

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067902.D
 Acq On : 07 Dec 2020 16:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 08 03:14:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	213258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	304067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	276943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	110129	48.10	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.20%
35) Dibromofluoromethane	7.92	113	99511	48.91	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.82%
50) Toluene-d8	10.34	98	362093	49.44	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.88%
62) 4-Bromofluorobenzene	12.64	95	129815	51.27	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92729	49.964	ug/l	99
3) Chloromethane	2.21	50	48349	45.140	ug/l	98
4) Vinyl Chloride	2.36	62	67779	50.246	ug/l	99
5) Bromomethane	2.78	94	66983	55.623	ug/l	88
6) Chloroethane	2.93	64	45286	51.562	ug/l	93
7) Trichlorofluoromethane	3.28	101	203332	49.259	ug/l	96
8) Diethyl Ether	3.71	74	36834	45.783	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	89457	47.526	ug/l	97
10) Methyl Iodide	4.31	142	90107	45.164	ug/l	99
11) Tert butyl alcohol	5.21	59	23860	188.605	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	82607	46.746	ug/l	93
13) Acrolein	3.92	56	18812	213.824	ug/l	97
14) Allyl chloride	4.72	41	78154	47.806	ug/l	94
15) Acrylonitrile	5.43	53	61951	222.072	ug/l	98
16) Acetone	4.16	43	61015	215.676	ug/l	95
17) Carbon Disulfide	4.41	76	225579	45.720	ug/l	99
18) Methyl Acetate	4.71	43	27694	52.194	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	183377	48.461	ug/l	93
20) Methylene Chloride	4.97	84	90942	49.593	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	96442	47.960	ug/l	94
22) Diisopropyl ether	6.37	45	157838	48.004	ug/l	95
23) Vinyl Acetate	6.31	43	450491	246.281	ug/l	97
24) 1,1-Dichloroethane	6.27	63	137543	47.720	ug/l	98
25) 2-Butanone	7.21	43	65044	218.593	ug/l	95
26) 2,2-Dichloropropane	7.21	77	173489	50.477	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106693	48.508	ug/l	98
28) Bromochloromethane	7.55	49	44666	48.809	ug/l	95
29) Tetrahydrofuran	7.56	42	37474	221.184	ug/l	97
30) Chloroform	7.71	83	185138	48.065	ug/l	99
31) Cyclohexane	7.98	56	105997	43.945	ug/l	88
32) 1,1,1-Trichloroethane	7.91	97	202659	49.842	ug/l	99
36) 1,1-Dichloropropene	8.12	75	130013	49.392	ug/l	98
37) Ethyl Acetate	7.30	43	30810	43.428	ug/l	97
38) Carbon Tetrachloride	8.10	117	194498	48.835	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152192	48.789	ug/l	96
40) Benzene	8.36	78	348371	48.367	ug/l	98
41) Methacrylonitrile	7.53	41	15118	44.370	ug/l #	67
42) 1,2-Dichloroethane	8.43	62	124749	48.596	ug/l	98
43) Isopropyl Acetate	8.45	43	64970	46.543	ug/l	98
44) Trichloroethene	9.12	130	120275	48.569	ug/l	98
45) 1,2-Dichloropropane	9.39	63	67676	45.779	ug/l	93
46) Dibromomethane	9.48	93	47505	46.219	ug/l	96
47) Bromodichloromethane	9.67	83	143334	48.916	ug/l	99
48) Methyl methacrylate	9.46	41	32549	45.920	ug/l	96
49) 1,4-Dioxane	9.46	88	9861	839.623	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	151439	229.222	ug/l	100
52) Toluene	10.41	92	248462	49.339	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122401	48.397	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	133452	48.510	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	65050	46.246	ug/l	96
56) Ethyl methacrylate	10.67	69	67003	46.818	ug/l	98
57) 1,3-Dichloropropane	10.95	76	100880	45.276	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	167803	257.675	ug/l	99
59) 2-Hexanone	10.99	43	106297	228.236	ug/l	99
60) Dibromochloromethane	11.14	129	101903	48.060	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65314	47.218	ug/l	98
64) Tetrachloroethene	10.88	164	107631	47.646	ug/l	95
65) Chlorobenzene	11.67	112	280233	49.040	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	115129	49.397	ug/l	97
67) Ethyl Benzene	11.75	91	490637	50.402	ug/l	98
68) m/p-Xylenes	11.86	106	377199	98.270	ug/l	100
69) o-Xylene	12.18	106	178480	52.377	ug/l	97
70) Styrene	12.20	104	298515	50.379	ug/l	99
71) Bromoform	12.37	173	61067	49.498	ug/l #	98
73) Isopropylbenzene	12.48	105	505050	50.995	ug/l	98
74) N-amyl acetate	12.29	43	54437	44.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	58297	44.584	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	89021	84.881	ug/l	28
77) Bromobenzene	12.77	156	121739	49.443	ug/l	98
78) n-propylbenzene	12.83	91	549536	50.062	ug/l	99
79) 2-Chlorotoluene	12.91	91	317297	49.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	438260	51.110	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	19110	43.587	ug/l	94
82) 4-Chlorotoluene	13.01	91	339972	49.353	ug/l	99
83) tert-Butylbenzene	13.23	119	372798	51.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	428986	50.310	ug/l	99
85) sec-Butylbenzene	13.41	105	481504	49.440	ug/l	99
86) p-Isopropyltoluene	13.52	119	485358	50.849	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	226041	47.592	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	228243	48.035	ug/l	98
89) n-Butylbenzene	13.85	91	402903	50.808	ug/l	100
90) Hexachloroethane	14.11	117	84073	47.708	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	201833	48.997	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12757	46.748	ug/l	88

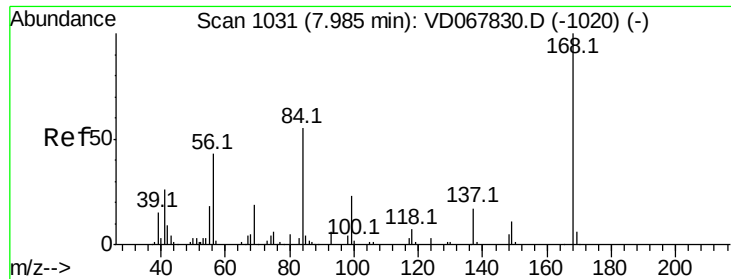
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	148052	51.381	ug/l	99
94) Hexachlorobutadiene	15.27	225	94073	50.033	ug/l	98
95) Naphthalene	15.41	128	228499	48.734	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	123651	49.691	ug/l	98

(#) = 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: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

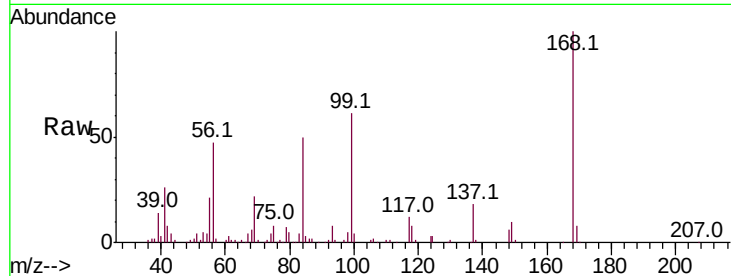
VSTDCCC050EC

Tot Ion:168 Resp: 213258

Ion Ratio Lower Upper

168 100

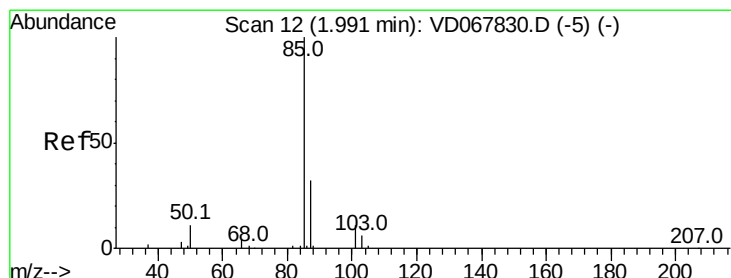
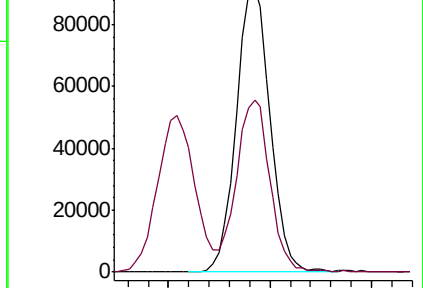
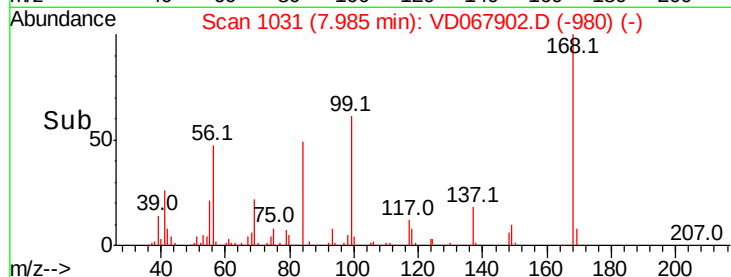
99 60.5 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98



#2

Dichlorodifluoromethane

Concen: 49.964 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067902.D

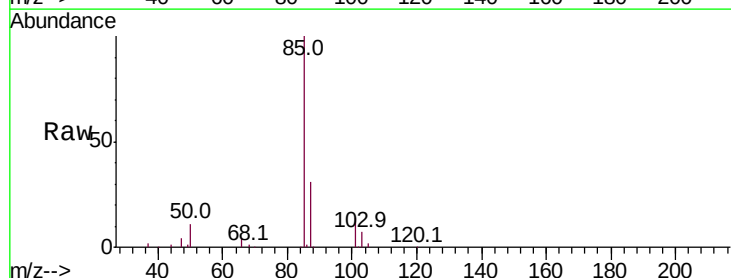
Acq: 07 Dec 2020 16:25

Tgt Ion: 85 Resp: 92729

Ion Ratio Lower Upper

85 100

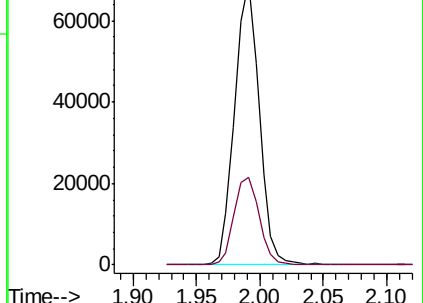
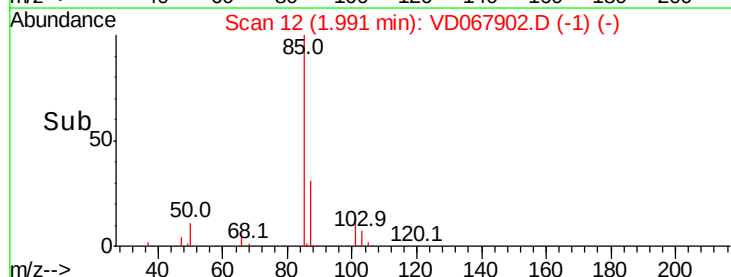
87 31.0 15.9 47.6

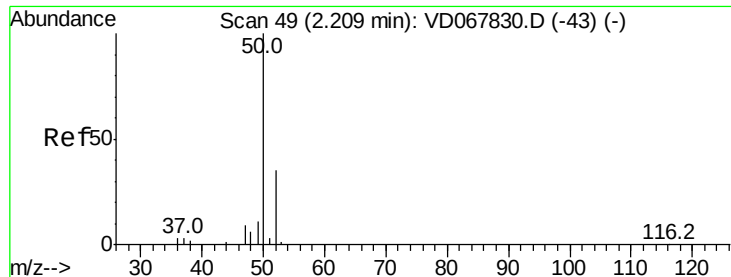


Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99





#3

Chloromethane

Concen: 45.140 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

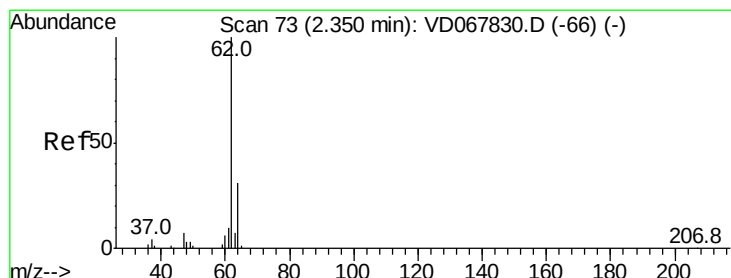
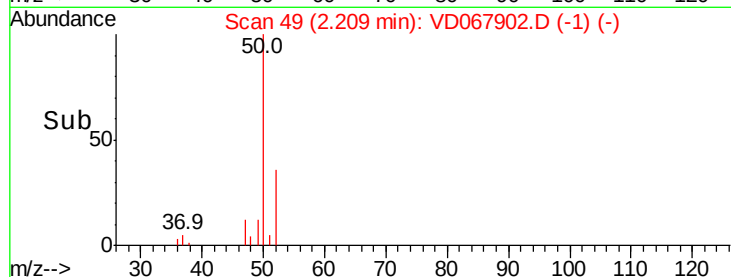
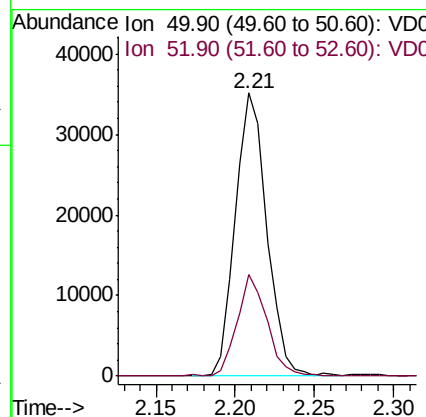
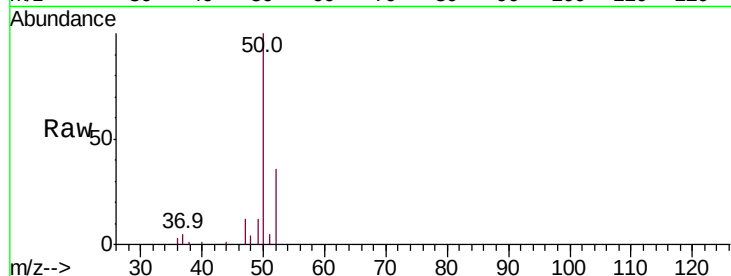
VSTDCCC050EC

Tot Ion: 50 Resp: 48349

Ion Ratio Lower Upper

50 100

52 35.9 27.8 41.6



#4

Vinyl Chloride

Concen: 50.246 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067902.D

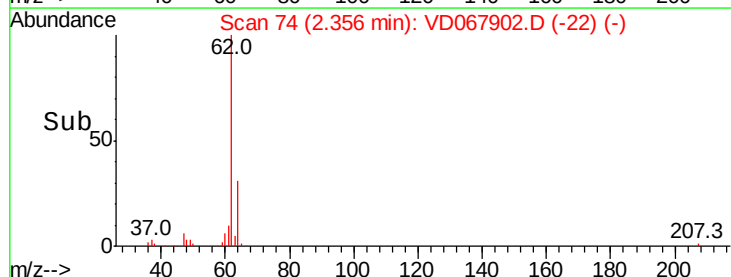
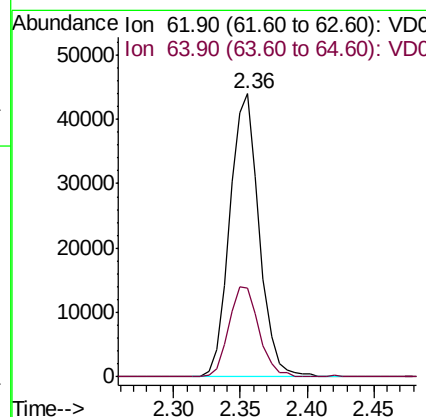
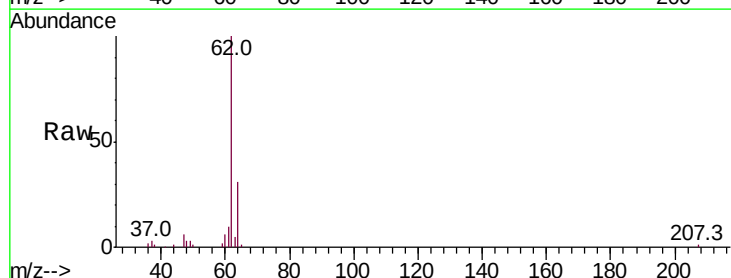
Acq: 07 Dec 2020 16:25

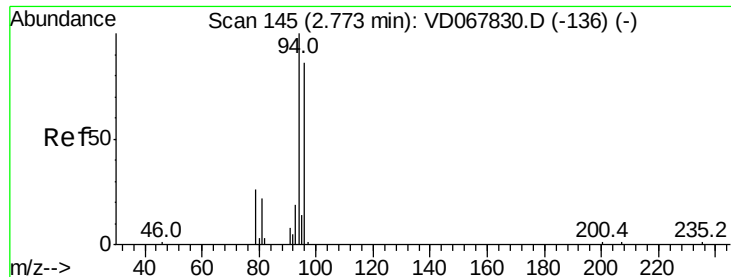
Tgt Ion: 62 Resp: 67779

Ion Ratio Lower Upper

62 100

64 31.4 24.5 36.7





#5

Bromomethane

Concen: 55.623 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

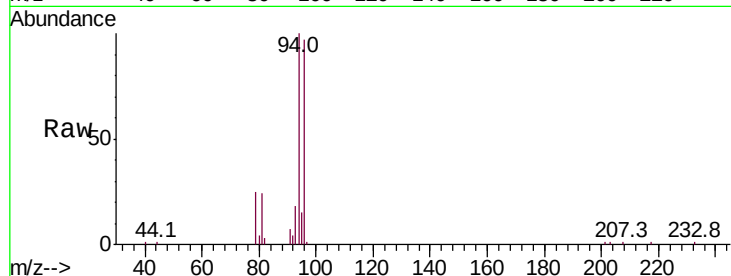
VSTDCCC050EC

Tot Ion: 94 Resp: 66983

Ion Ratio Lower Upper

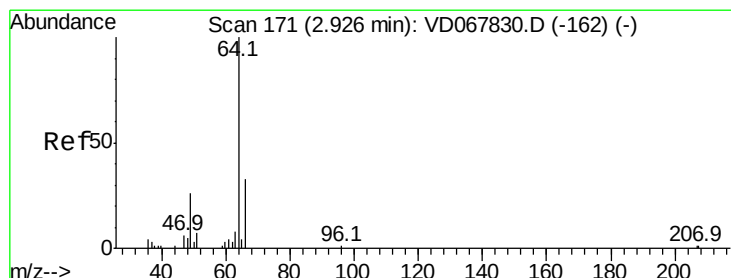
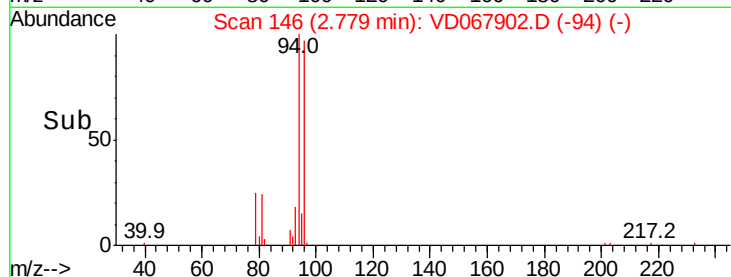
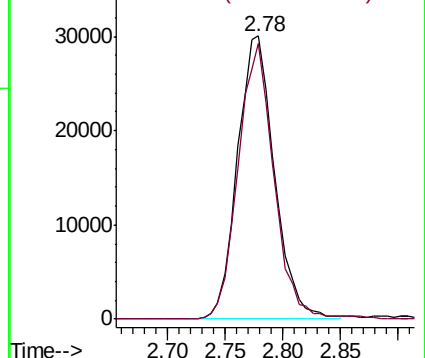
94 100

96 97.3 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.562 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067902.D

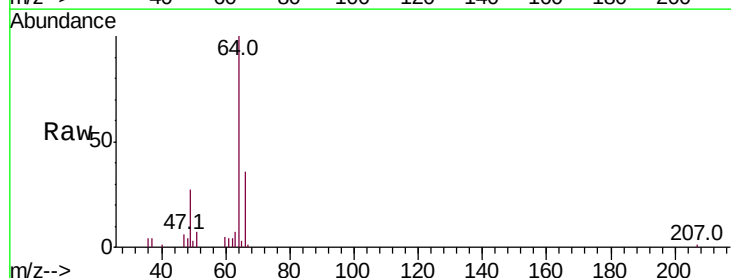
Acq: 07 Dec 2020 16:25

Tgt Ion: 64 Resp: 45286

Ion Ratio Lower Upper

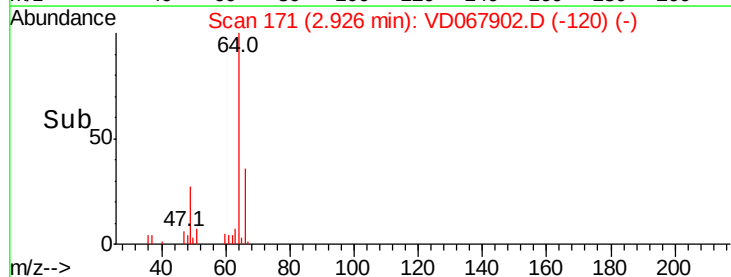
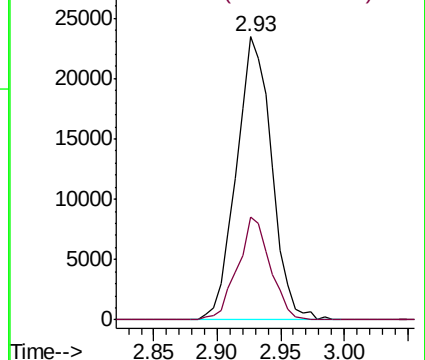
64 100

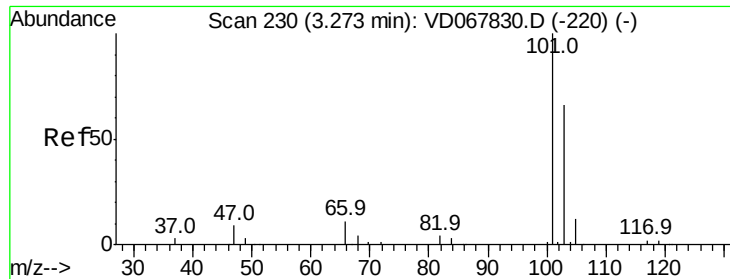
66 36.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



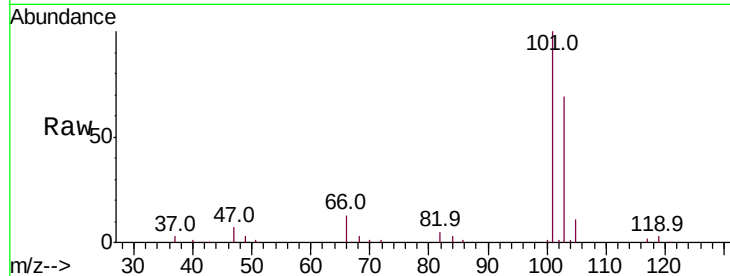


#7

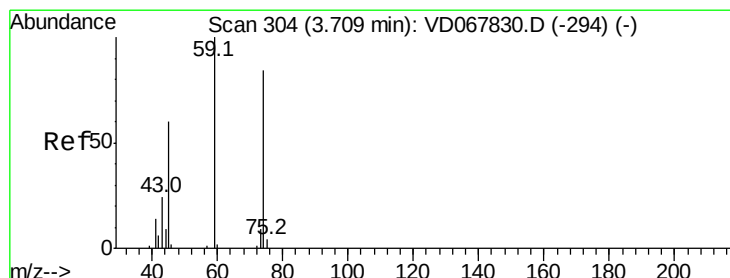
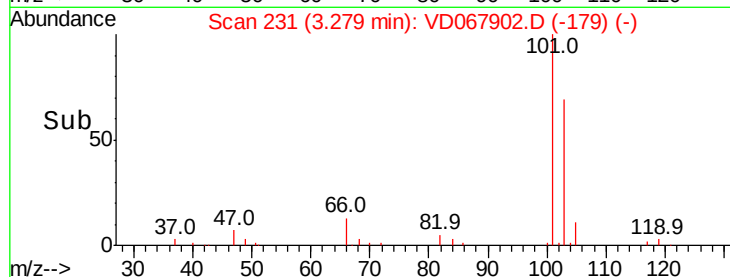
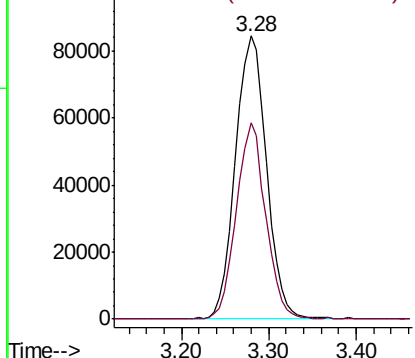
Trichlorofluoromethane
Concen: 49.259 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 203332
Ion Ratio Lower Upper
101 100
103 69.2 53.0 79.6



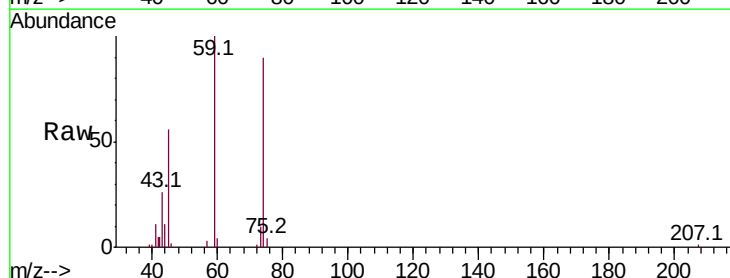
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



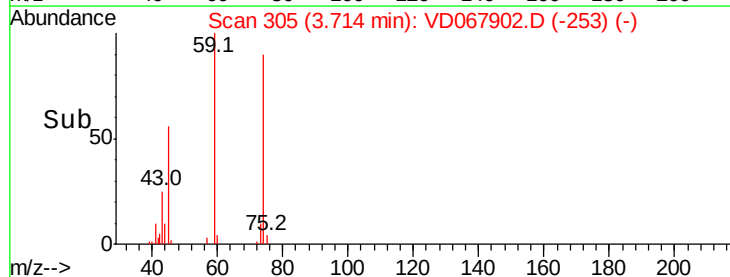
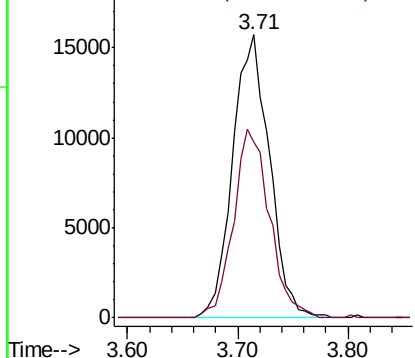
#8

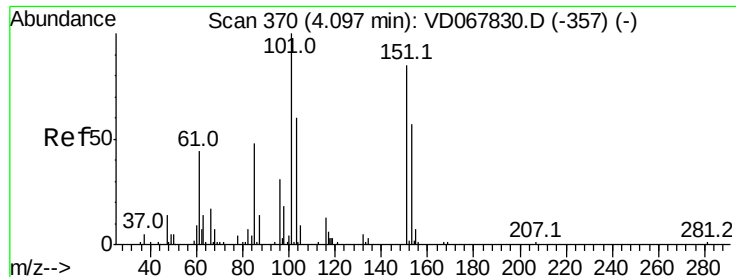
Diethyl Ether
Concen: 45.783 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 74 Resp: 36834
Ion Ratio Lower Upper
74 100
45 65.4 33.9 101.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.526 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

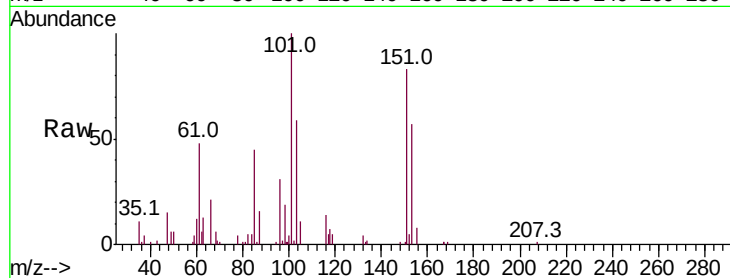
Tot Ion:101 Resp: 89457

Ion Ratio Lower Upper

101 100

85 45.6 36.2 54.4

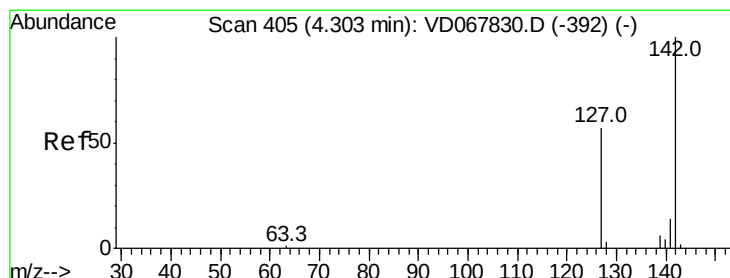
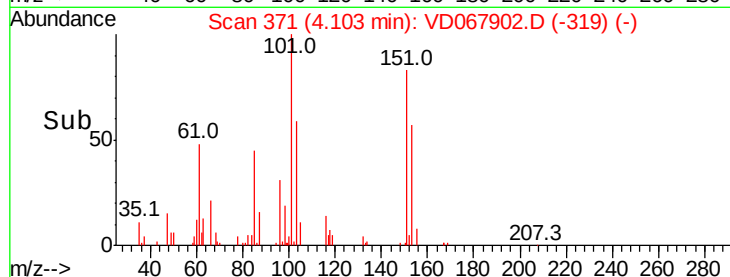
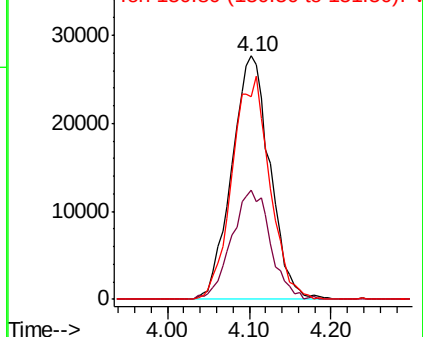
151 90.2 69.4 104.2



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: 45.164 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

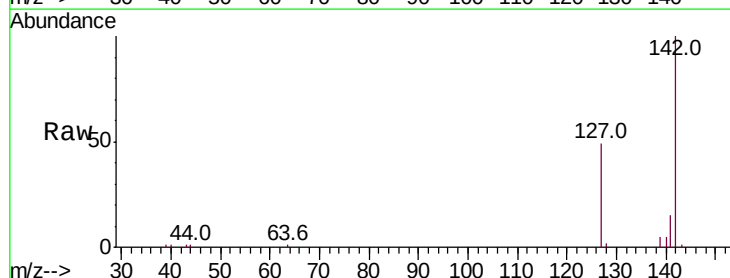
Tgt Ion:142 Resp: 90107

Ion Ratio Lower Upper

142 100

127 54.1 43.9 65.9

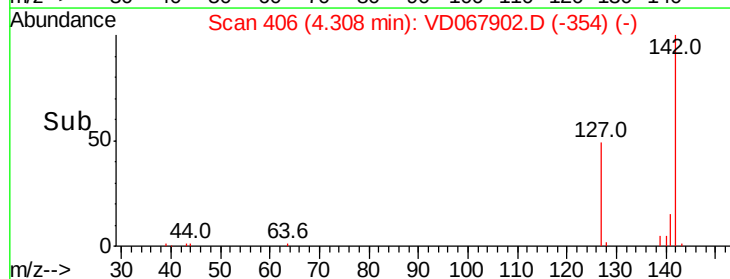
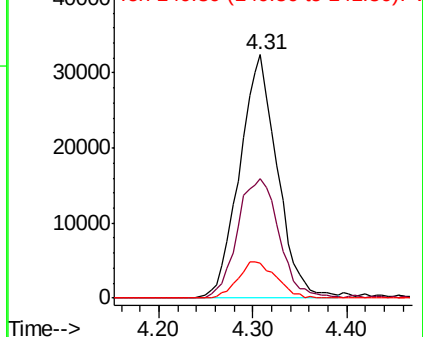
141 15.2 12.2 18.2

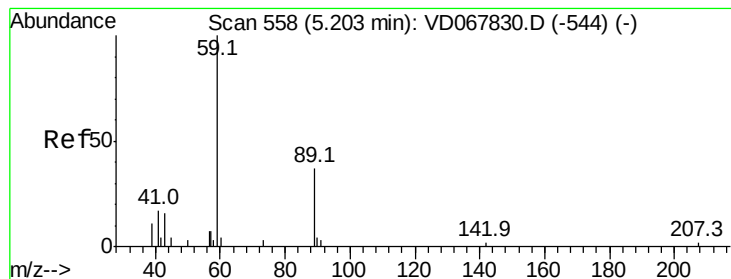


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



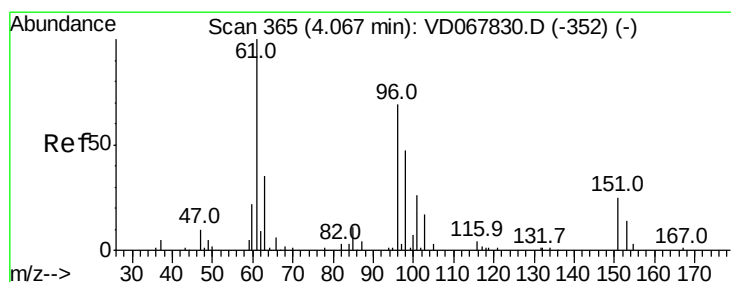
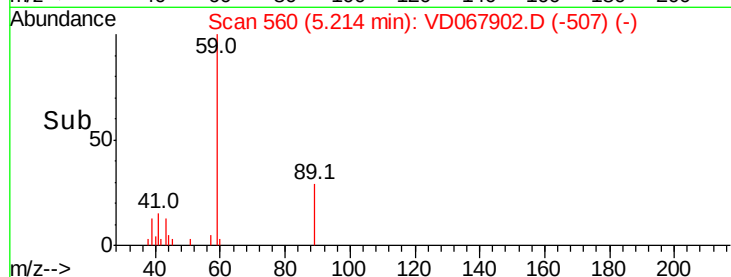
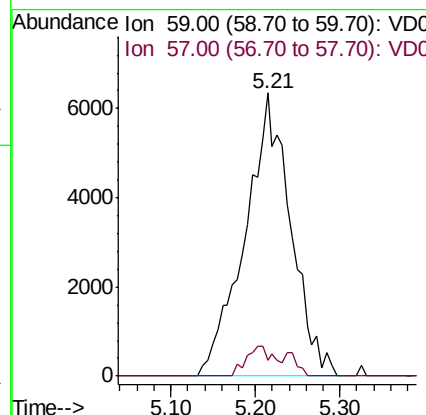
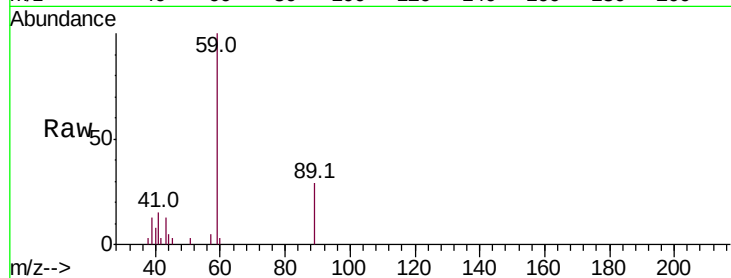


#11

Tert butyl alcohol
 Concen: 188.605 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

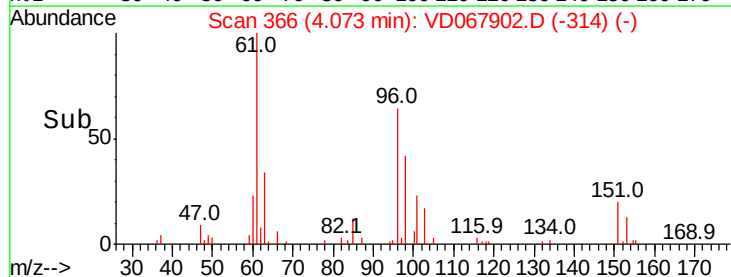
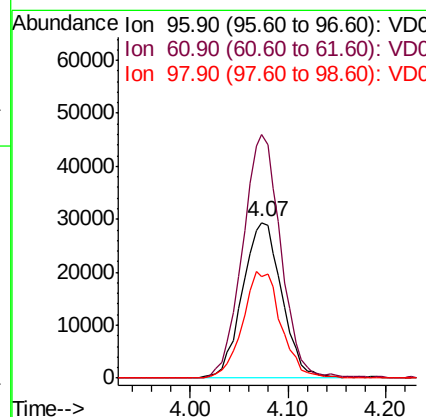
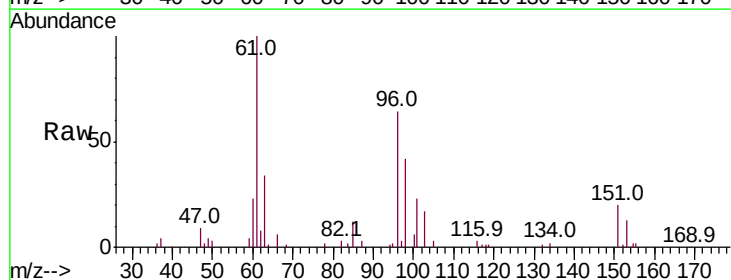
Tot Ion: 59 Resp: 23860
 Ion Ratio Lower Upper
 59 100
 57 6.3 7.7 11.5#

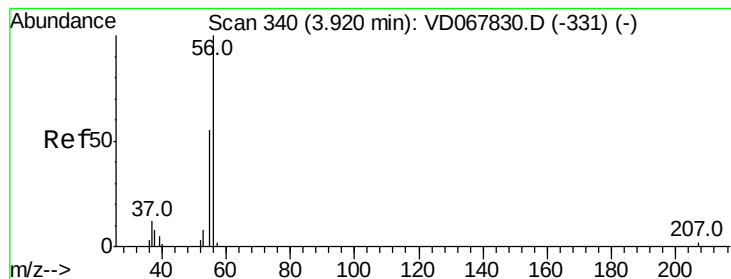


#12

1,1-Dichloroethene
 Concen: 46.746 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion: 96 Resp: 82607
 Ion Ratio Lower Upper
 96 100
 61 156.3 116.1 174.1
 98 65.2 54.6 82.0





#13

Acrolein

Concen: 213.824 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

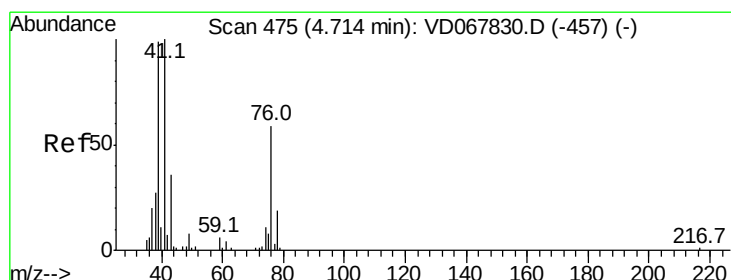
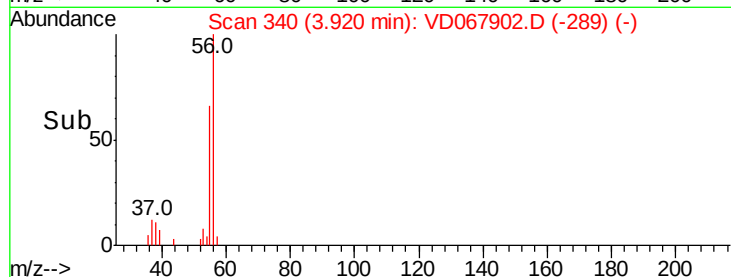
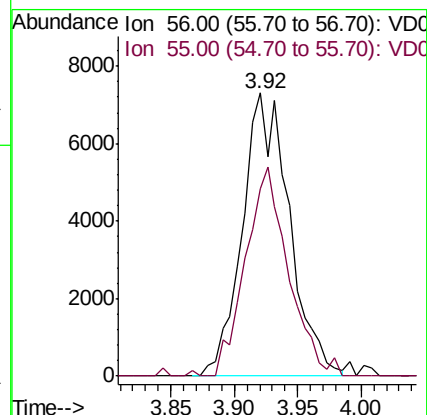
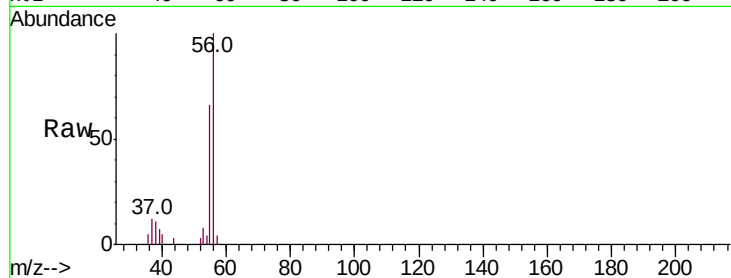
VSTDCCC050EC

Tot Ion: 56 Resp: 18812

Ion Ratio Lower Upper

56 100

55 67.9 56.5 84.7



#14

Allyl chloride

Concen: 47.806 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

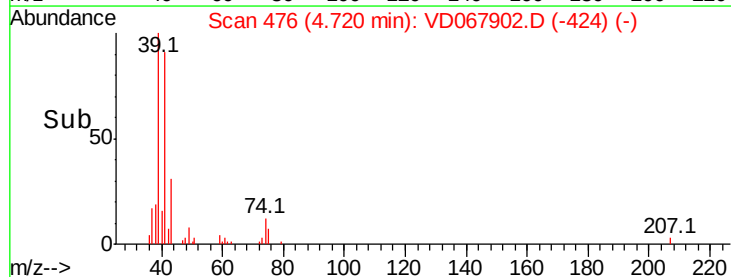
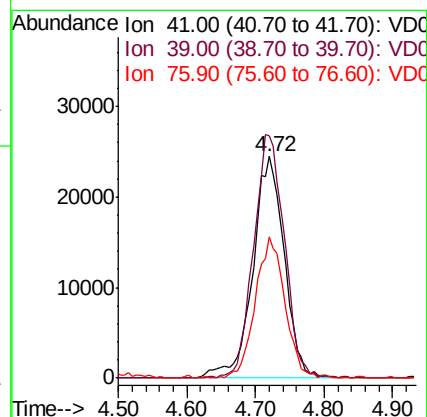
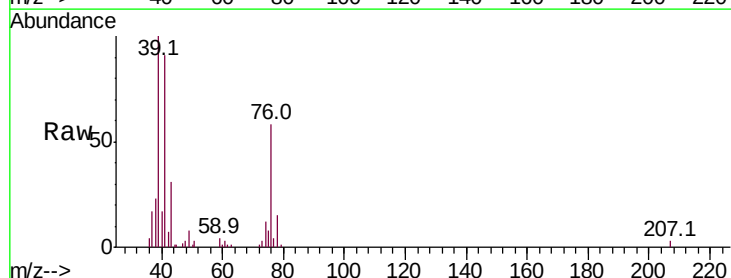
Tgt Ion: 41 Resp: 78154

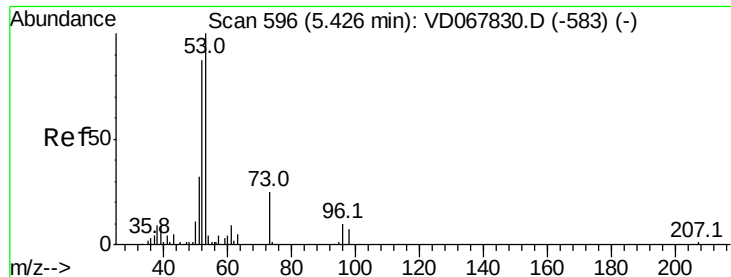
Ion Ratio Lower Upper

41 100

39 107.6 79.0 118.6

76 59.4 46.6 70.0





#15

Acrylonitrile

Concen: 222.072 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

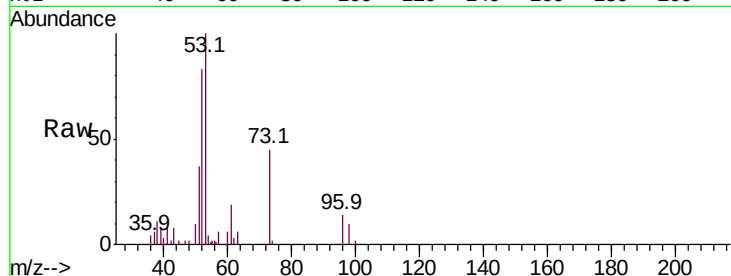
Tot Ion: 53 Resp: 61951

Ion Ratio Lower Upper

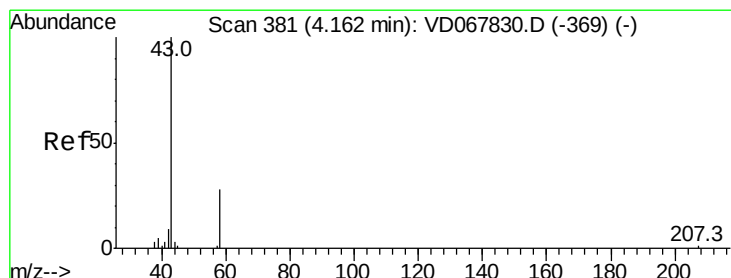
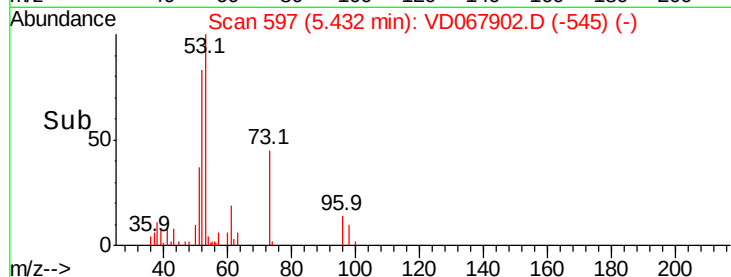
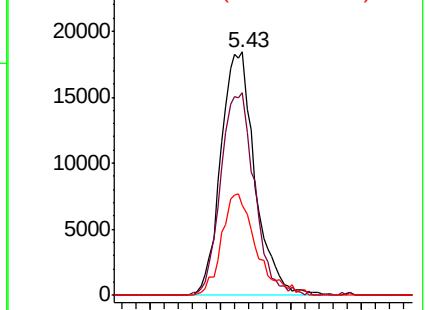
53 100

52 82.2 66.2 99.2

51 42.2 31.1 46.7



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: 215.676 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD067902.D

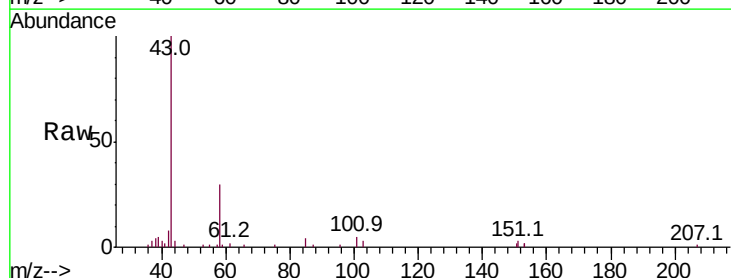
Acq: 07 Dec 2020 16:25

Tgt Ion: 43 Resp: 61015

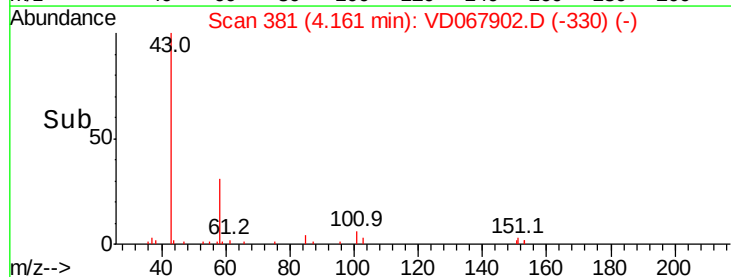
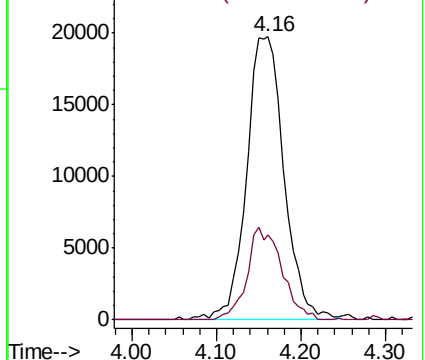
Ion Ratio Lower Upper

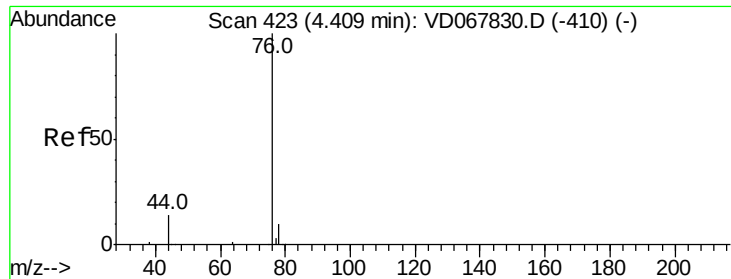
43 100

58 30.0 21.9 32.9



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

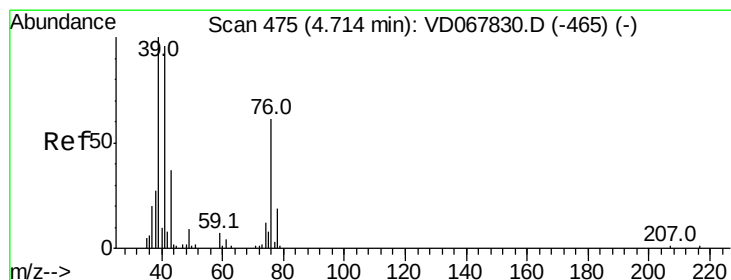
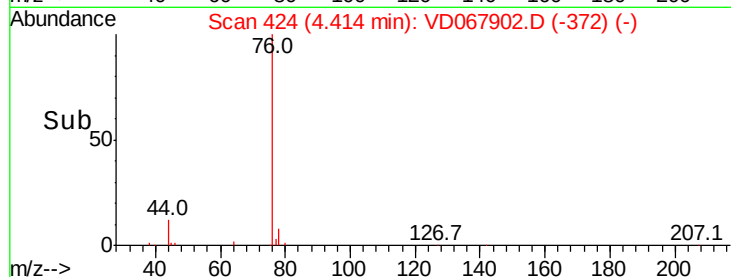
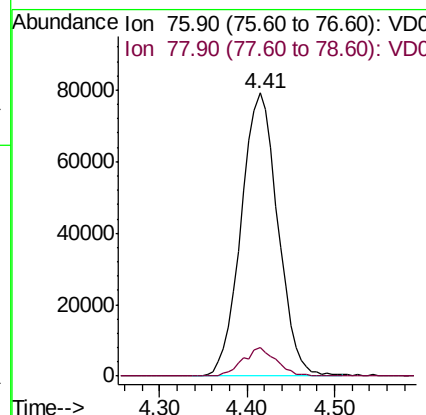
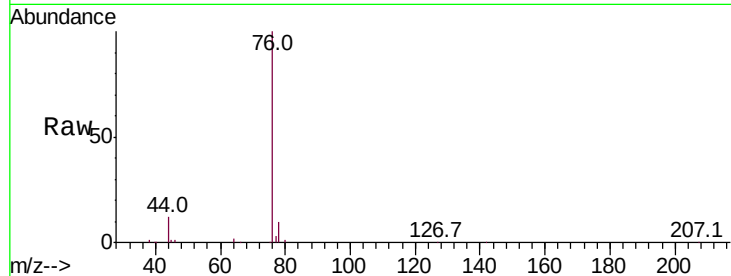




#17
Carbon Disulfide
Concen: 45.720 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

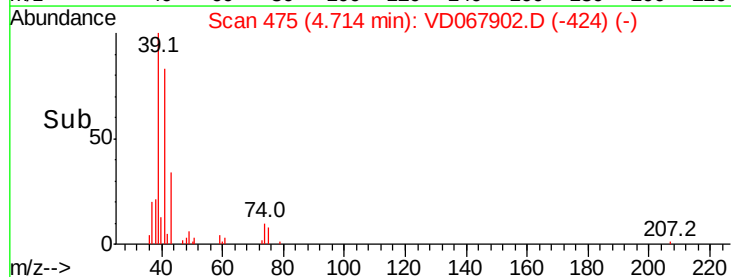
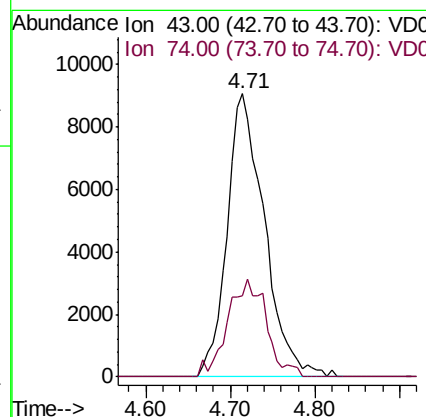
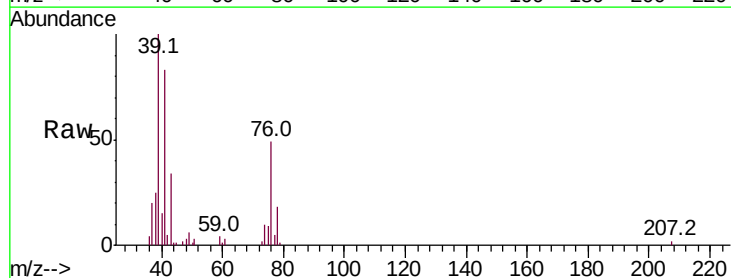
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

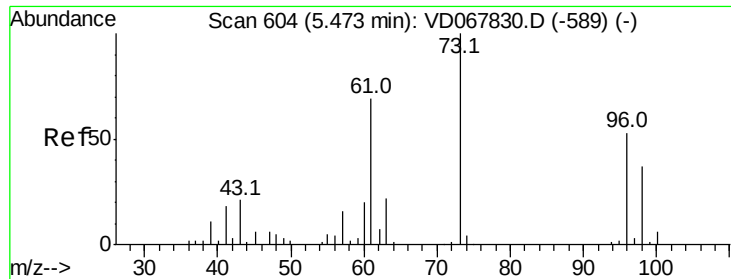
Tot Ion: 76 Resp: 225579
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.6



#18
Methyl Acetate
Concen: 52.194 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 43 Resp: 27694
Ion Ratio Lower Upper
43 100
74 35.7 27.0 40.4

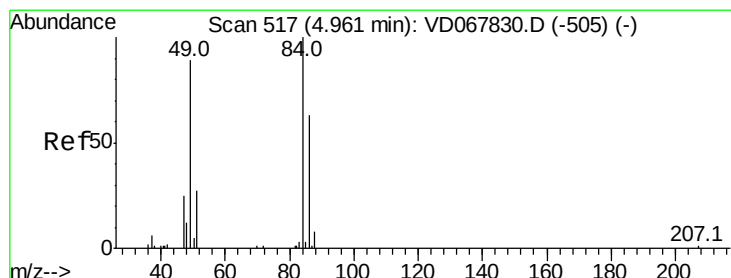
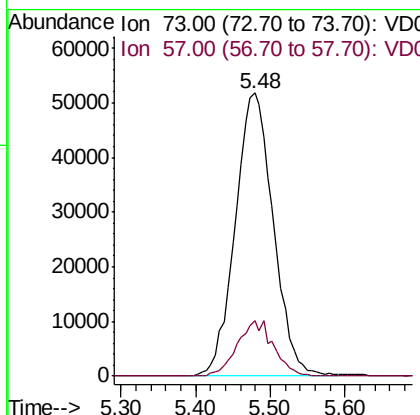
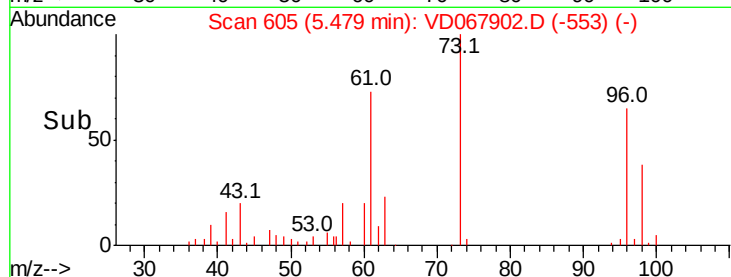
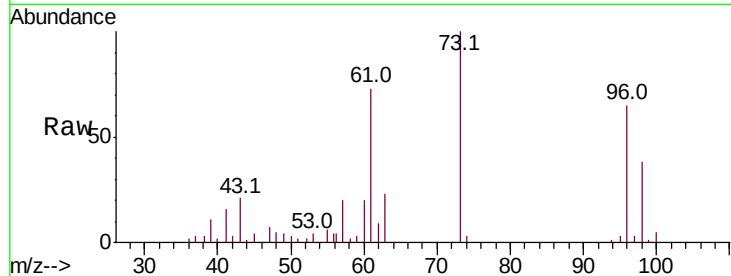




#19
Methyl tert-butyl Ether
Concen: 48.461 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

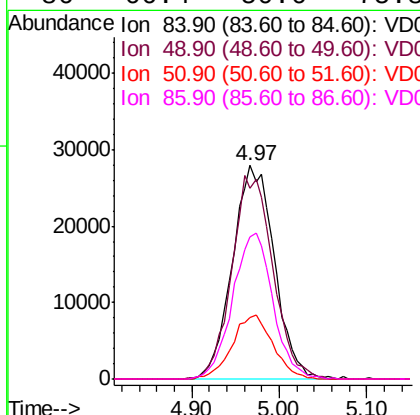
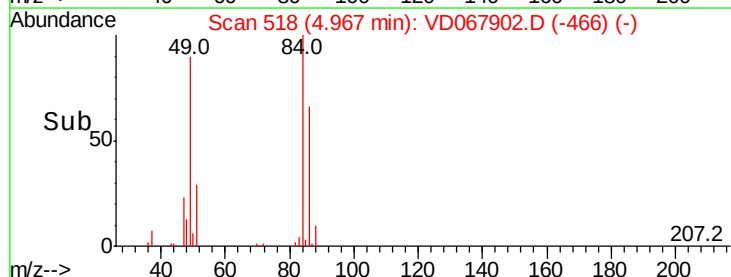
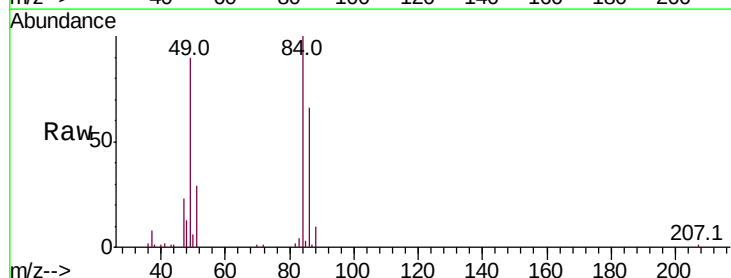
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

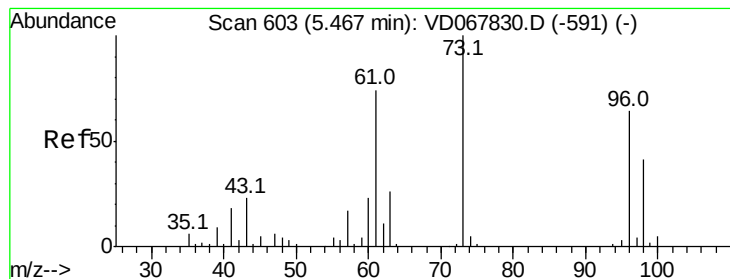
Tot Ion: 73 Resp: 183377
Ion Ratio Lower Upper
73 100
57 19.7 13.2 19.8



#20
Methylene Chloride
Concen: 49.593 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 84 Resp: 90942
Ion Ratio Lower Upper
84 100
49 89.6 71.4 107.0
51 28.5 21.8 32.8
86 66.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.960 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

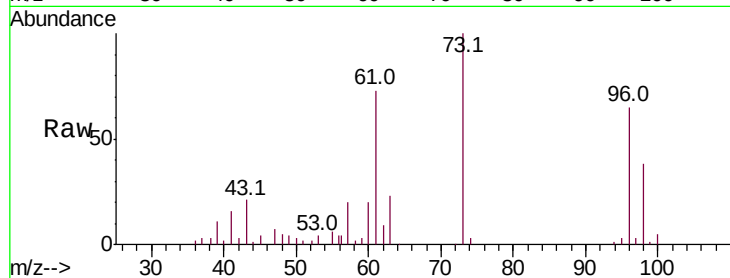
Tot Ion: 96 Resp: 96442

Ion Ratio Lower Upper

96 100

61 112.5 93.1 139.7

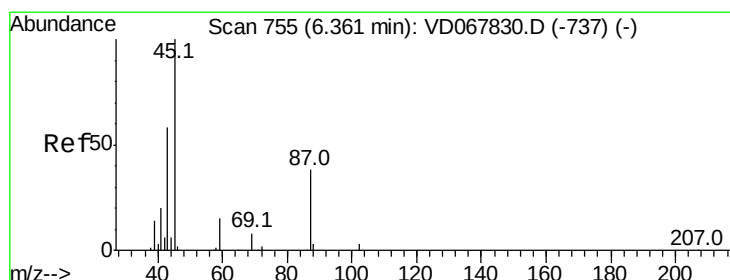
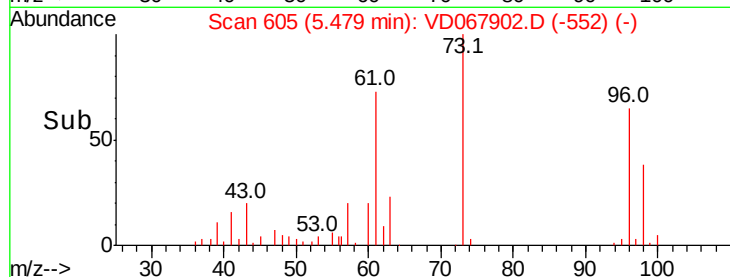
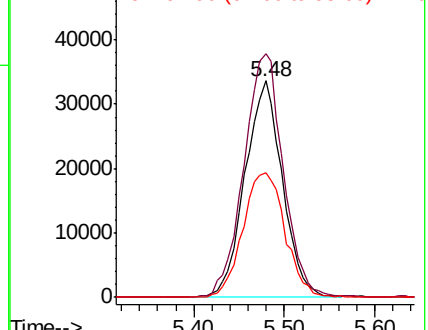
98 57.8 52.2 78.2



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: 48.004 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Tgt Ion: 45 Resp: 157838

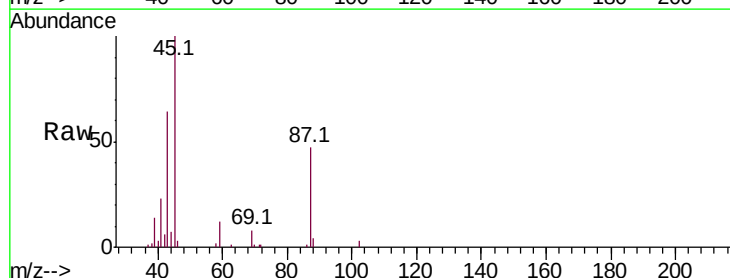
Ion Ratio Lower Upper

45 100

43 63.2 49.8 74.6

87 46.8 32.1 48.1

59 12.2 11.9 17.9

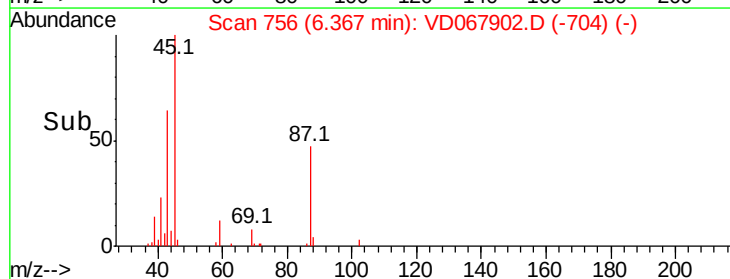
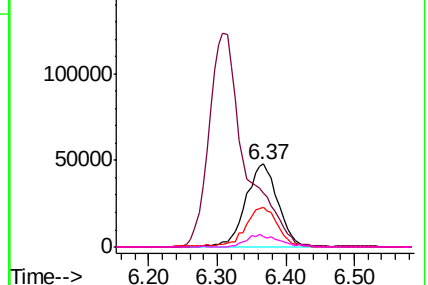


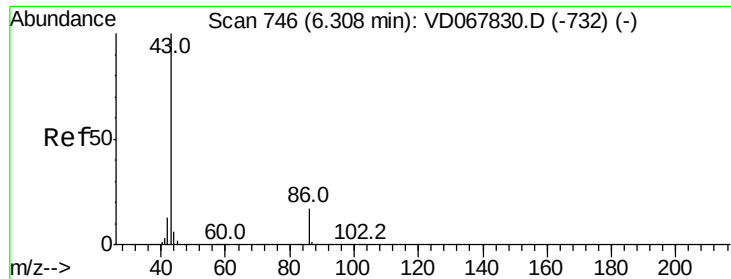
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 246.281 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

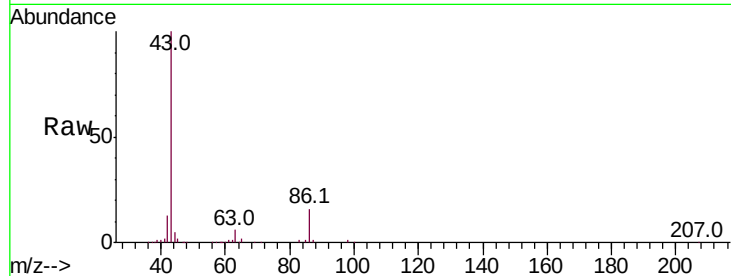
VSTDCCC050EC

Tot Ion: 43 Resp: 450491

Ion Ratio Lower Upper

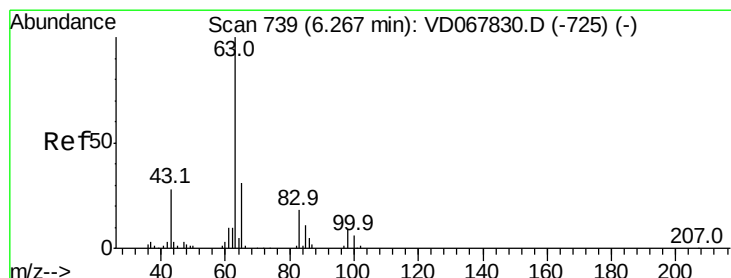
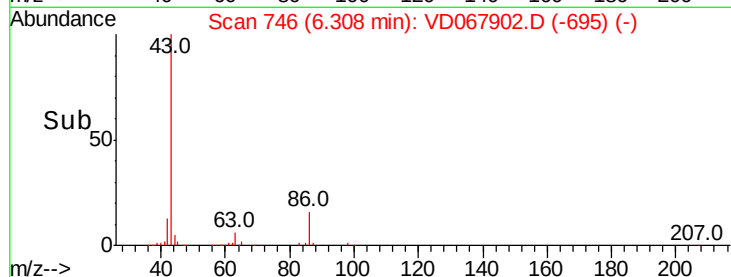
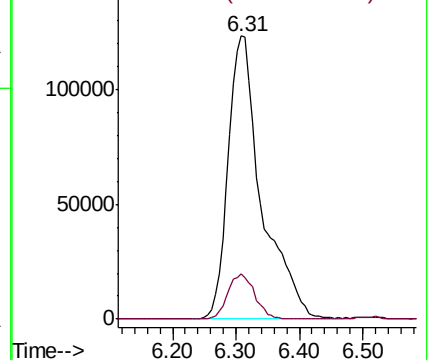
43 100

86 15.9 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.720 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

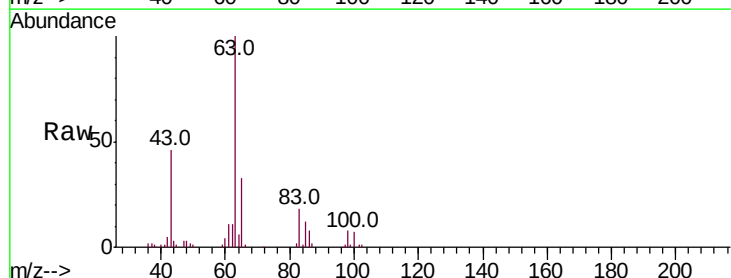
Tgt Ion: 63 Resp: 137543

Ion Ratio Lower Upper

63 100

98 8.5 4.5 13.5

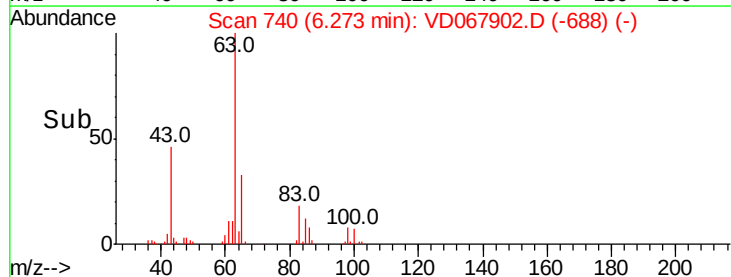
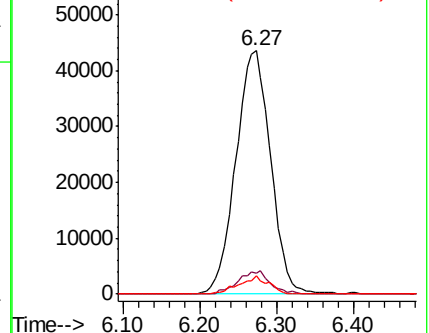
100 7.3 3.0 9.2

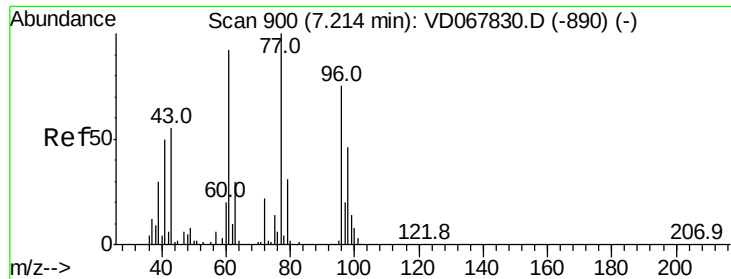


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

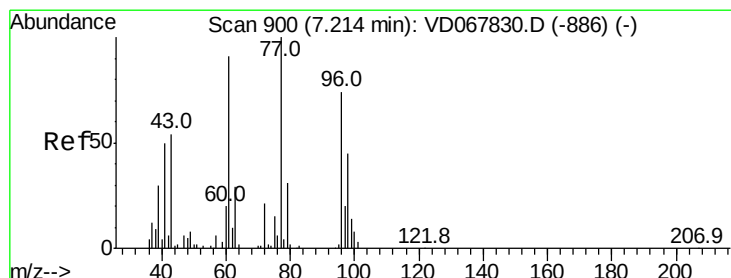
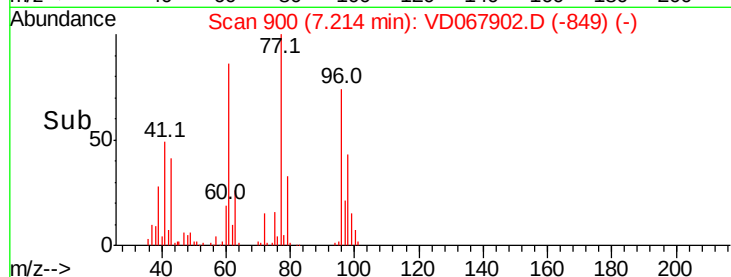
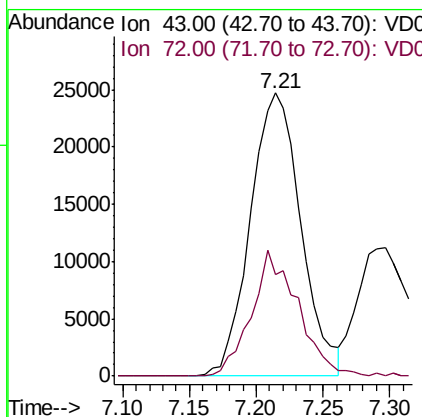
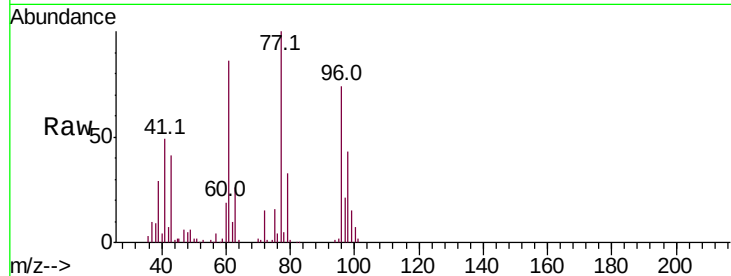




#25
 2-Butanone
 Concen: 218.593 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

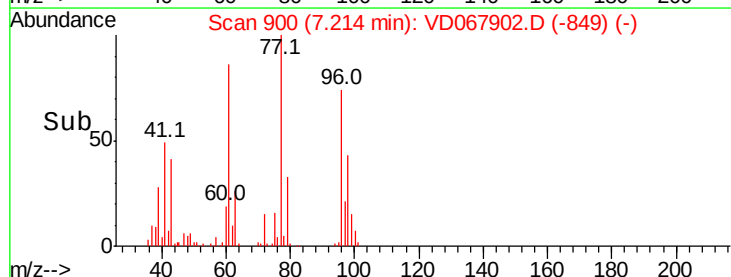
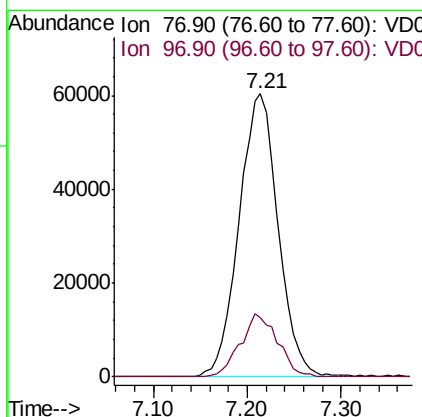
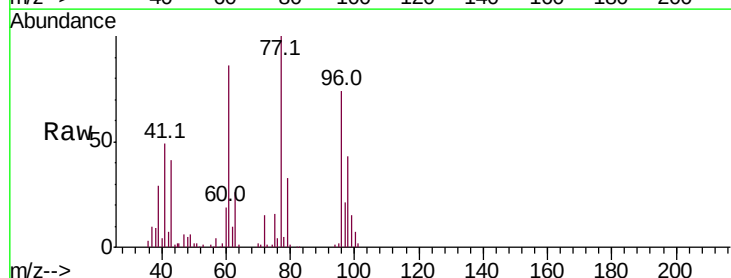
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

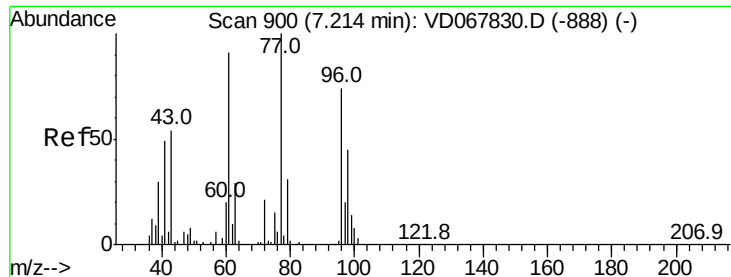
Tot Ion: 43 Resp: 65044
 Ion Ratio Lower Upper
 43 100
 72 35.8 31.3 46.9



#26
 2,2-Dichloropropane
 Concen: 50.477 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion: 77 Resp: 173489
 Ion Ratio Lower Upper
 77 100
 97 21.4 11.1 33.1



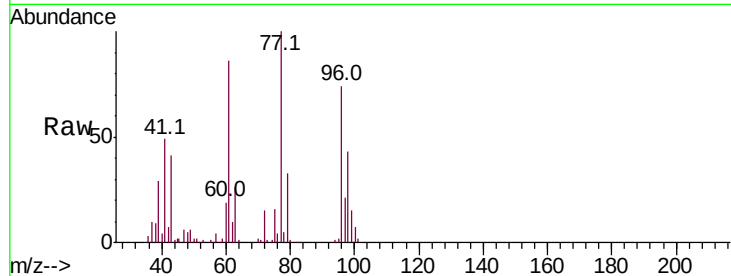


#27

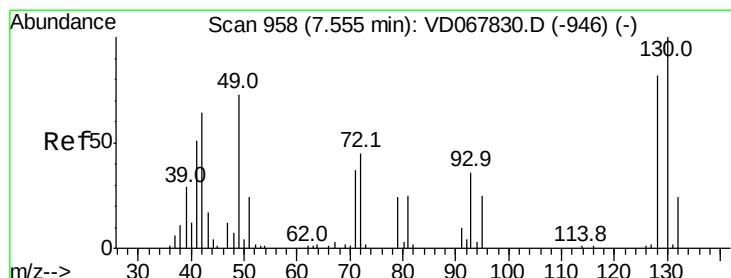
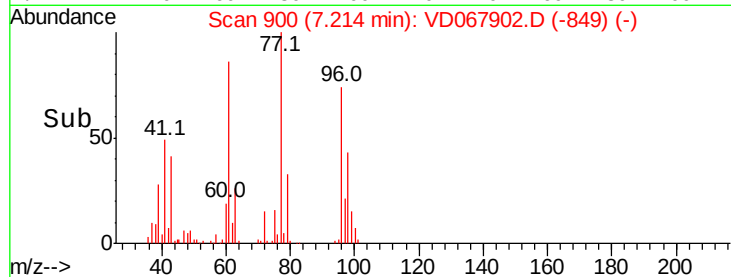
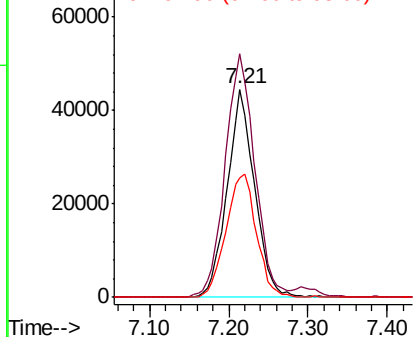
cis-1,2-Dichloroethene
Concen: 48.508 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 106693
Ion Ratio Lower Upper
96 100
61 125.8 0.0 248.4
98 65.4 0.0 127.4



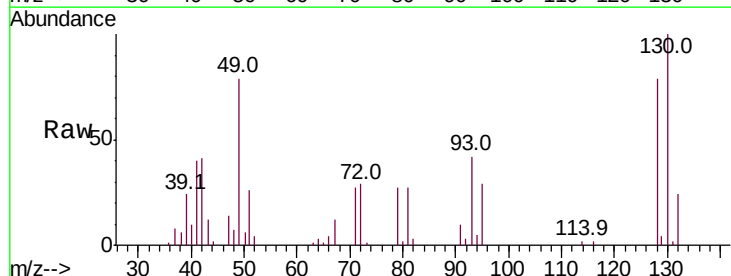
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



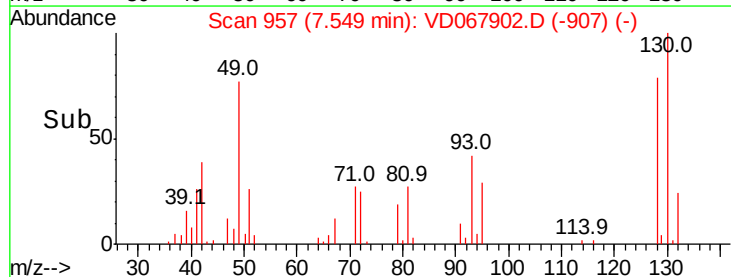
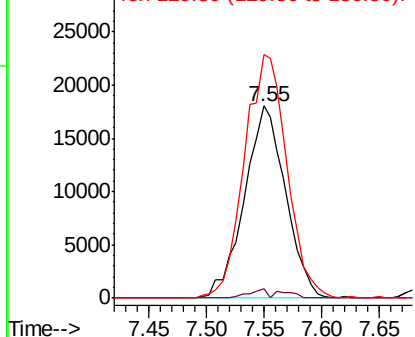
#28

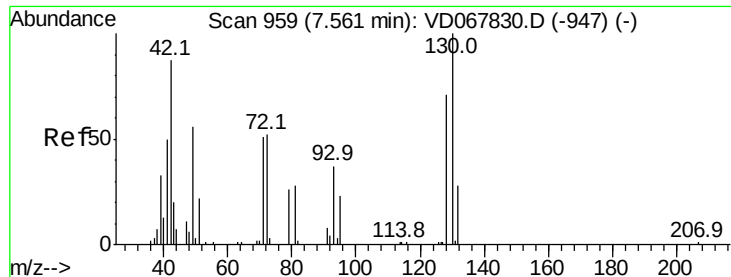
Bromochloromethane
Concen: 48.809 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 49 Resp: 44666
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 131.0 110.2 165.2



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

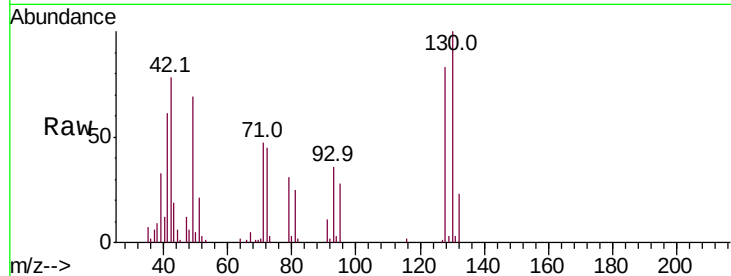




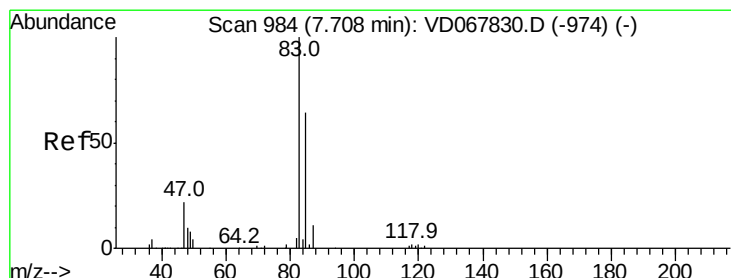
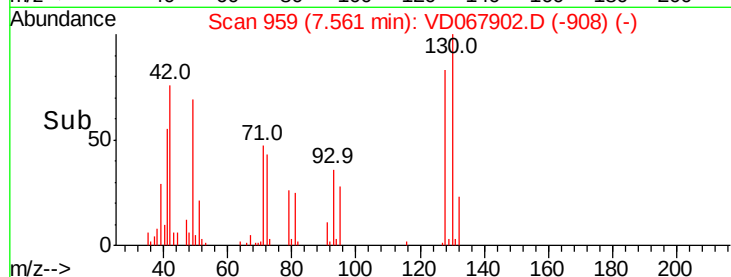
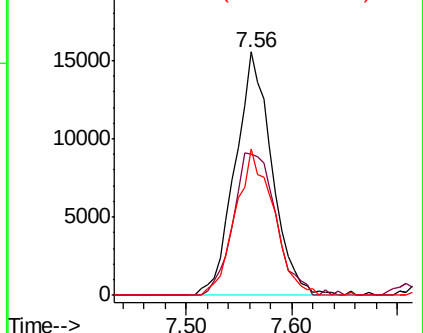
#29
Tetrahydrofuran
Concen: 221.184 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 37474
Ion Ratio Lower Upper
42 100
72 67.3 51.9 77.9
71 62.3 48.2 72.4

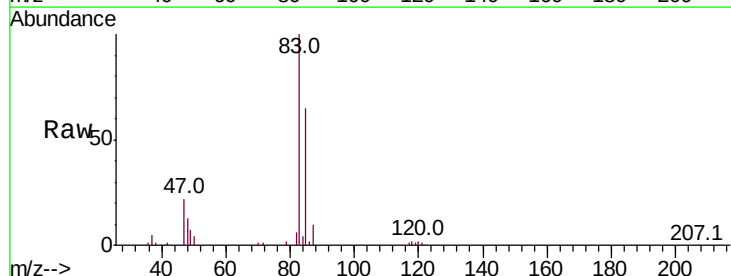


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

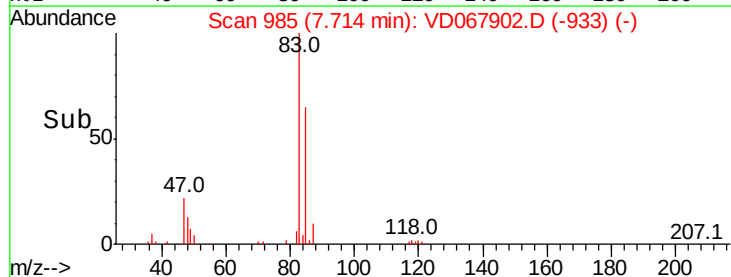
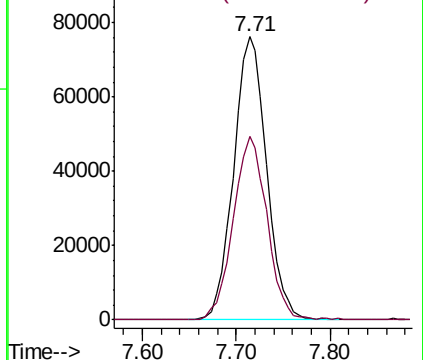


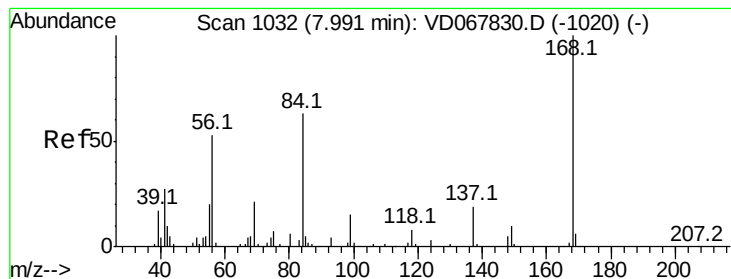
#30
Chloroform
Concen: 48.065 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 83 Resp: 185138
Ion Ratio Lower Upper
83 100
85 64.9 51.0 76.4



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





#31

Cyclohexane

Concen: 43.945 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

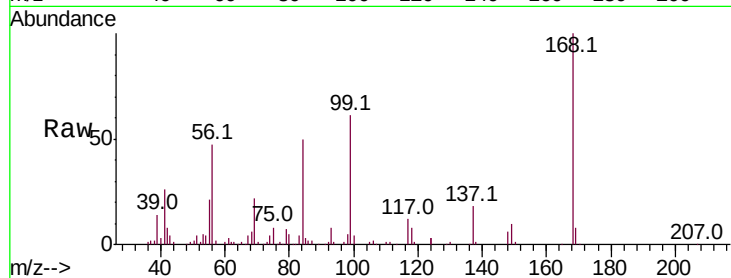
Tot Ion: 56 Resp: 105997

Ion Ratio Lower Upper

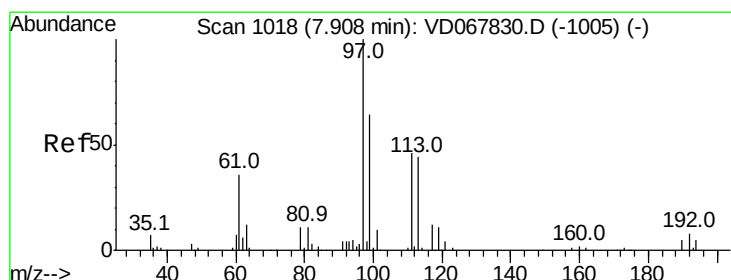
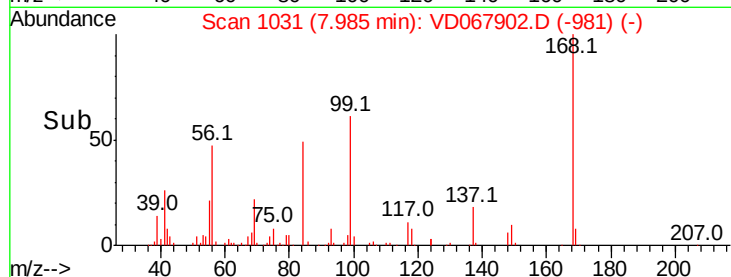
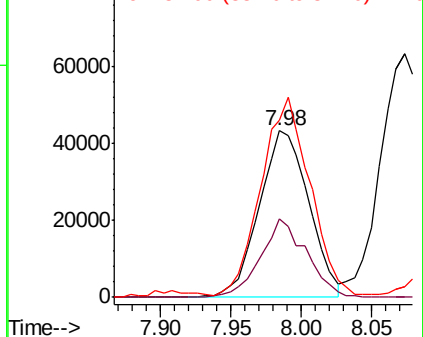
56 100

69 47.4 32.1 48.1

84 103.7 93.2 139.8



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



#32

1,1,1-Trichloroethane

Concen: 49.842 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

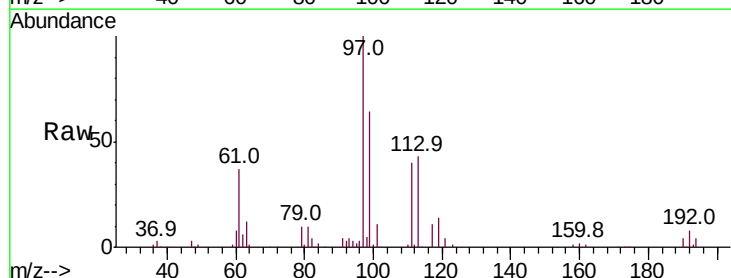
Tgt Ion: 97 Resp: 202659

Ion Ratio Lower Upper

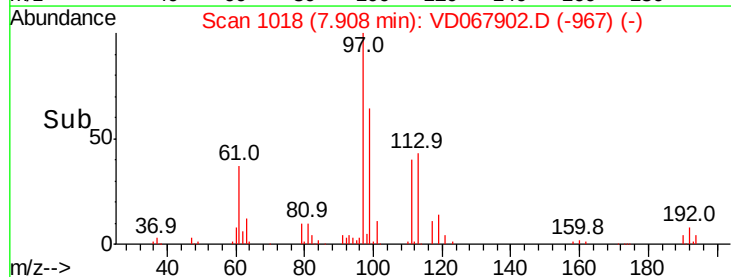
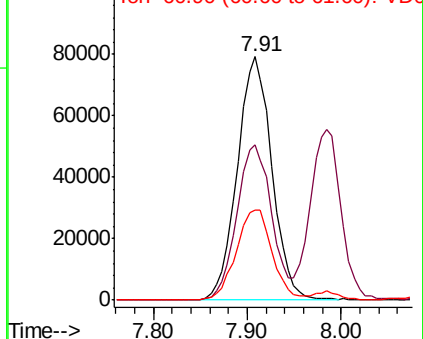
97 100

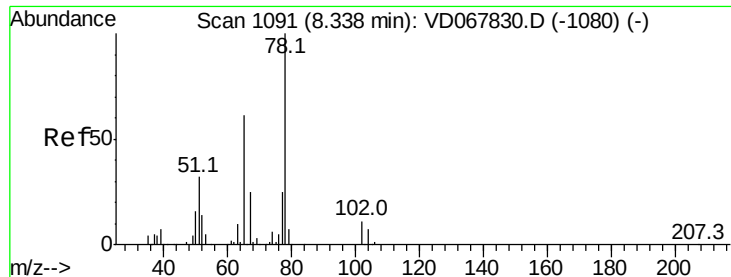
99 65.0 51.4 77.2

61 38.1 30.8 46.2



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

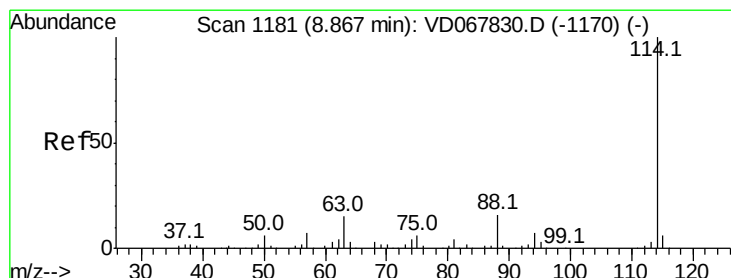
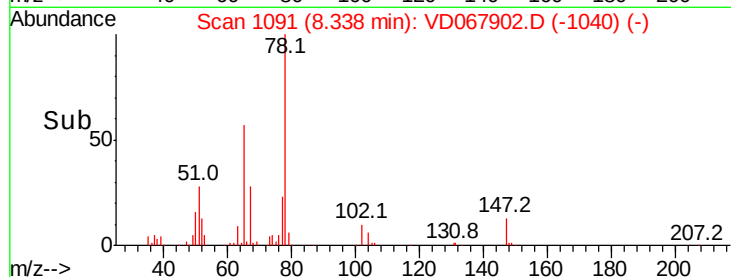
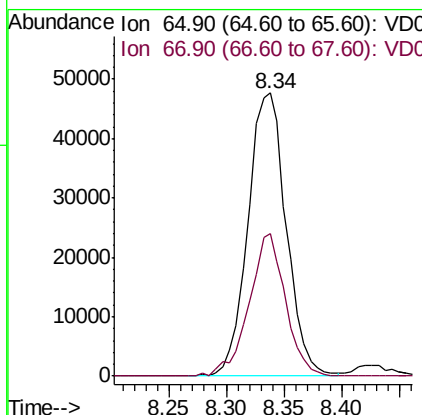
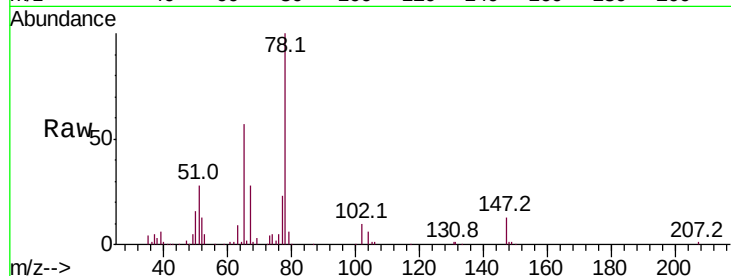




#33
 1,2-Dichloroethane-d4
 Concen: 48.104 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

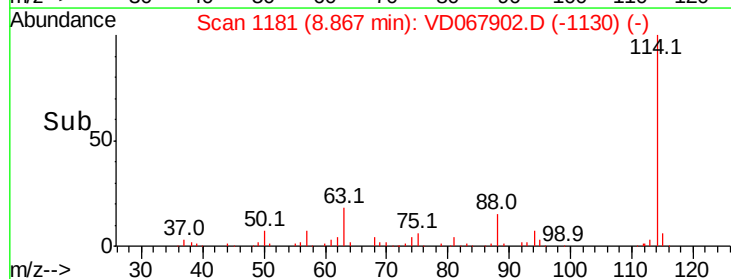
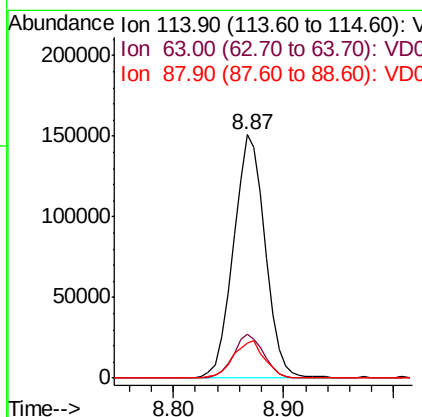
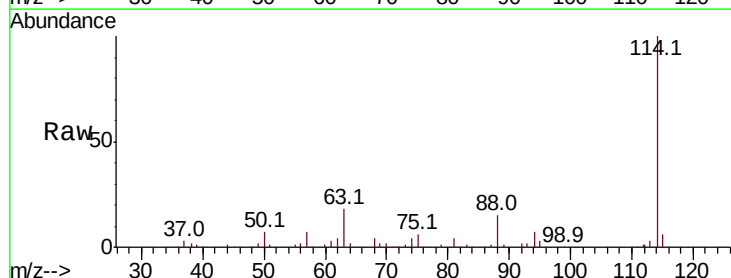
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

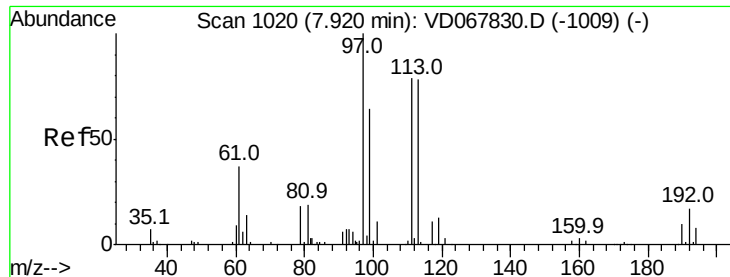
Tot Ion: 65 Resp: 110129
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion: 114 Resp: 304067
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 30.8
 88 14.5 0.0 31.8

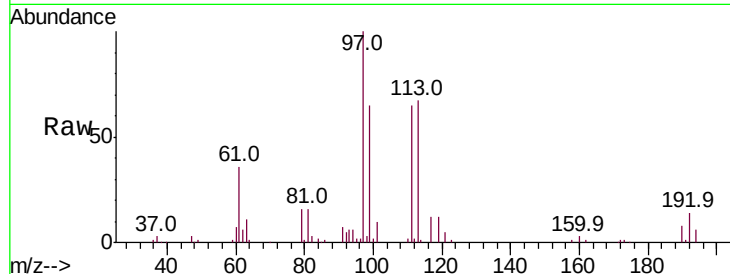




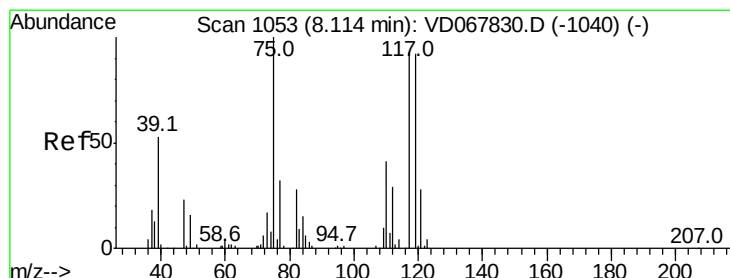
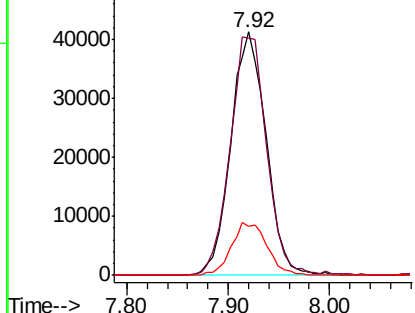
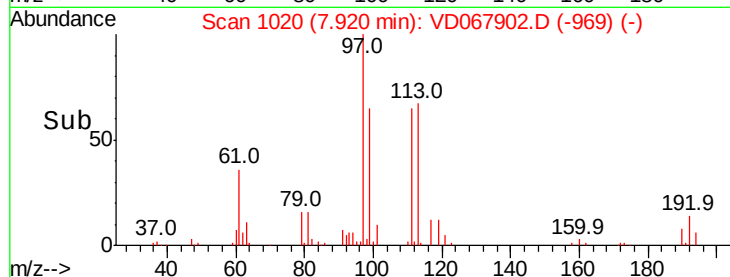
#35
 Dibromofluoromethane
 Concen: 48.908 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 99511
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.2 121.8
 192 21.9 16.8 25.2

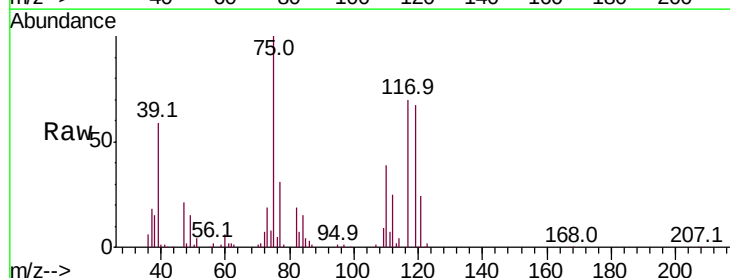


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

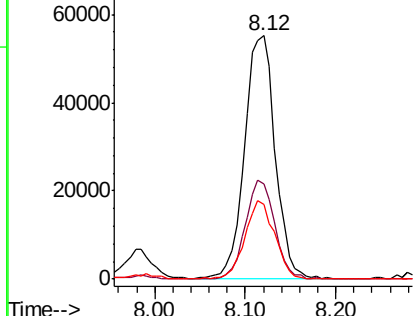
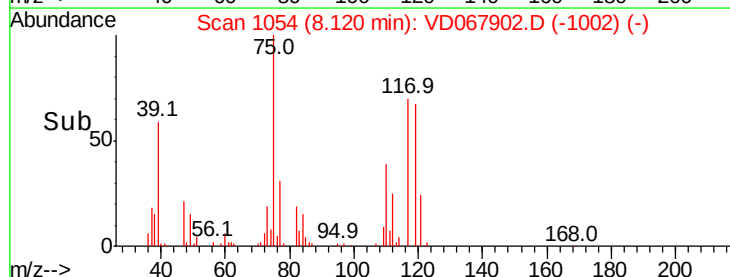


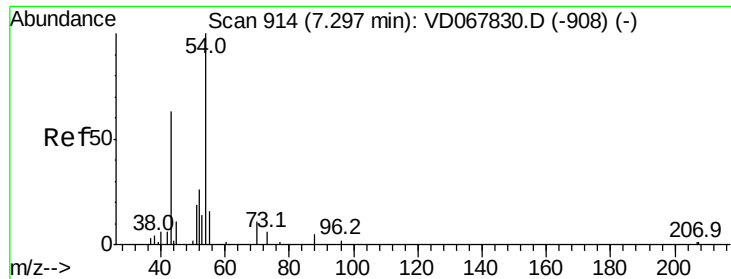
#36
 1,1-Dichloropropene
 Concen: 49.392 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion: 75 Resp: 130013
 Ion Ratio Lower Upper
 75 100
 110 38.7 20.3 61.0
 77 31.4 24.7 37.1



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

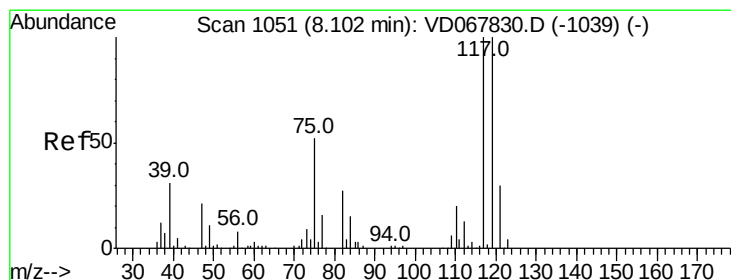
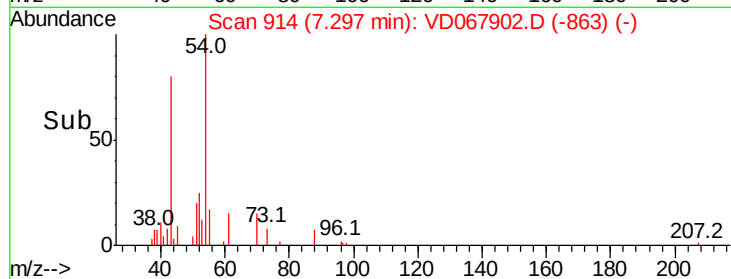
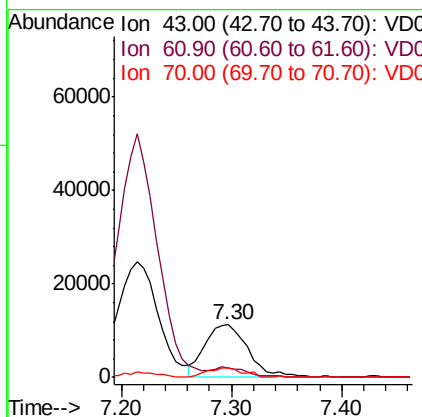
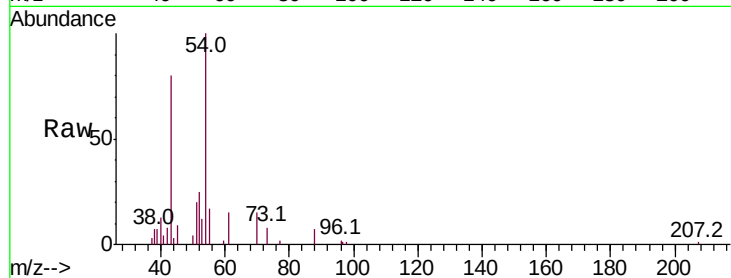




#37
Ethyl Acetate
Concen: 43.428 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

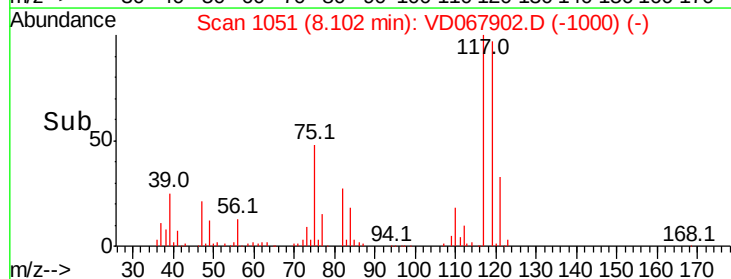
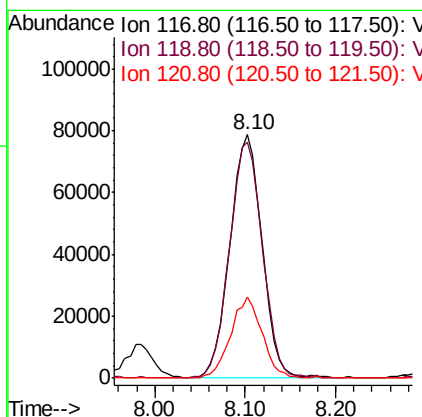
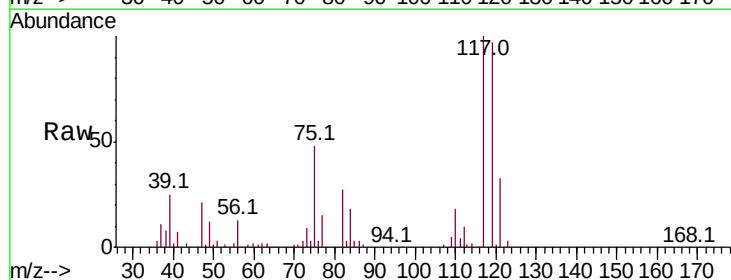
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

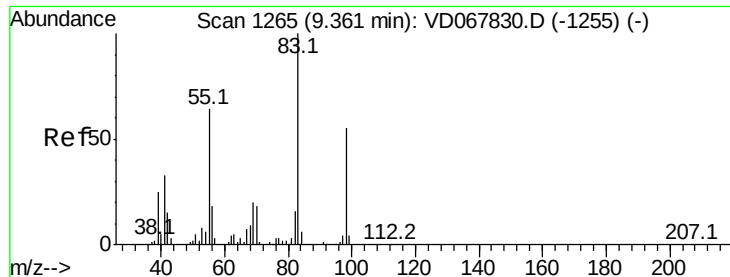
Tot Ion: 43 Resp: 30810
Ion Ratio Lower Upper
43 100
61 14.5 11.4 17.2
70 16.3 11.5 17.3



#38
Carbon Tetrachloride
Concen: 48.835 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 117 Resp: 194498
Ion Ratio Lower Upper
117 100
119 96.7 79.7 119.5
121 33.2 23.8 35.6

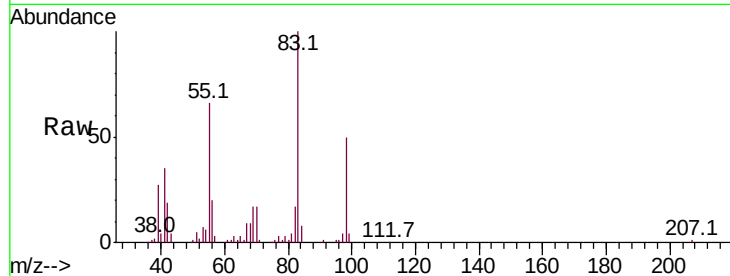




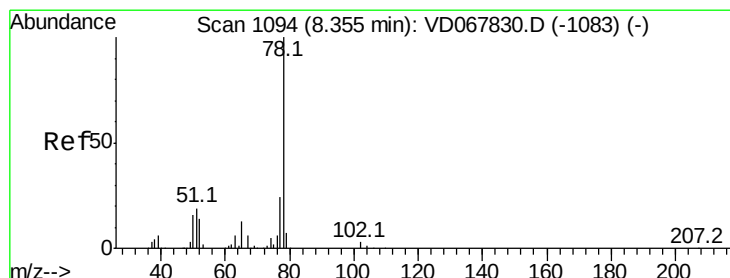
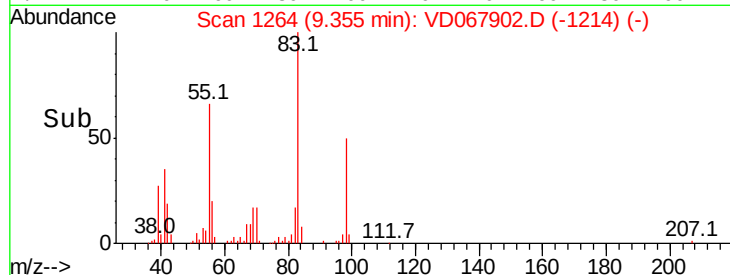
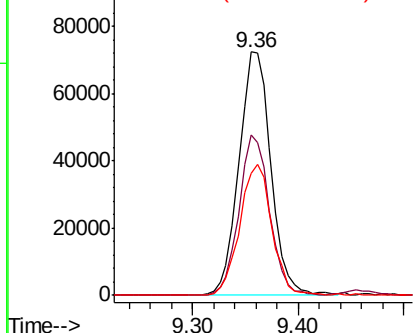
#39
Methylvlcyclohexane
Concen: 48.789 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 152192
Ion Ratio Lower Upper
83 100
55 65.7 51.6 77.4
98 50.0 44.3 66.5

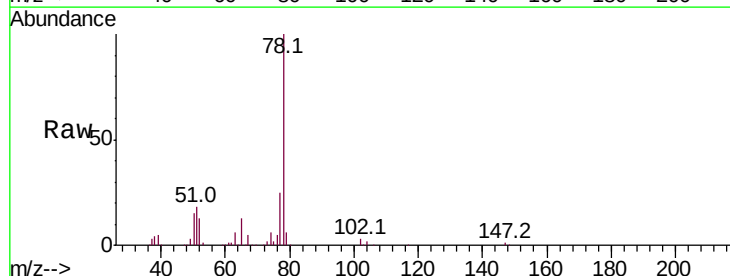


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

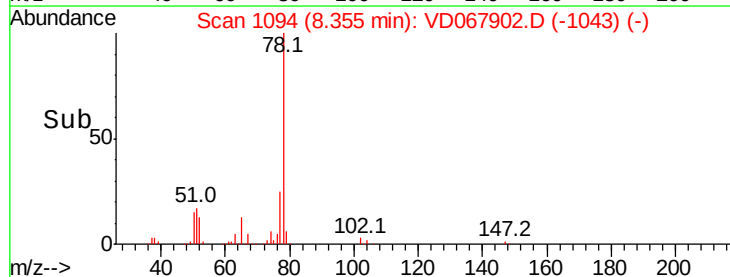
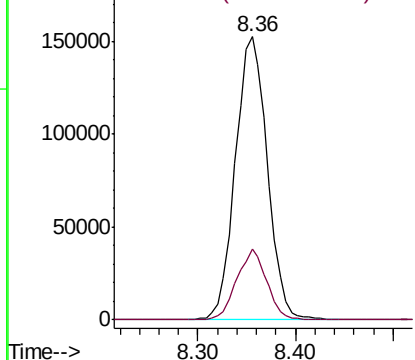


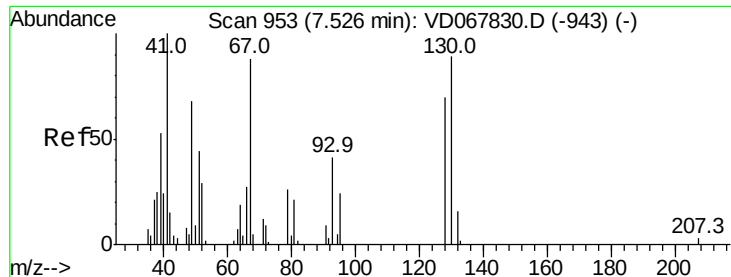
#40
Benzene
Concen: 48.367 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 78 Resp: 348371
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7



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

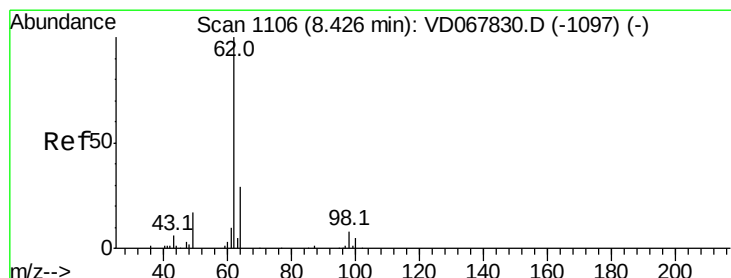
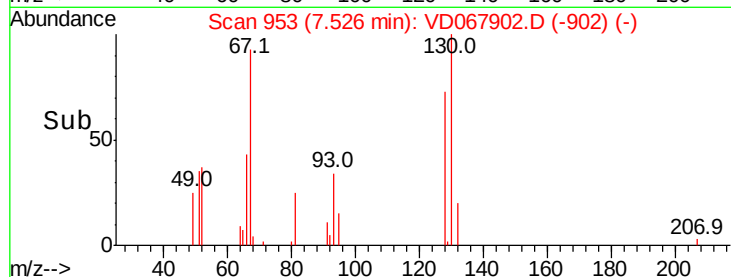
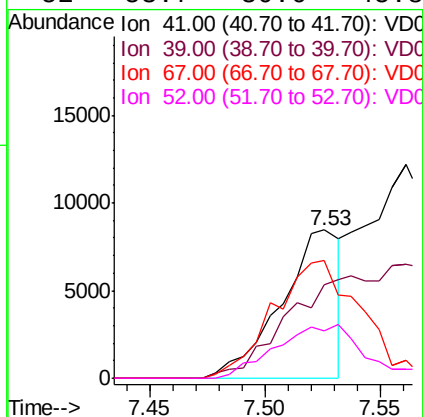
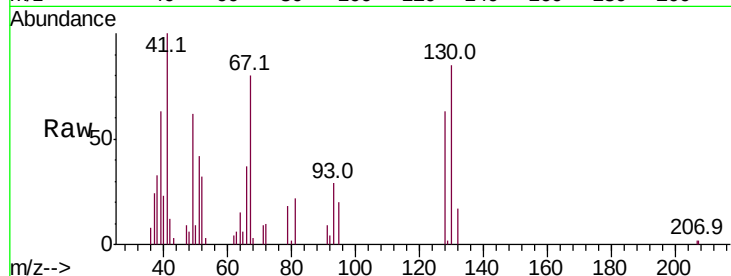




#41
Methacrylonitrile
Concen: 44.370 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

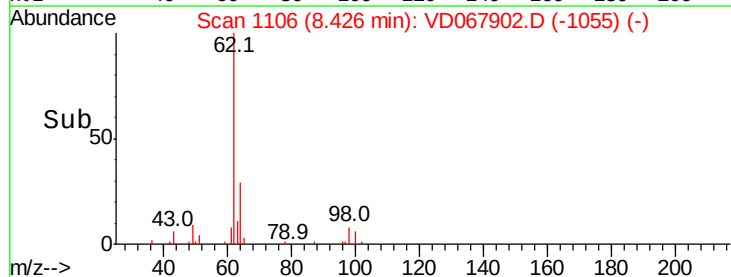
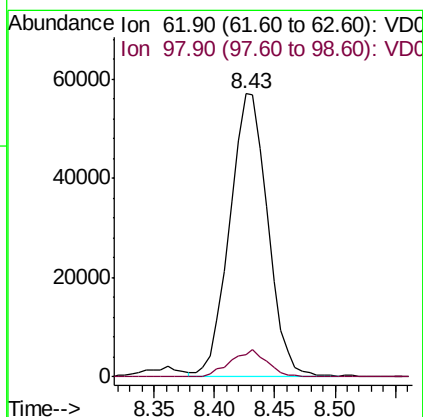
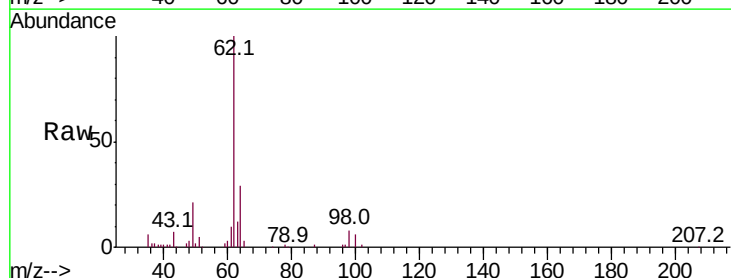
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

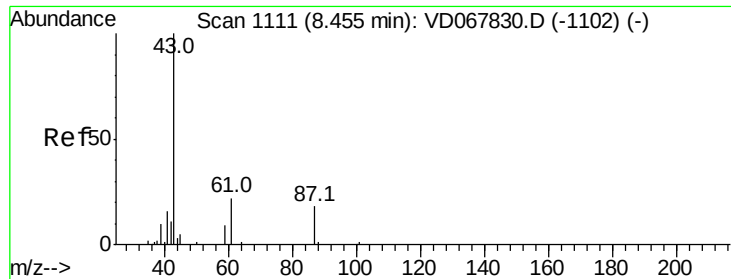
Tot Ion: 41 Resp: 15118
Ion Ratio Lower Upper
41 100
39 0.0 42.1 63.1#
67 117.3 82.4 123.6
52 53.7 30.6 45.8#



#42
1,2-Dichloroethane
Concen: 48.596 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 62 Resp: 124749
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.2





#43

Isopropyl Acetate

Concen: 46.543 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

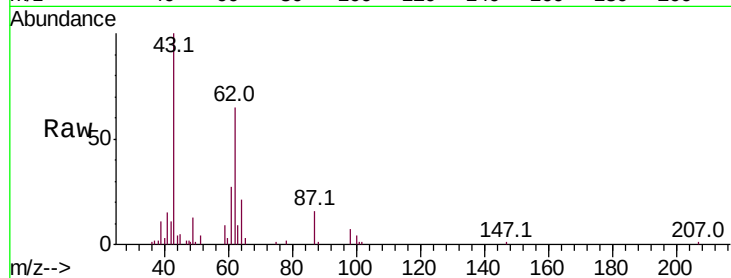
Tot Ion: 43 Resp: 64970

Ion Ratio Lower Upper

43 100

61 37.3 30.4 45.6

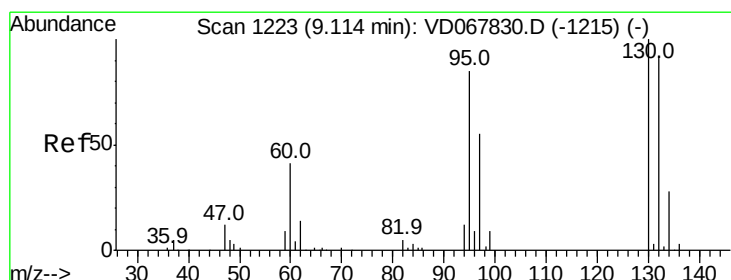
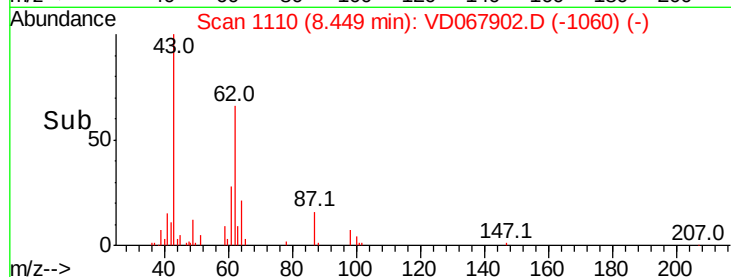
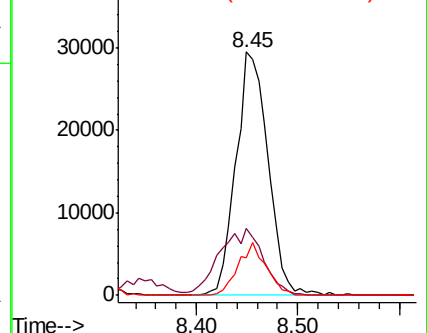
87 18.8 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.569 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067902.D

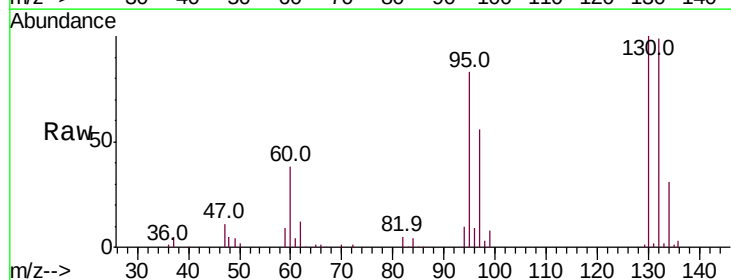
Acq: 07 Dec 2020 16:25

Tgt Ion:130 Resp: 120275

Ion Ratio Lower Upper

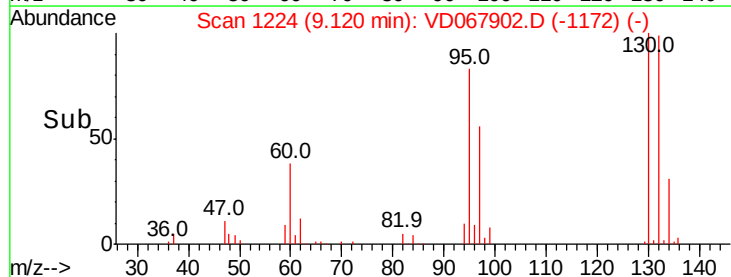
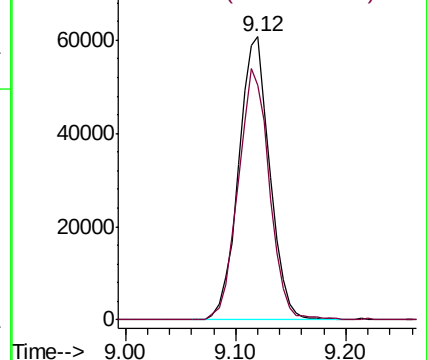
130 100

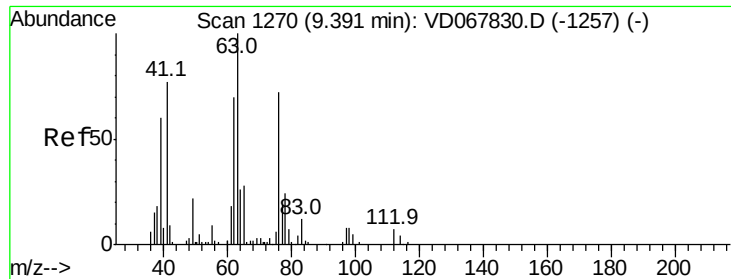
95 83.0 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

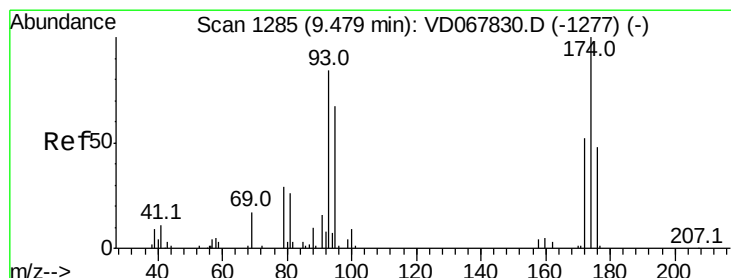
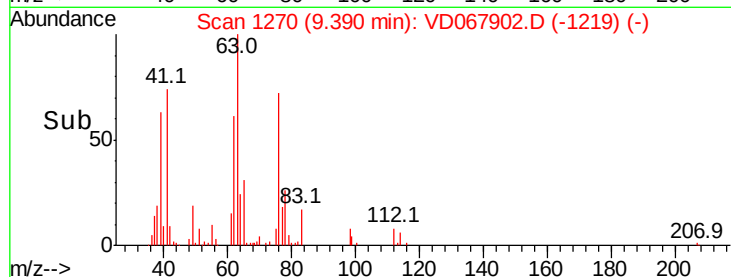
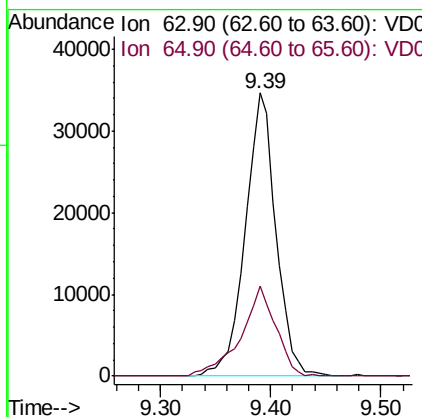
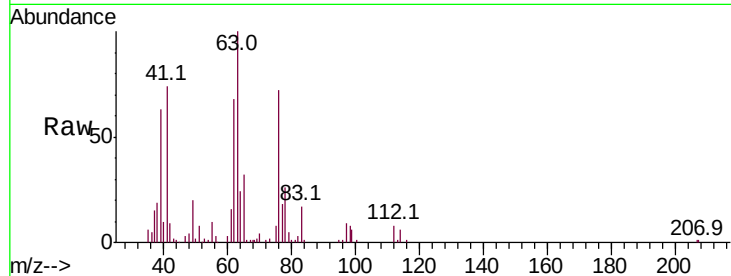




#45
 1,2-Dichloropropane
 Concen: 45.779 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

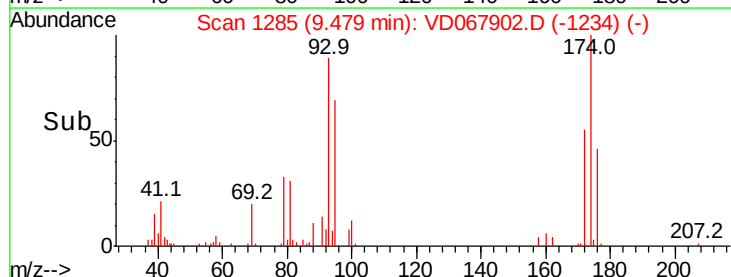
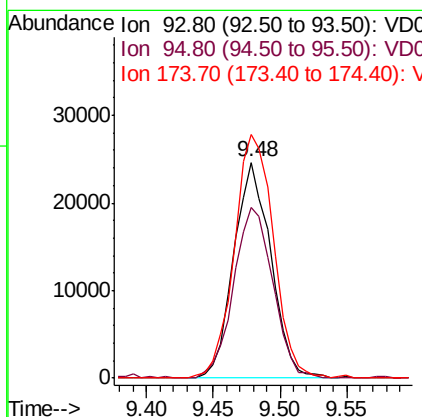
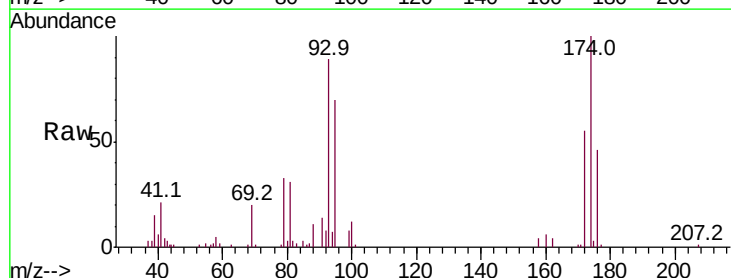
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

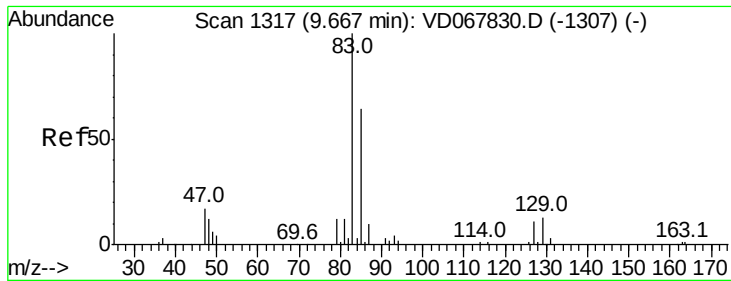
Tot Ion: 63 Resp: 67676
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.8 34.2



#46
 Dibromomethane
 Concen: 46.219 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion: 93 Resp: 47505
 Ion Ratio Lower Upper
 93 100
 95 83.5 64.2 96.4
 174 119.4 91.5 137.3





#47

Bromodichloromethane

Concen: 48.916 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

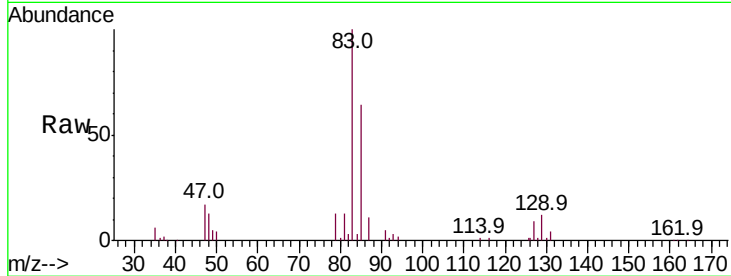
Tot Ion: 83 Resp: 143334

Ion Ratio Lower Upper

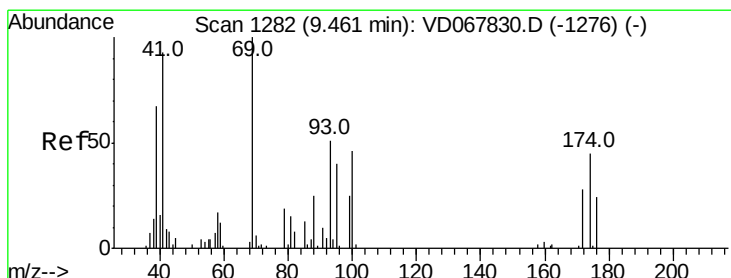
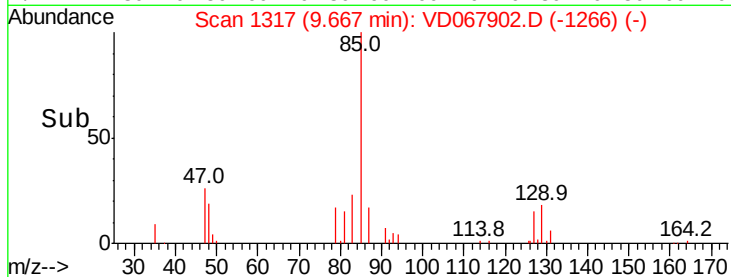
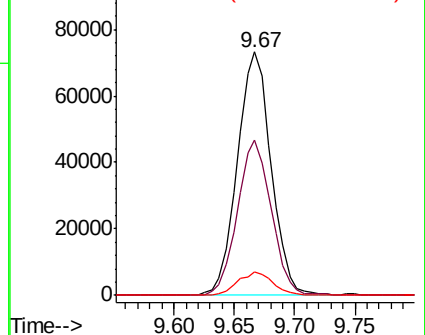
83 100

85 64.0 51.4 77.0

127 9.4 8.5 12.7



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: 45.920 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

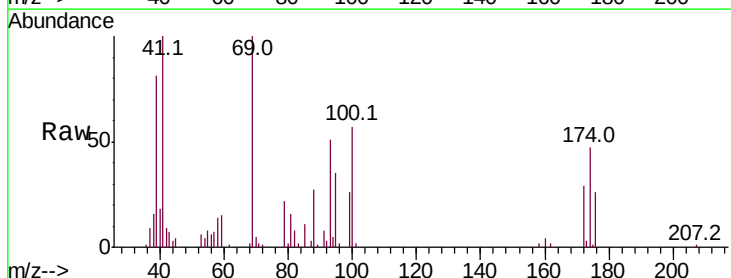
Tgt Ion: 41 Resp: 32549

Ion Ratio Lower Upper

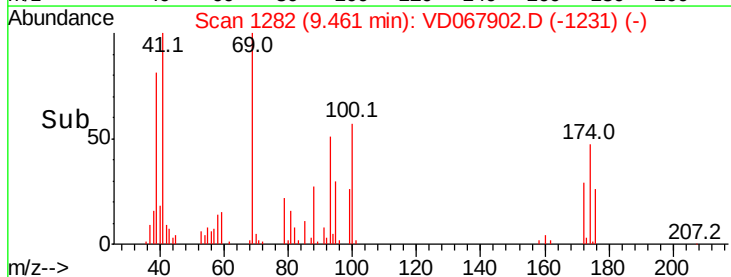
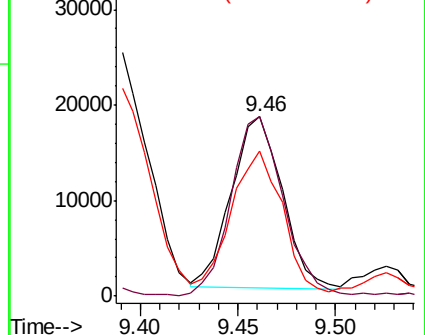
41 100

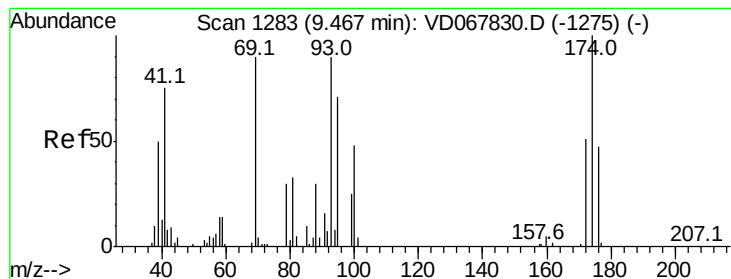
69 107.2 87.6 131.4

39 81.7 61.2 91.8



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: 839.623 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

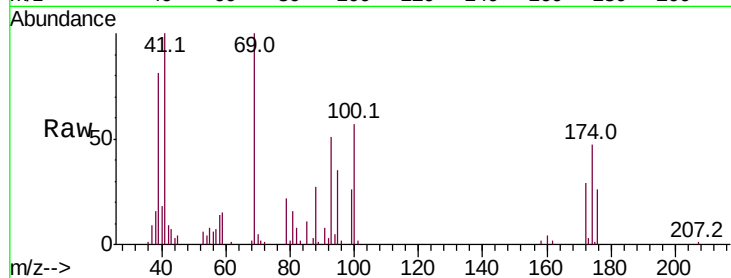
Tot Ion: 88 Resp: 9861

Ion Ratio Lower Upper

88 100

43 30.6 30.1 45.1

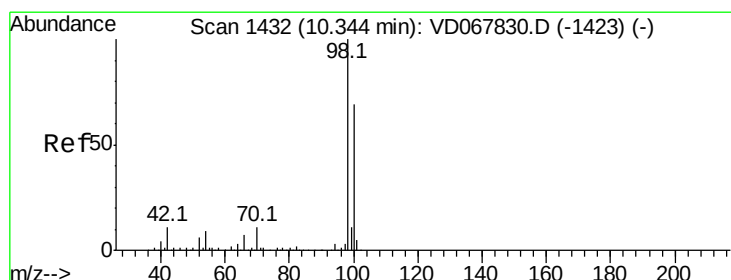
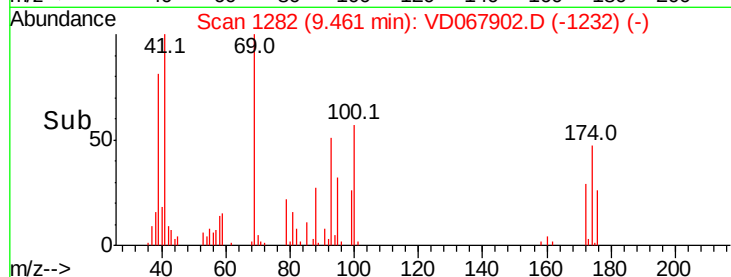
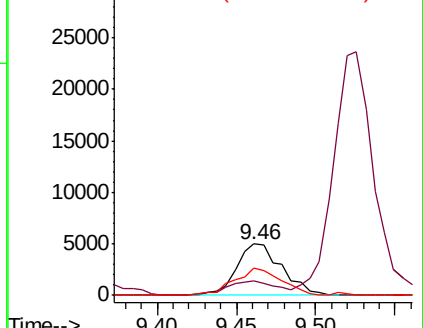
58 55.1 42.4 63.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.437 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067902.D

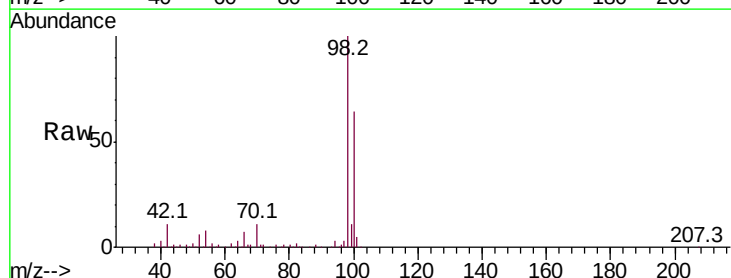
Acq: 07 Dec 2020 16:25

Tgt Ion: 98 Resp: 362093

Ion Ratio Lower Upper

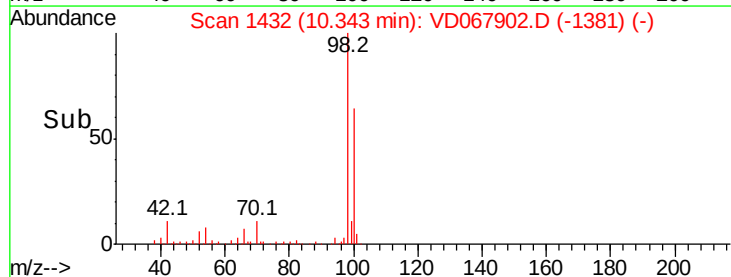
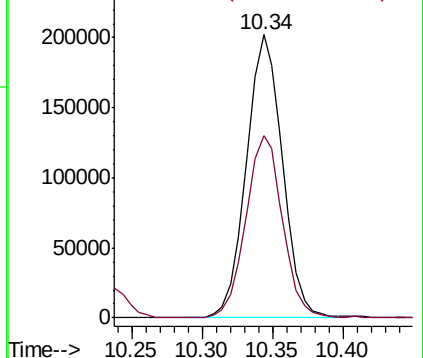
98 100

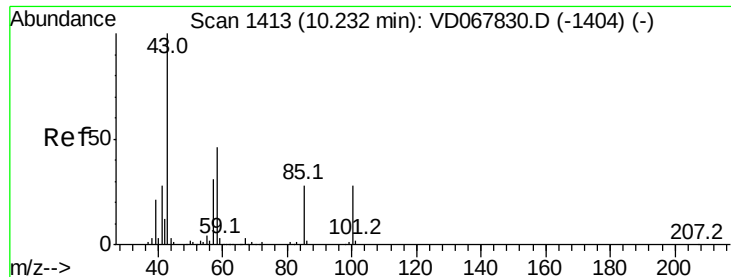
100 66.0 52.9 79.3



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: 229.222 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

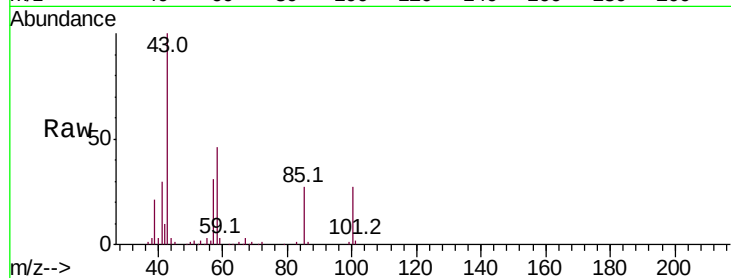
VSTDCCC050EC

Tot Ion: 43 Resp: 151439

Ion Ratio Lower Upper

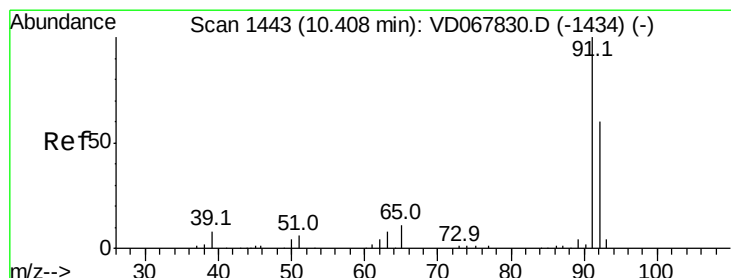
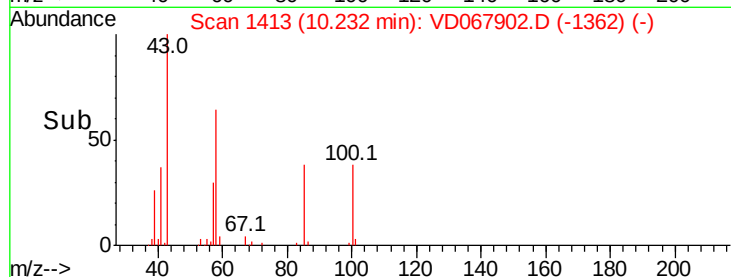
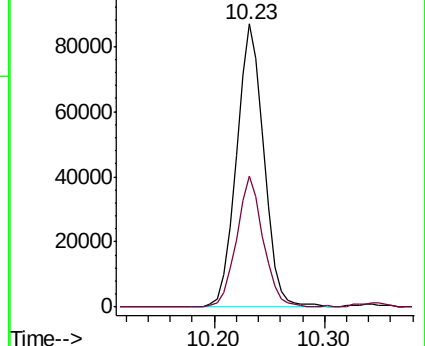
43 100

58 44.9 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.339 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067902.D

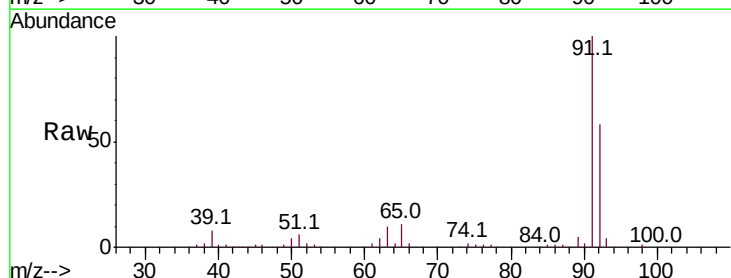
Acq: 07 Dec 2020 16:25

Tgt Ion: 92 Resp: 248462

Ion Ratio Lower Upper

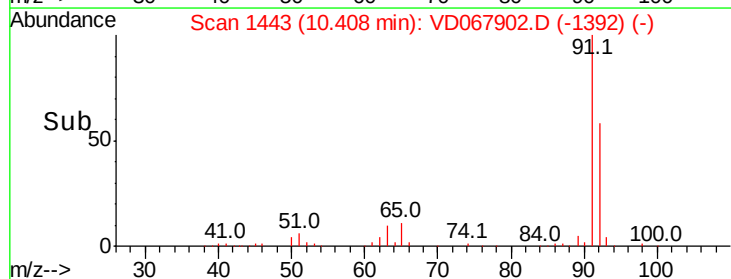
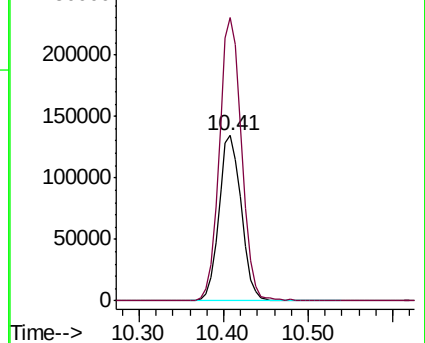
92 100

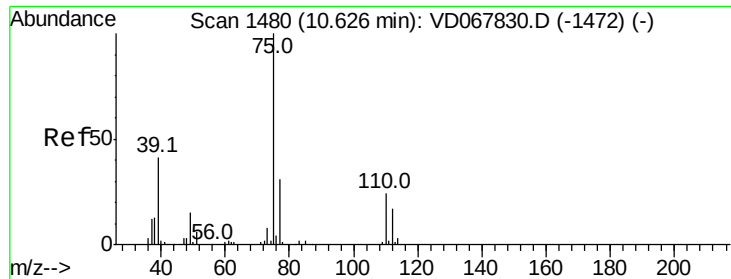
91 169.4 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 48.397 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

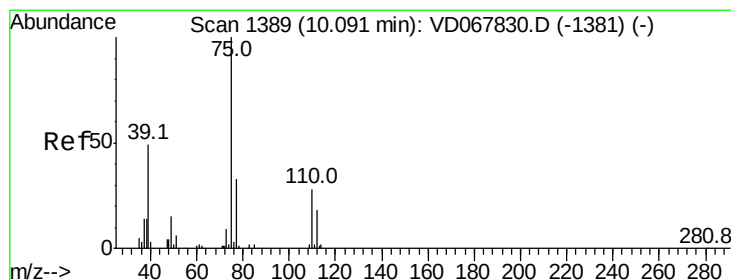
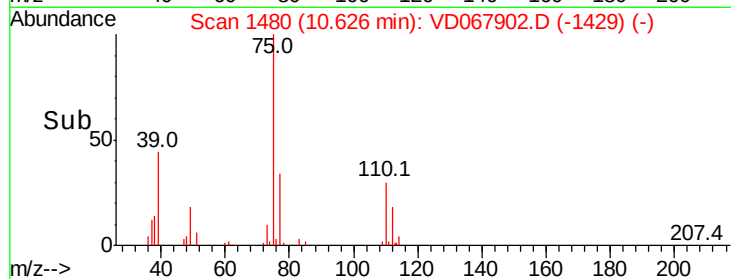
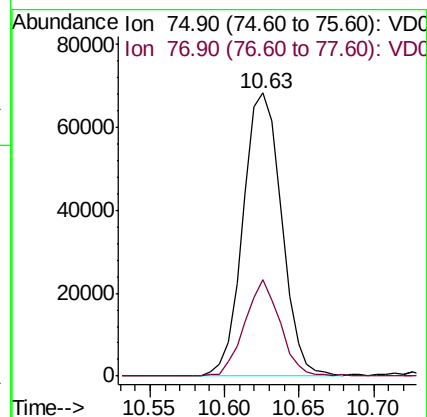
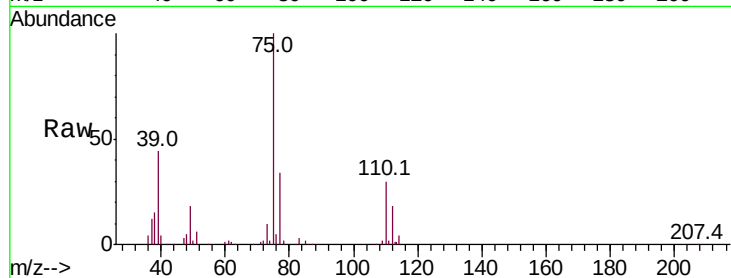
VSTDCCC050EC

Tot Ion: 75 Resp: 122401

Ion Ratio Lower Upper

75 100

77 33.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 48.510 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

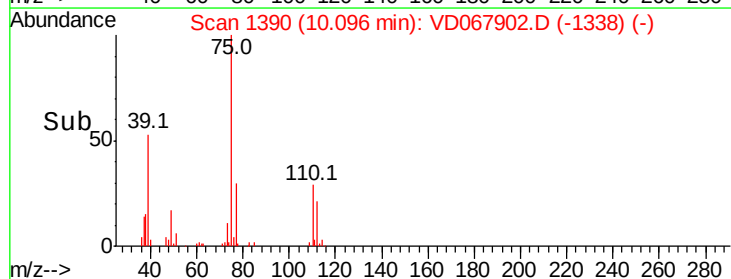
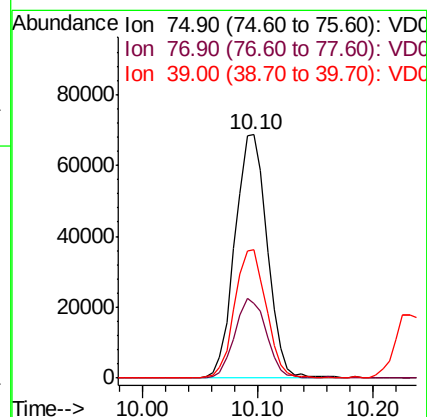
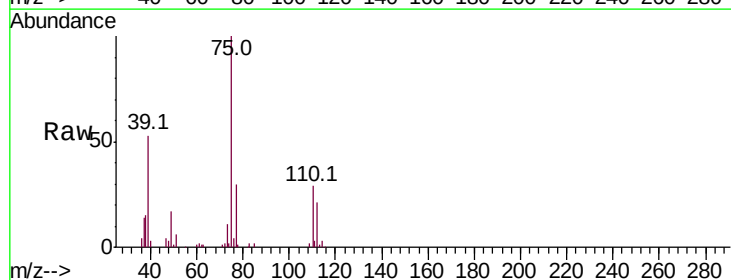
Tgt Ion: 75 Resp: 133452

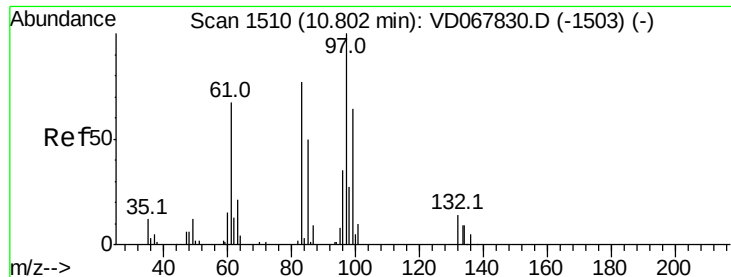
Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.2

39 52.6 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 46.246 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 65050

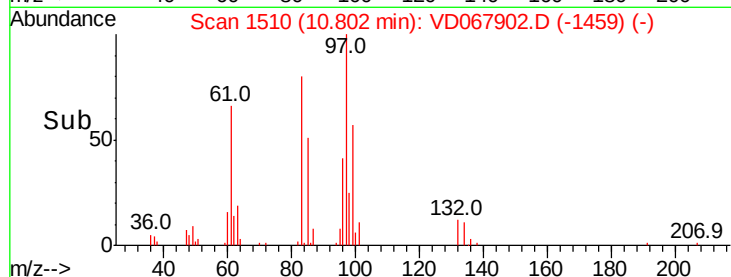
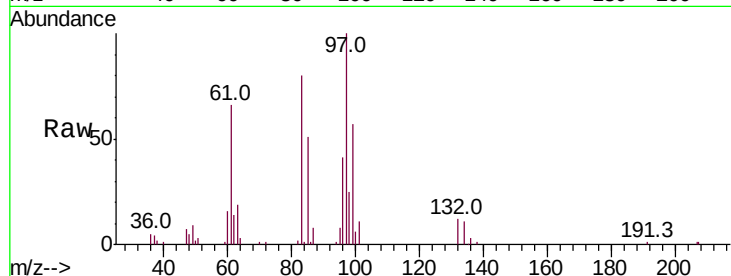
Ion	Ratio	Lower	Upper
97	100		
83	79.0	61.9	92.9
85	51.5	40.2	60.4
99	56.4	51.0	76.6

97 100

83 79.0 61.9 92.9

85 51.5 40.2 60.4

99 56.4 51.0 76.6

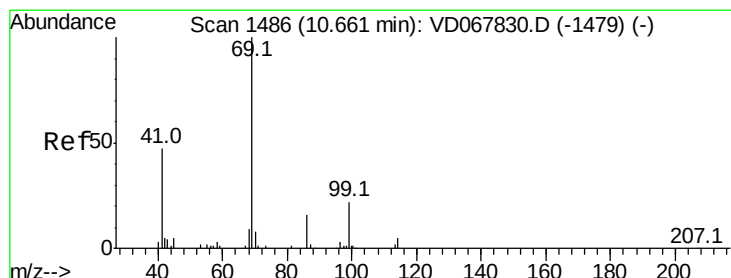
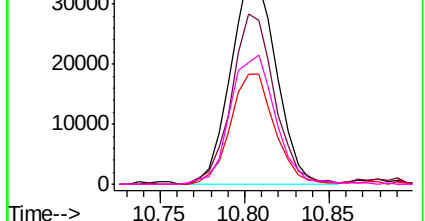


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 46.818 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

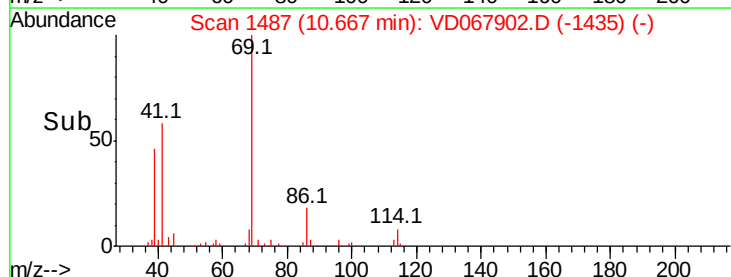
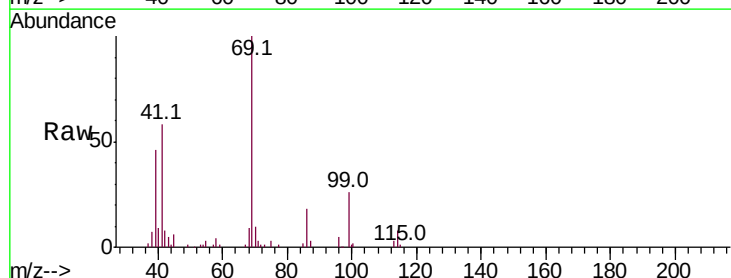
Tgt Ion: 69 Resp: 67003

Ion	Ratio	Lower	Upper
69	100		
41	54.4	42.8	64.2
39	40.3	30.5	45.7

69 100

41 54.4 42.8 64.2

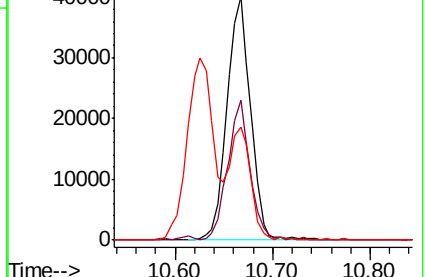
39 40.3 30.5 45.7

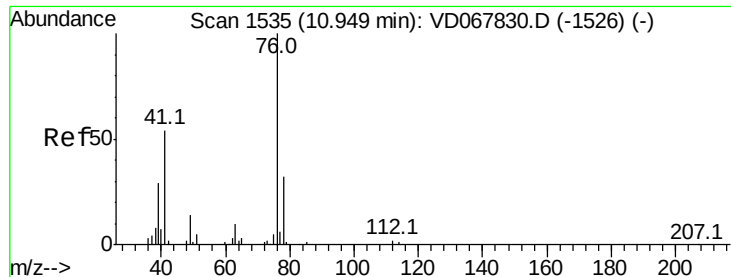


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 45.276 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

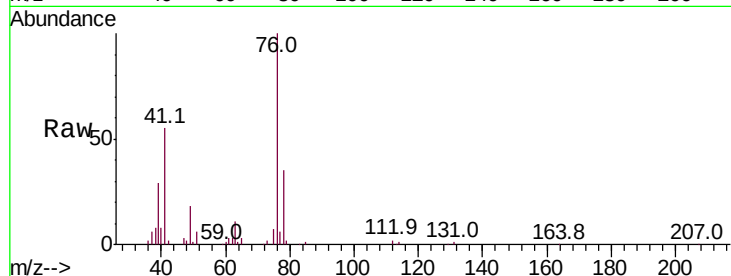
VSTDCCC050EC

Tot Ion: 76 Resp: 100880

Ion Ratio Lower Upper

76 100

78 34.4 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

60000

50000

40000

30000

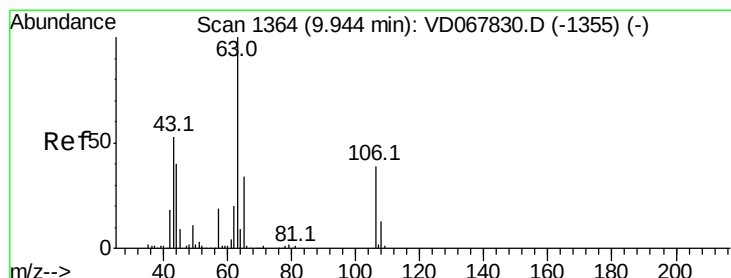
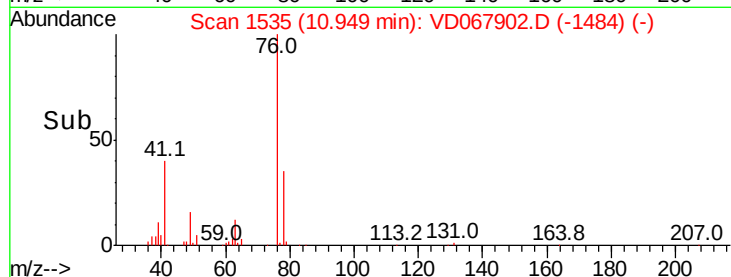
20000

10000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 257.675 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067902.D

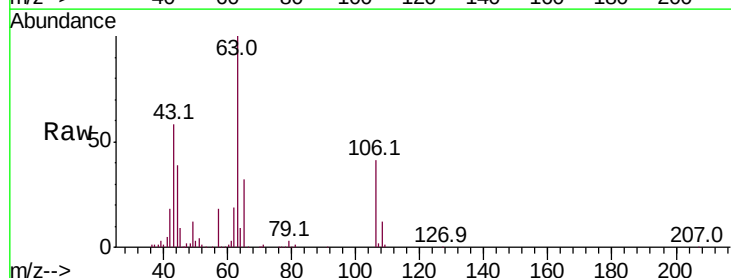
Acq: 07 Dec 2020 16:25

Tgt Ion: 63 Resp: 167803

Ion Ratio Lower Upper

63 100

106 40.4 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

100000

80000

60000

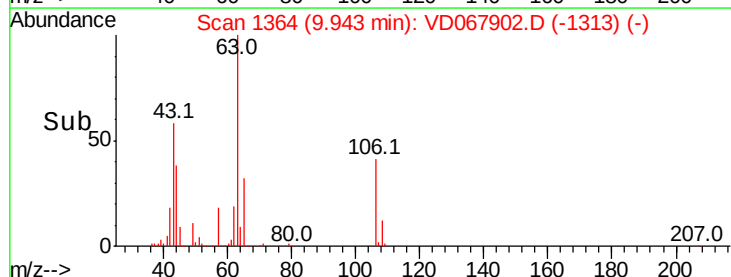
40000

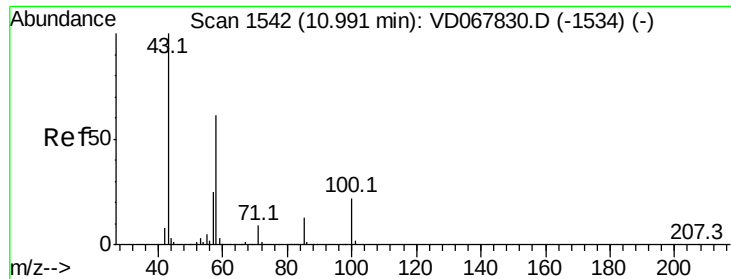
20000

0

Time-->

9.90 10.00

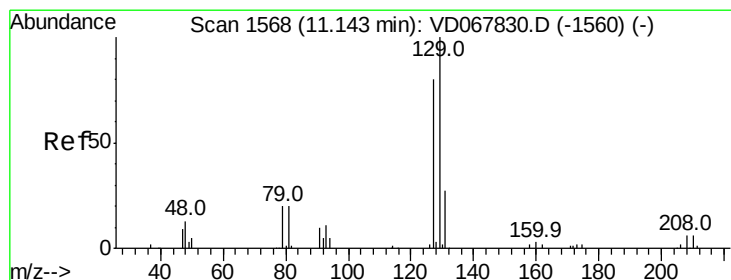
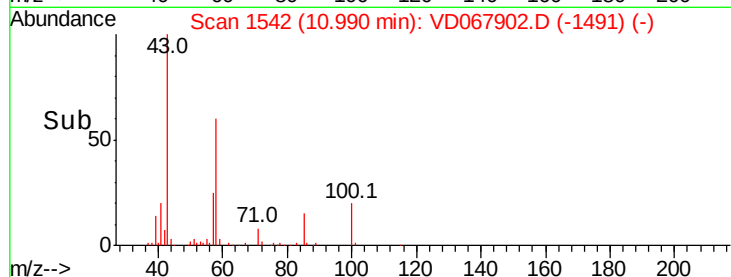
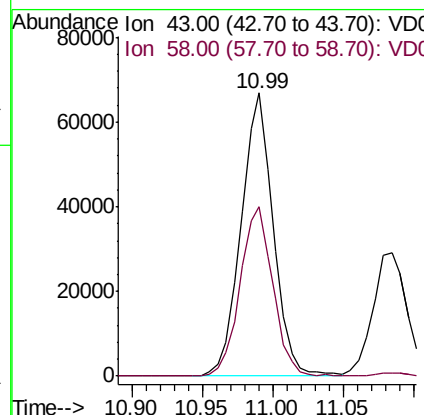
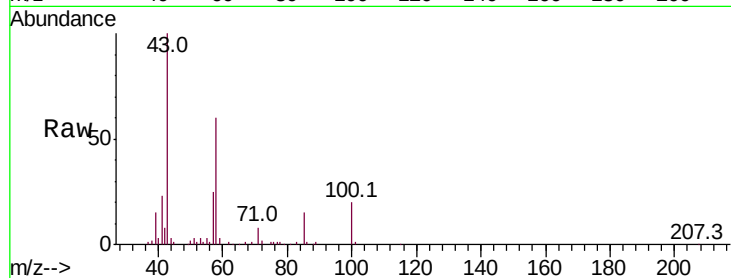




#59
2-Hexanone
Concen: 228.236 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

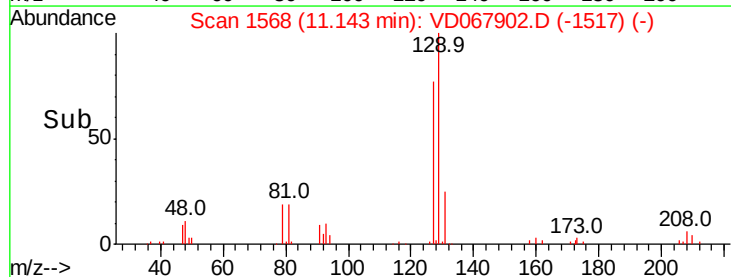
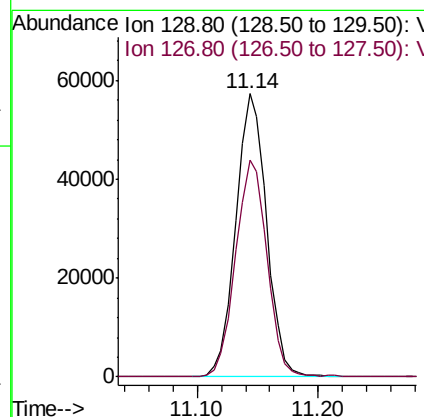
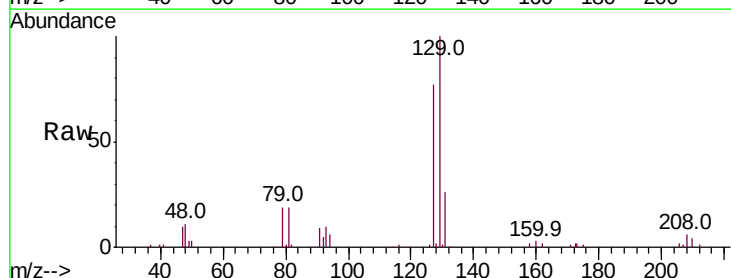
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

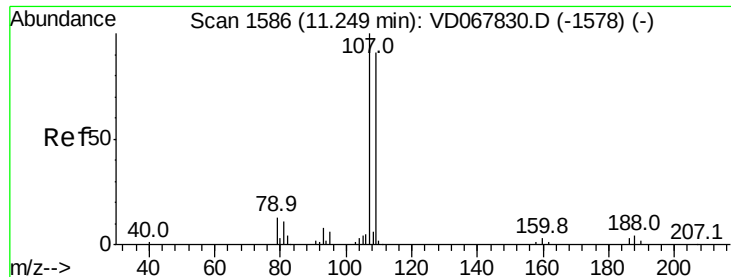
Tot Ion: 43 Resp: 106297
Ion Ratio Lower Upper
43 100
58 60.7 29.9 89.7



#60
Dibromochloromethane
Concen: 48.060 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 129 Resp: 101903
Ion Ratio Lower Upper
129 100
127 78.0 39.2 117.6

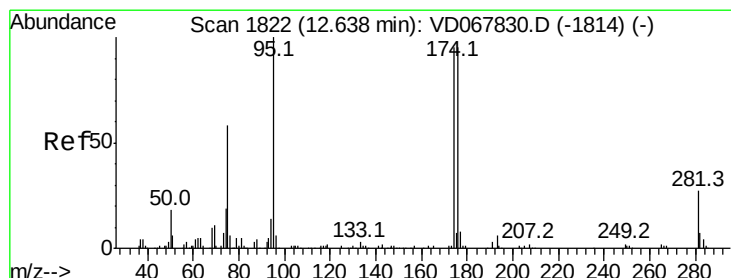
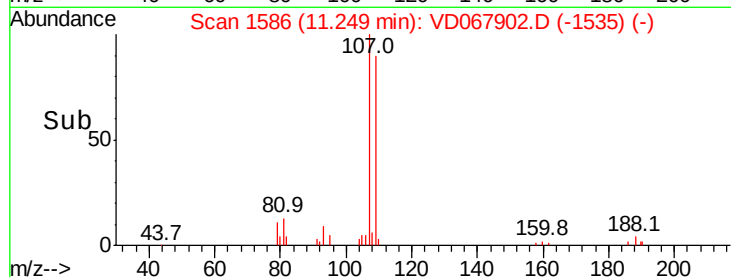
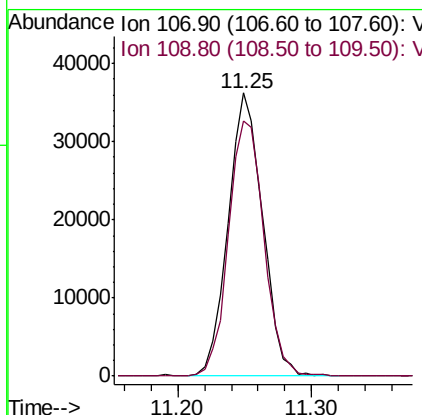
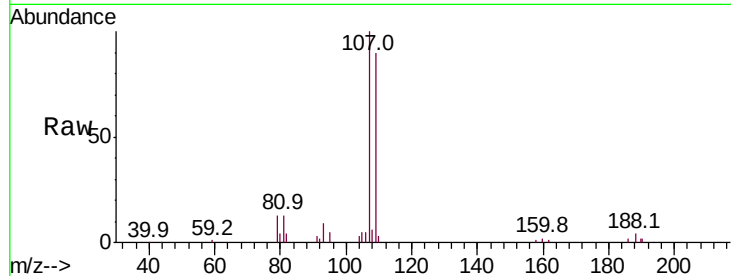




#61
 1,2-Dibromoethane
 Concen: 47.218 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

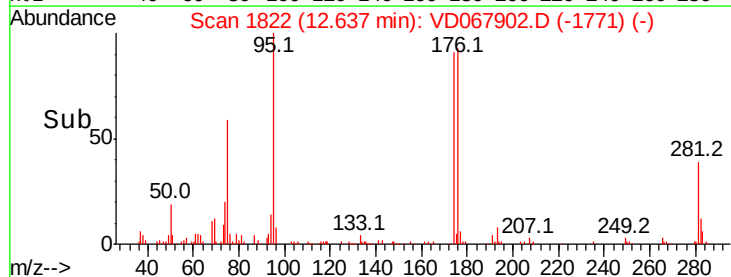
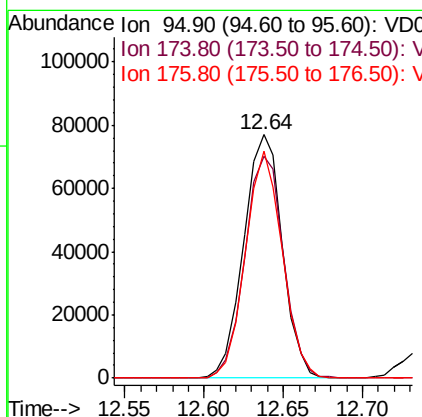
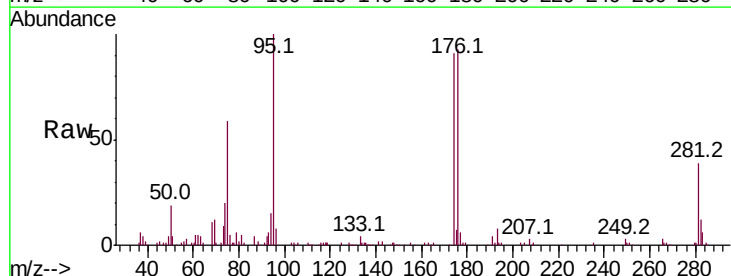
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

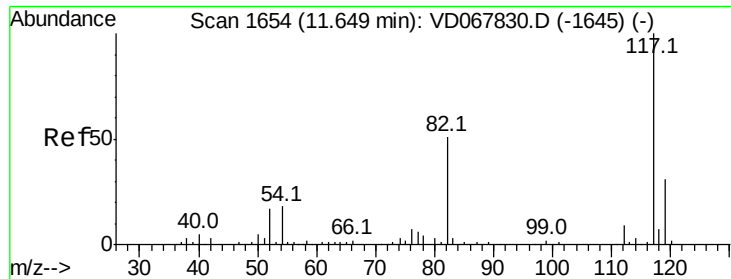
Tot Ion:107 Resp: 65314
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.265 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion: 95 Resp: 129815
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 186.0
 176 89.2 0.0 184.2

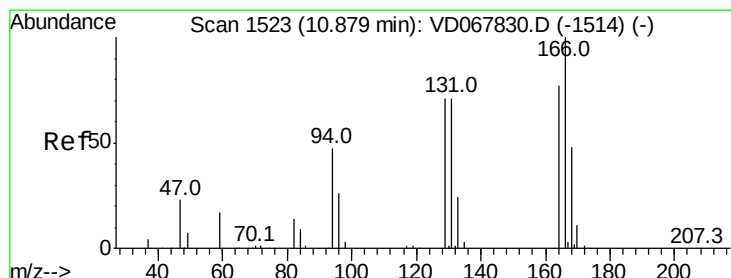
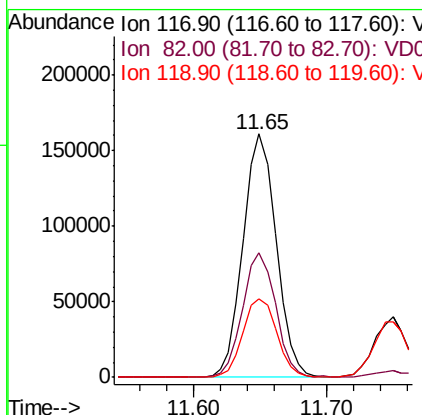
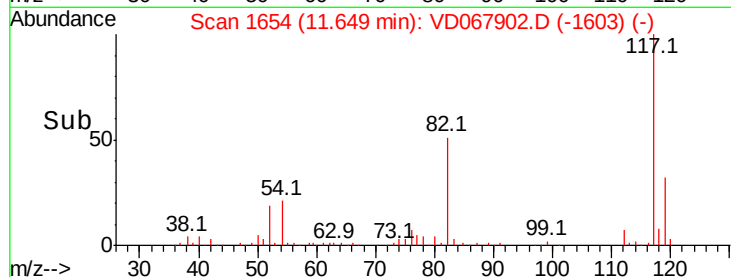
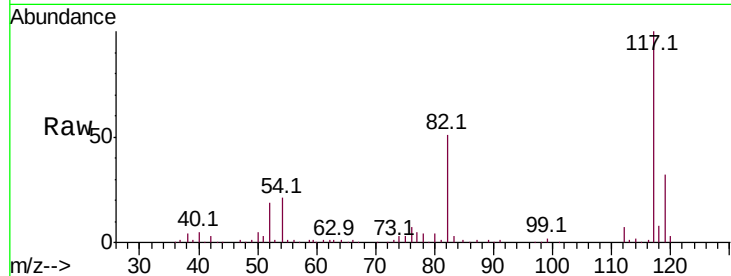




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

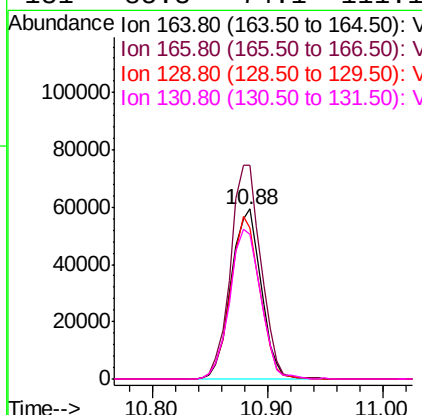
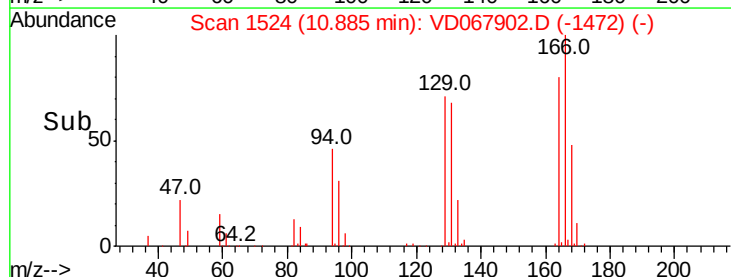
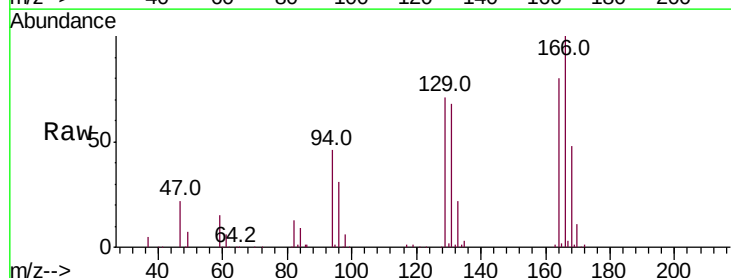
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

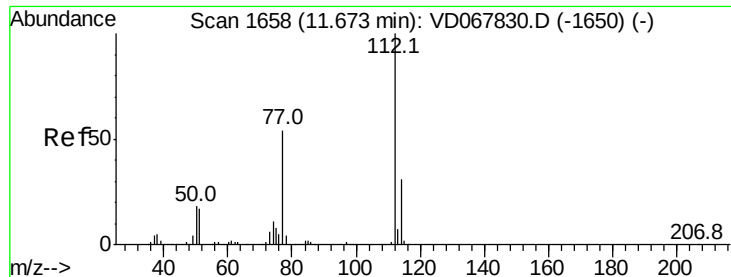
Tot Ion:117 Resp: 276943
Ion Ratio Lower Upper
117 100
82 51.1 40.6 60.8
119 32.3 25.1 37.7



#64
Tetrachloroethene
Concen: 47.646 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion:164 Resp: 107631
Ion Ratio Lower Upper
164 100
166 125.7 103.8 155.6
129 88.7 73.3 109.9
131 85.3 74.1 111.1

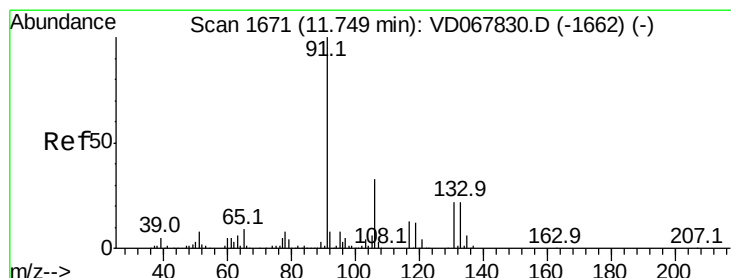
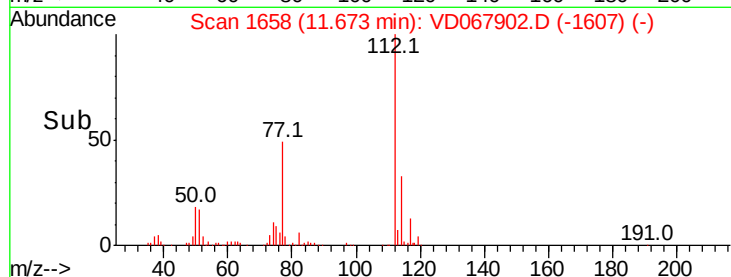
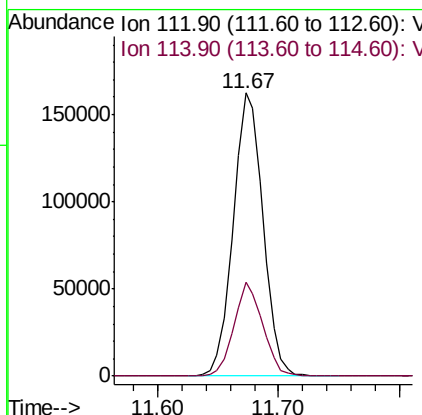
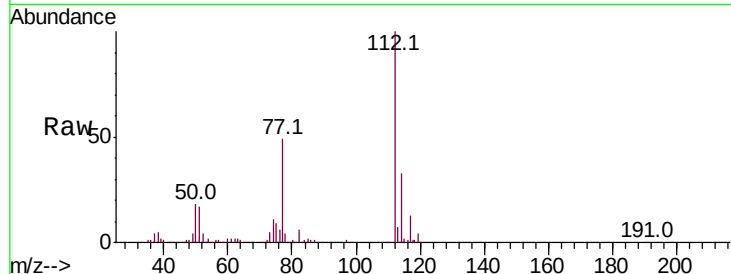




#65
Chlorobenzene
Concen: 49.040 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

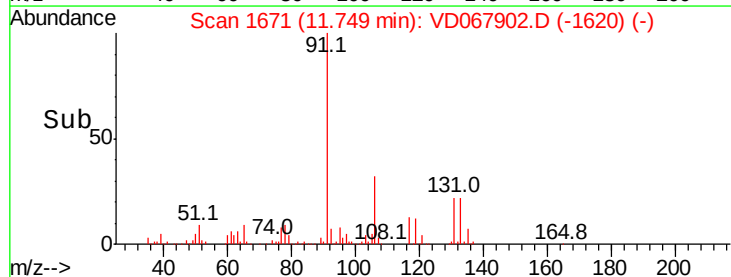
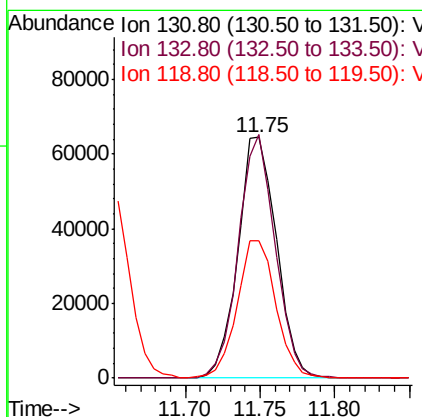
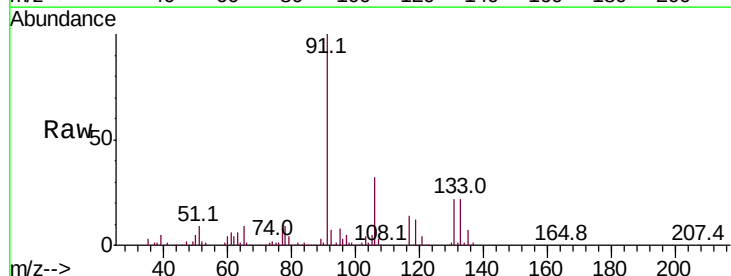
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

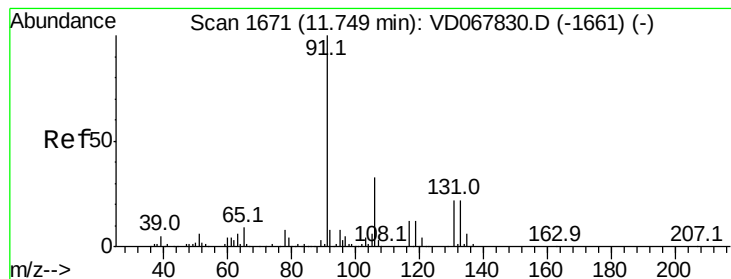
Tot Ion:112 Resp: 280233
Ion Ratio Lower Upper
112 100
114 33.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.397 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion:131 Resp: 115129
Ion Ratio Lower Upper
131 100
133 96.9 49.9 149.7
119 57.7 29.6 88.9





#67

Ethyl Benzene

Concen: 50.402 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

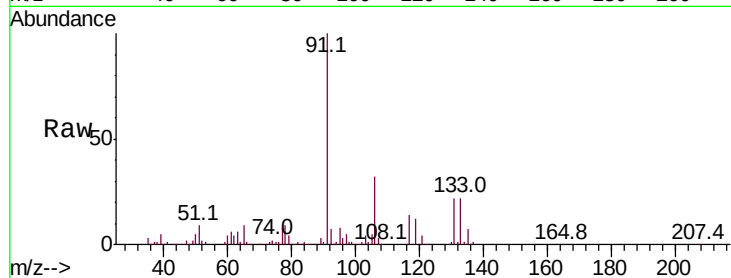
VSTDCCC050EC

Tot Ion: 91 Resp: 490637

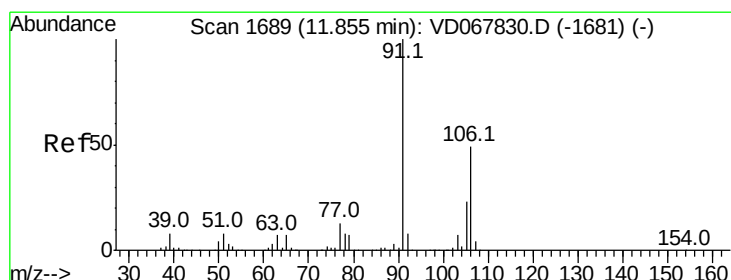
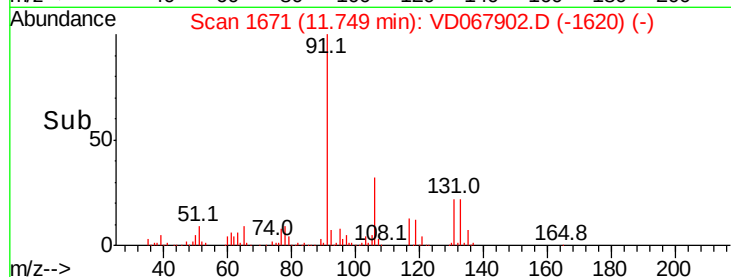
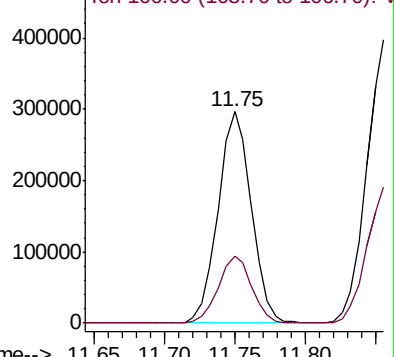
Ion Ratio Lower Upper

91 100

106 31.5 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 98.270 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067902.D

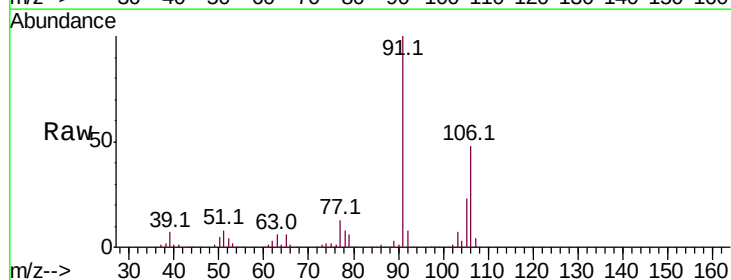
Acq: 07 Dec 2020 16:25

Tgt Ion: 106 Resp: 377199

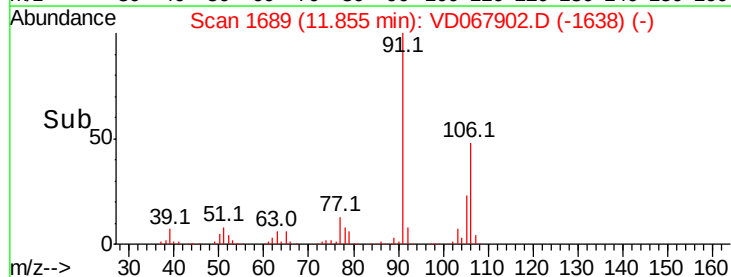
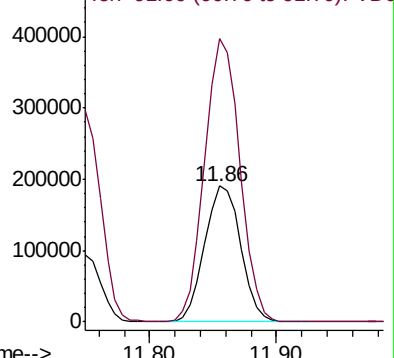
Ion Ratio Lower Upper

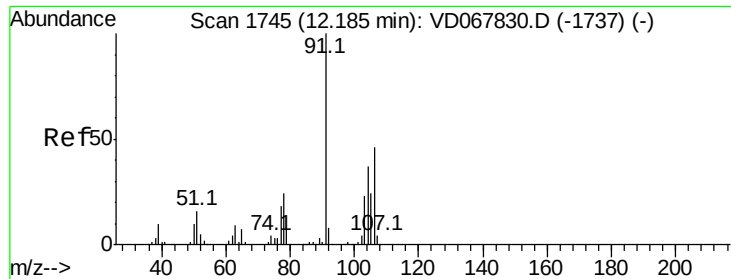
106 100

91 203.5 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

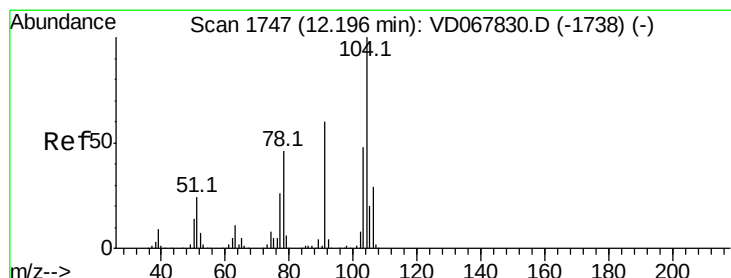
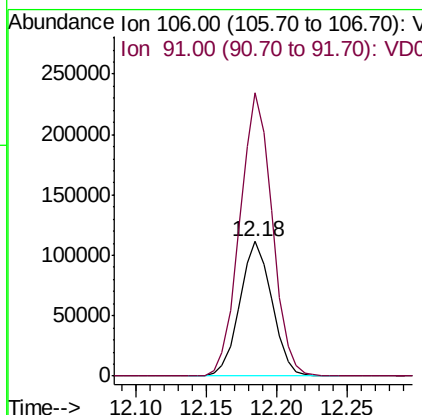
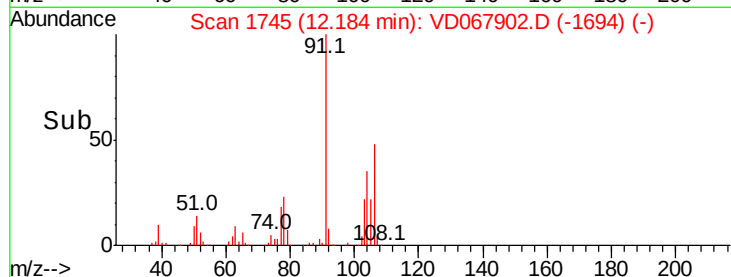
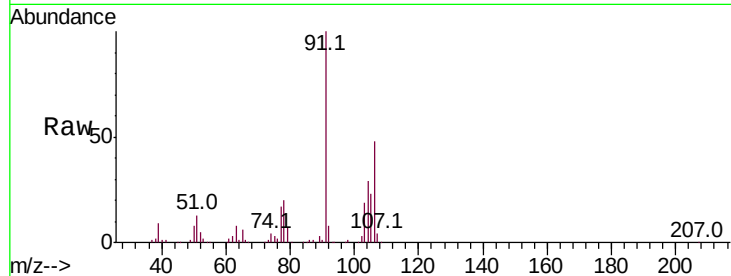




#69
o-Xylene
Concen: 52.377 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

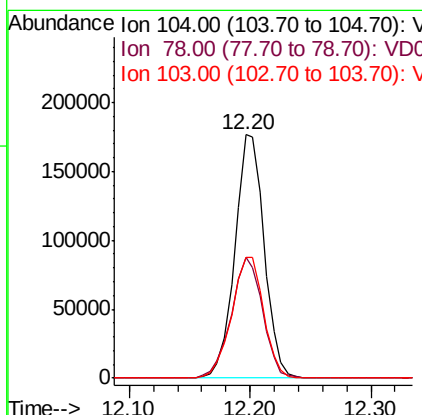
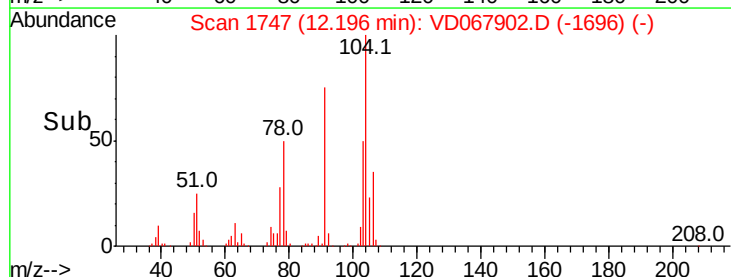
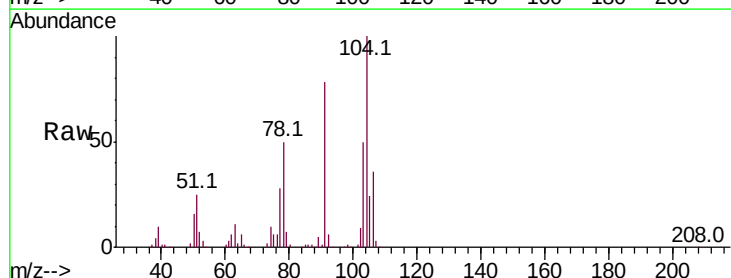
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

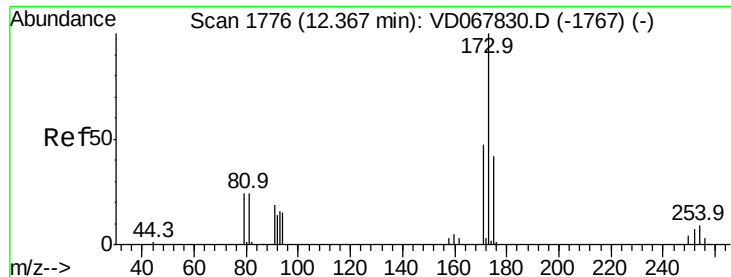
Tot Ion:106 Resp: 178480
Ion Ratio Lower Upper
106 100
91 210.7 107.5 322.5



#70
Styrene
Concen: 50.379 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion:104 Resp: 298515
Ion Ratio Lower Upper
104 100
78 53.0 41.6 62.4
103 54.3 43.2 64.8





#71

Bromoform

Concen: 49.498 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

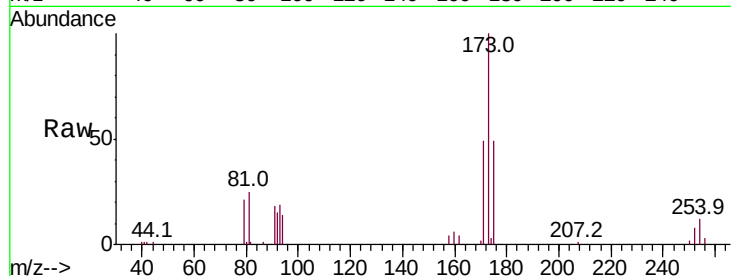
Tot Ion:173 Resp: 61067

Ion Ratio Lower Upper

173 100

175 48.0 23.4 70.3

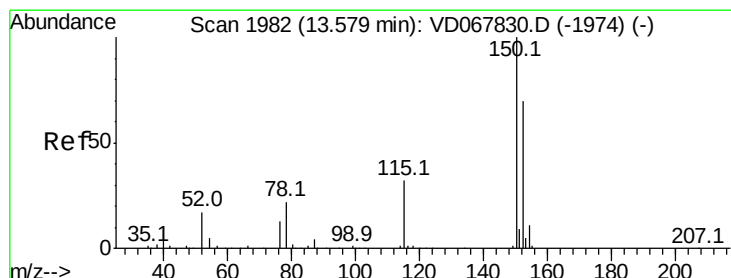
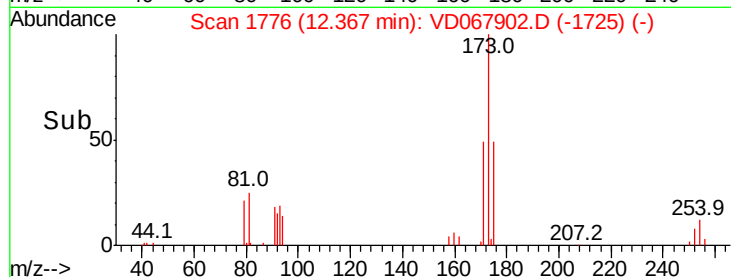
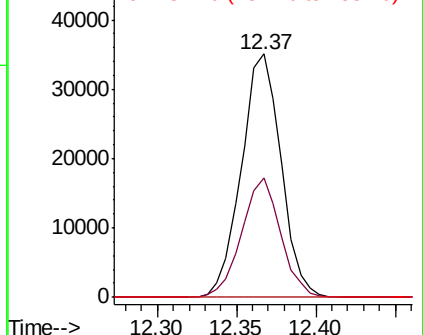
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

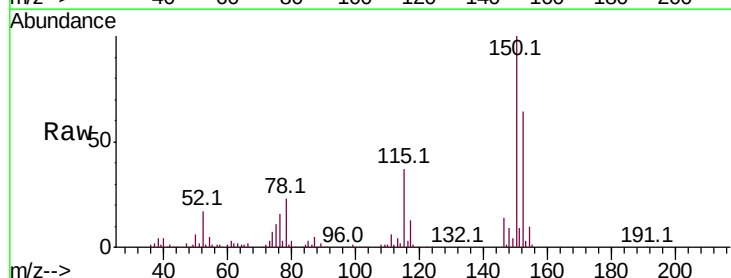
Tgt Ion:152 Resp: 144016

Ion Ratio Lower Upper

152 100

115 59.7 29.1 87.4

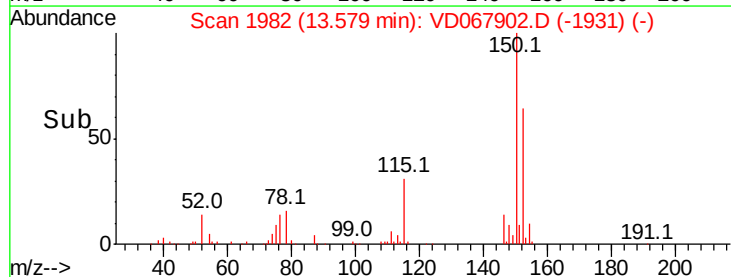
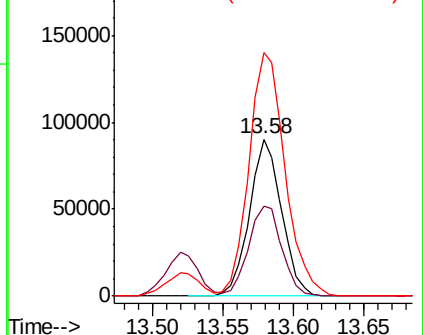
150 175.1 0.0 339.0

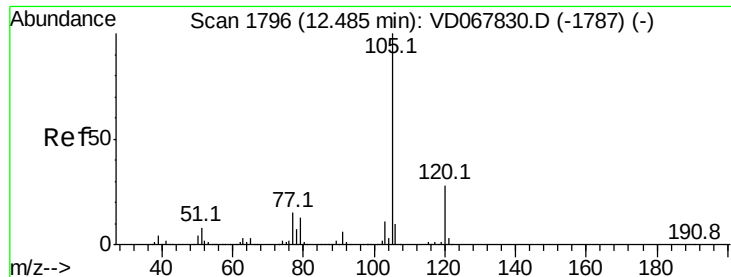


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.995 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

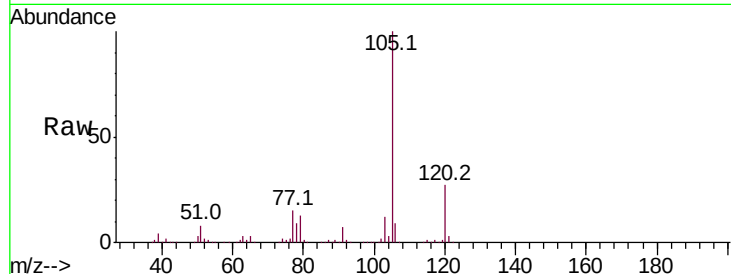
VSTDCCC050EC

Tot Ion:105 Resp: 505050

Ion Ratio Lower Upper

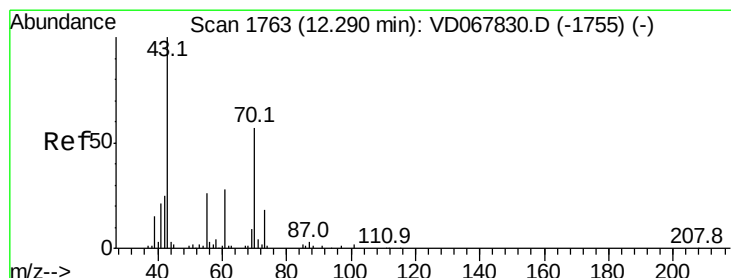
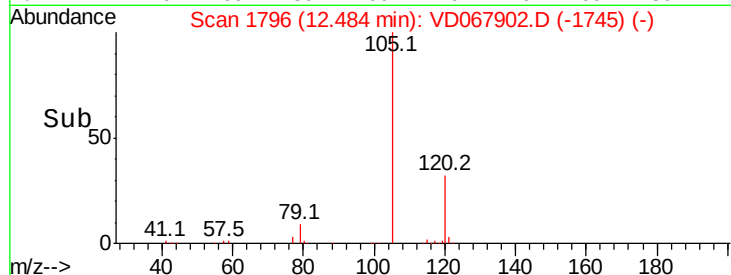
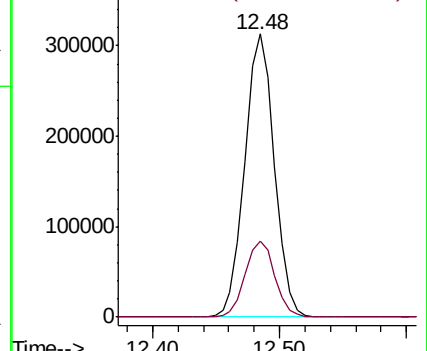
105 100

120 26.9 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.436 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Tgt Ion: 43 Resp: 54437

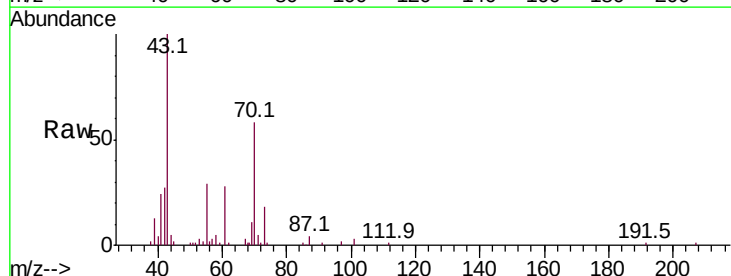
Ion Ratio Lower Upper

43 100

70 55.6 44.6 66.8

55 29.5 22.2 33.2

61 27.4 22.7 34.1

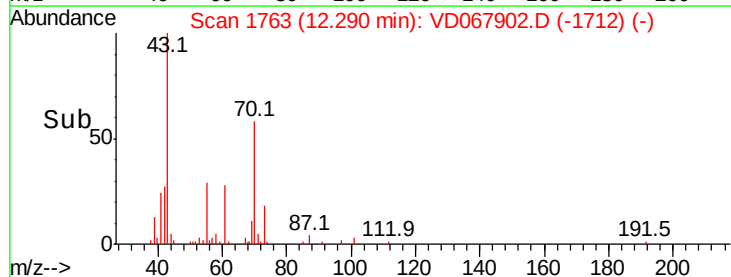
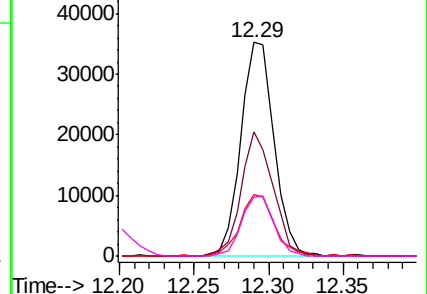


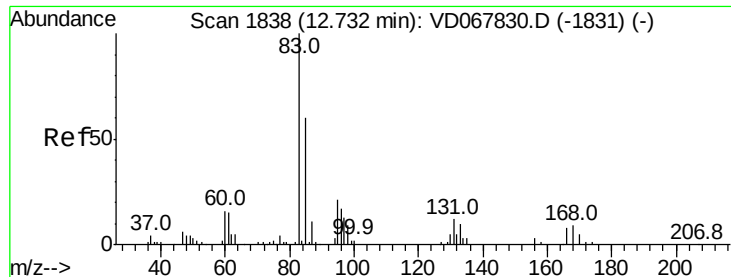
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.584 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

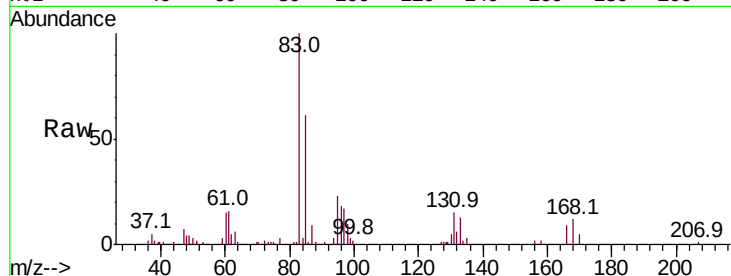
Tot Ion: 83 Resp: 58297

Ion Ratio Lower Upper

83 100

131 15.2 8.0 24.0

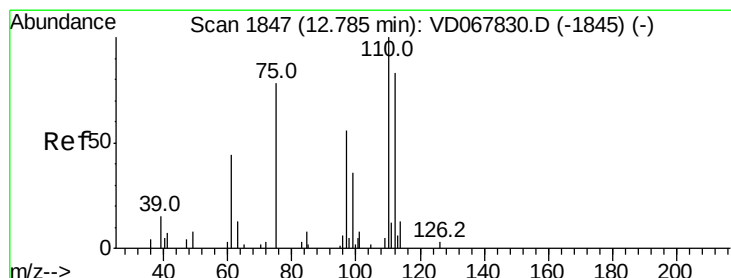
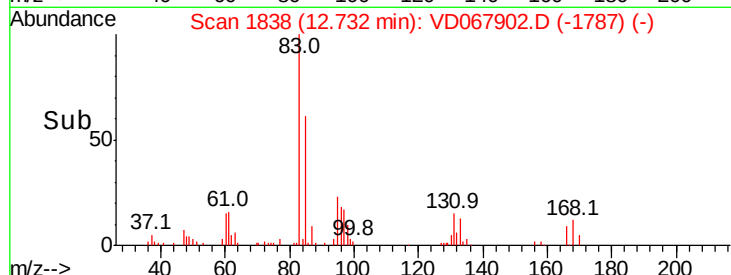
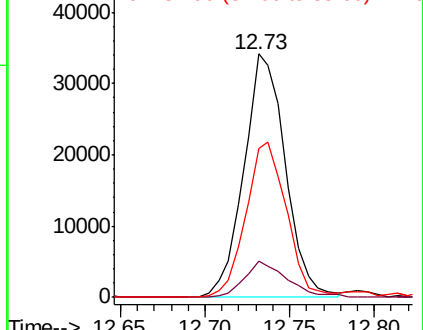
85 62.5 31.7 95.1



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: 84.881 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067902.D

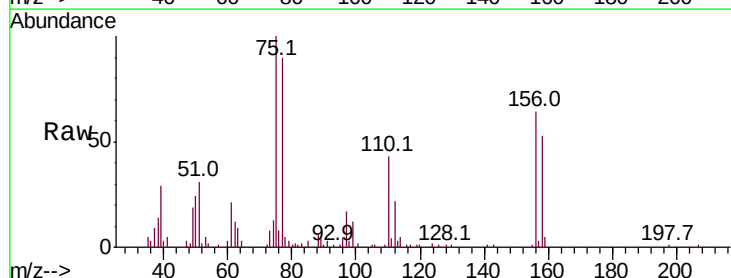
Acq: 07 Dec 2020 16:25

Tgt Ion: 75 Resp: 89021

Ion Ratio Lower Upper

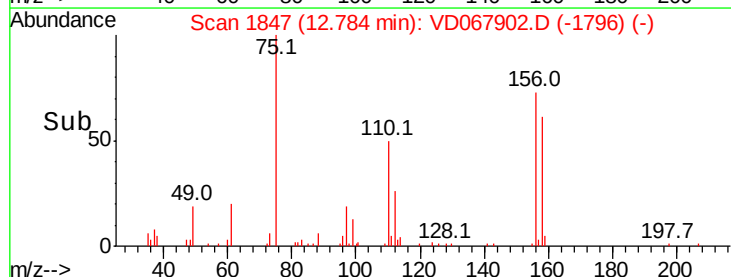
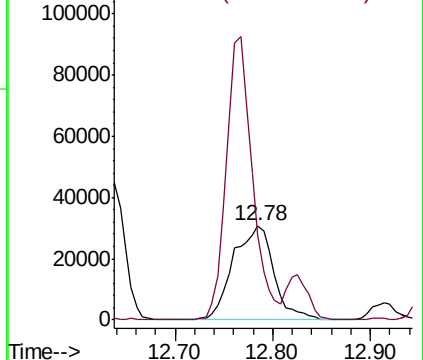
75 100

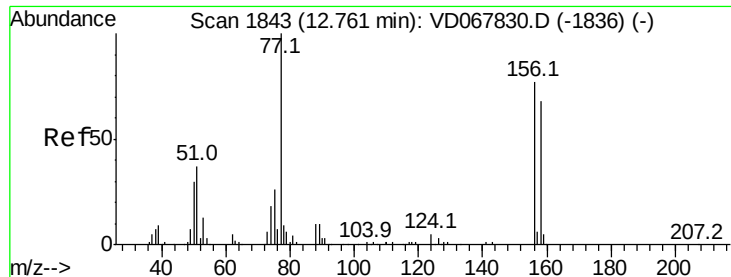
77 194.7 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.443 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

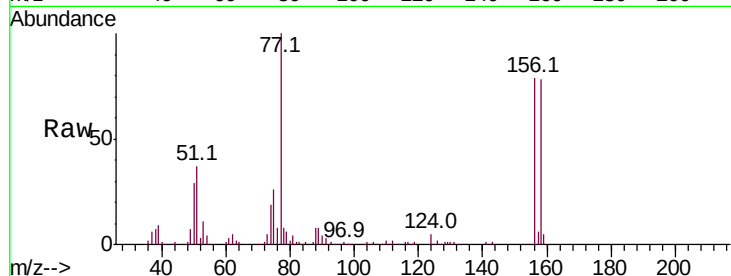
Tot Ion:156 Resp: 121739

Ion Ratio Lower Upper

156 100

77 142.3 71.5 214.5

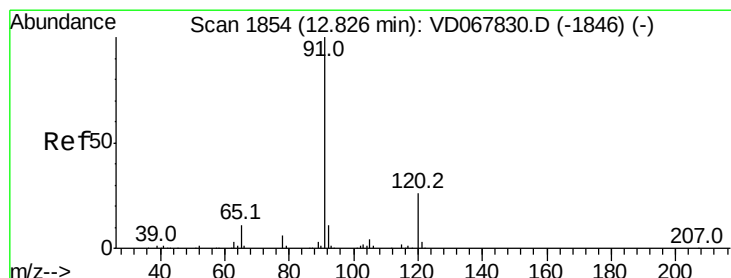
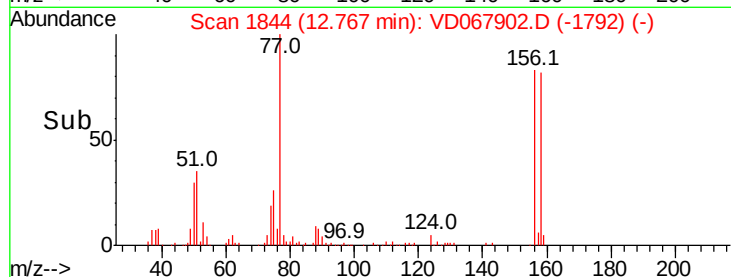
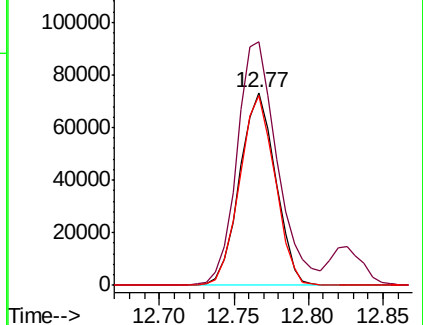
158 97.3 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.062 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067902.D

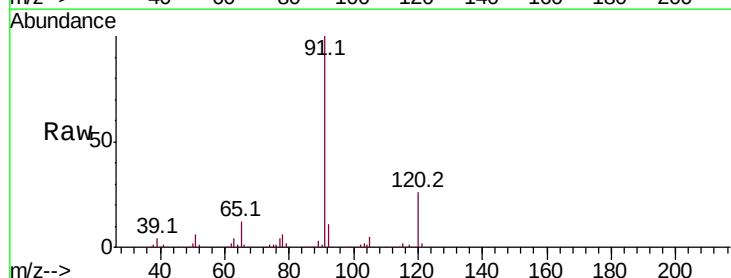
Acq: 07 Dec 2020 16:25

Tgt Ion: 91 Resp: 549536

Ion Ratio Lower Upper

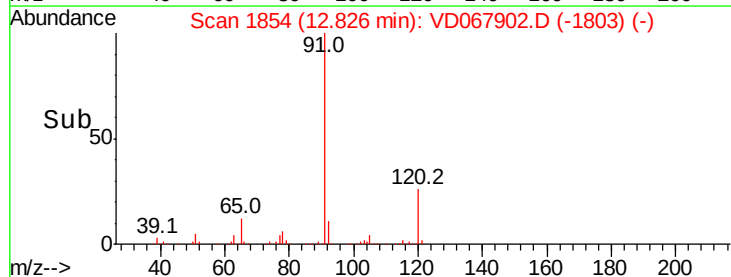
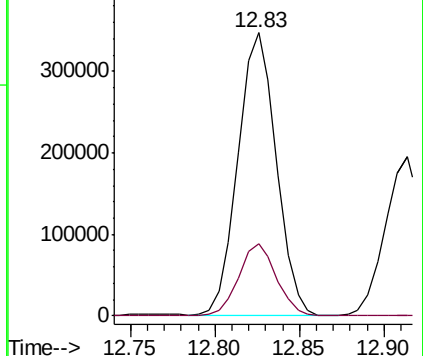
91 100

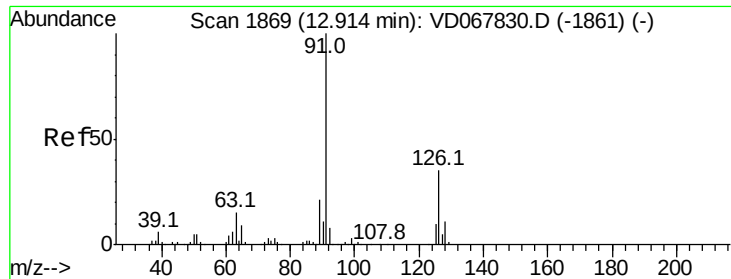
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

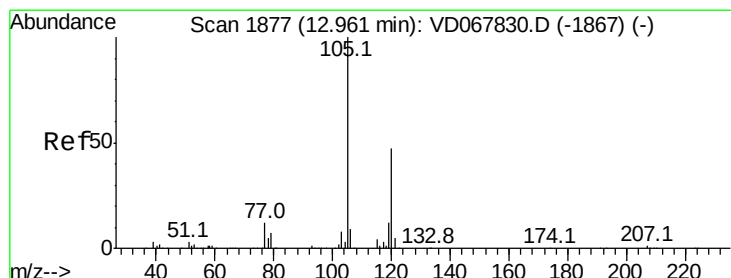
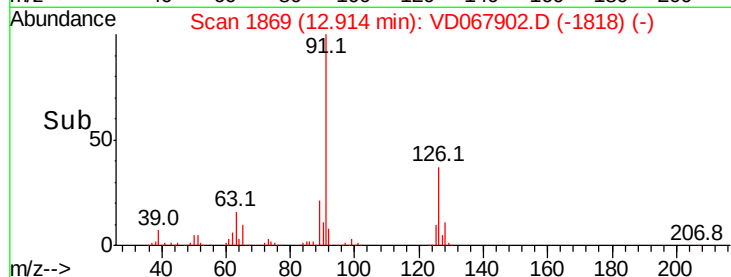
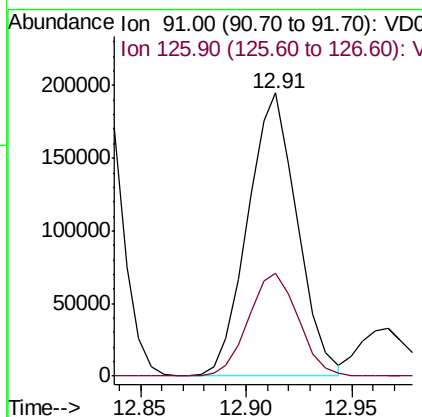
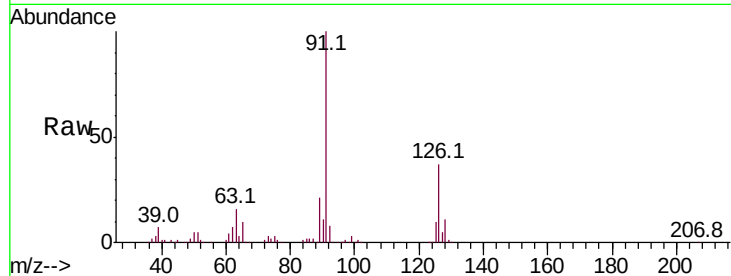




#79
 2-Chlorotoluene
 Concen: 49.134 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

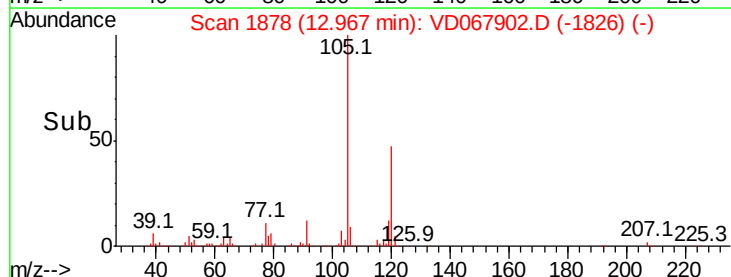
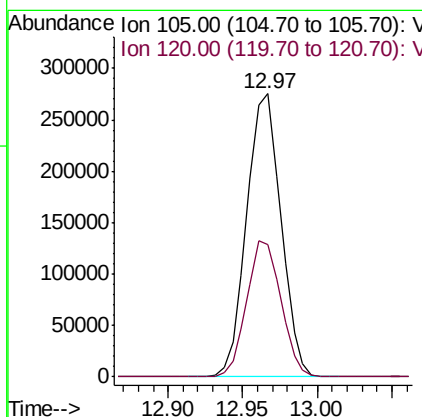
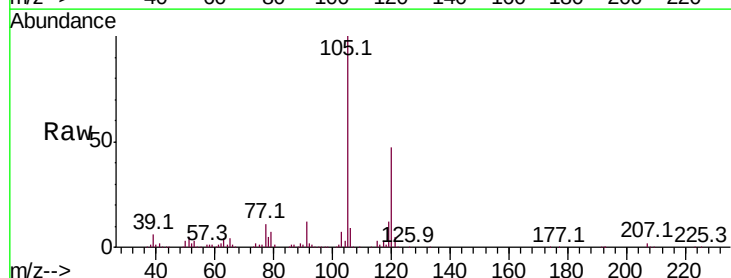
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

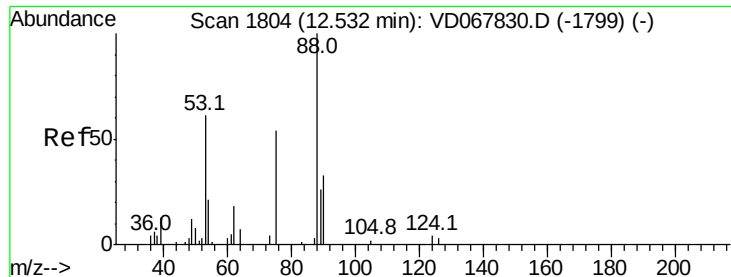
Tot Ion: 91 Resp: 317297
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.110 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion:105 Resp: 438260
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 43.587 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

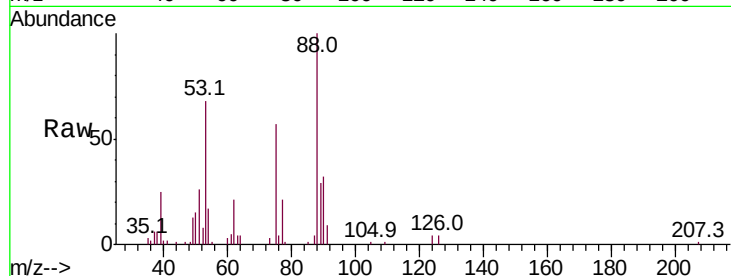
Tot Ion: 75 Resp: 19110

Ion Ratio Lower Upper

75 100

53 111.2 84.6 127.0

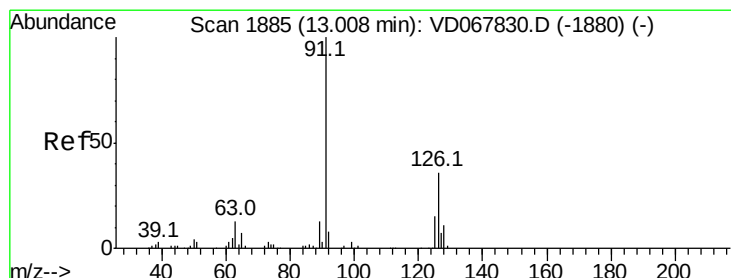
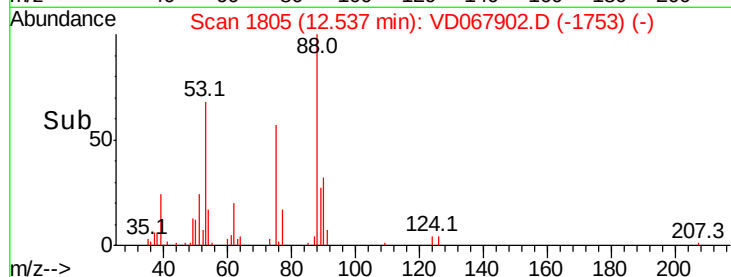
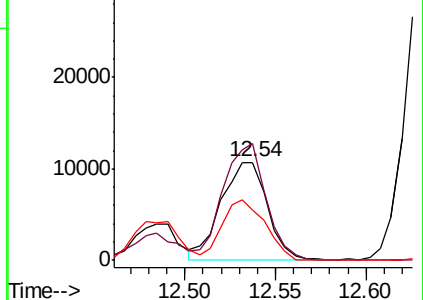
89 56.9 41.0 61.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.353 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067902.D

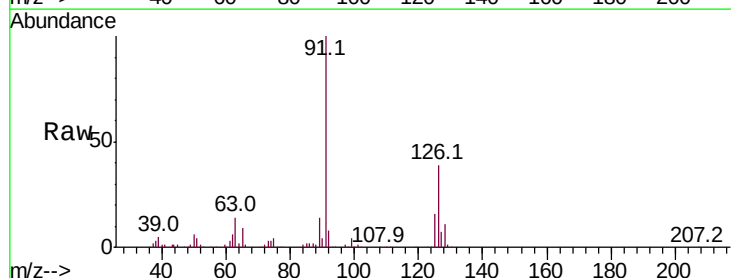
Acq: 07 Dec 2020 16:25

Tgt Ion: 91 Resp: 339972

Ion Ratio Lower Upper

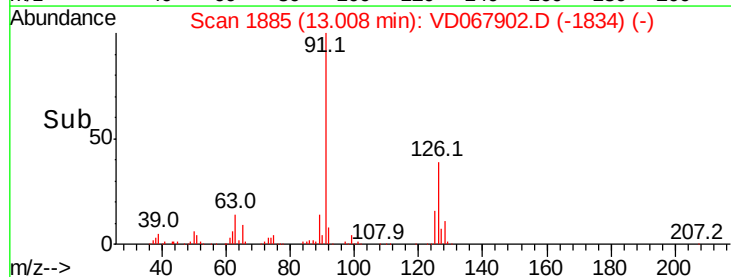
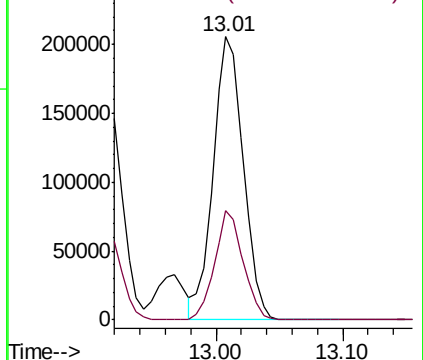
91 100

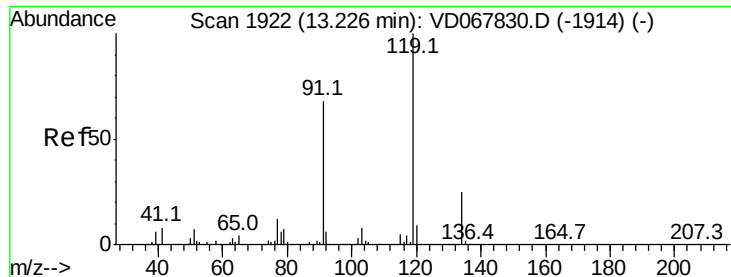
126 36.6 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

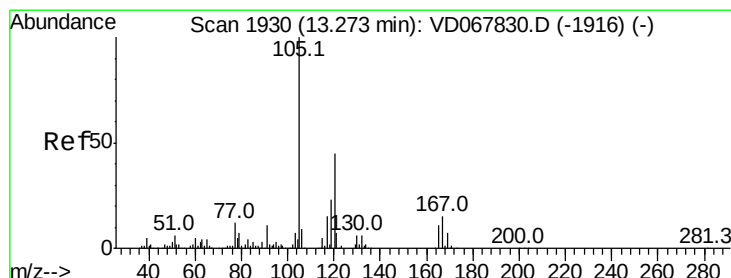
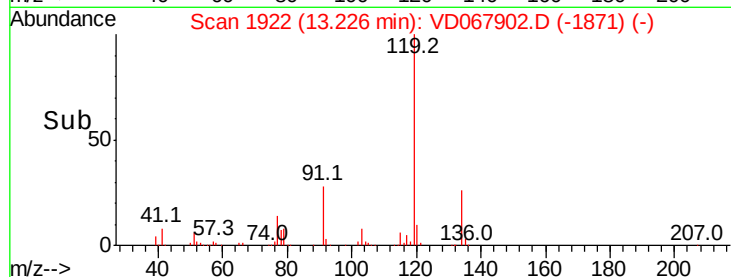
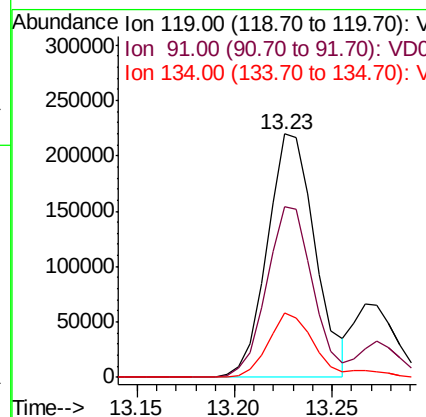
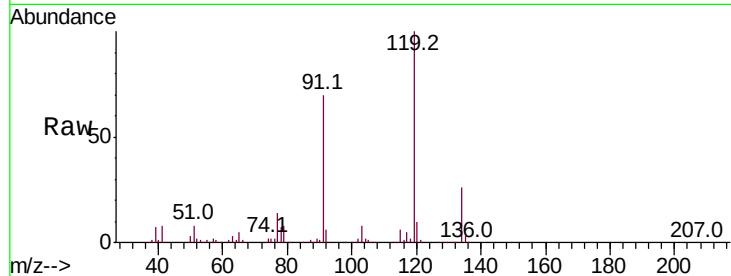




#83
tert-Butylbenzene
Concen: 51.090 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

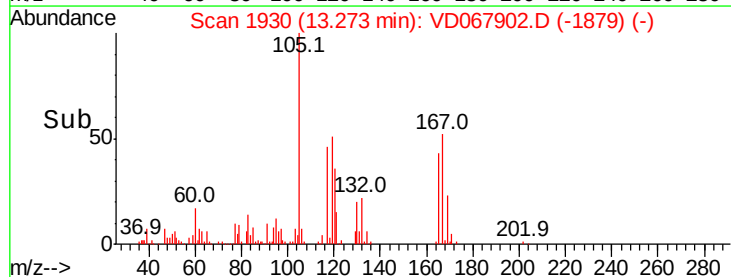
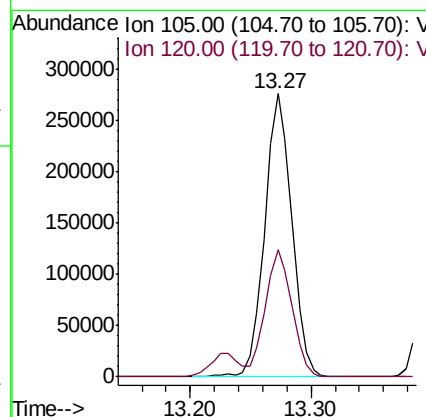
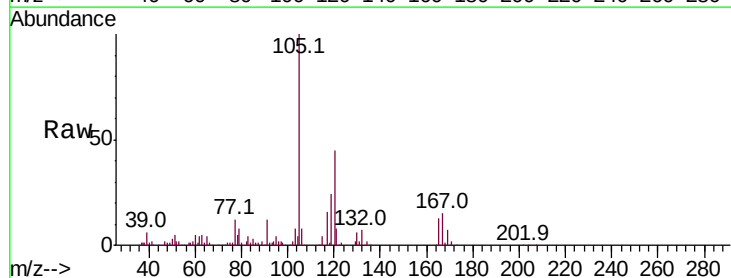
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

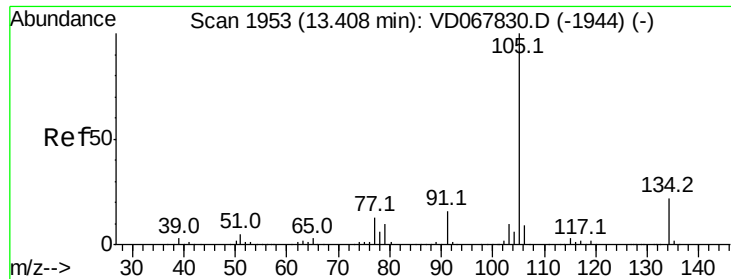
Tot Ion:119 Resp: 372798
Ion Ratio Lower Upper
119 100
91 67.5 33.1 99.3
134 26.8 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 50.310 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion:105 Resp: 428986
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.5

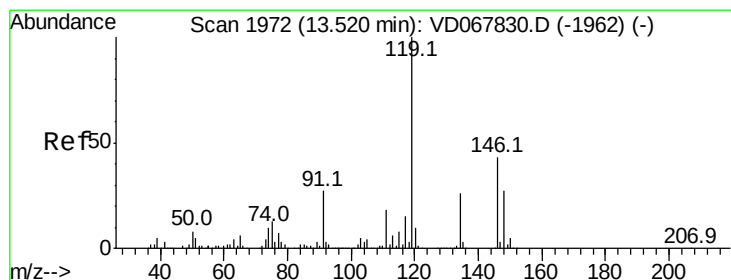
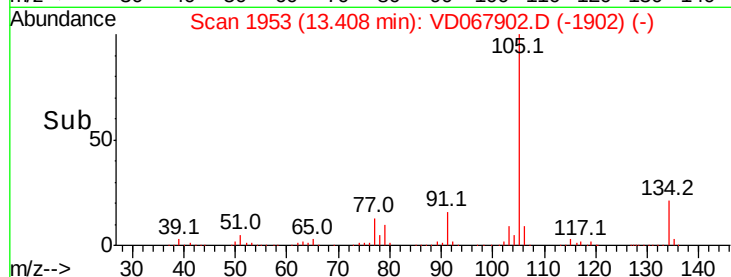
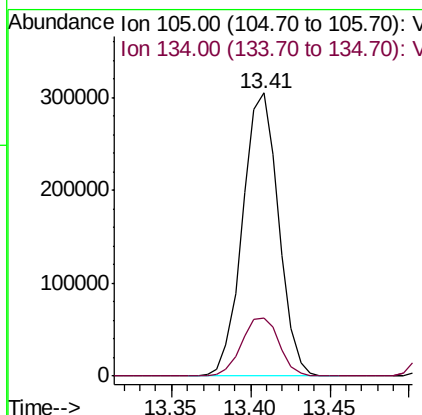
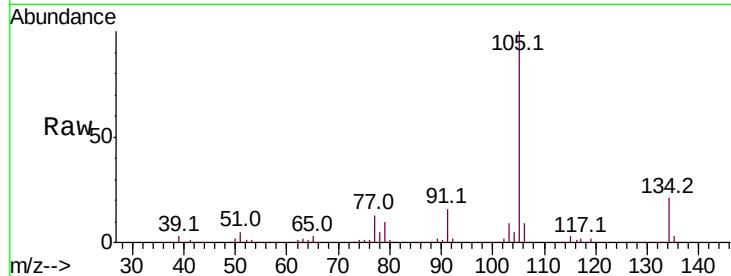




#85
 sec-Butylbenzene
 Concen: 49.440 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

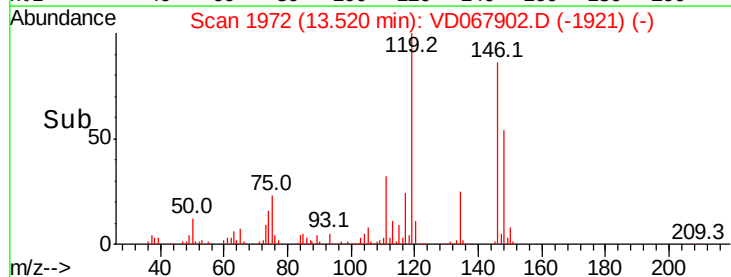
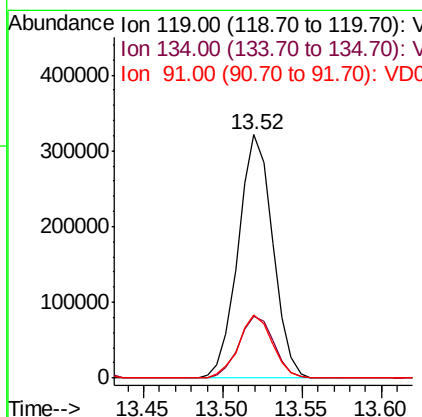
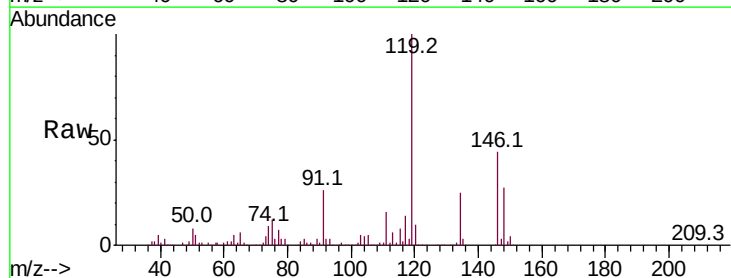
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

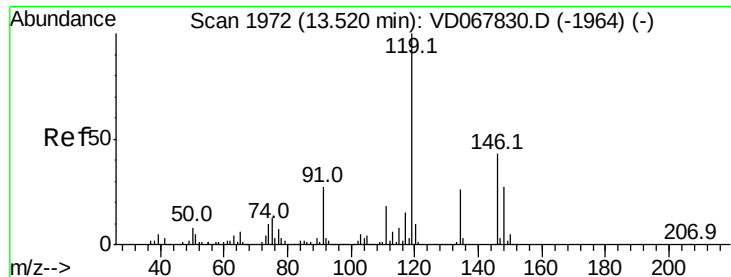
Tot Ion:105 Resp: 481504
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 50.849 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion:119 Resp: 485358
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 25.2 12.8 38.3

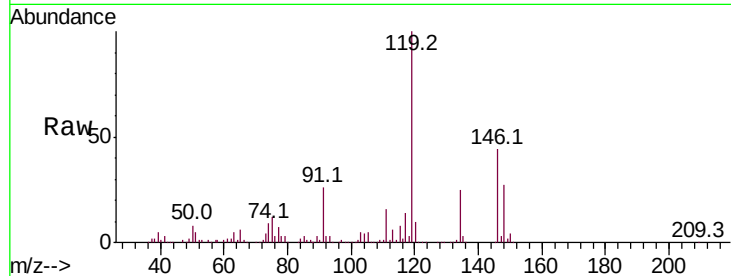




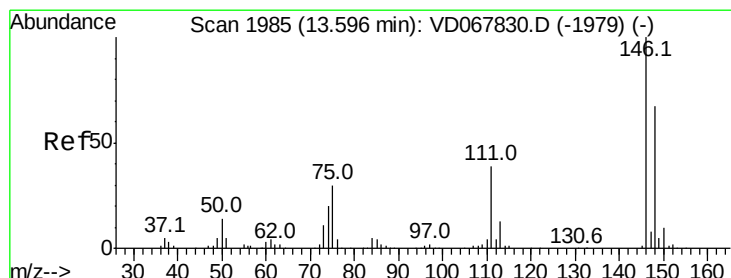
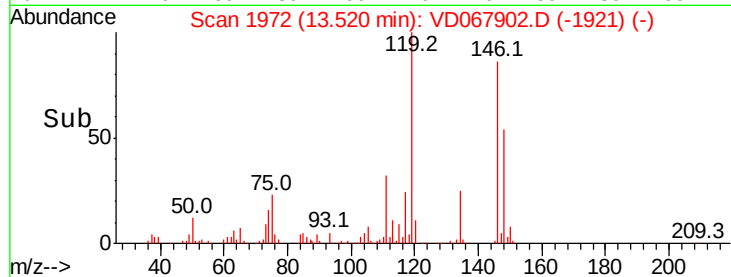
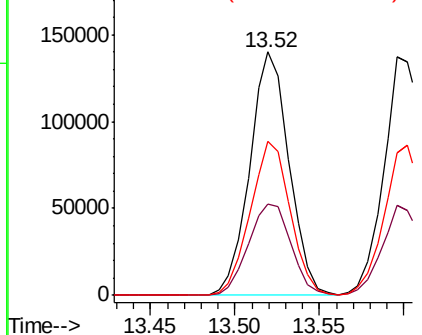
#87
 1,3-Dichlorobenzene
 Concen: 47.592 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 226041
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.8 62.2
 148 64.6 32.9 98.6

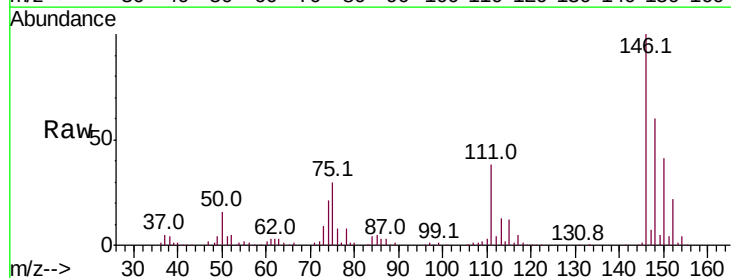


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

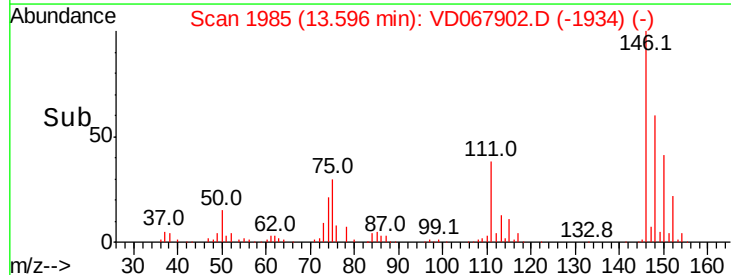
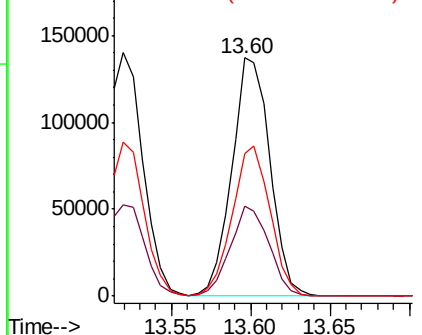


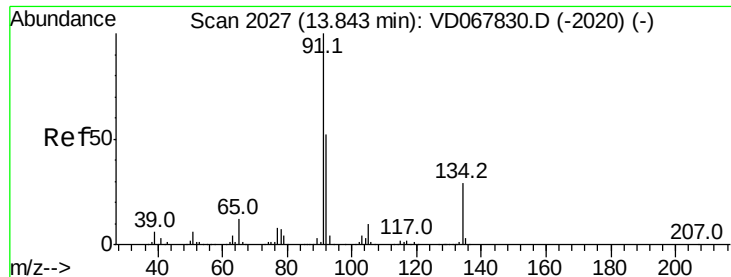
#88
 1,4-Dichlorobenzene
 Concen: 48.035 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion:146 Resp: 228243
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.9 59.6
 148 63.2 32.4 97.2



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

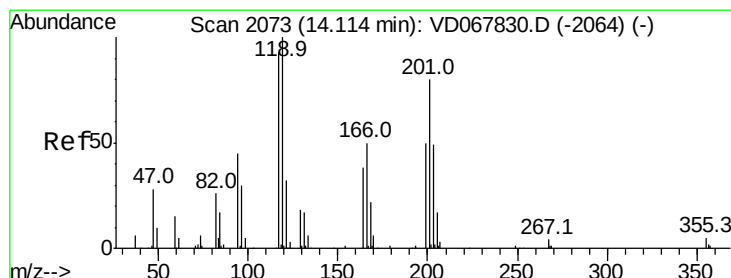
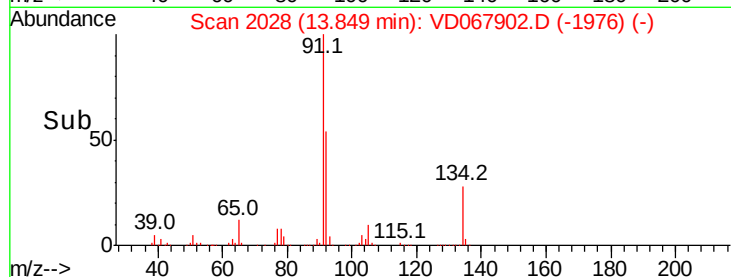
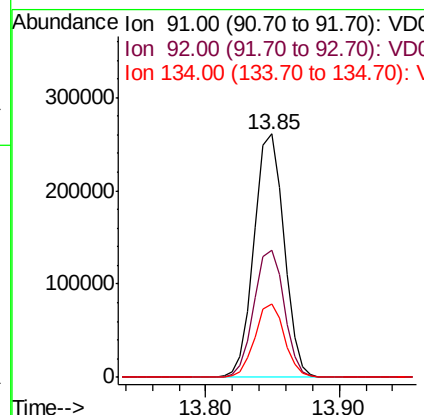
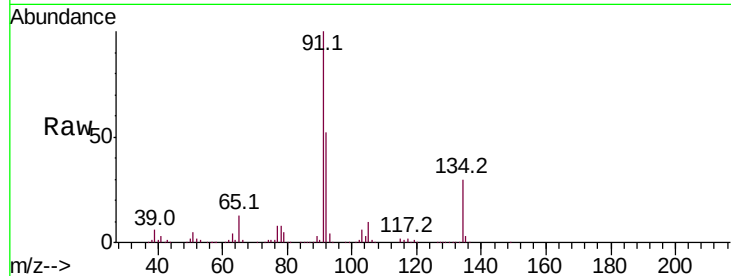




#89
n-Butylbenzene
Concen: 50.808 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

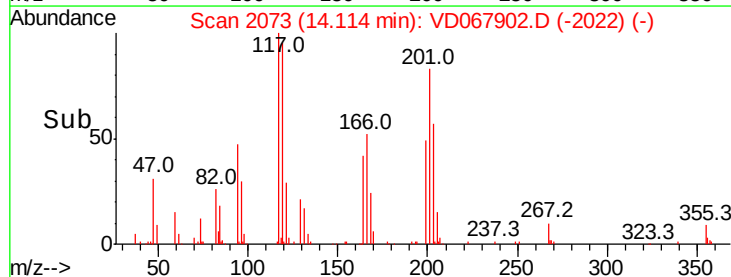
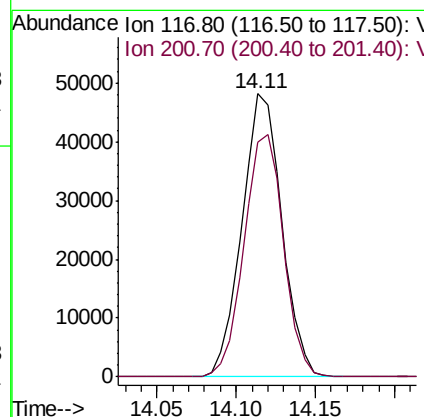
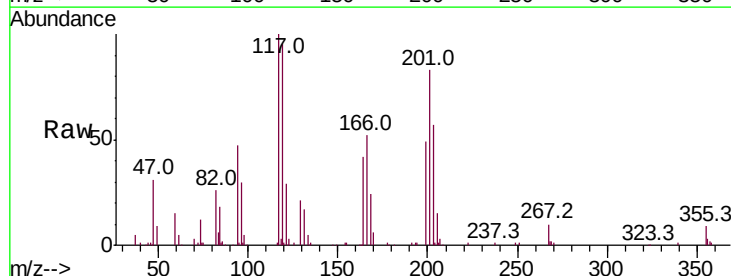
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

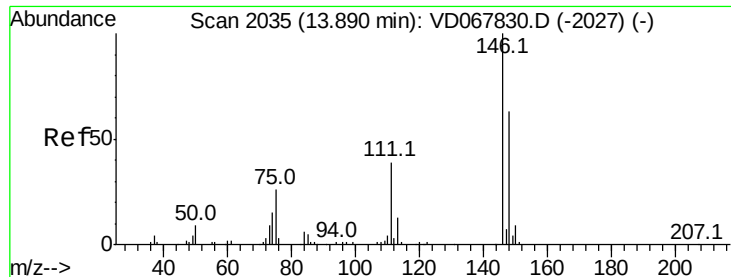
Tot Ion: 91 Resp: 402903
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.8
134 29.7 14.8 44.3



#90
Hexachloroethane
Concen: 47.708 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion: 117 Resp: 84073
Ion Ratio Lower Upper
117 100
201 84.7 43.9 131.6

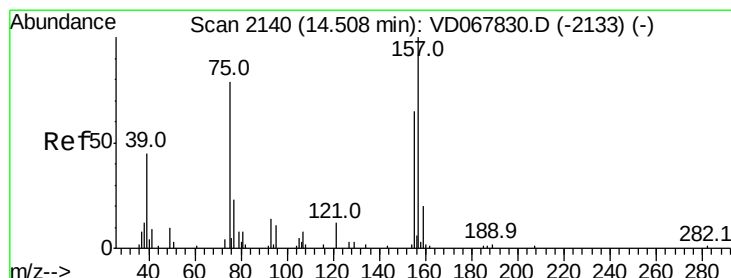
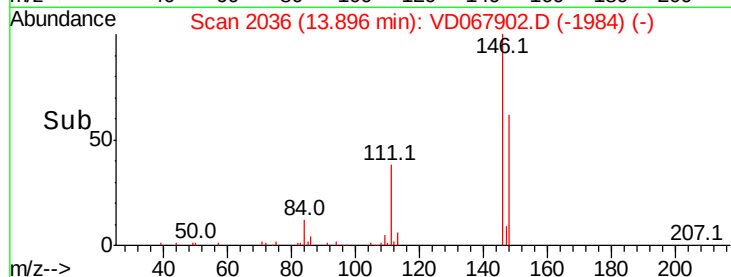
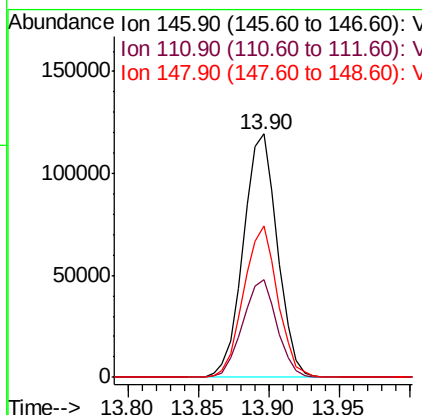
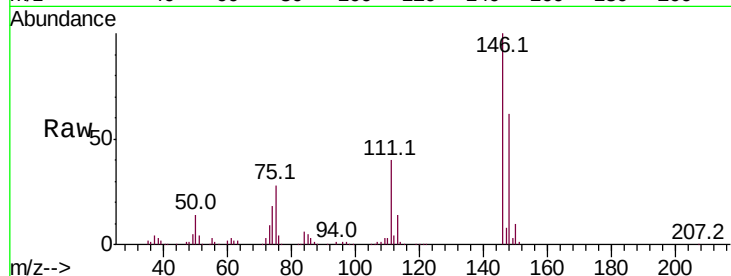




#91
 1,2-Dichlorobenzene
 Concen: 48.997 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

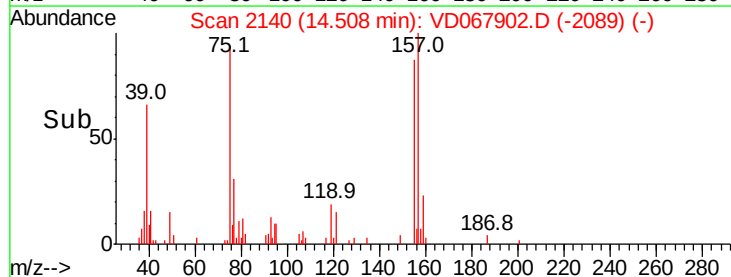
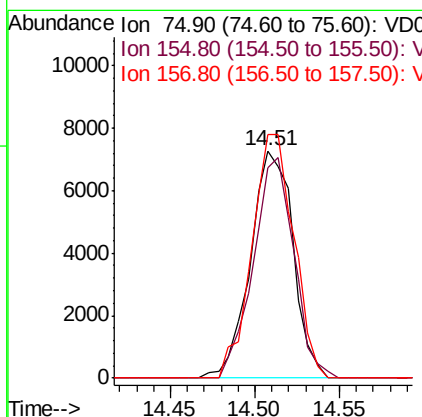
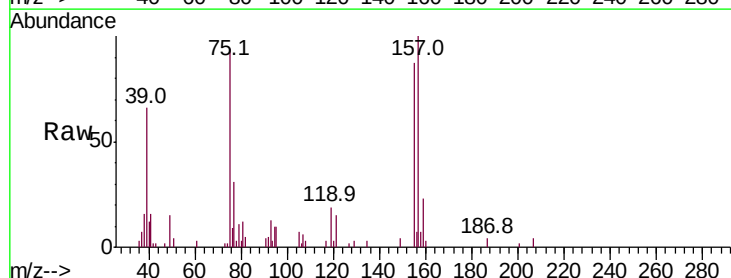
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

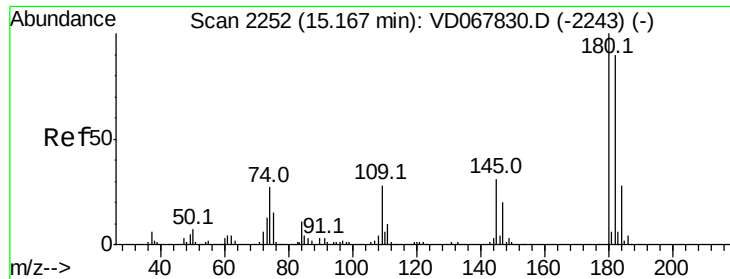
Tot Ion:146 Resp: 201833
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.4 61.2
 148 62.2 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.748 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion: 75 Resp: 12757
 Ion Ratio Lower Upper
 75 100
 155 92.4 44.1 132.4
 157 105.3 62.4 187.2

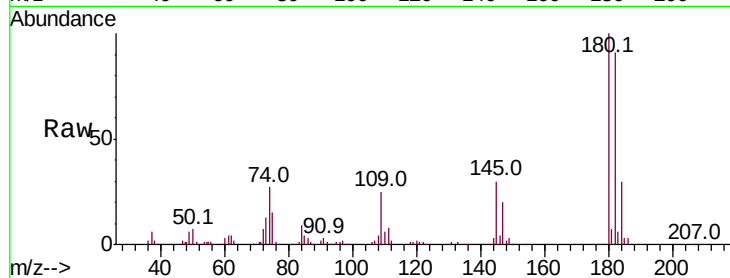




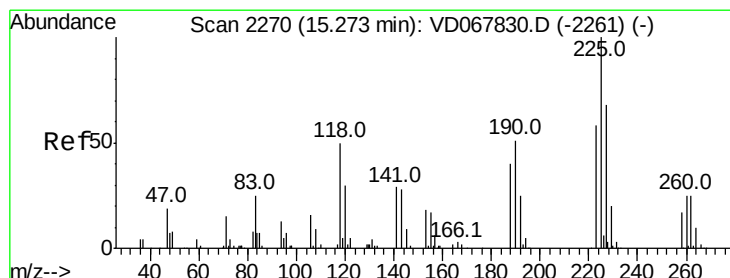
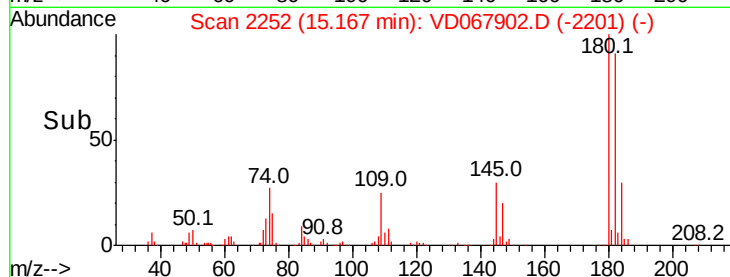
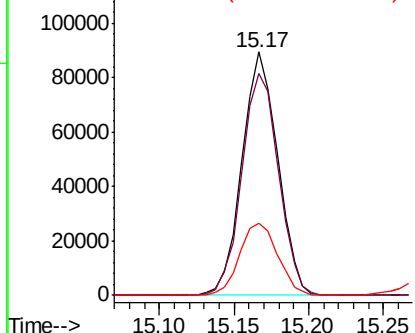
#93
 1,2,4-Trichlorobenzene
 Concen: 51.381 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	31.8	16.4	49.4

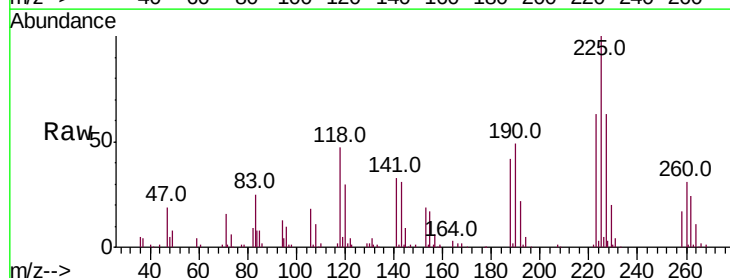


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

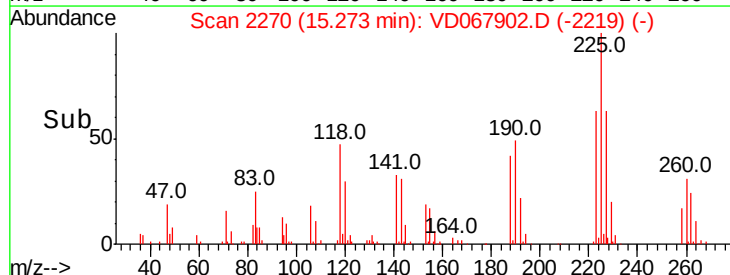
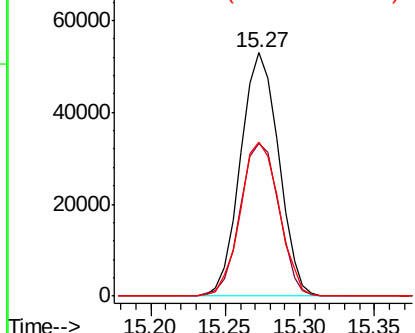


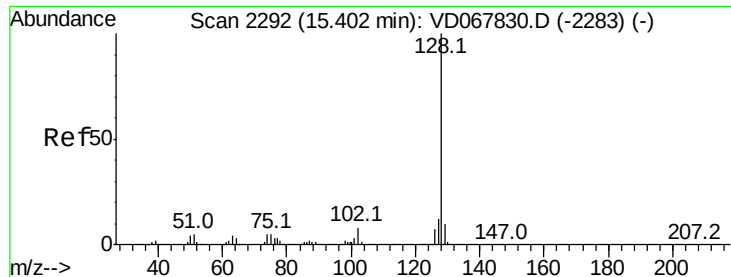
#94
 Hexachlorobutadiene
 Concen: 50.033 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067902.D
 Acq: 07 Dec 2020 16:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.3
227	64.1	33.1	99.3



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

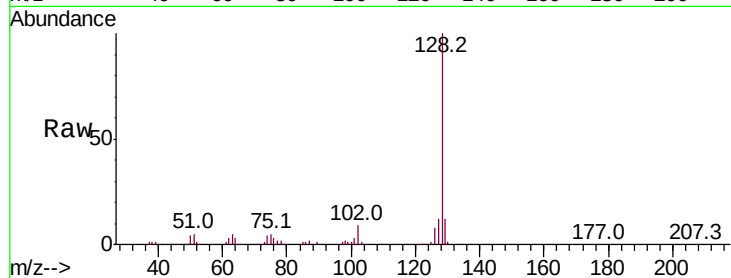




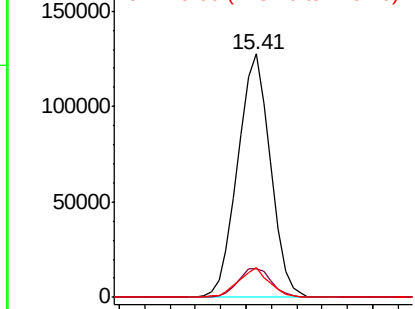
#95
Naphthalene
Concen: 48.734 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

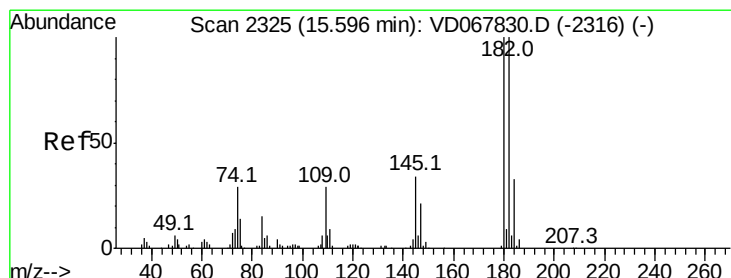
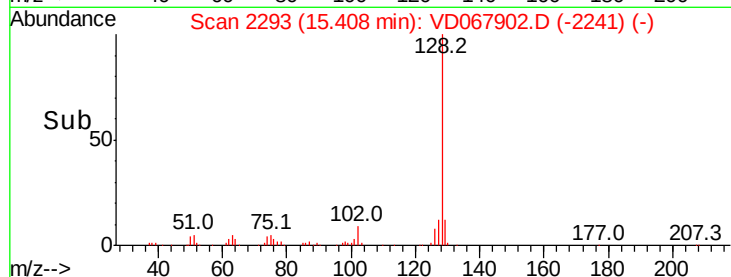
Tot Ion:128 Resp: 228499
Ion Ratio Lower Upper
128 100
127 12.4 10.6 15.8
129 11.3 9.0 13.6



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

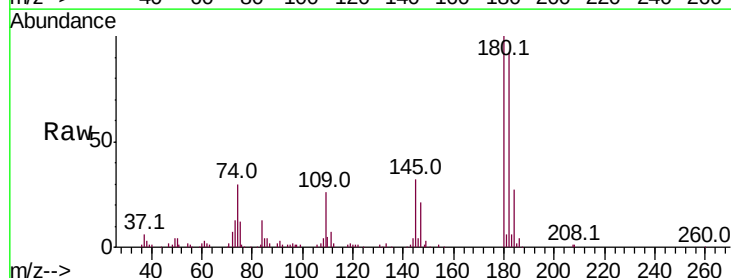


Time--> 15.30 15.40 15.50

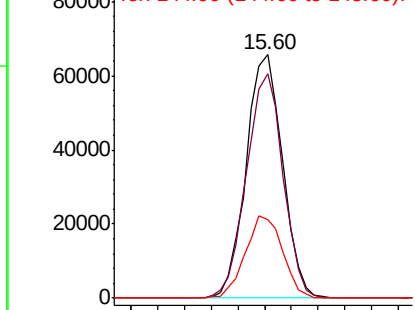


#96
1,2,3-Trichlorobenzene
Concen: 49.691 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067902.D
Acq: 07 Dec 2020 16:25

Tgt Ion:180 Resp: 123651
Ion Ratio Lower Upper
180 100
182 92.7 47.3 142.0
145 34.4 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

