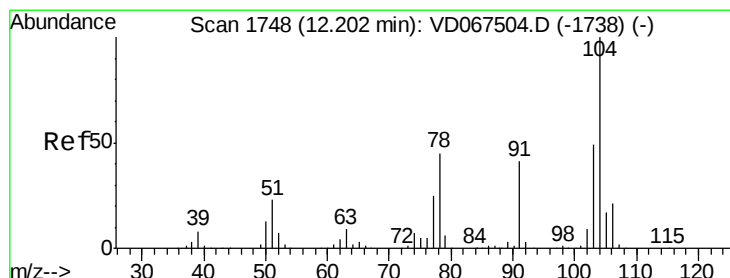
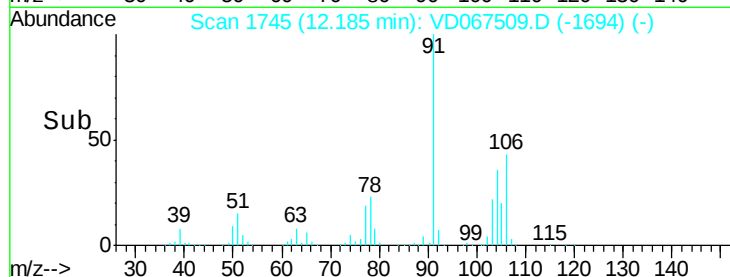
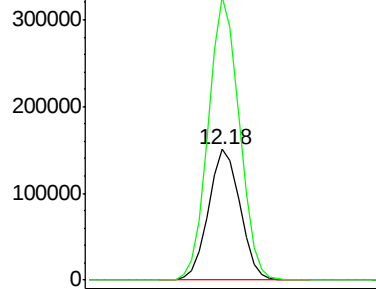
#69
o-Xylene
Concen: 51.513 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 247150
Ion Ratio Lower Upper
106 100
91 212.4 107.1 321.1

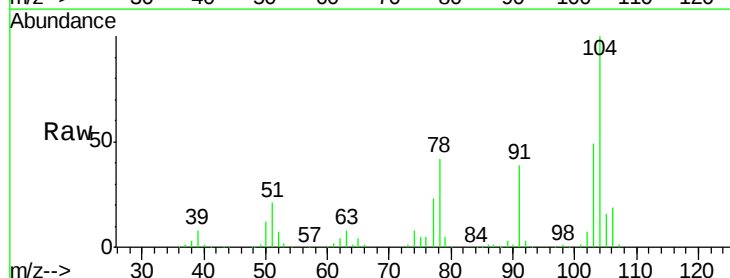


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

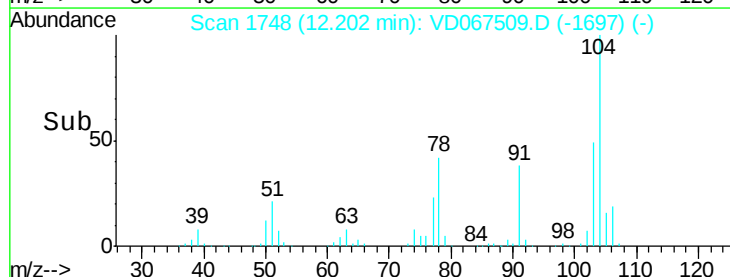
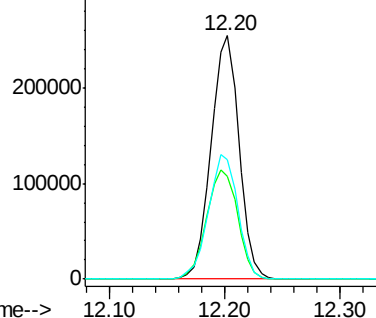


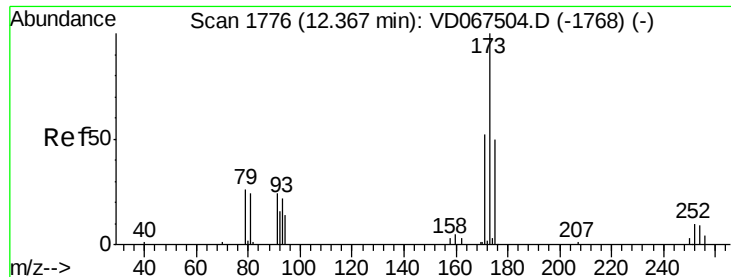
#70
Styrene
Concen: 51.348 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion:104 Resp: 429279
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.8
103 54.1 43.9 65.9



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





#71

Bromoform

Concen: 48.135 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

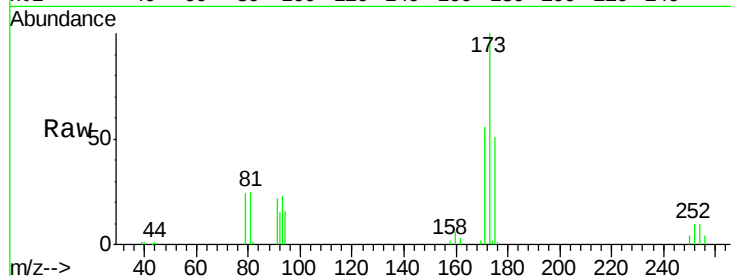
Tot Ion:173 Resp: 78101

Ion Ratio Lower Upper

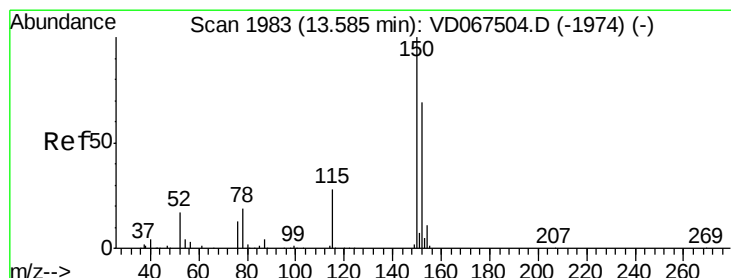
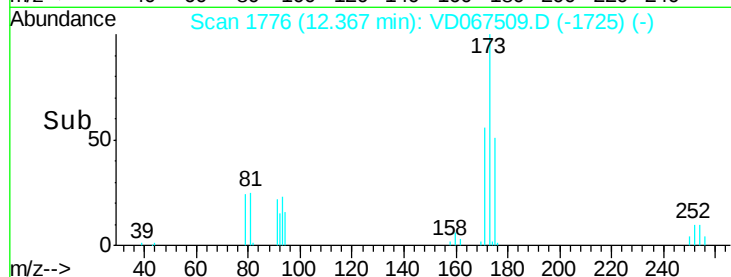
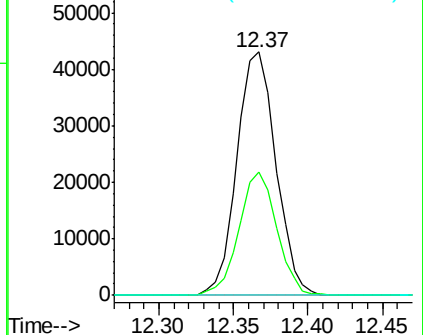
173 100

175 49.3 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

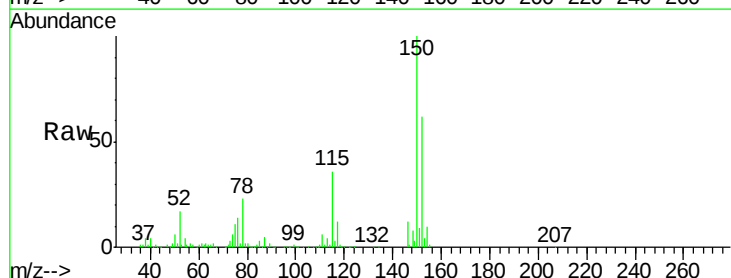
Tgt Ion:152 Resp: 208276

Ion Ratio Lower Upper

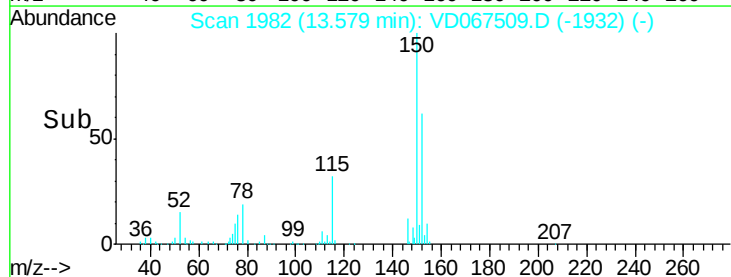
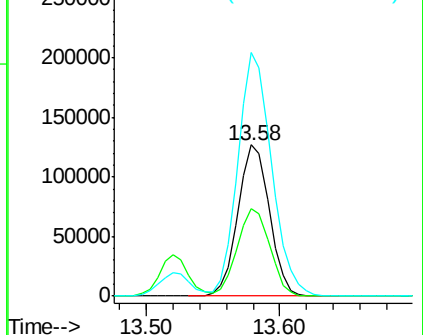
152 100

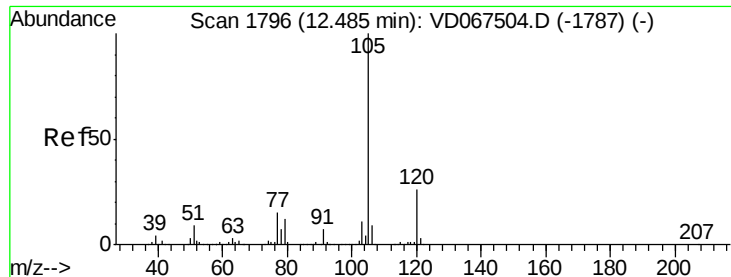
115 59.3 29.3 88.0

150 171.9 0.0 338.2



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





#73

Isopropylbenzene

Concen: 51.552 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

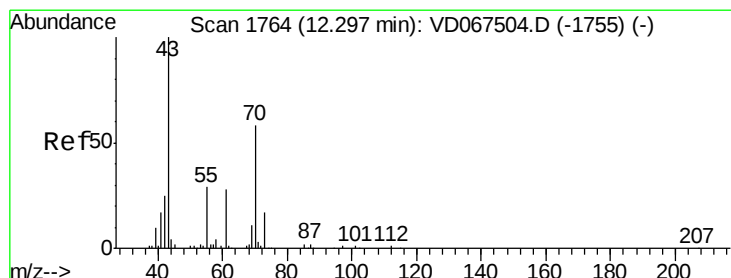
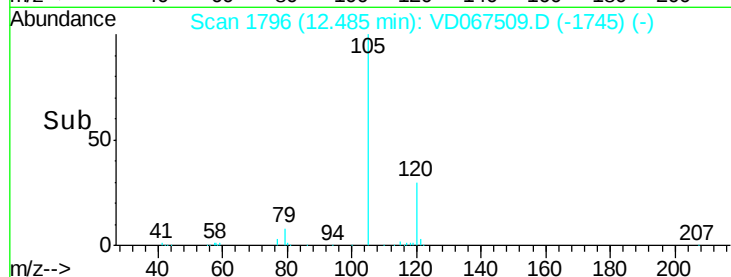
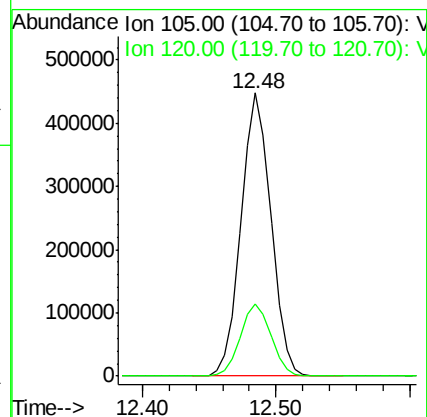
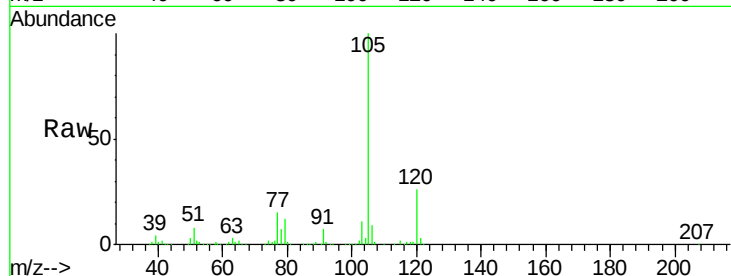
VSTDCCC050

Tot Ion:105 Resp: 693918

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 48.664 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion: 43 Resp: 86194

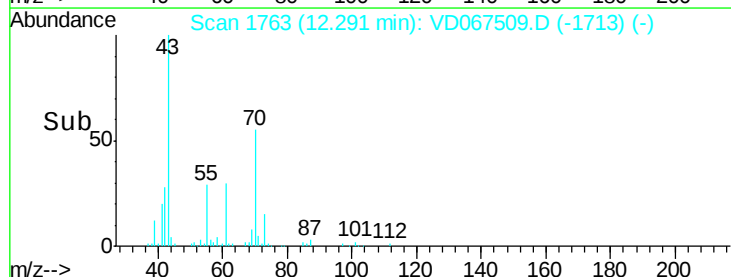
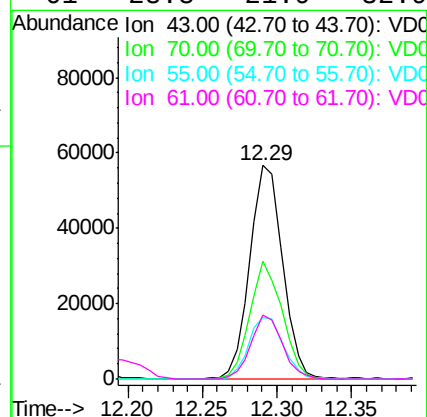
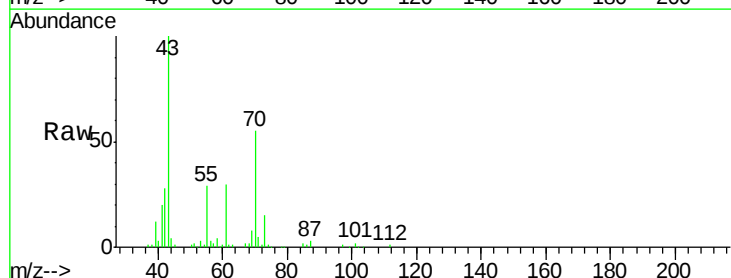
Ion Ratio Lower Upper

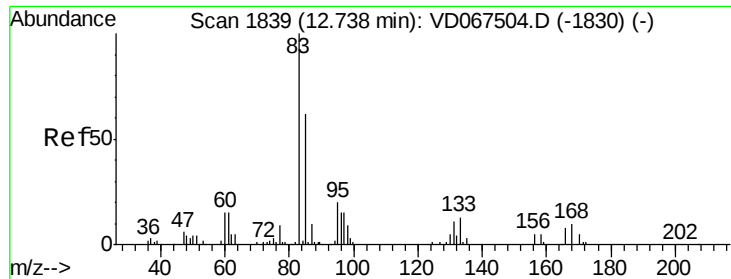
43 100

70 54.2 42.6 64.0

55 30.7 23.7 35.5

61 28.8 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.098 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

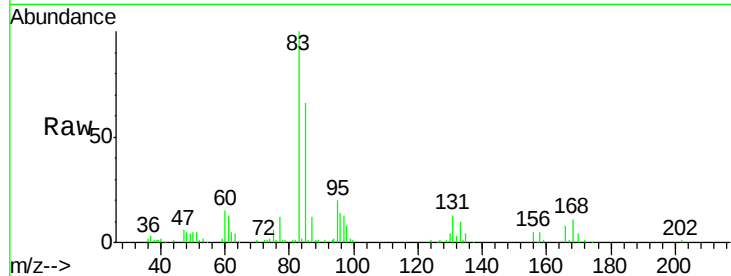
Tot Ion: 83 Resp: 88283

Ion Ratio Lower Upper

83 100

131 13.8 7.1 21.3

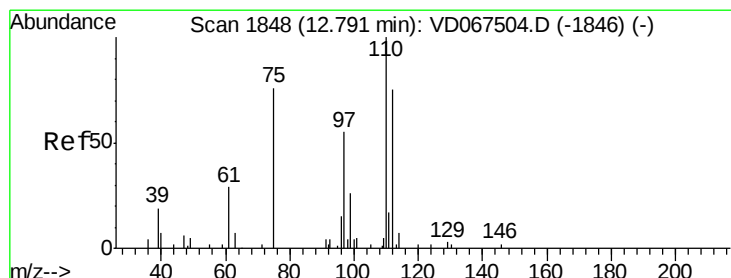
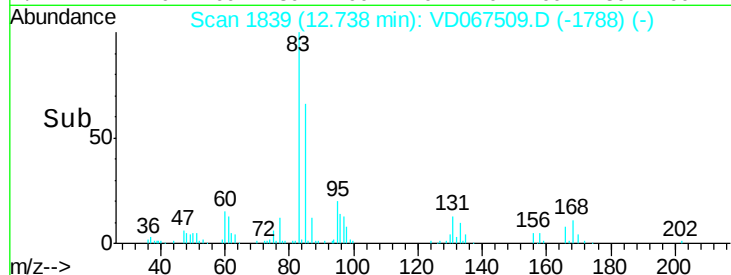
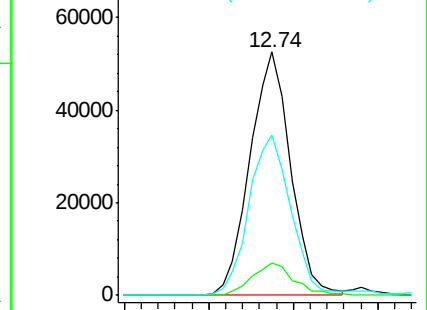
85 67.3 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 99.781 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067509.D

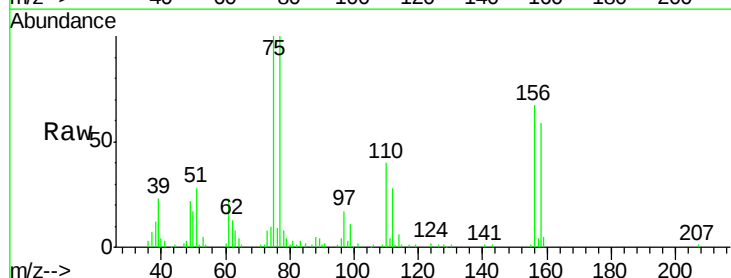
Acq: 04 Nov 2020 09:55

Tgt Ion: 75 Resp: 125369

Ion Ratio Lower Upper

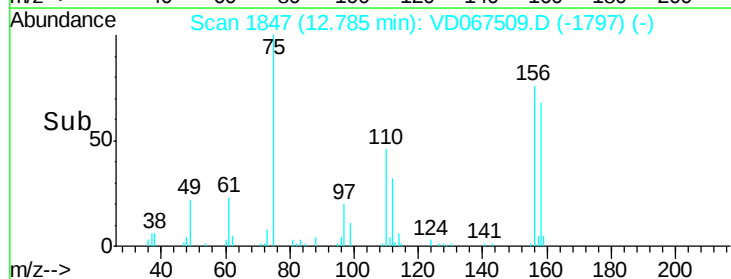
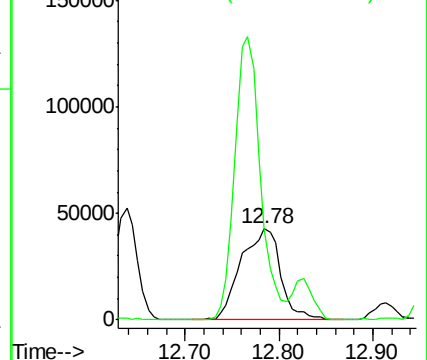
75 100

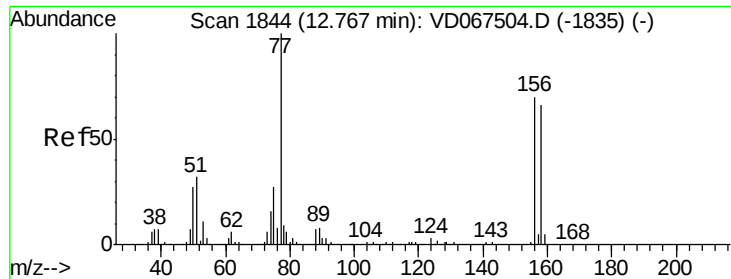
77 203.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.613 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

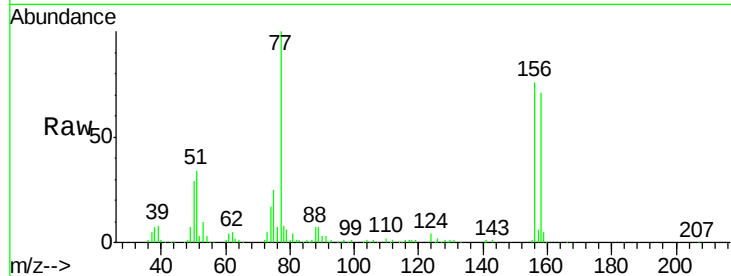
Tot Ion:156 Resp: 167312

Ion Ratio Lower Upper

156 100

77 152.3 77.8 233.5

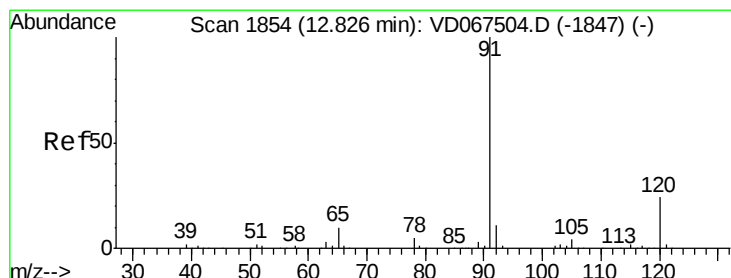
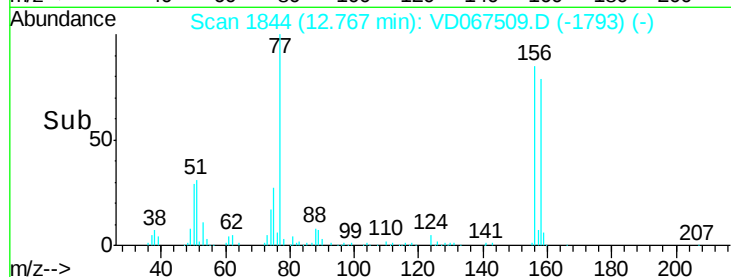
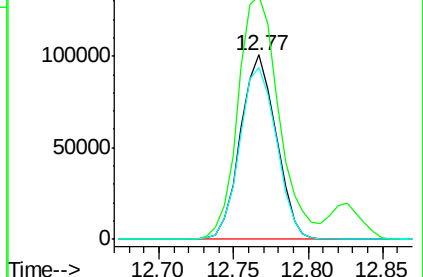
158 95.6 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.765 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067509.D

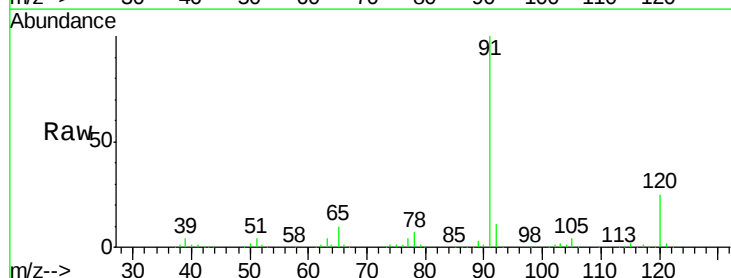
Acq: 04 Nov 2020 09:55

Tgt Ion: 91 Resp: 797000

Ion Ratio Lower Upper

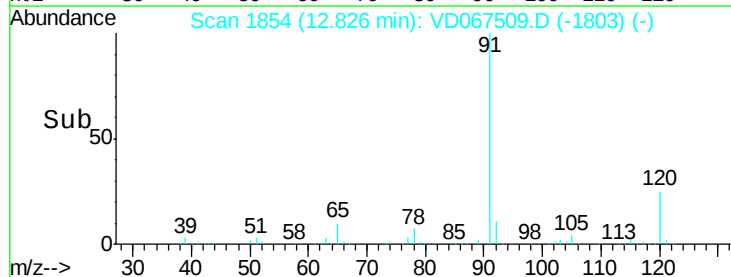
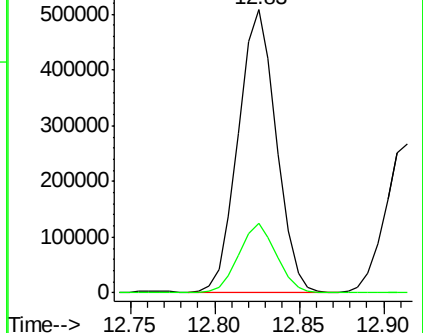
91 100

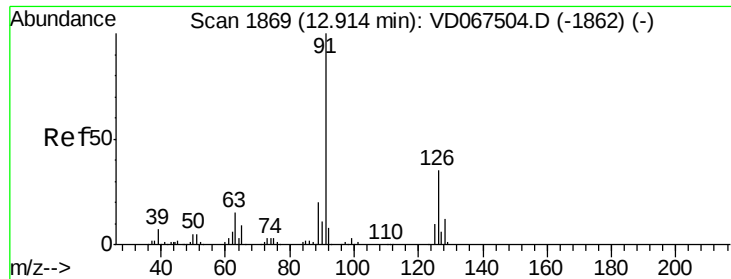
120 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

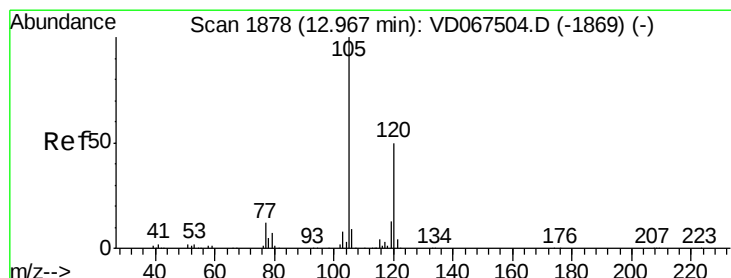
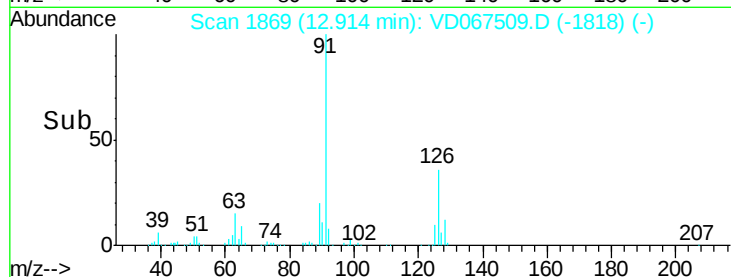
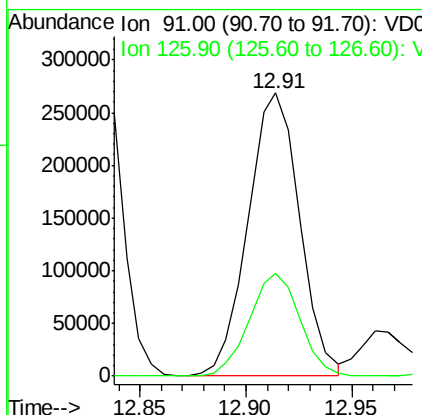
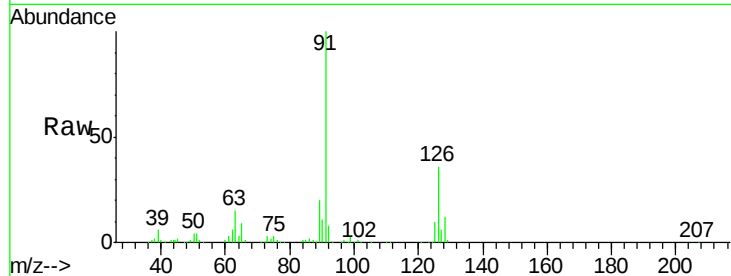




#79
2-Chlorotoluene
Concen: 52.034 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

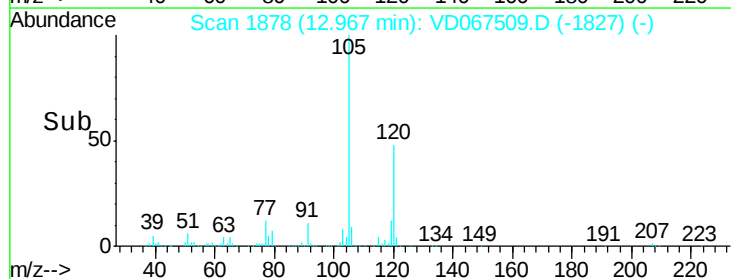
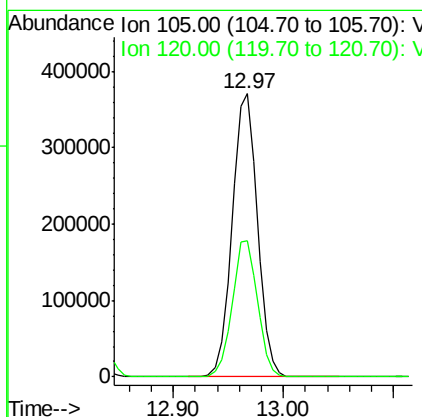
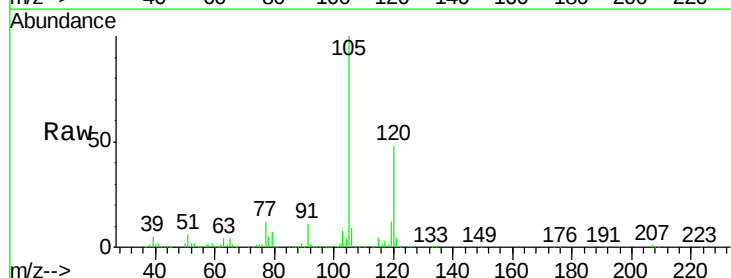
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

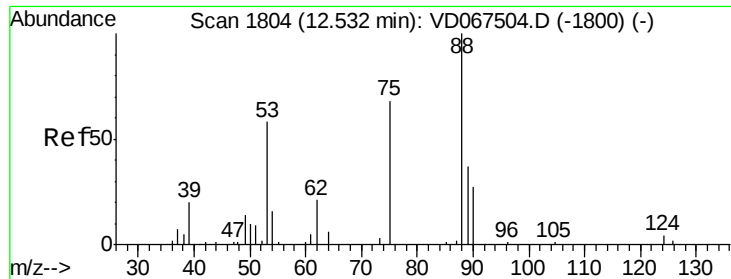
Tot Ion: 91 Resp: 455087
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.4



#80
1,3,5-Trimethylbenzene
Concen: 51.819 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 105 Resp: 595852
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8

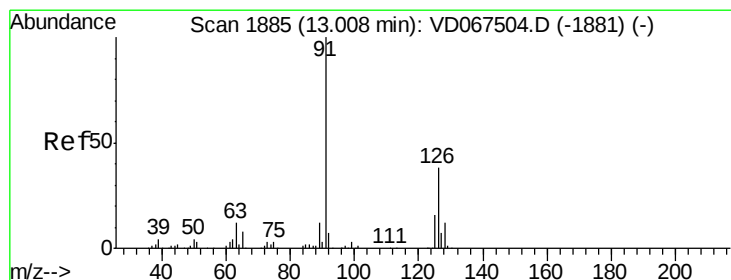
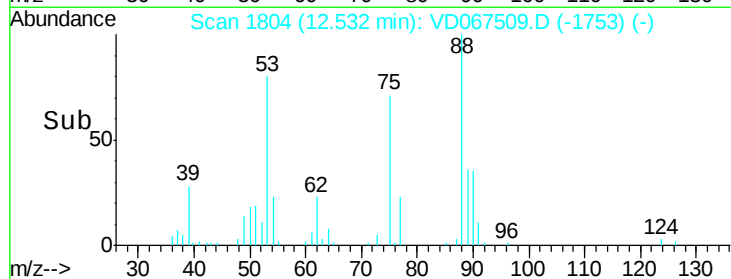
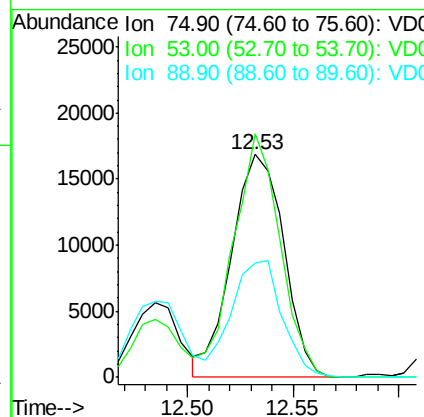
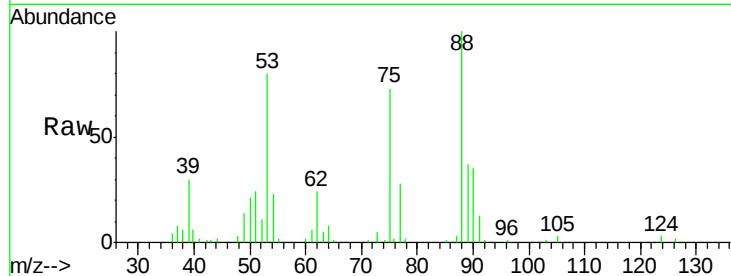




#81
trans-1,4-Dichloro-2-butene
Concen: 46.660 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

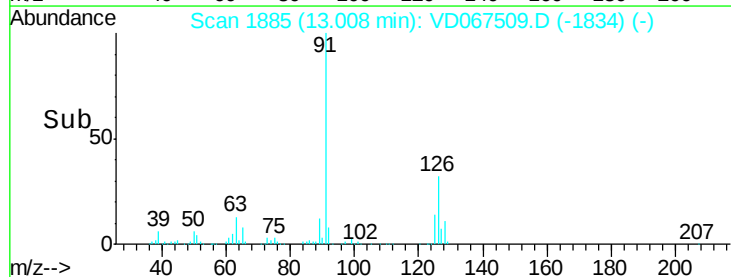
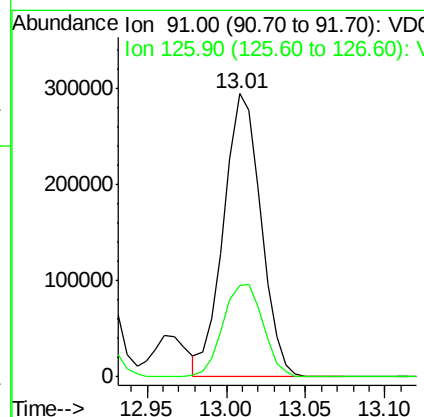
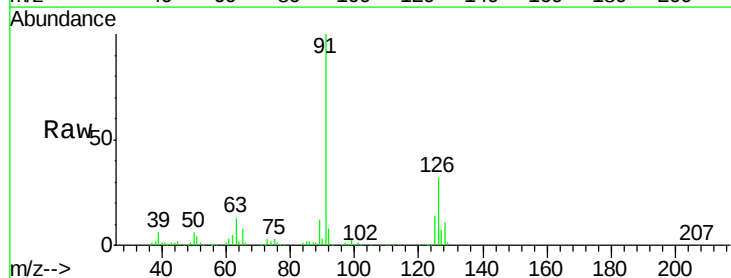
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

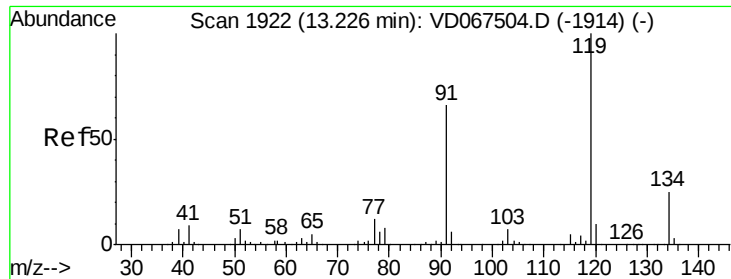
Tot Ion: 75 Resp: 28876
Ion Ratio Lower Upper
75 100
53 97.7 75.9 113.9
89 50.7 44.6 67.0



#82
4-Chlorotoluene
Concen: 51.450 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 91 Resp: 482601
Ion Ratio Lower Upper
91 100
126 35.2 17.9 53.7

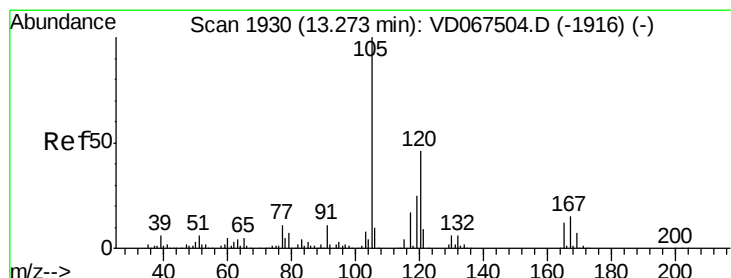
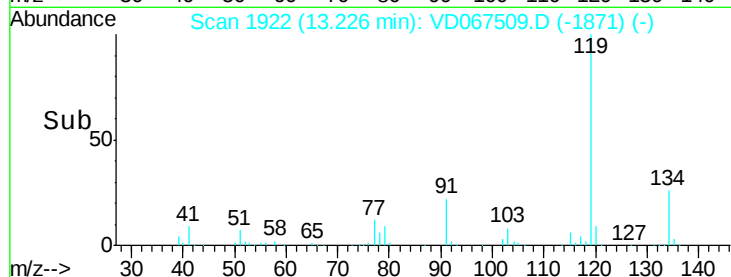
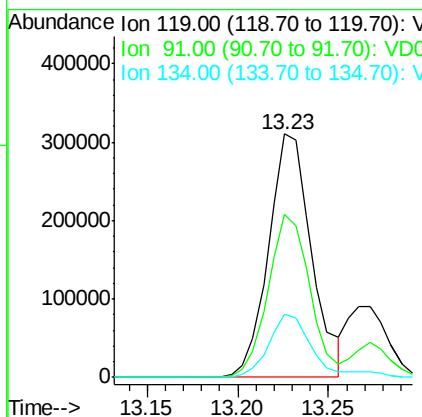
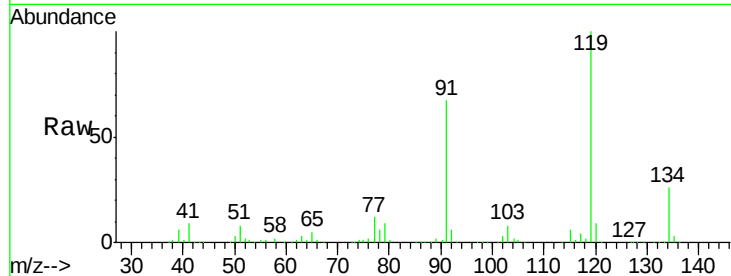




#83
tert-Butylbenzene
Concen: 52.642 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

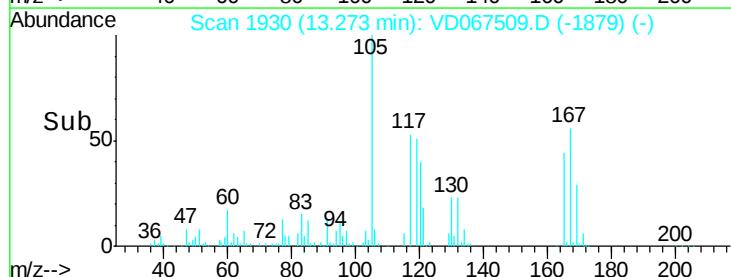
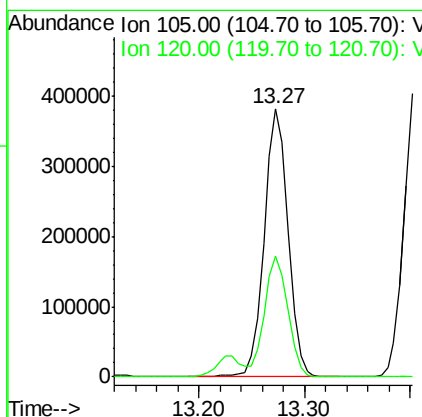
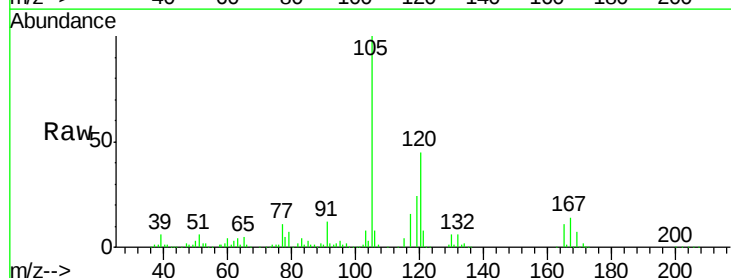
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

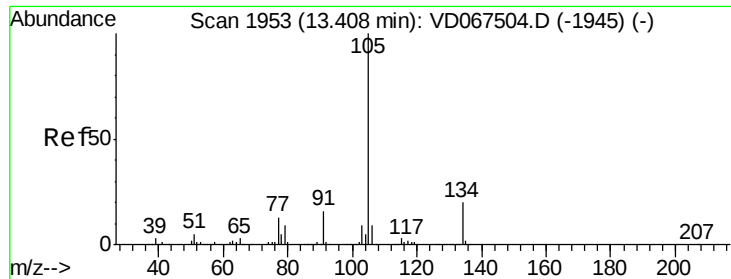
Tot Ion:119 Resp: 513005
Ion Ratio Lower Upper
119 100
91 64.9 32.7 98.1
134 26.7 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 52.096 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion:105 Resp: 596282
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.984 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

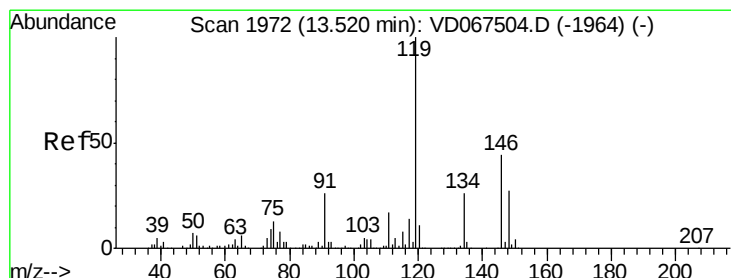
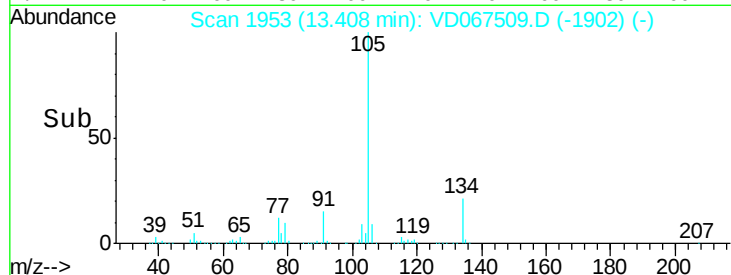
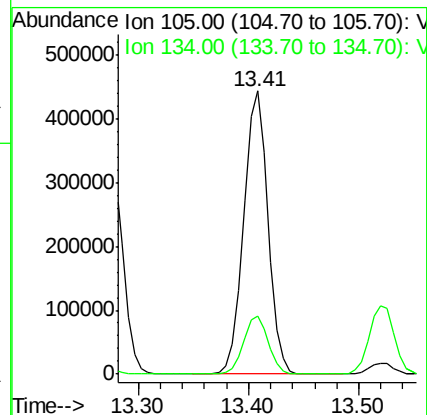
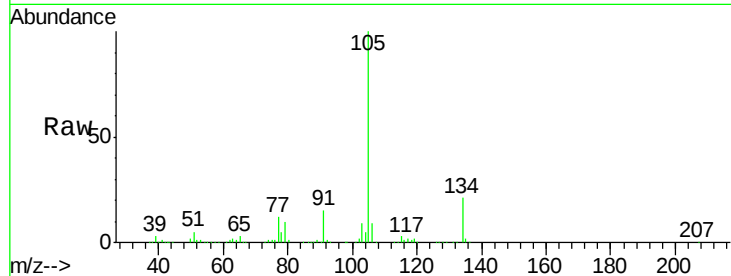
VSTDCCC050

Tot Ion:105 Resp: 683876

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4



#86

p-Isopropyltoluene

Concen: 51.686 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

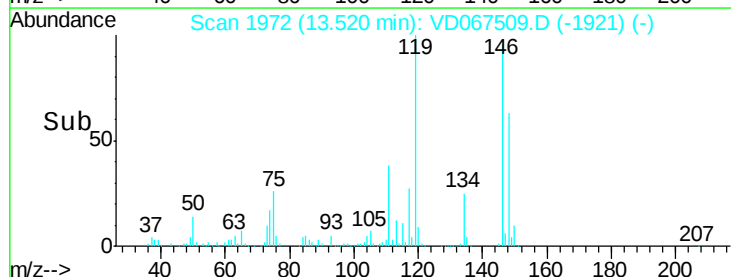
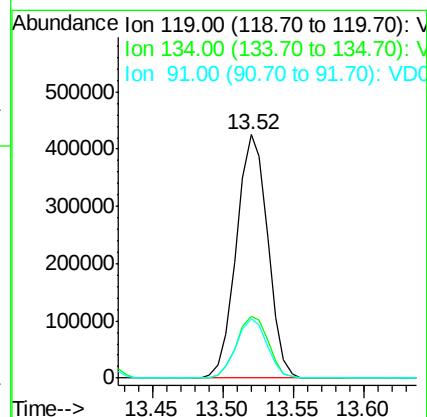
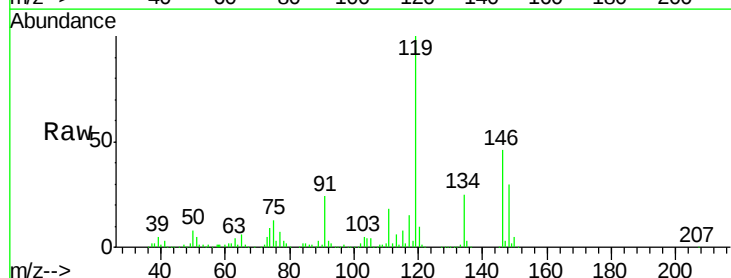
Tgt Ion:119 Resp: 656611

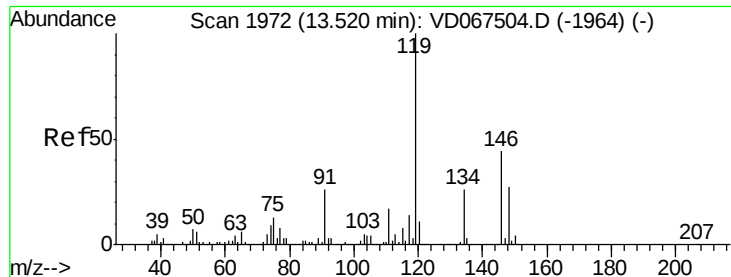
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 50.085 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

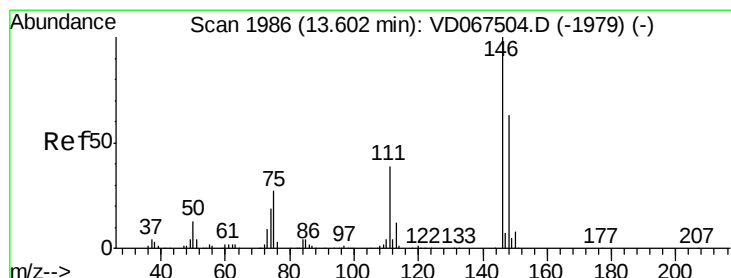
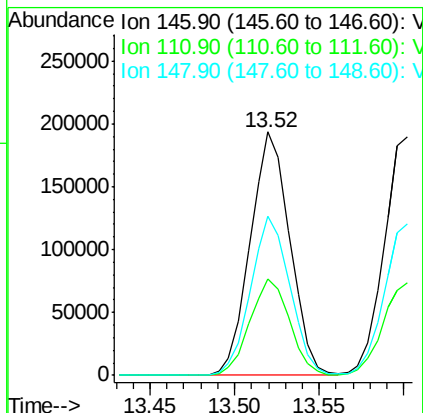
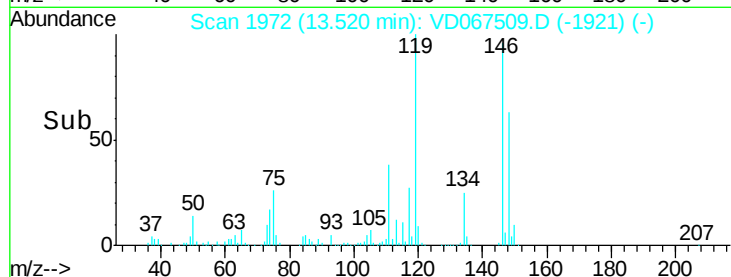
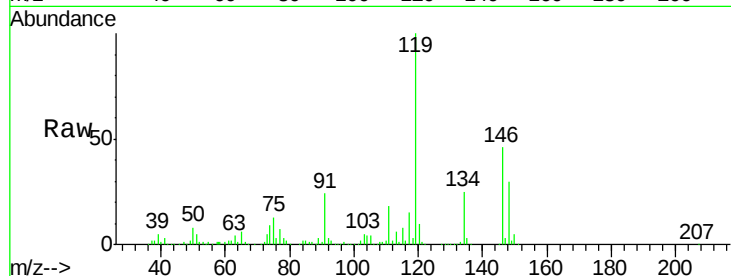
Tot Ion:146 Resp: 315924

Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.8

148 64.7 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 48.871 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

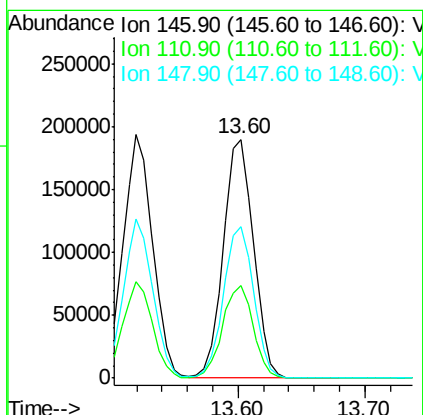
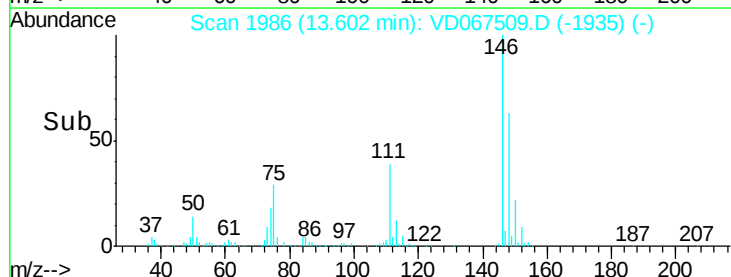
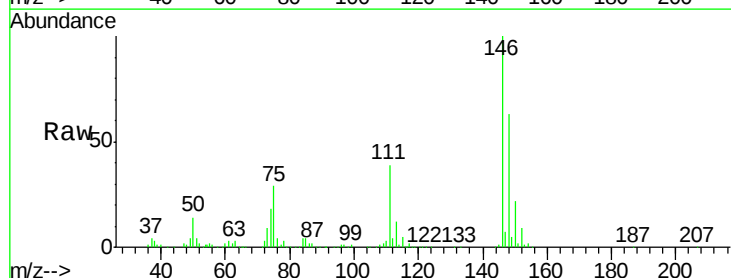
Tgt Ion:146 Resp: 312142

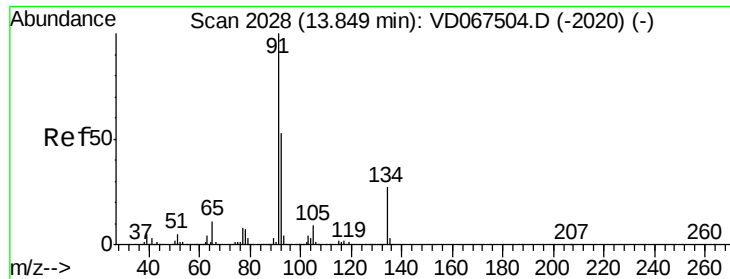
Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

148 63.8 31.8 95.4

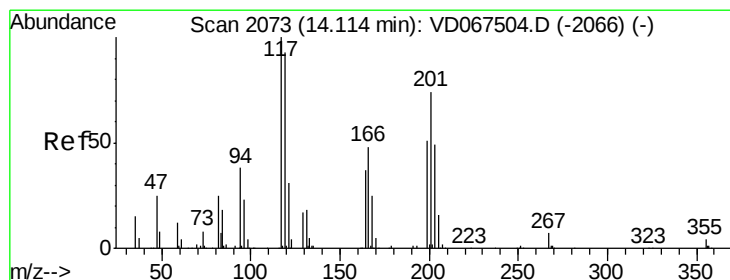
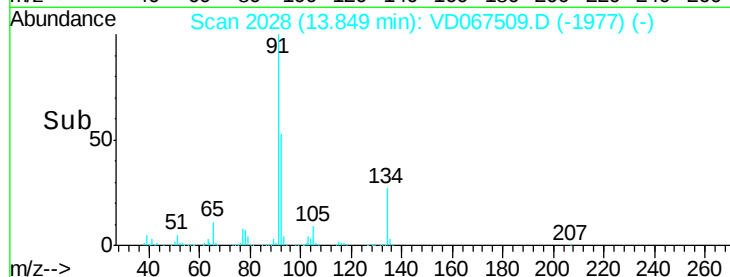
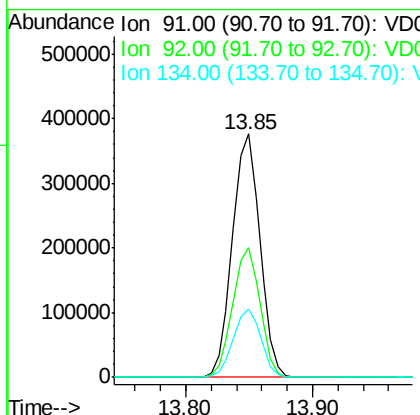
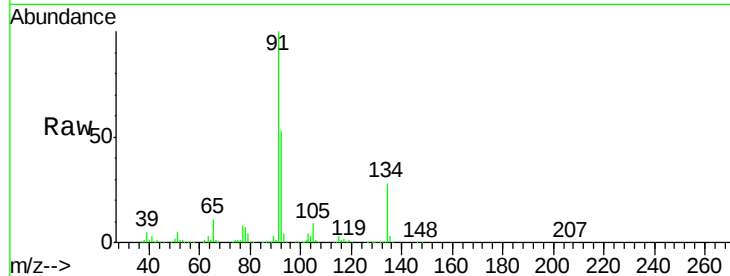




#89
n-Butylbenzene
Concen: 51.525 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

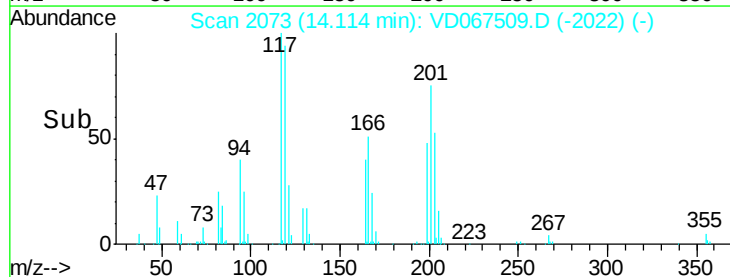
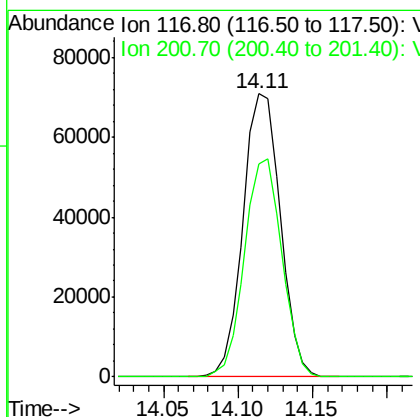
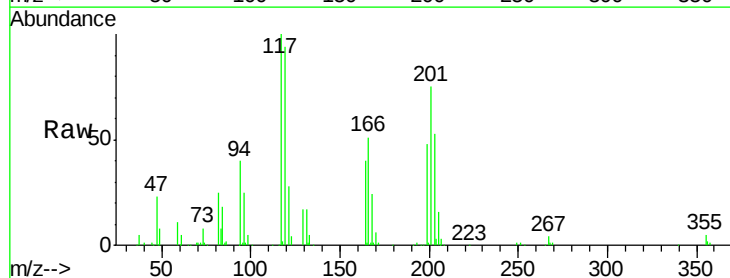
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

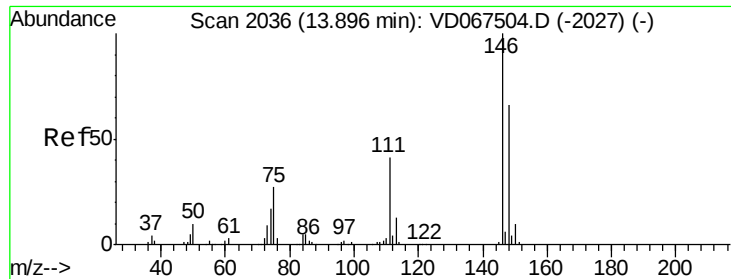
Tot Ion: 91 Resp: 565388
Ion Ratio Lower Upper
91 100
92 52.7 26.6 79.8
134 28.0 14.1 42.2



#90
Hexachloroethane
Concen: 51.337 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 117 Resp: 122816
Ion Ratio Lower Upper
117 100
201 77.2 40.7 122.1

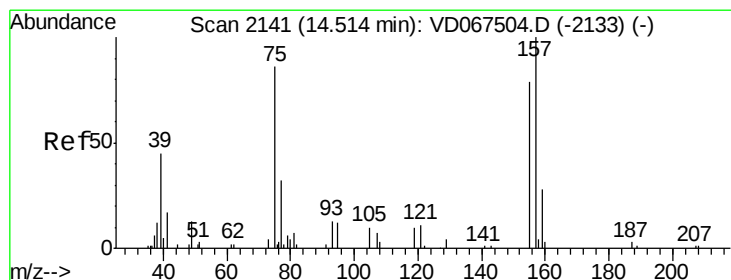
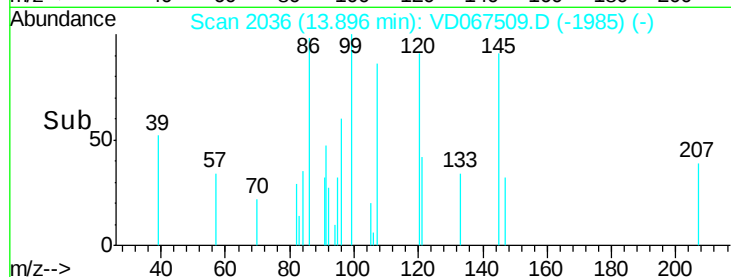
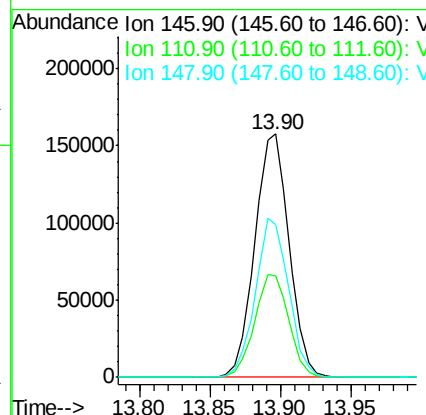
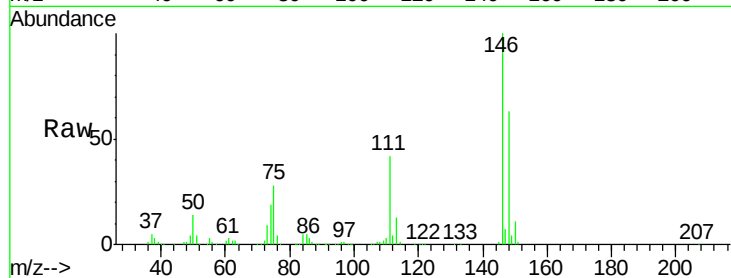




#91
 1,2-Dichlorobenzene
 Concen: 49.283 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

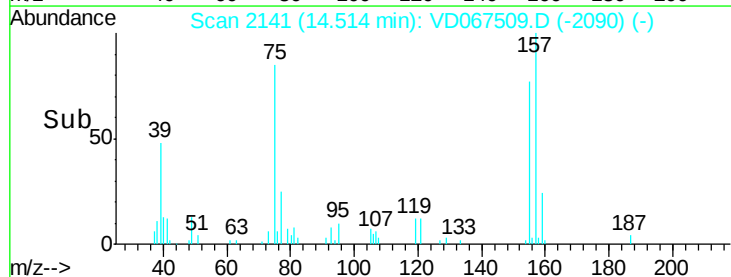
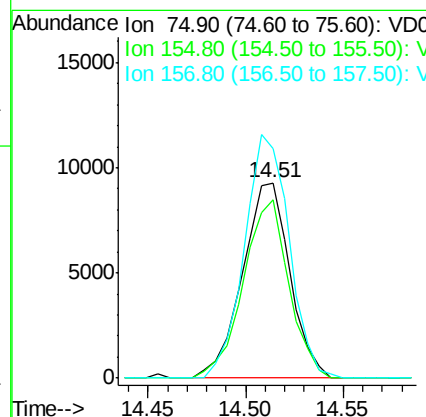
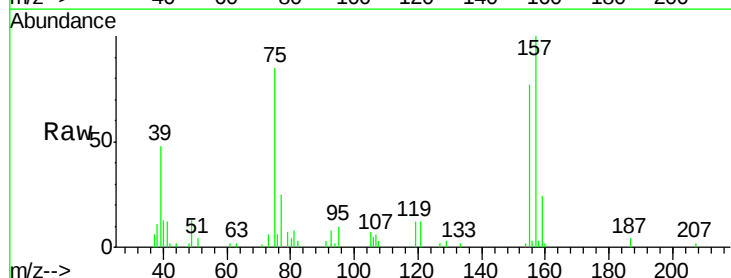
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

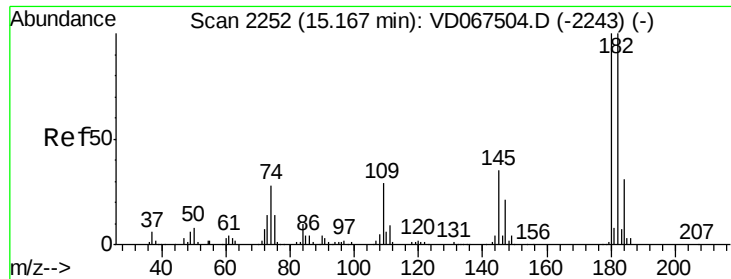
Tot Ion:146 Resp: 269046
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.7 62.1
 148 63.5 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.046 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion: 75 Resp: 15614
 Ion Ratio Lower Upper
 75 100
 155 87.4 46.6 139.8
 157 118.1 58.1 174.2

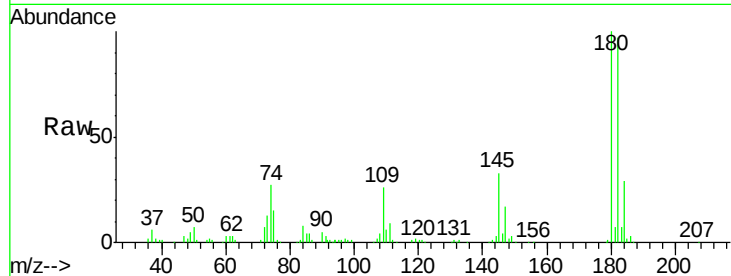




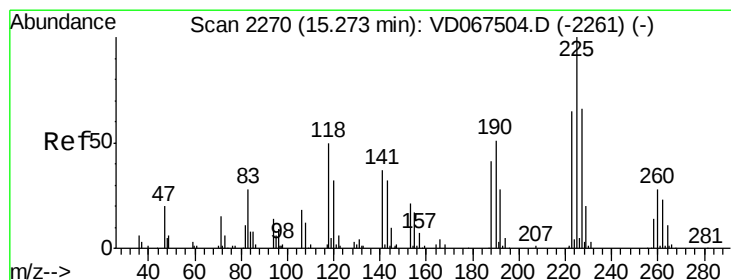
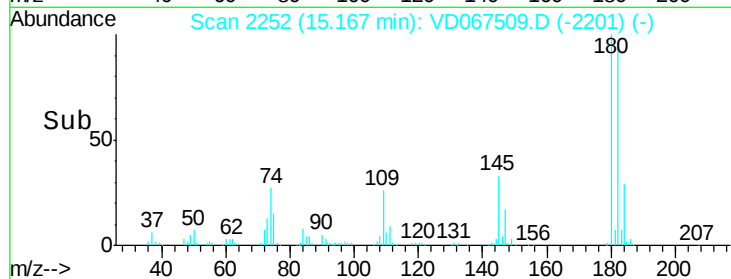
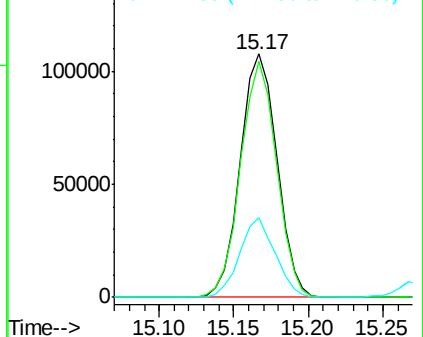
#93
 1,2,4-Trichlorobenzene
 Concen: 49.749 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.3
145	31.5	16.2	48.6

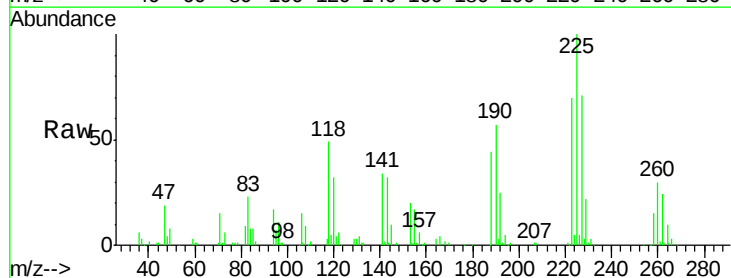


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

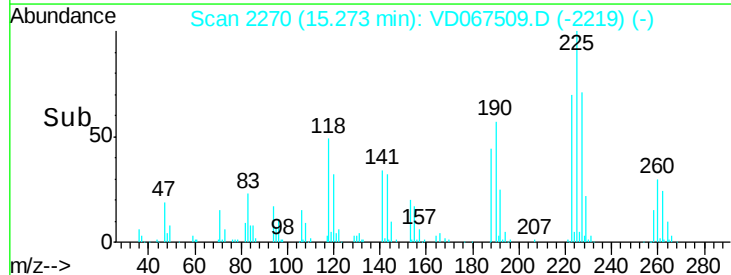
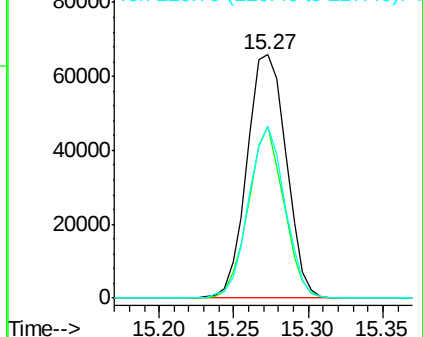


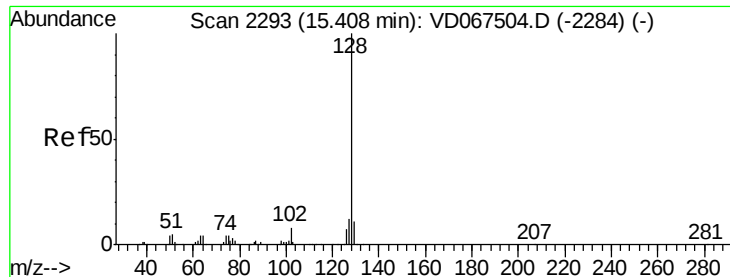
#94
 Hexachlorobutadiene
 Concen: 48.210 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.5
227	65.5	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.791 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

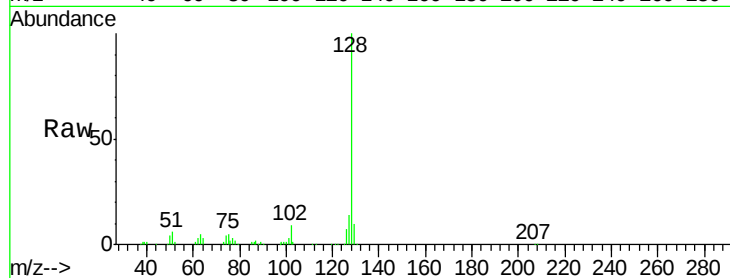
Tot Ion:128 Resp: 278994

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

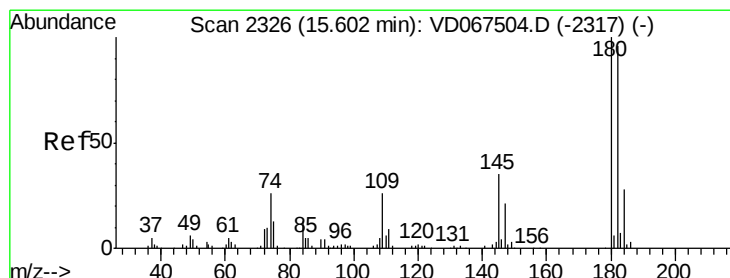
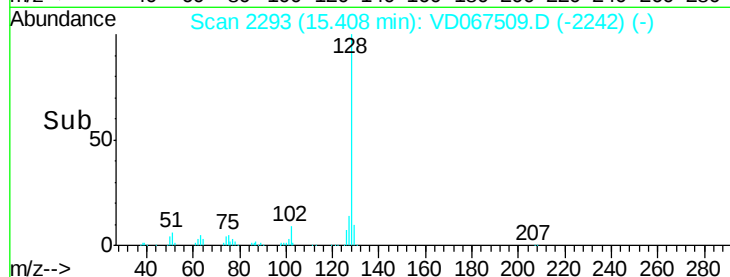
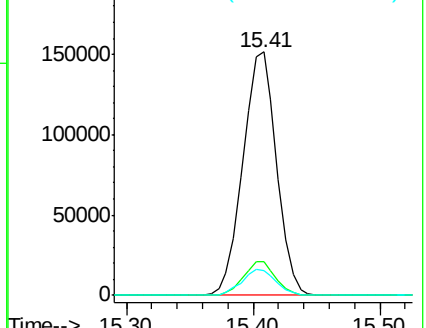
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.642 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

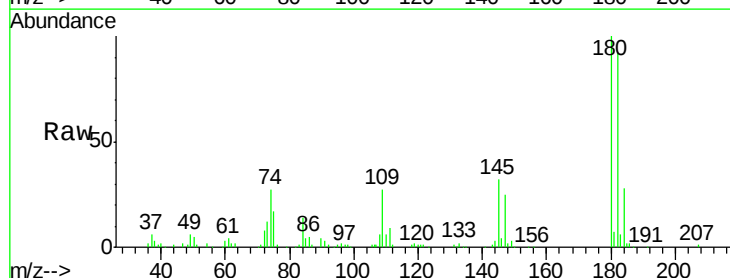
Tgt Ion:180 Resp: 154339

Ion Ratio Lower Upper

180 100

182 93.6 46.9 140.8

145 32.9 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

