

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067654.D
 Acq On : 17 Nov 2020 11:27
 Operator : VA/SY
 Sample : VD1117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Quant Time: Nov 17 23:57:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	417389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	380520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	121618	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
35) Dibromofluoromethane	7.92	113	124791	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	426569	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.64	95	153363	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56177	22.282	ug/l	97
3) Chloromethane	2.21	50	35787	20.539	ug/l	92
4) Vinyl Chloride	2.35	62	38156	19.642	ug/l	96
5) Bromomethane	2.77	94	35006	22.233	ug/l	94
6) Chloroethane	2.92	64	25104	20.961	ug/l	99
7) Trichlorofluoromethane	3.27	101	111978	22.263	ug/l	95
8) Diethyl Ether	3.71	74	22166	21.871	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	55049	21.682	ug/l	99
10) Methyl Iodide	4.30	142	54723	20.110	ug/l	97
11) Tert butyl alcohol	5.21	59	19353	177.723	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	49836	21.340	ug/l	93
13) Acrolein	3.93	56	4546	65.469	ug/l	97
14) Allyl chloride	4.71	41	50313	20.130	ug/l	98
15) Acrylonitrile	5.42	53	41010	109.464	ug/l	98
16) Acetone	4.16	43	33836	92.421	ug/l	90
17) Carbon Disulfide	4.41	76	143652	20.074	ug/l	99
18) Methyl Acetate	4.71	43	17241	22.789	ug/l #	85
19) Methyl tert-butyl Ether	5.48	73	97932	21.260	ug/l	99
20) Methylene Chloride	4.97	84	57657	22.295	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	58037	21.337	ug/l	97
22) Diisopropyl ether	6.37	45	107145	21.998	ug/l #	93
23) Vinyl Acetate	6.31	43	270364	106.045	ug/l	99
24) 1,1-Dichloroethane	6.27	63	86824	21.790	ug/l	95
25) 2-Butanone	7.21	43	40949	104.676	ug/l	95
26) 2,2-Dichloropropane	7.21	77	94602	22.496	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	61271	21.702	ug/l	99
28) Bromochloromethane	7.55	49	27610	19.480	ug/l	95
29) Tetrahydrofuran	7.57	42	25416	108.463	ug/l	98
30) Chloroform	7.71	83	109167	22.965	ug/l	94
31) Cyclohexane	7.98	56	73473	20.706	ug/l #	94
32) 1,1,1-Trichloroethane	7.91	97	109737	22.374	ug/l	98
36) 1,1-Dichloropropene	8.11	75	76391	21.381	ug/l	97
37) Ethyl Acetate	7.29	43	21752	23.451	ug/l #	86
38) Carbon Tetrachloride	8.10	117	103831	22.368	ug/l	91

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Nov 17 23:57:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	89616	21.311	ug/l	97
40) Benzene	8.36	78	218643	22.592	ug/l	98
41) Methacrylonitrile	7.52	41	8925	16.097	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	68550	22.925	ug/l	99
43) Isopropyl Acetate	8.46	43	38573	21.027	ug/l	97
44) Trichloroethene	9.11	130	68606	21.560	ug/l	94
45) 1,2-Dichloropropane	9.39	63	44717	21.371	ug/l	97
46) Dibromomethane	9.48	93	28713	21.582	ug/l	97
47) Bromodichloromethane	9.67	83	80130	22.159	ug/l	88
48) Methyl methacrylate	9.47	41	18067	19.075	ug/l #	81
49) 1,4-Dioxane	9.47	88	5633	417.075	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	97289	110.893	ug/l	98
52) Toluene	10.41	92	146068	22.534	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	71413	23.059	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	79872	21.707	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	38910	22.104	ug/l	96
56) Ethyl methacrylate	10.67	69	39168	21.547	ug/l	100
57) 1,3-Dichloropropane	10.96	76	62429	22.039	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	88477	104.374	ug/l	99
59) 2-Hexanone	10.99	43	66118	107.785	ug/l	97
60) Dibromochloromethane	11.14	129	60160	23.103	ug/l	99
61) 1,2-Dibromoethane	11.26	107	38693	21.901	ug/l	99
64) Tetrachloroethene	10.88	164	64203	22.782	ug/l	88
65) Chlorobenzene	11.68	112	165539	22.584	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	66226	22.924	ug/l	98
67) Ethyl Benzene	11.75	91	279091	22.251	ug/l	97
68) m/p-Xylenes	11.86	106	218291	44.734	ug/l	98
69) o-Xylene	12.18	106	98371	22.579	ug/l	99
70) Styrene	12.20	104	171967	22.652	ug/l	99
71) Bromoform	12.37	173	32635	22.150	ug/l #	91
73) Isopropylbenzene	12.48	105	277353	22.183	ug/l	99
74) N-amyl acetate	12.29	43	33716	20.493	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	36199	21.232	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51827	44.408	ug/l #	100
77) Bromobenzene	12.77	156	67602	22.016	ug/l	97
78) n-propylbenzene	12.83	91	316499	22.131	ug/l	100
79) 2-Chlorotoluene	12.91	91	181325	22.320	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	242150	22.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12405	21.580	ug/l	95
82) 4-Chlorotoluene	13.01	91	195374	22.424	ug/l	99
83) tert-Butylbenzene	13.23	119	202772	22.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	243177	22.873	ug/l	99
85) sec-Butylbenzene	13.41	105	274624	22.474	ug/l	99
86) p-Isopropyltoluene	13.53	119	261253	22.139	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	135831	23.183	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	132624	22.354	ug/l	99
89) n-Butylbenzene	13.85	91	223210	21.899	ug/l	99
90) Hexachloroethane	14.11	117	48589	21.865	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	114248	22.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7425	24.597	ug/l	91

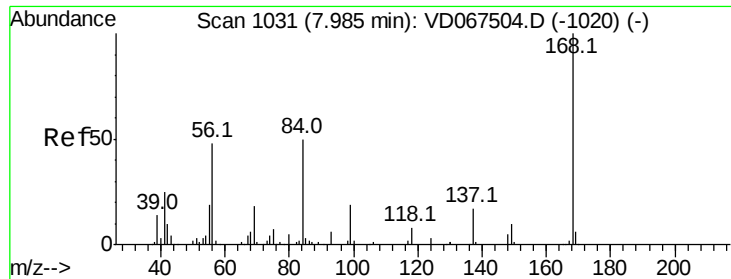
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111720\
Data File : VD067654.D
Acq On : 17 Nov 2020 11:27
Operator : VA/SY
Sample : VD1117SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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MSVOA_D
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Quant Time: Nov 17 23:57:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	75997	22.081	ug/l	98
94) Hexachlorobutadiene	15.27	225	47995	20.836	ug/l	97
95) Naphthalene	15.41	128	111528	20.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	63563	21.567	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: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

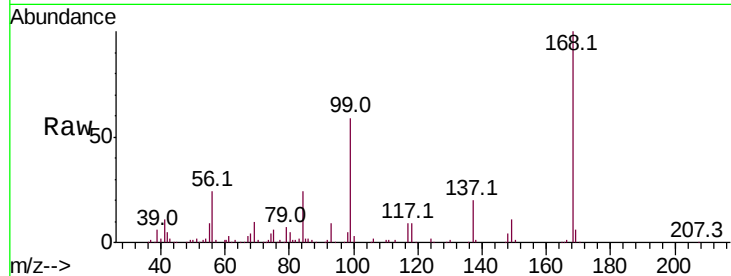
VD1117SBS01

Tot Ion:168 Resp: 279797

Ion Ratio Lower Upper

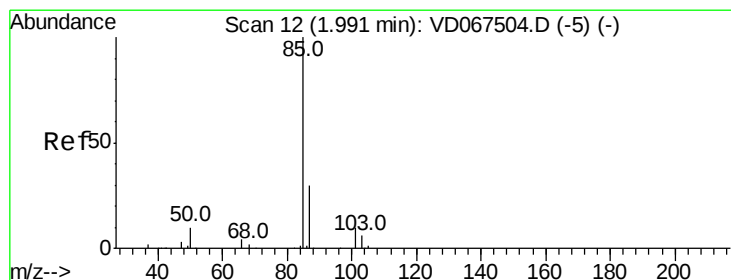
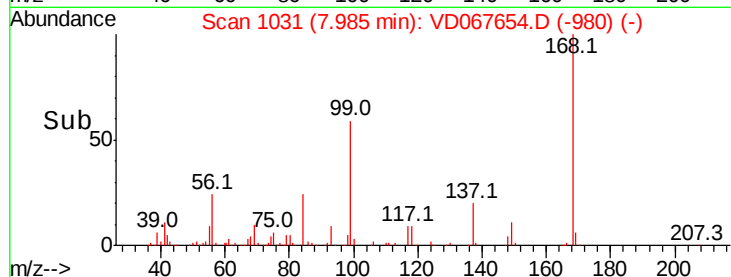
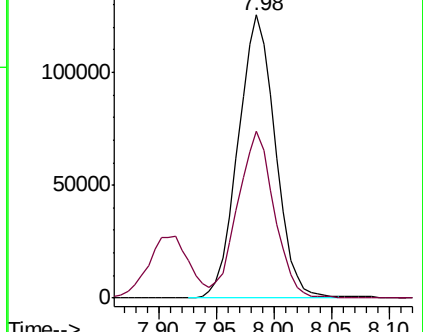
168 100

99 58.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.282 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067654.D

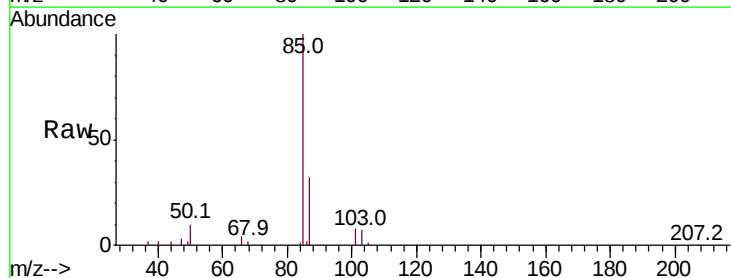
Acq: 17 Nov 2020 11:27

Tgt Ion: 85 Resp: 56177

Ion Ratio Lower Upper

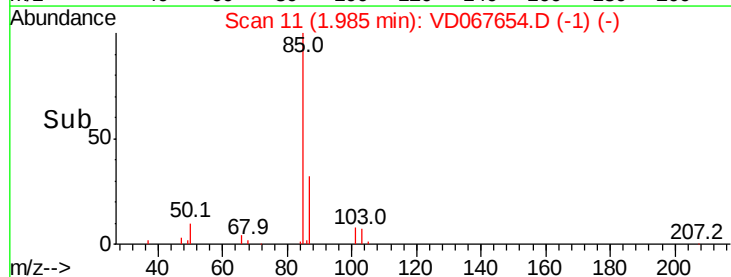
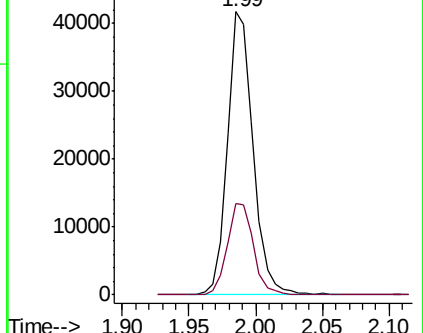
85 100

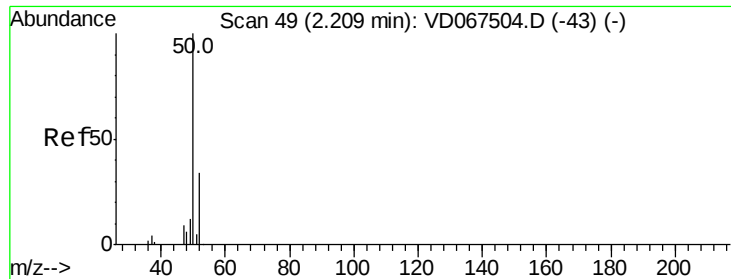
87 32.3 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.539 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

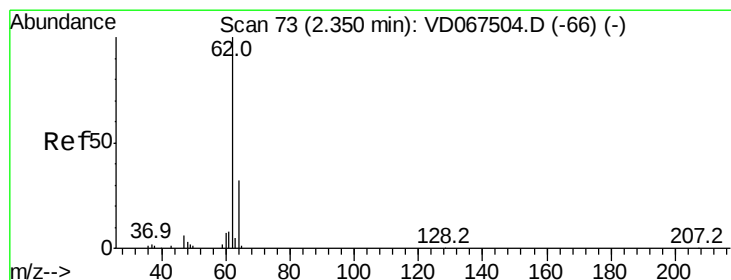
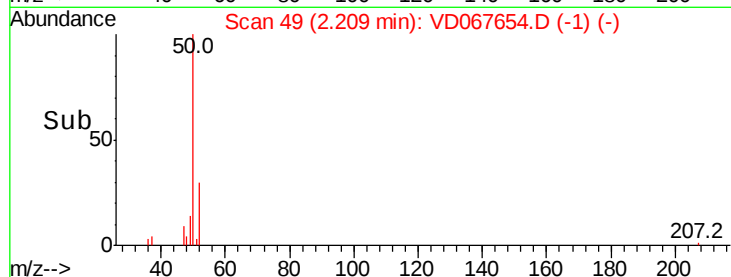
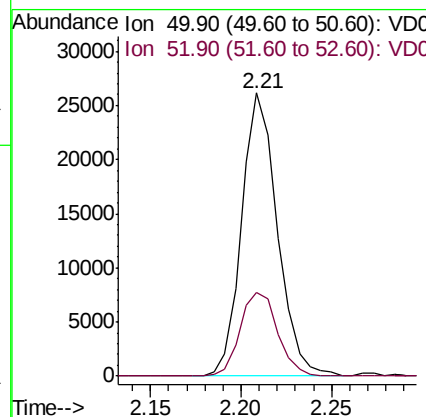
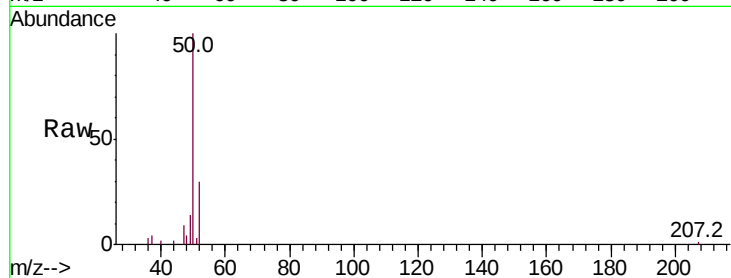
VD1117SBS01

Tot Ion: 50 Resp: 35787

Ion Ratio Lower Upper

50 100

52 29.7 27.3 40.9



#4

Vinyl Chloride

Concen: 19.642 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067654.D

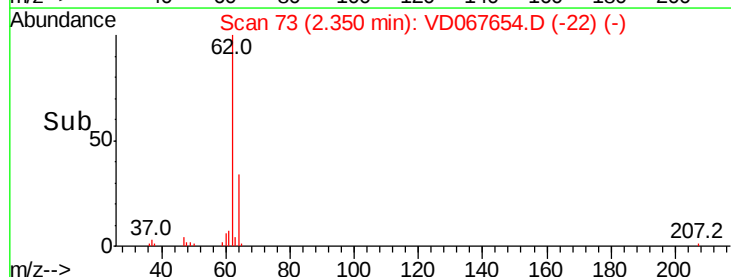
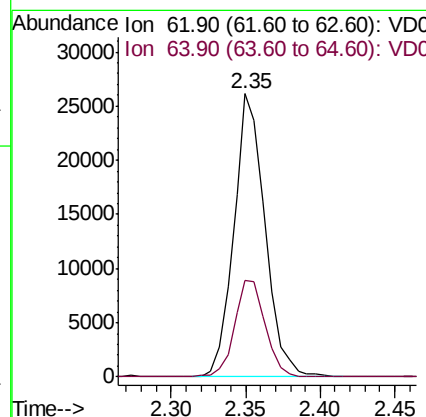
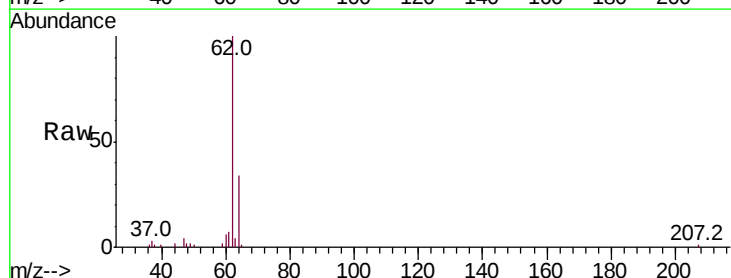
Acq: 17 Nov 2020 11:27

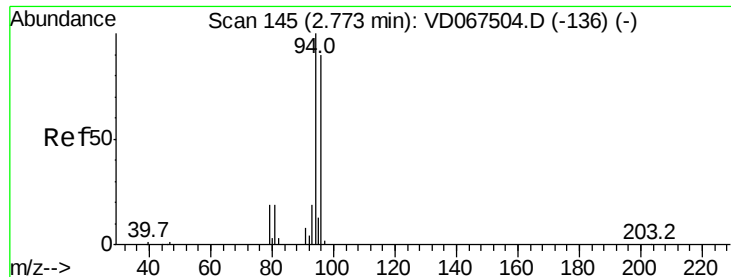
Tgt Ion: 62 Resp: 38156

Ion Ratio Lower Upper

62 100

64 34.2 25.6 38.4





#5

Bromomethane

Concen: 22.233 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

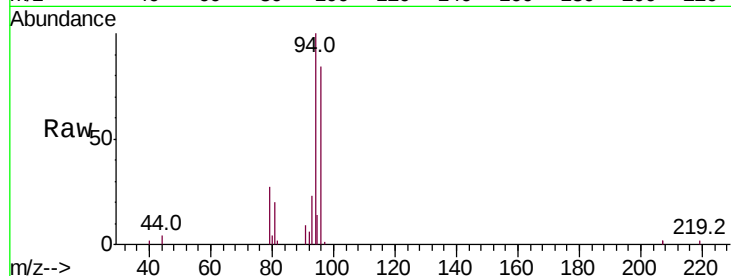
VD1117SBS01

Tot Ion: 94 Resp: 35006

Ion Ratio Lower Upper

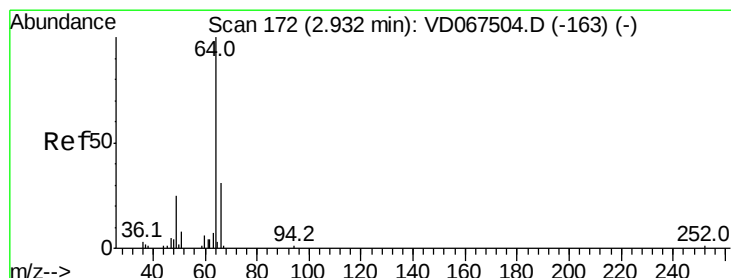
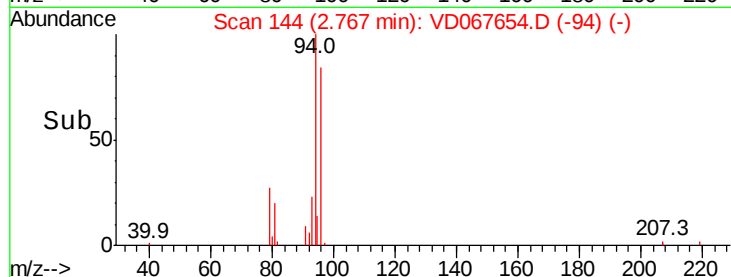
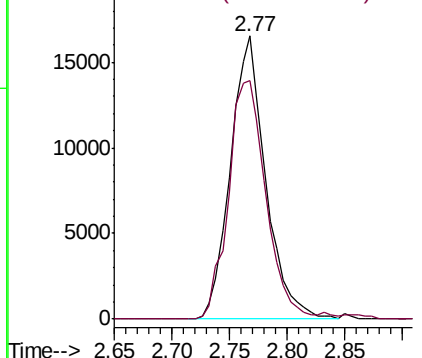
94 100

96 84.3 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.961 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067654.D

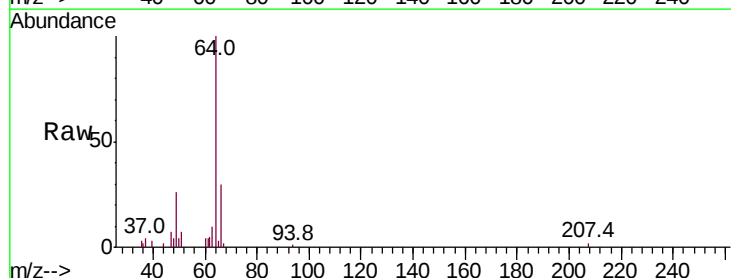
Acq: 17 Nov 2020 11:27

Tgt Ion: 64 Resp: 25104

Ion Ratio Lower Upper

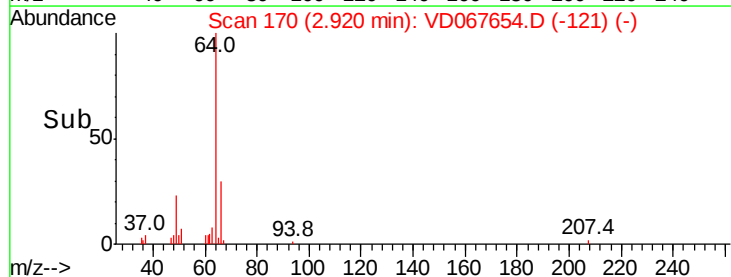
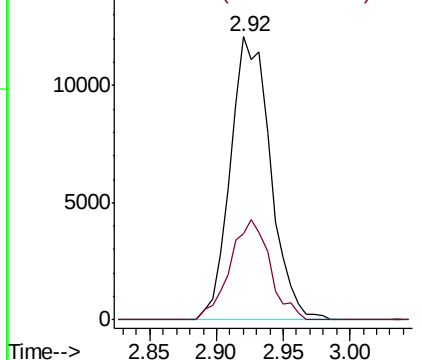
64 100

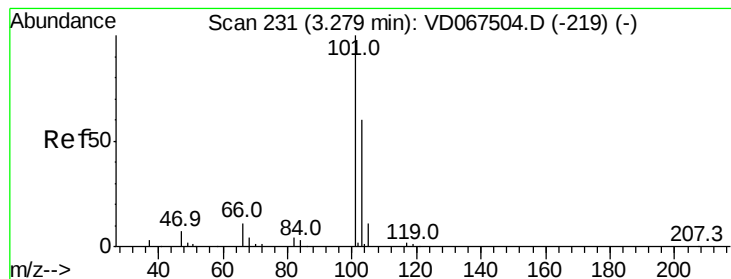
66 30.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



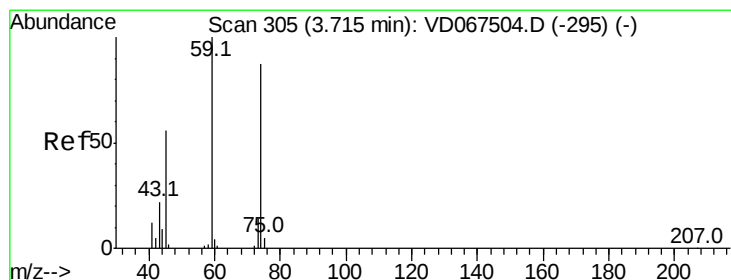
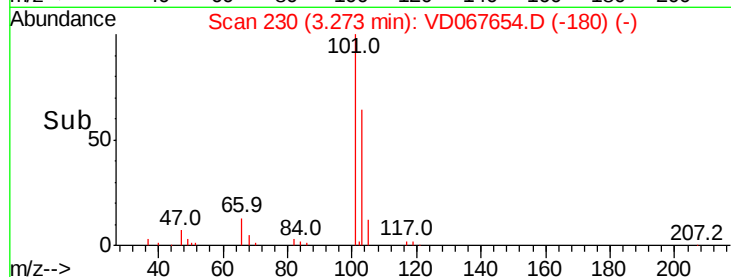
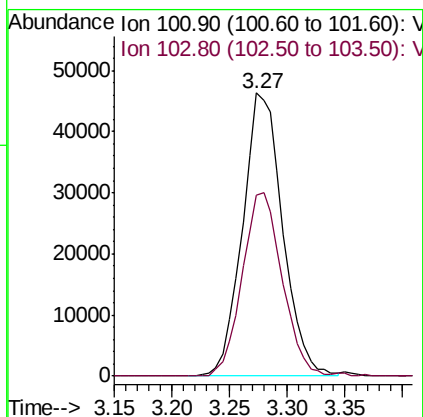
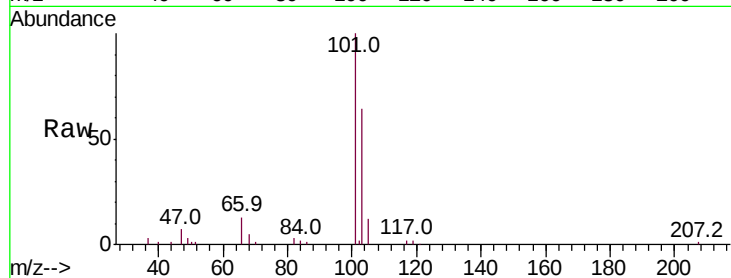


#7

Trichlorofluoromethane
 Concen: 22.263 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

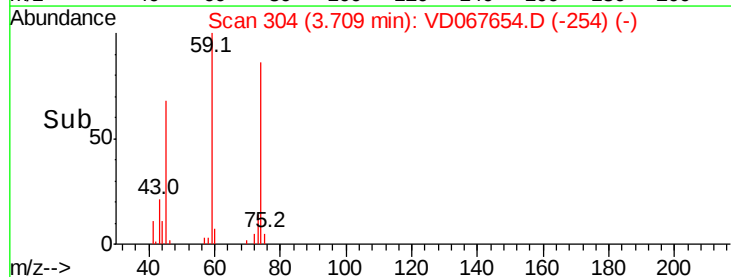
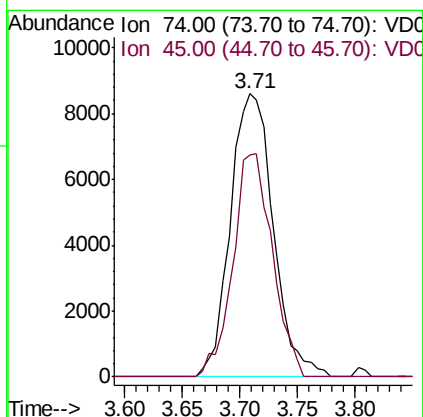
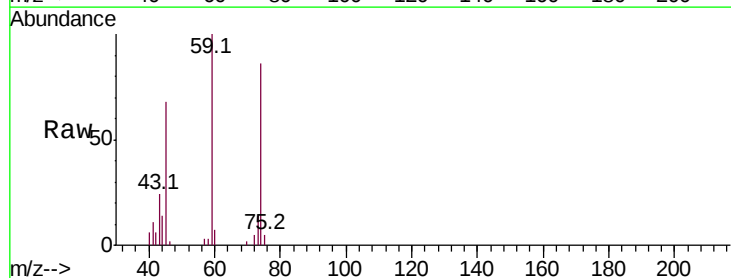
Tot Ion:101 Resp: 111978
 Ion Ratio Lower Upper
 101 100
 103 64.0 48.1 72.1

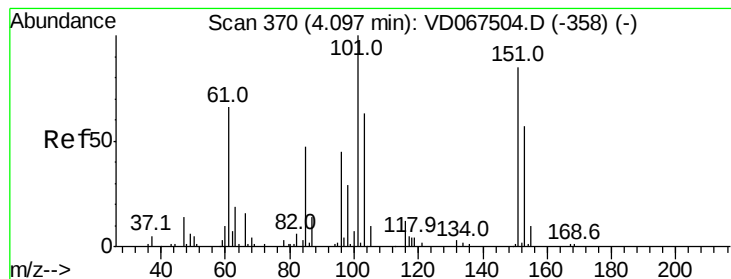


#8

Diethyl Ether
 Concen: 21.871 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion: 74 Resp: 22166
 Ion Ratio Lower Upper
 74 100
 45 72.7 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.682 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

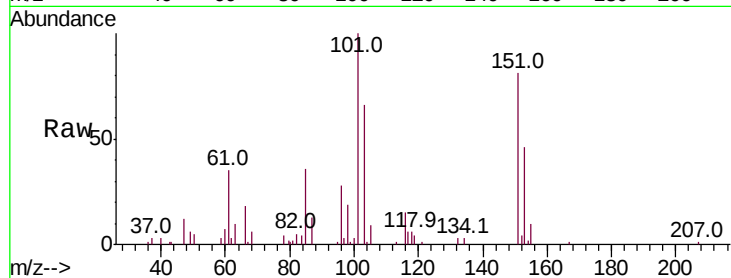
Tot Ion:101 Resp: 55049

Ion Ratio Lower Upper

101 100

85 43.2 34.4 51.6

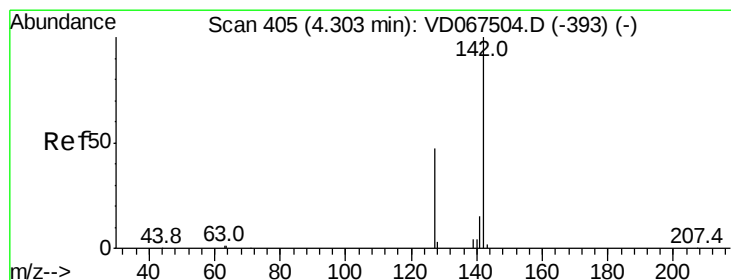
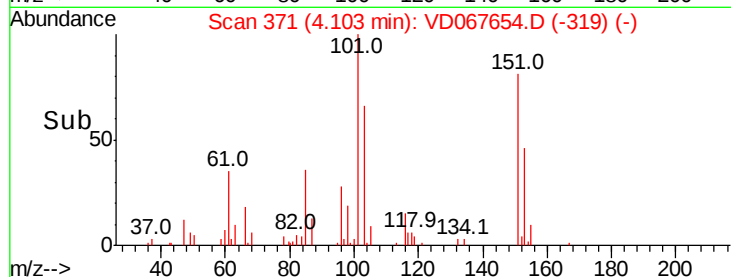
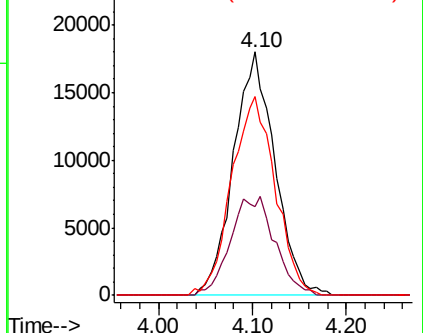
151 85.8 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.110 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

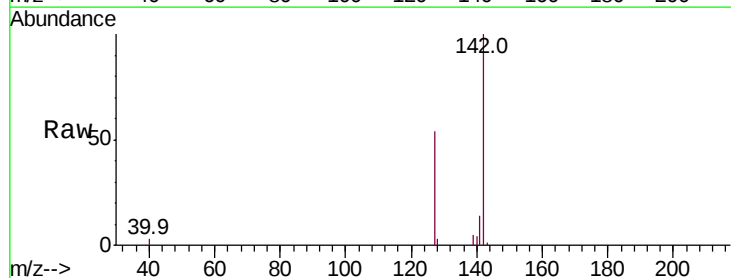
Tgt Ion:142 Resp: 54723

Ion Ratio Lower Upper

142 100

127 52.3 40.0 60.0

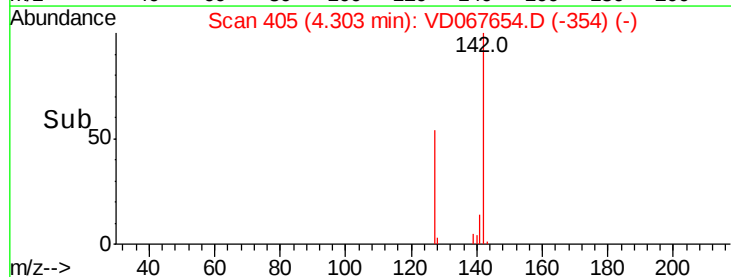
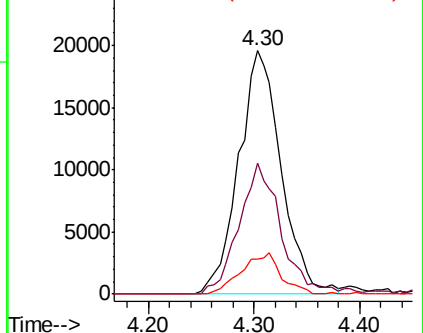
141 15.6 11.7 17.5

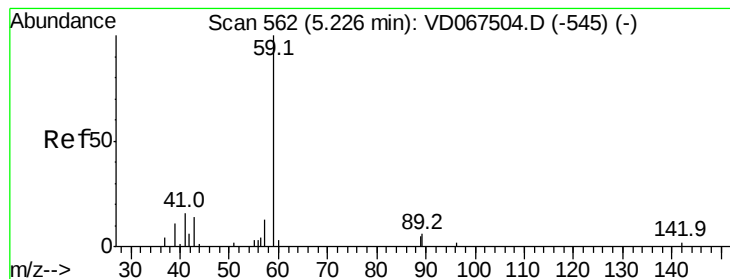


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



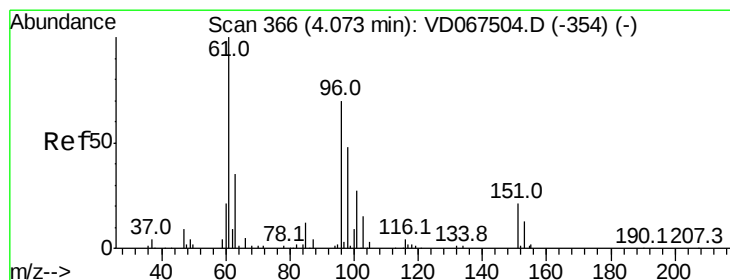
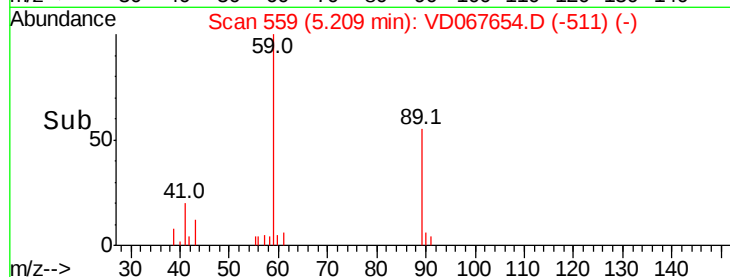
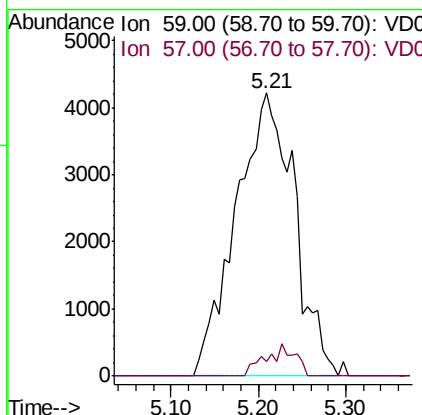
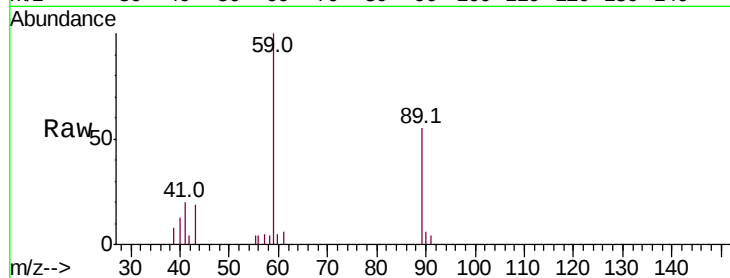


#11

Tert butyl alcohol
 Concen: 177.723 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

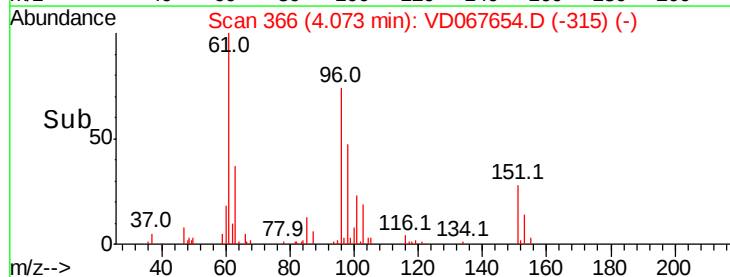
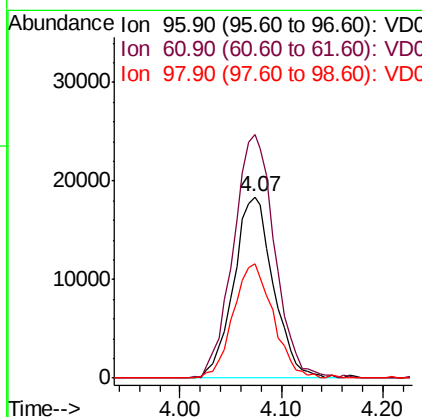
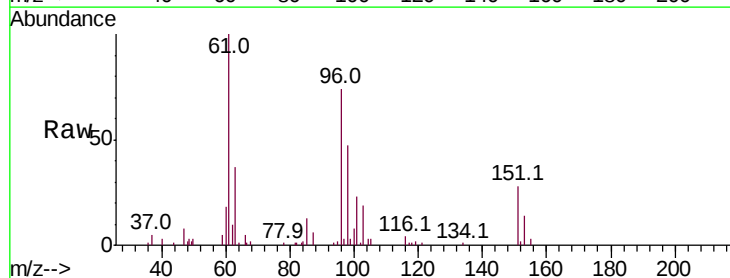
Tot Ion: 59 Resp: 19353
 Ion Ratio Lower Upper
 59 100
 57 5.6 5.9 8.9#

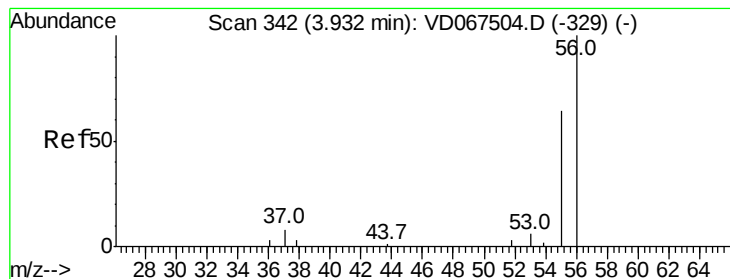


#12

1,1-Dichloroethene
 Concen: 21.340 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion: 96 Resp: 49836
 Ion Ratio Lower Upper
 96 100
 61 134.3 114.5 171.7
 98 63.3 54.5 81.7





#13

Acrolein

Concen: 65.469 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

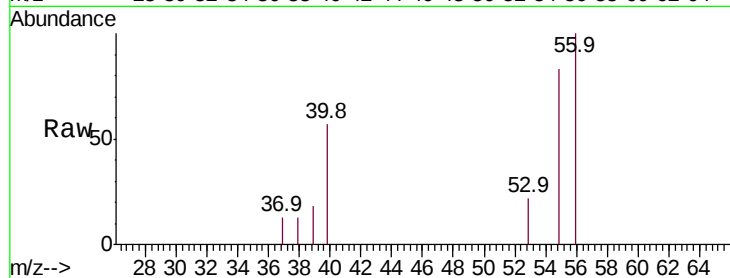
VD1117SBS01

Tot Ion: 56 Resp: 4546

Ion Ratio Lower Upper

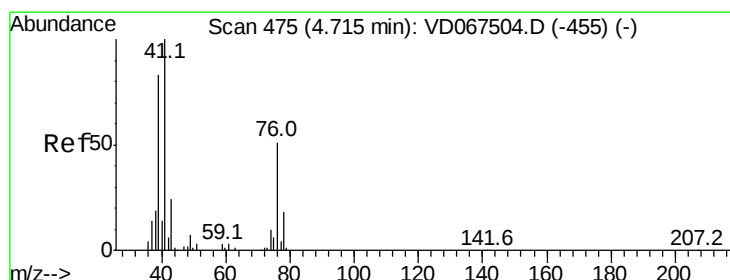
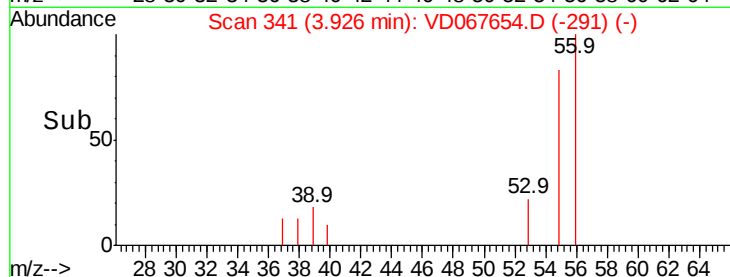
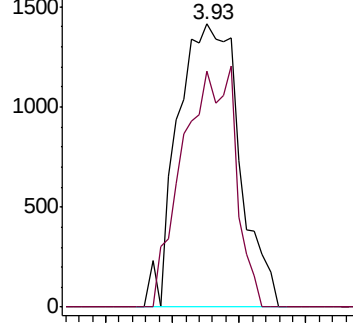
56 100

55 72.5 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.130 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

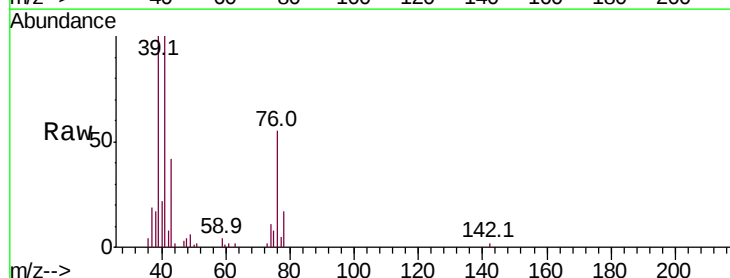
Tgt Ion: 41 Resp: 50313

Ion Ratio Lower Upper

41 100

39 86.3 67.4 101.0

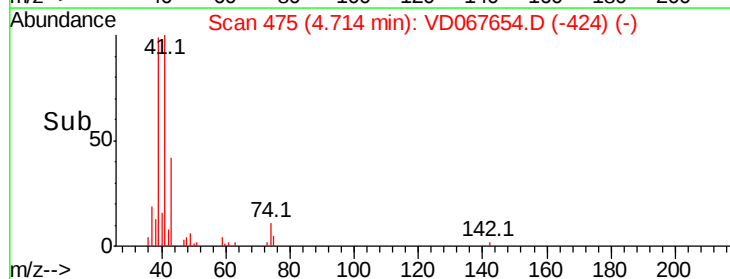
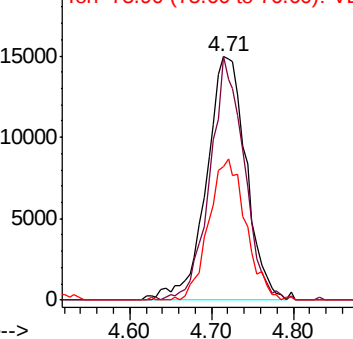
76 54.1 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 109.464 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

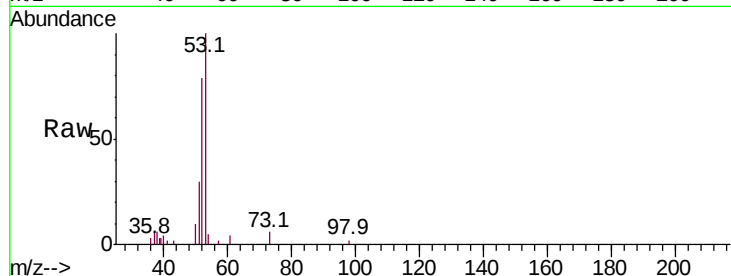
Tot Ion: 53 Resp: 41010

Ion Ratio Lower Upper

53 100

52 79.7 64.8 97.2

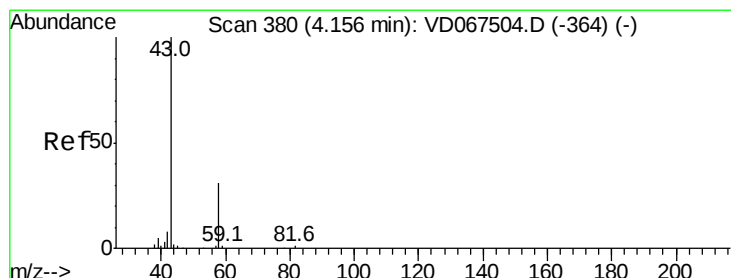
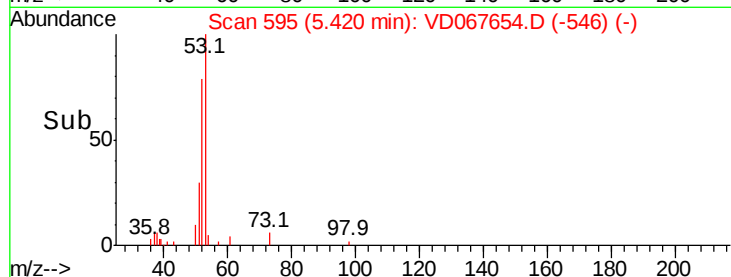
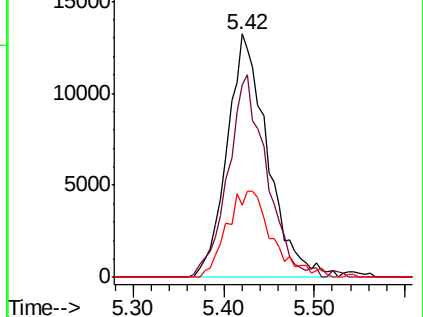
51 39.6 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 92.421 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067654.D

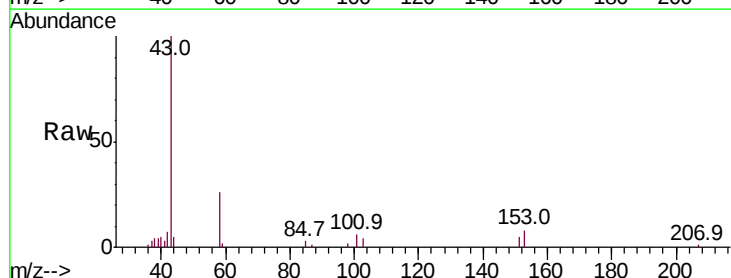
Acq: 17 Nov 2020 11:27

Tgt Ion: 43 Resp: 33836

Ion Ratio Lower Upper

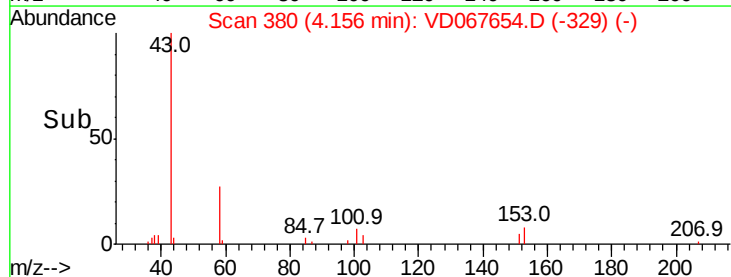
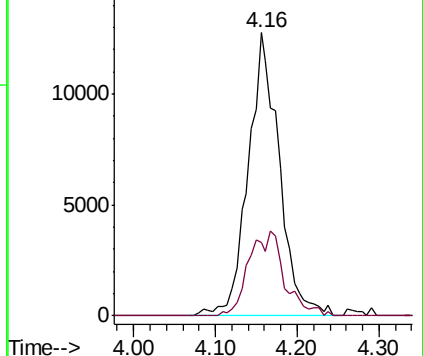
43 100

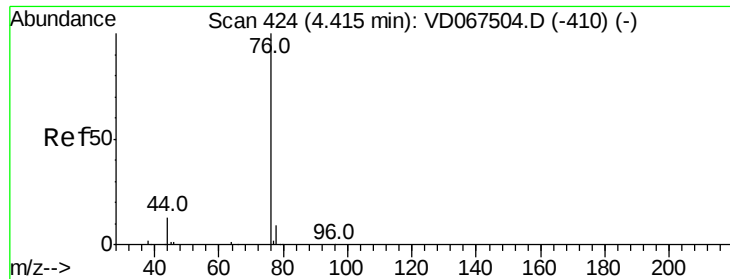
58 26.0 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

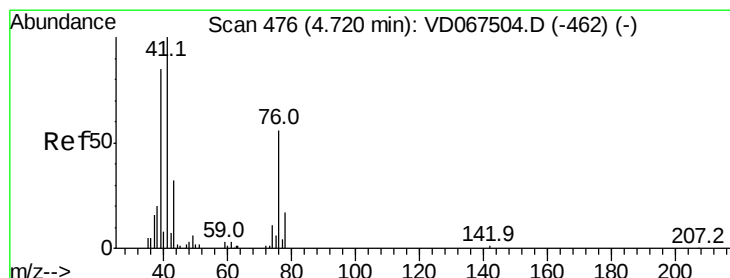
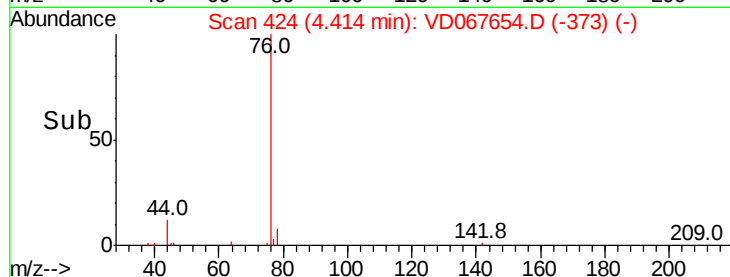
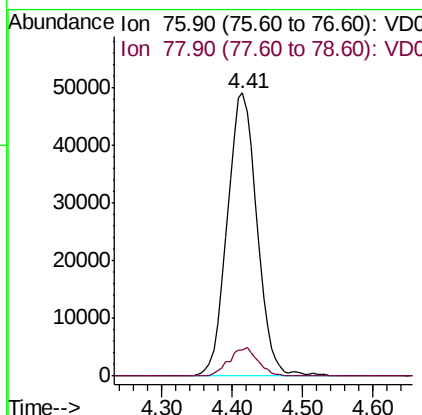
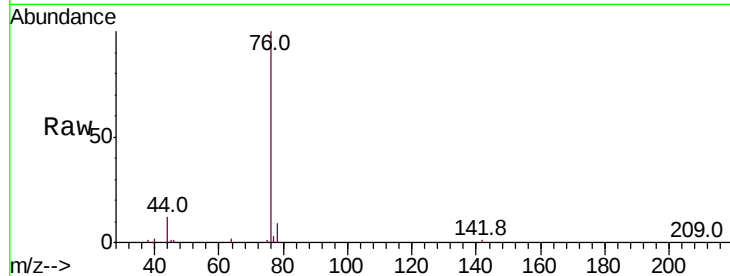




#17
Carbon Disulfide
Concen: 20.074 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

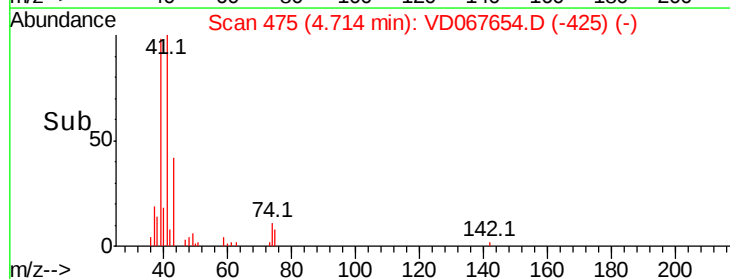
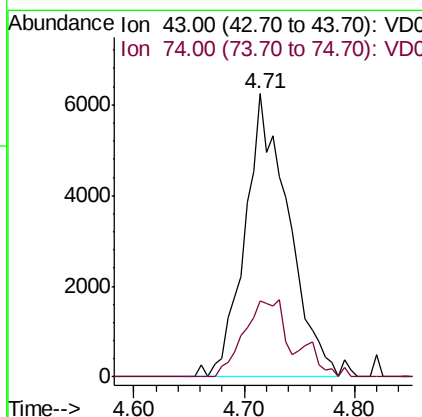
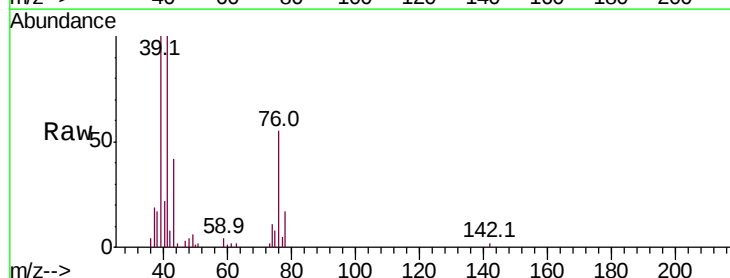
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

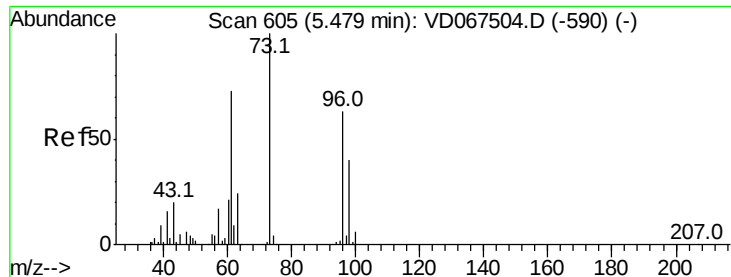
Tot Ion: 76 Resp: 143652
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 22.789 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 43 Resp: 17241
Ion Ratio Lower Upper
43 100
74 25.1 27.2 40.8#

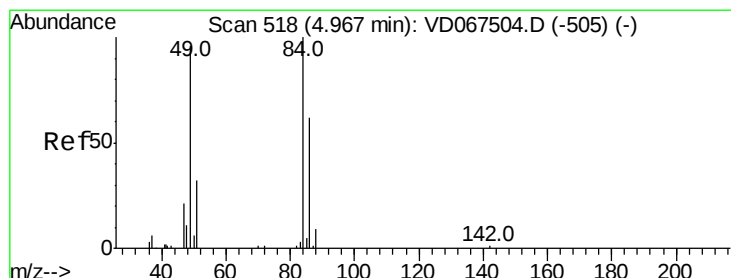
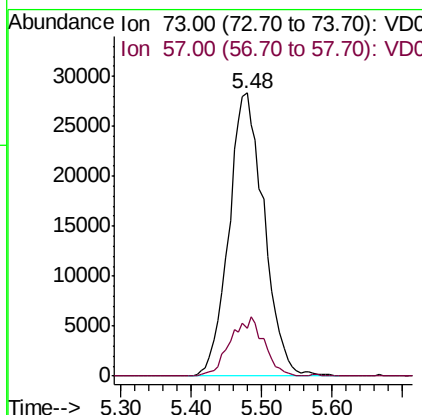
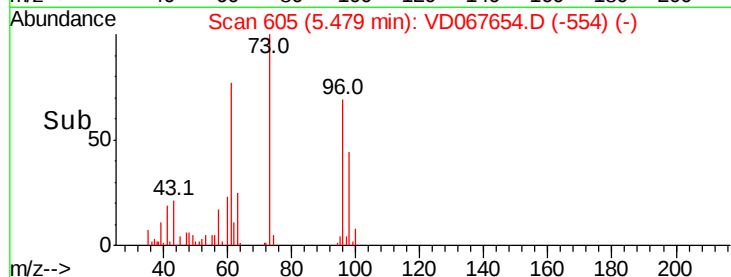
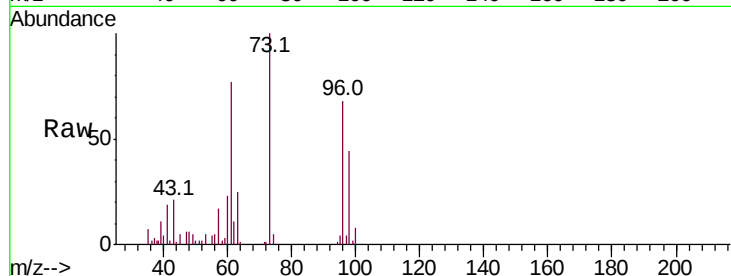




#19
Methyl tert-butyl Ether
Concen: 21.260 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

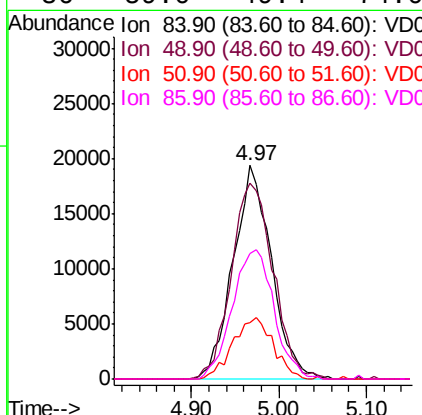
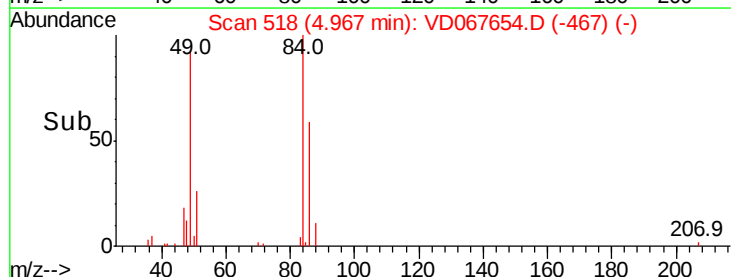
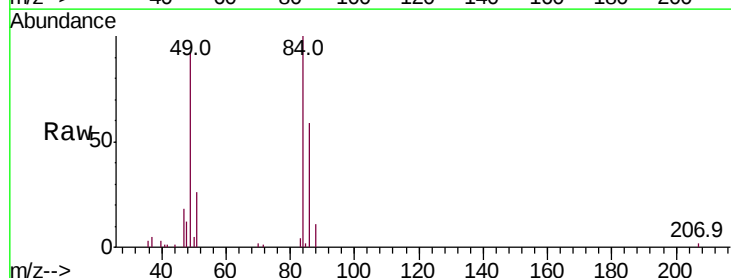
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

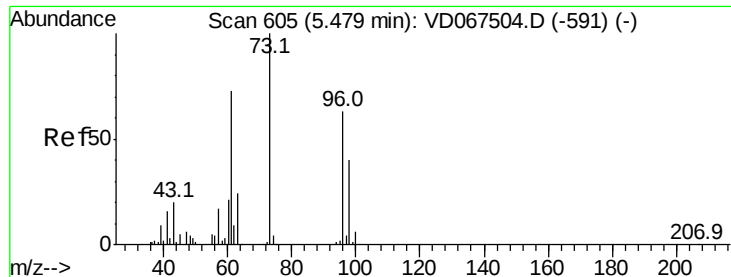
Tot Ion: 73 Resp: 97932
Ion Ratio Lower Upper
73 100
57 16.9 13.4 20.0



#20
Methylene Chloride
Concen: 22.295 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 84 Resp: 57657
Ion Ratio Lower Upper
84 100
49 91.9 77.0 115.4
51 26.1 25.4 38.2
86 59.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 21.337 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

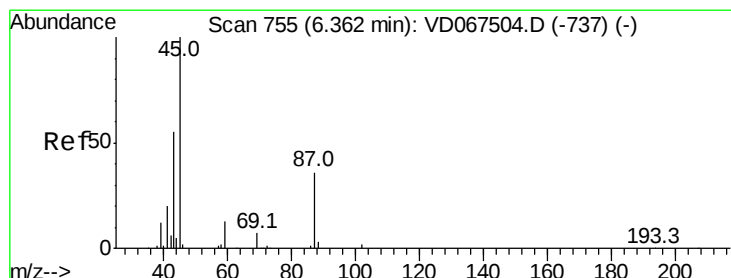
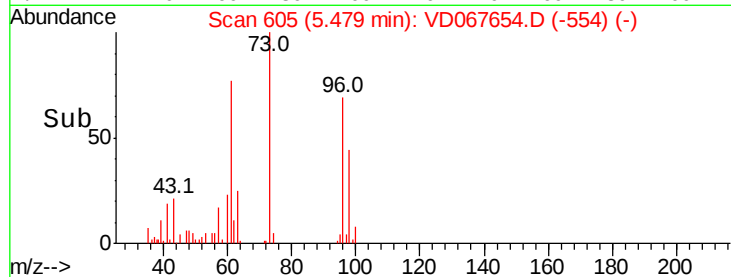
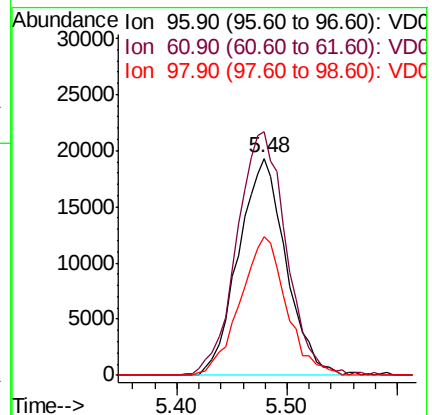
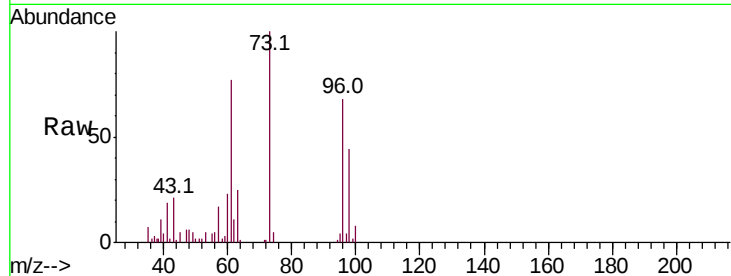
Tot Ion: 96 Resp: 58037

Ion Ratio Lower Upper

96 100

61 111.1 93.0 139.6

98 64.0 50.9 76.3



#22

Diisopropyl ether

Concen: 21.998 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Tgt Ion: 45 Resp: 107145

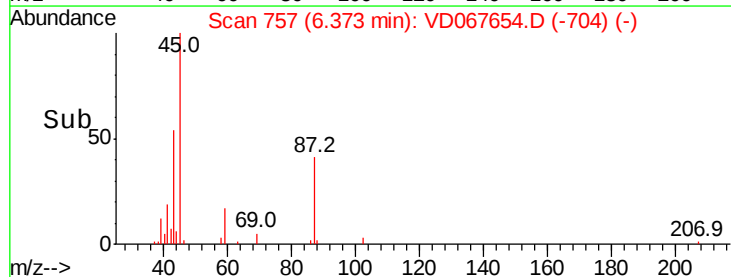
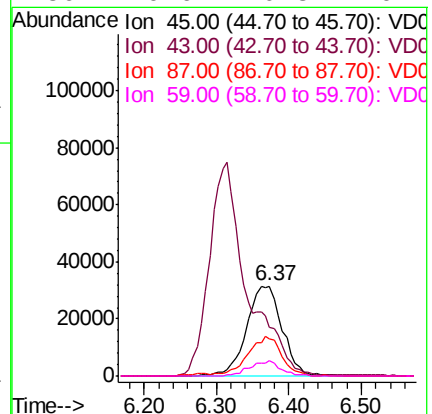
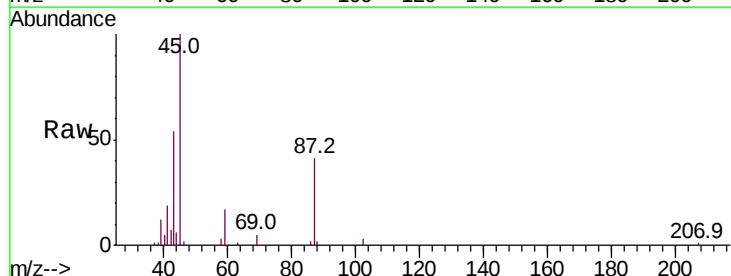
Ion Ratio Lower Upper

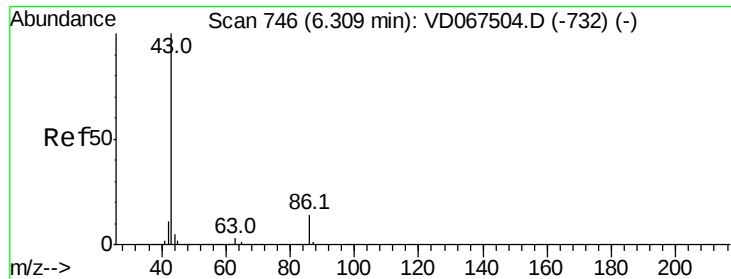
45 100

43 53.0 46.2 69.4

87 40.9 29.4 44.2

59 16.6 10.8 16.2#





#23

Vinyl Acetate

Concen: 106.045 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

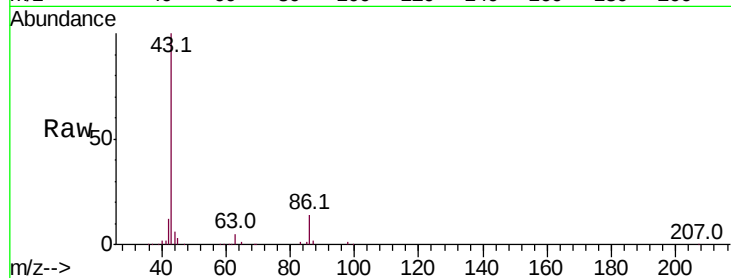
VD1117SBS01

Tot Ion: 43 Resp: 270364

Ion Ratio Lower Upper

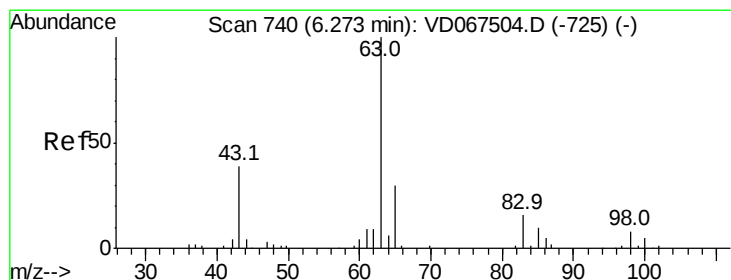
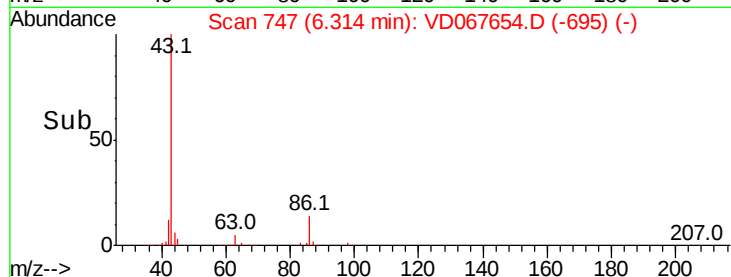
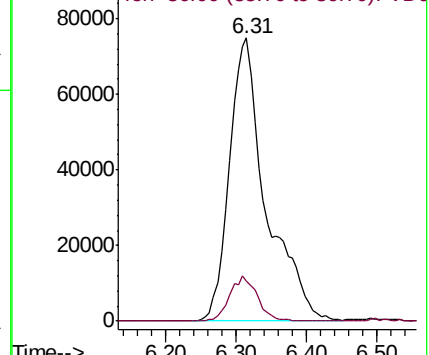
43 100

86 14.0 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.790 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

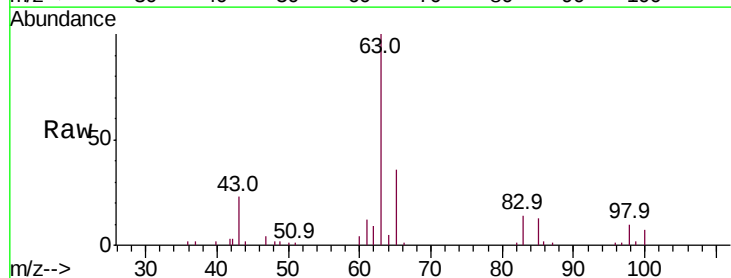
Tgt Ion: 63 Resp: 86824

Ion Ratio Lower Upper

63 100

98 9.7 3.9 11.5

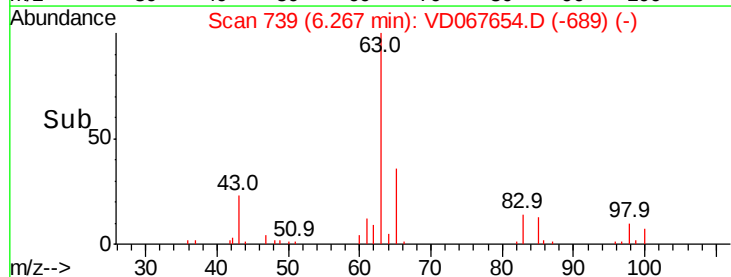
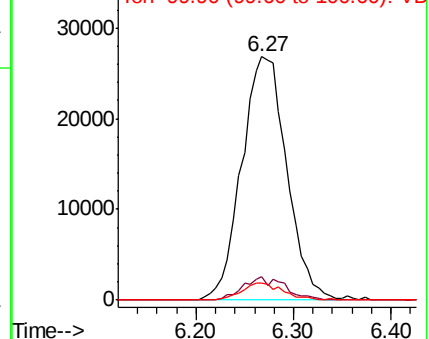
100 6.8 2.6 7.8

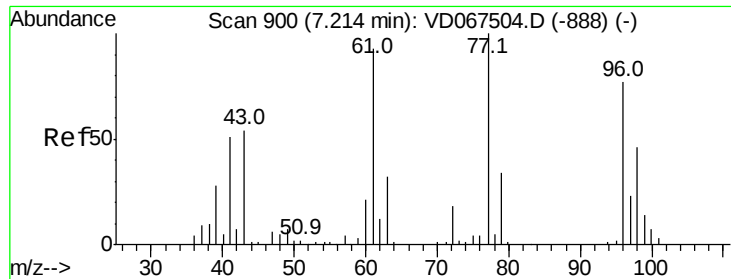


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.676 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

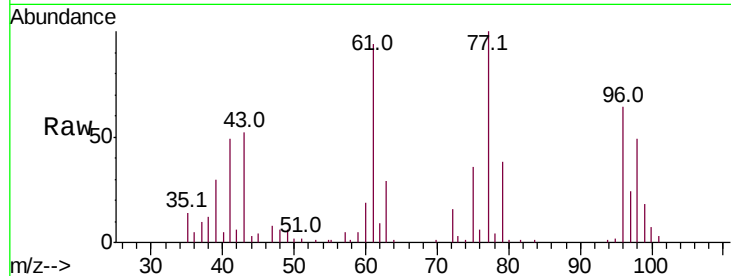
VD1117SBS01

Tot Ion: 43 Resp: 40949

Ion Ratio Lower Upper

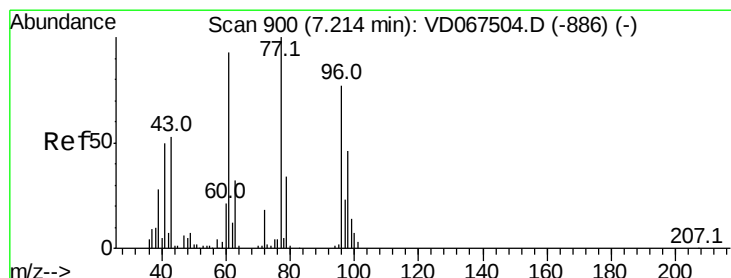
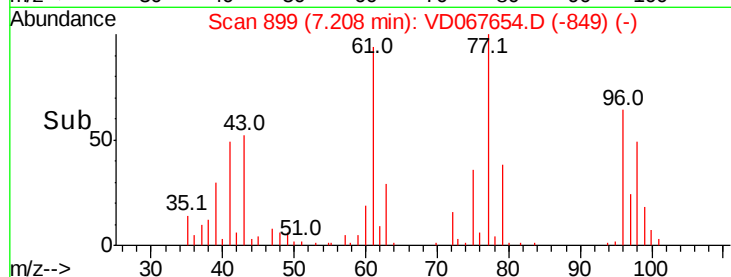
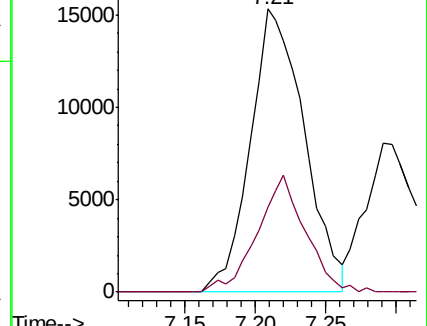
43 100

72 30.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.496 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067654.D

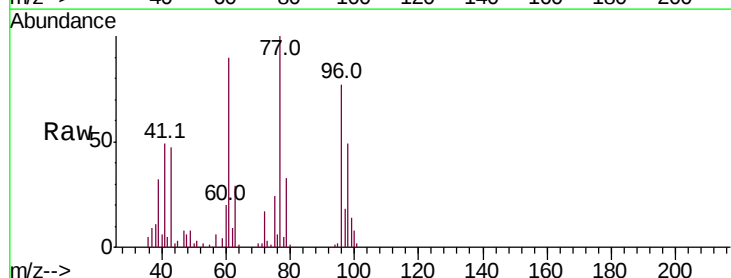
Acq: 17 Nov 2020 11:27

Tgt Ion: 77 Resp: 94602

Ion Ratio Lower Upper

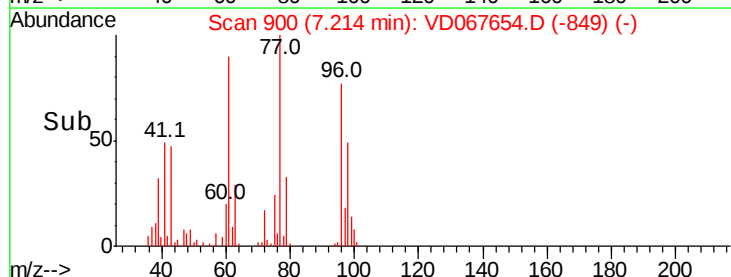
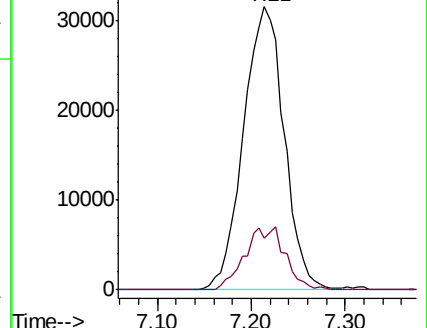
77 100

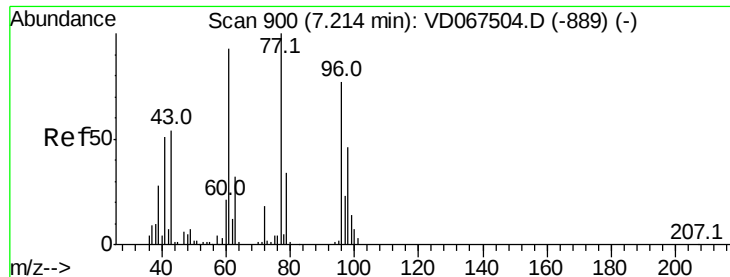
97 22.0 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



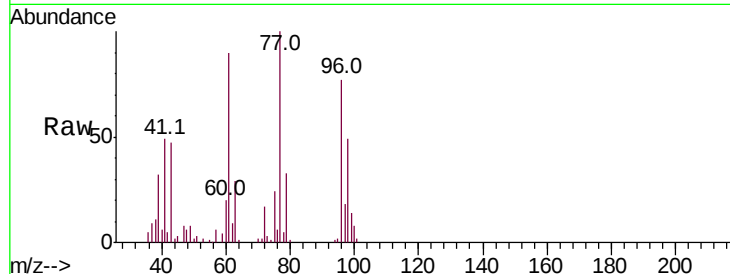


#27

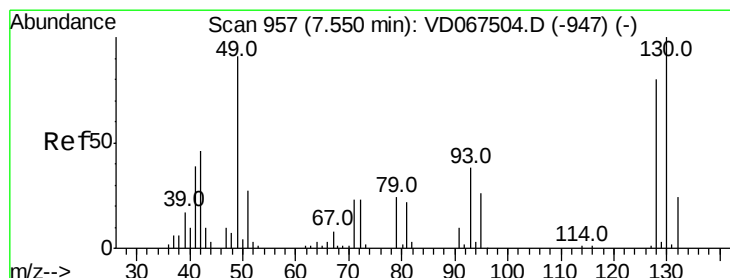
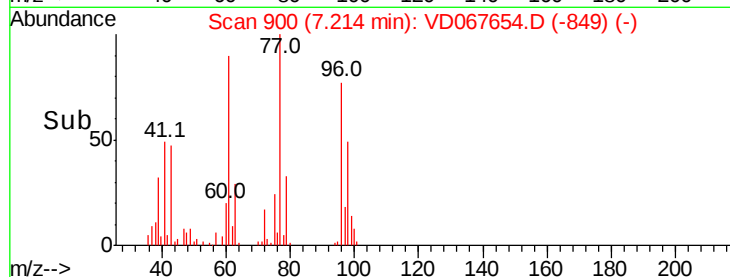
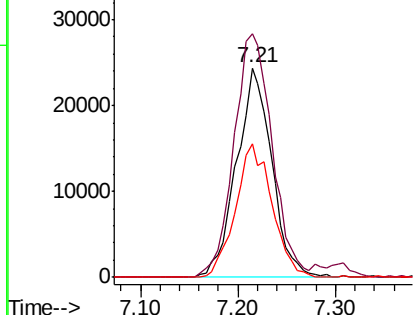
cis-1,2-Dichloroethene
Concen: 21.702 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

Tot Ion: 96 Resp: 61271
Ion Ratio Lower Upper
96 100
61 126.2 0.0 251.6
98 65.8 0.0 128.0



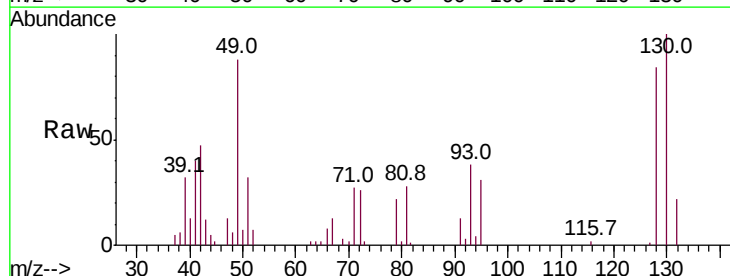
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



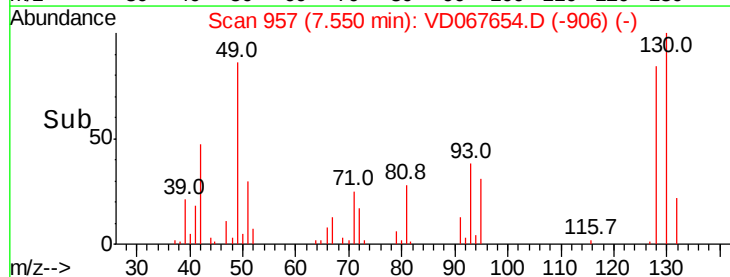
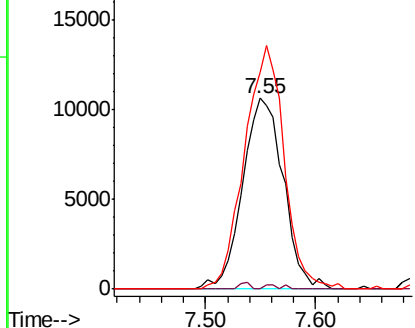
#28

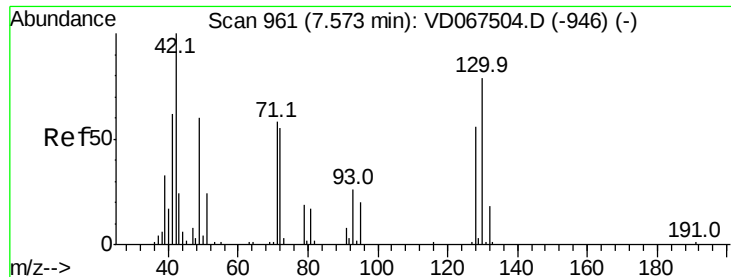
Bromochloromethane
Concen: 19.480 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 49 Resp: 27610
Ion Ratio Lower Upper
49 100
129 1.0 0.0 6.4
130 123.9 94.6 142.0



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

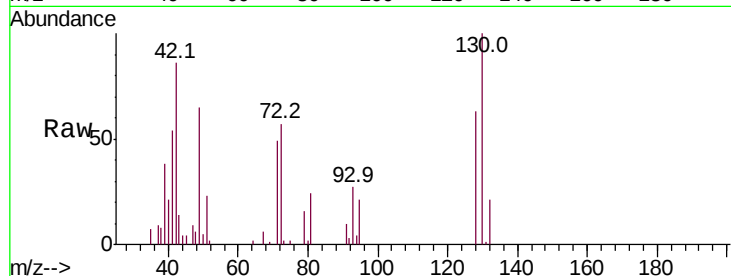




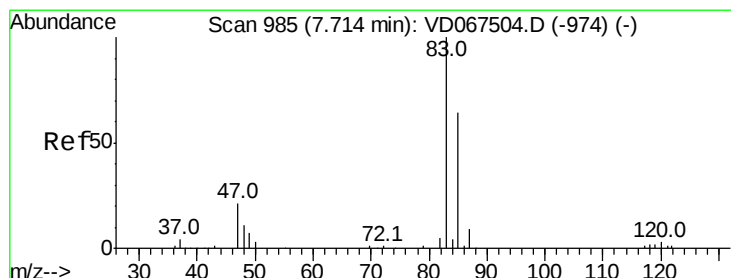
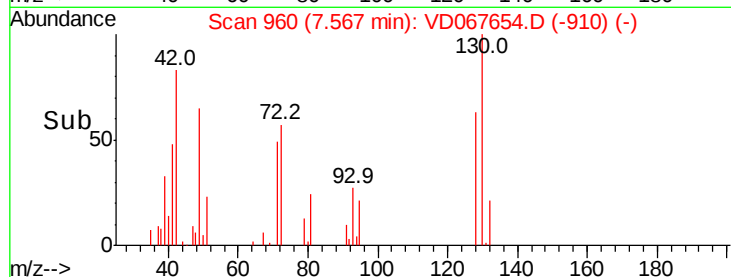
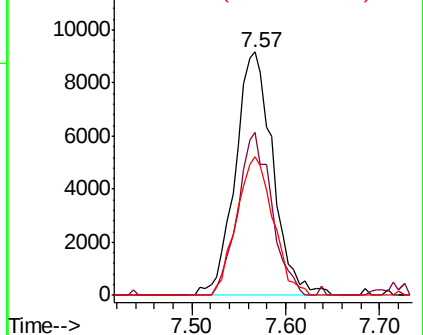
#29
Tetrahydrofuran
Concen: 108.463 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion: 42 Resp: 25416
Ion Ratio Lower Upper
42 100
72 60.0 46.3 69.5
71 55.4 44.0 66.0

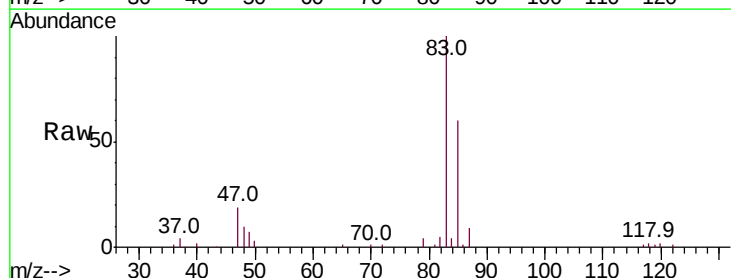


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

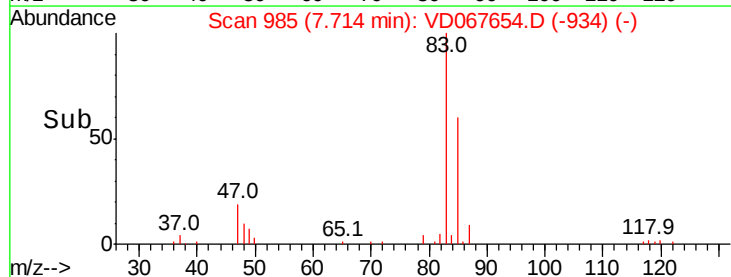
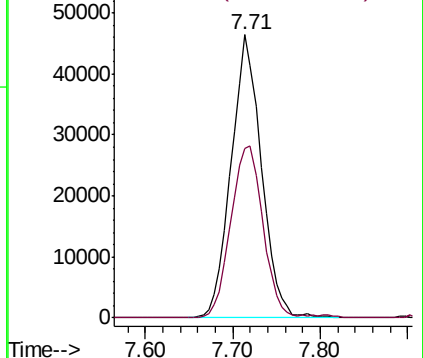


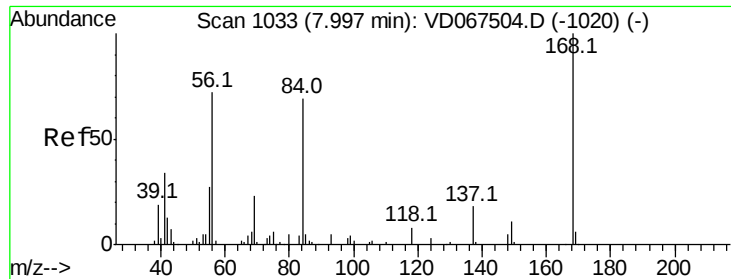
#30
Chloroform
Concen: 22.965 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 83 Resp: 109167
Ion Ratio Lower Upper
83 100
85 59.7 51.5 77.3



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

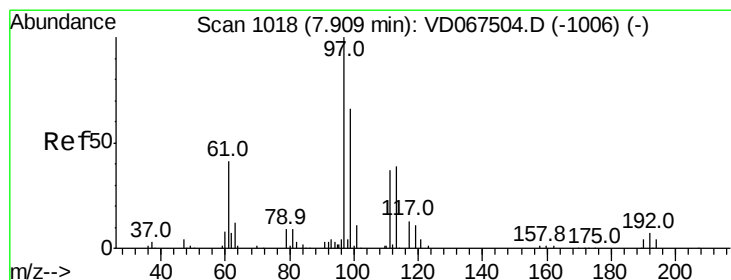
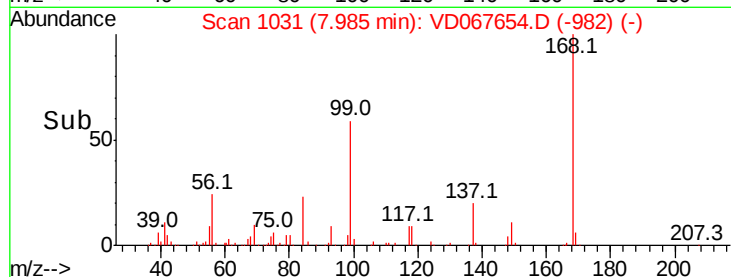
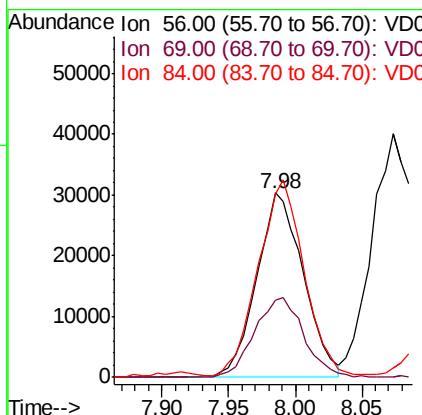
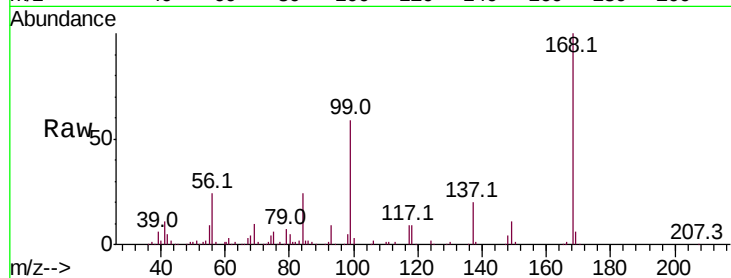




#31
Cyclohexane
Concen: 20.706 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

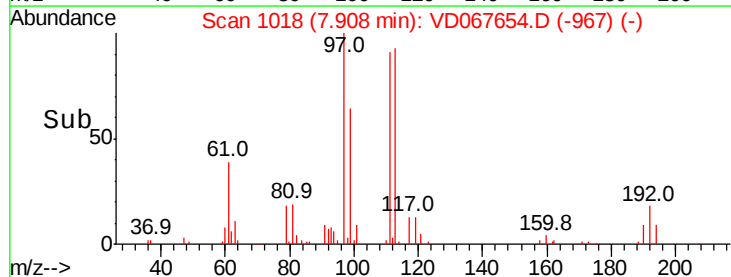
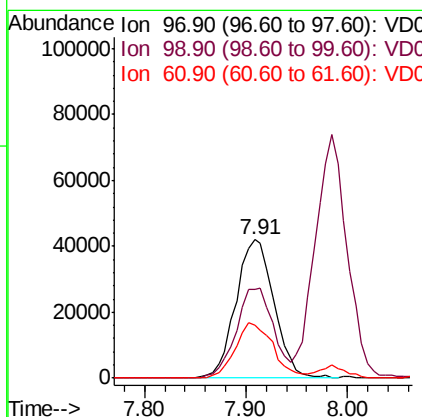
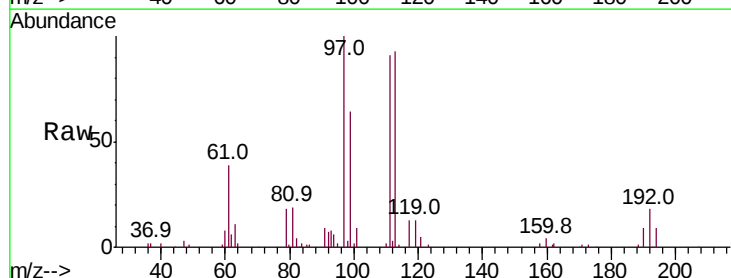
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

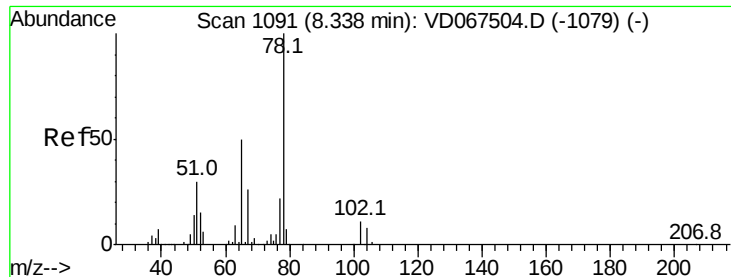
Tot Ion: 56 Resp: 73473
Ion Ratio Lower Upper
56 100
69 42.2 25.9 38.9#
84 97.3 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 22.374 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 97 Resp: 109737
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 40.0 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 49.711 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

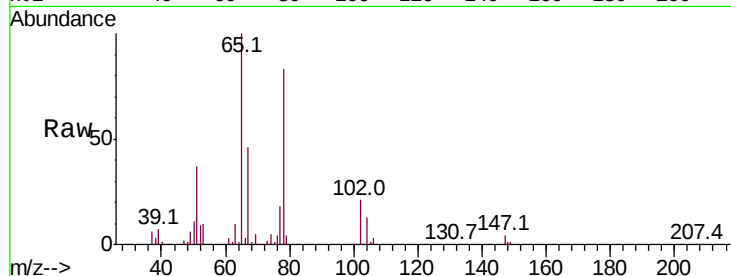
VD1117SBSD01

Tot Ion: 65 Resp: 121618

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

50000

40000

30000

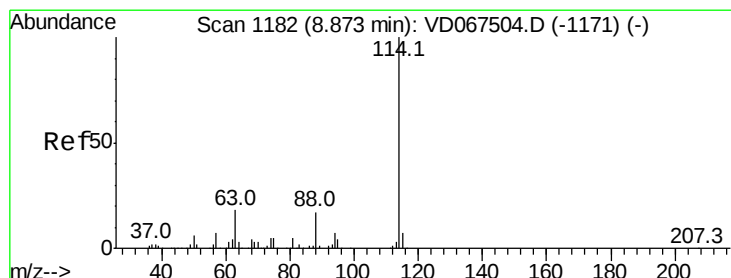
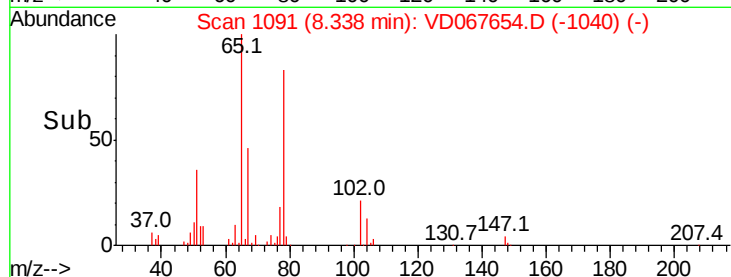
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

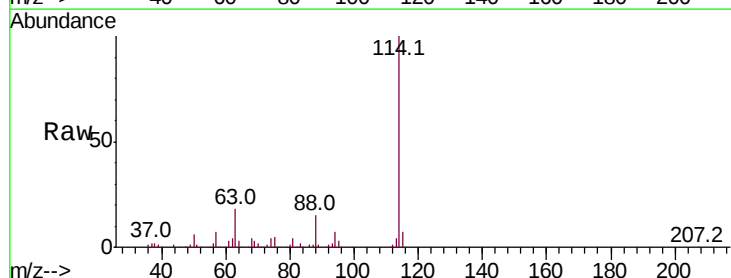
Tgt Ion:114 Resp: 417389

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 15.4 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

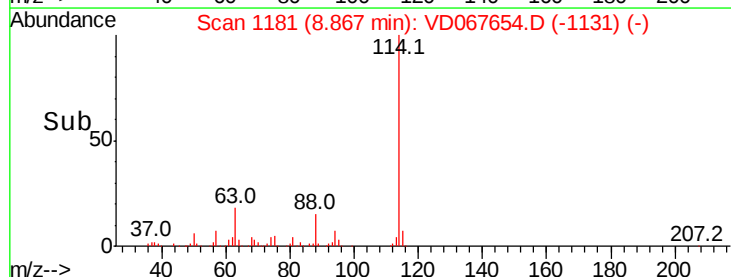
100000

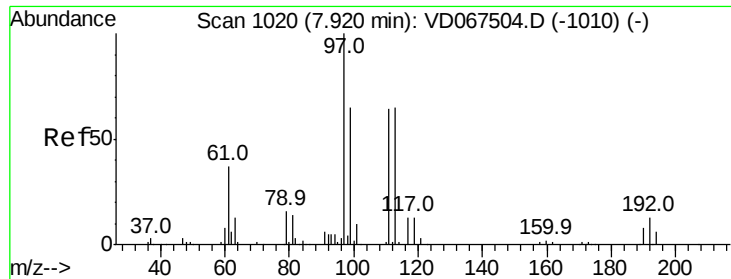
50000

0

8.80 8.85 8.90 8.95

Time-->

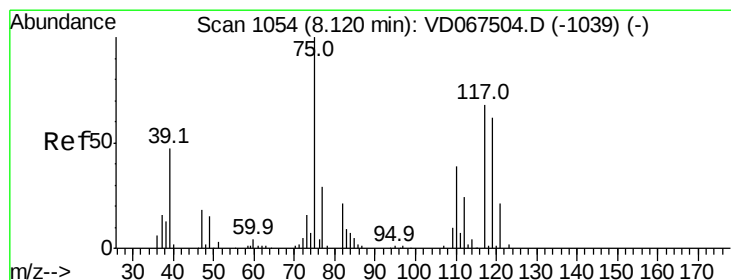
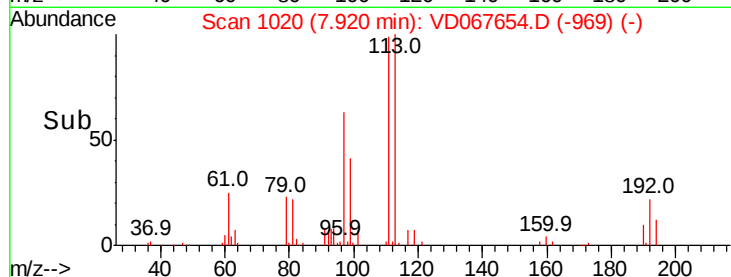
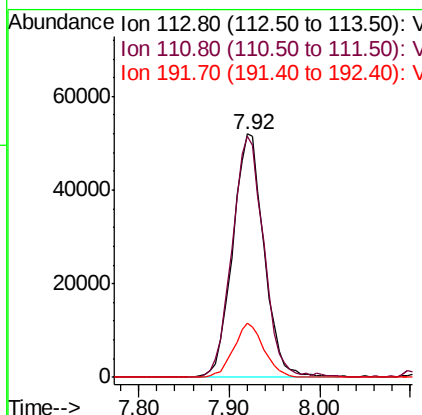
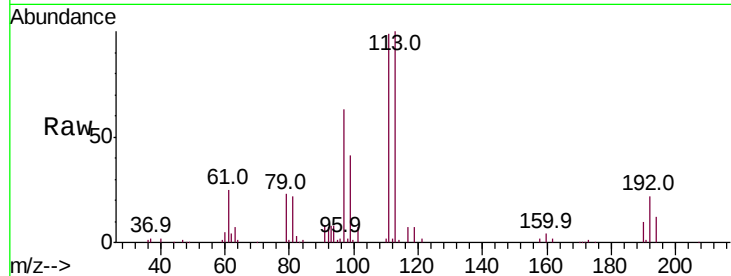




#35
Dibromofluoromethane
Concen: 49.623 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

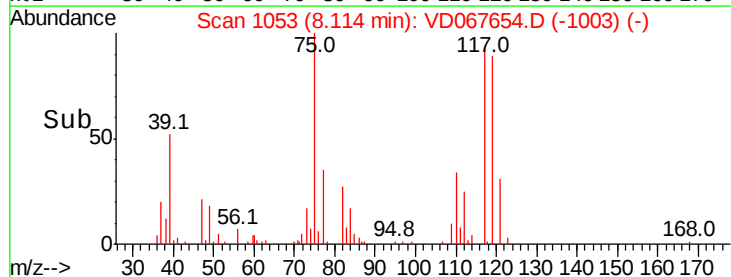
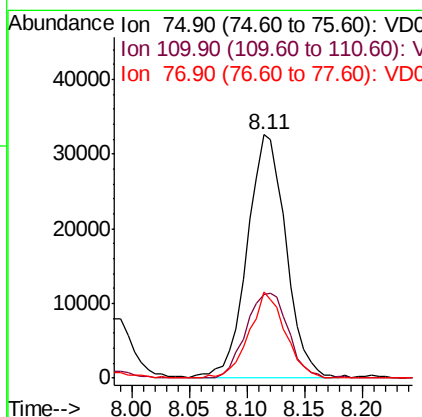
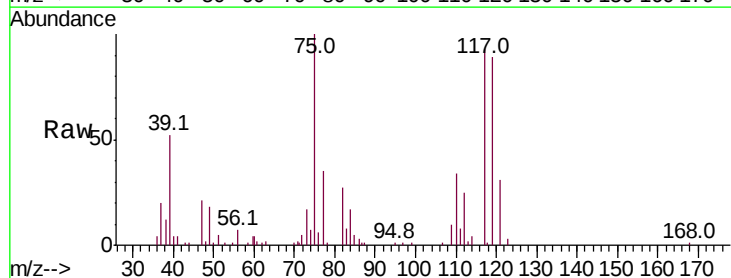
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

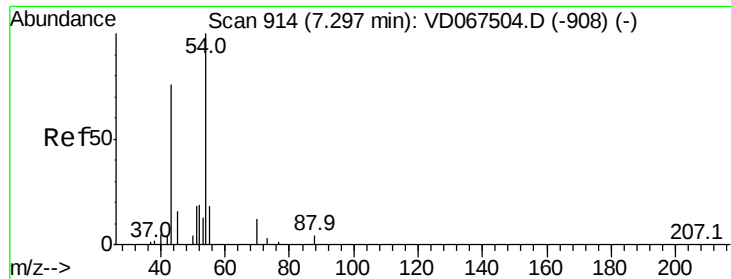
Tot Ion:113 Resp: 124791
Ion Ratio Lower Upper
113 100
111 99.7 80.0 120.0
192 21.3 16.3 24.5



#36
1,1-Dichloropropene
Concen: 21.381 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 75 Resp: 76391
Ion Ratio Lower Upper
75 100
110 37.8 19.9 59.7
77 33.0 24.8 37.2





#37

Ethyl Acetate

Concen: 23.451 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

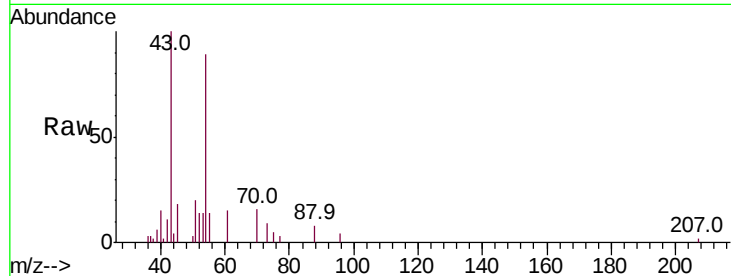
Tot Ion: 43 Resp: 21752

Ion Ratio Lower Upper

43 100

61 10.8 12.8 19.2#

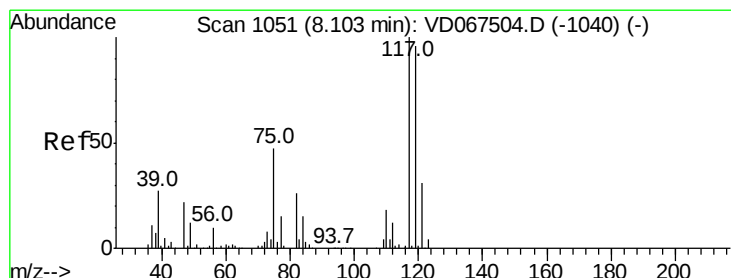
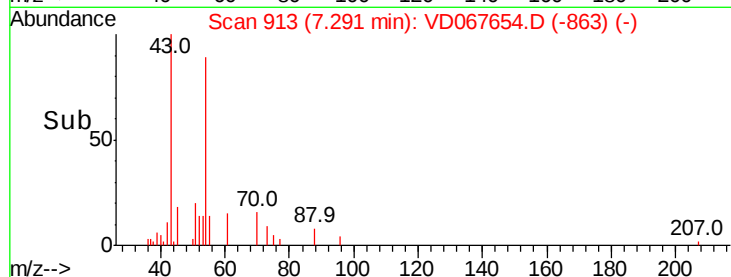
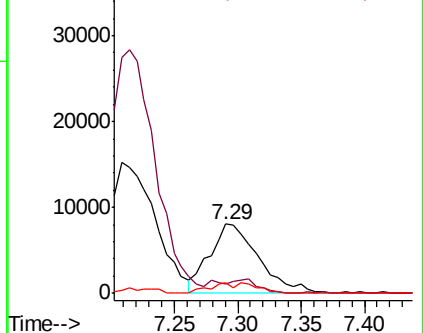
70 7.7 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 22.368 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

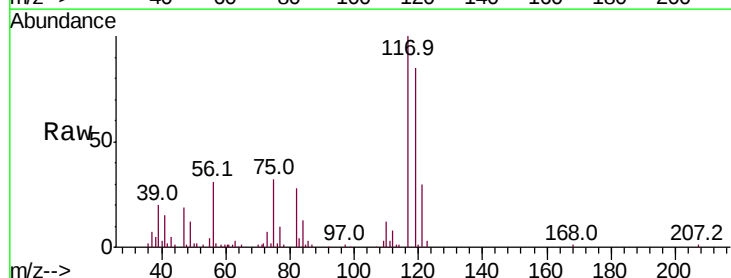
Tgt Ion: 117 Resp: 103831

Ion Ratio Lower Upper

117 100

119 85.0 76.9 115.3

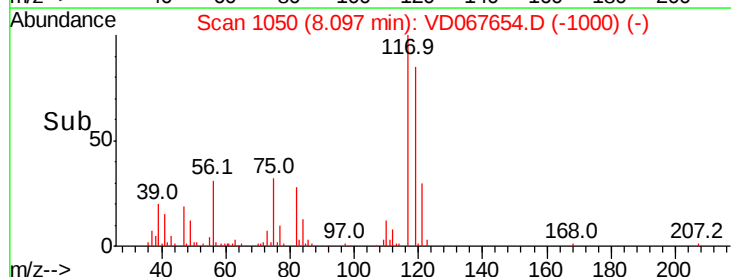
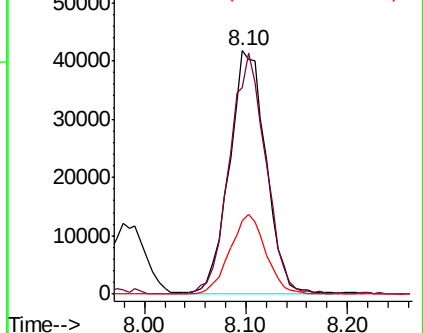
121 30.3 24.5 36.7

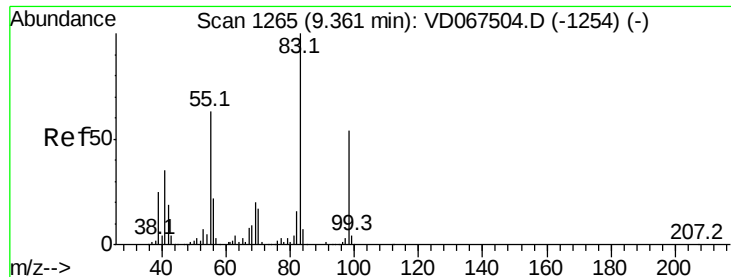


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

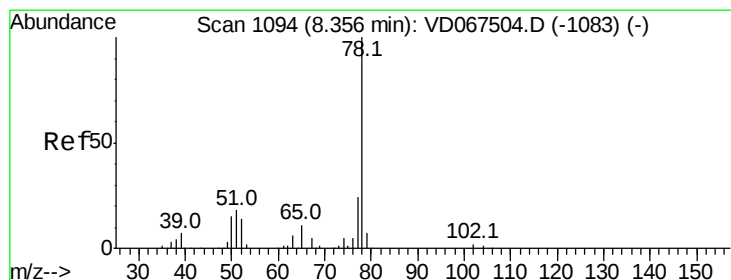
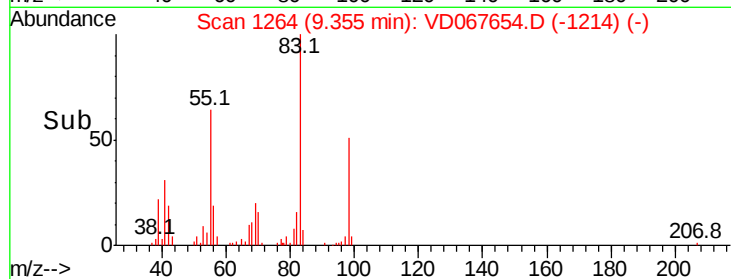
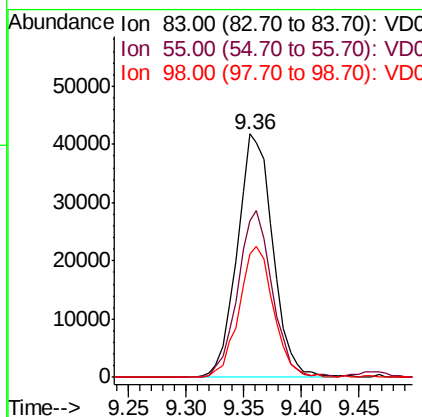
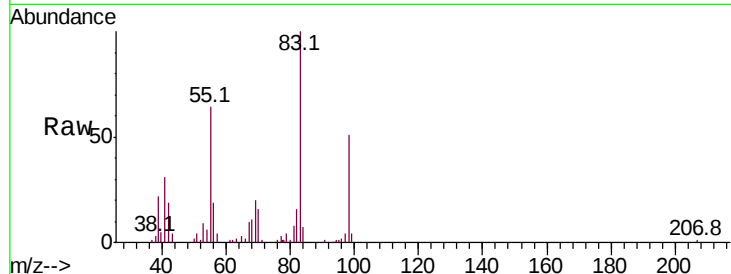




#39
Methvlcvclohexane
Concen: 21.311 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

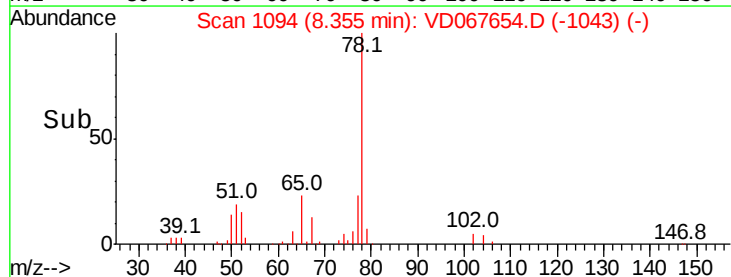
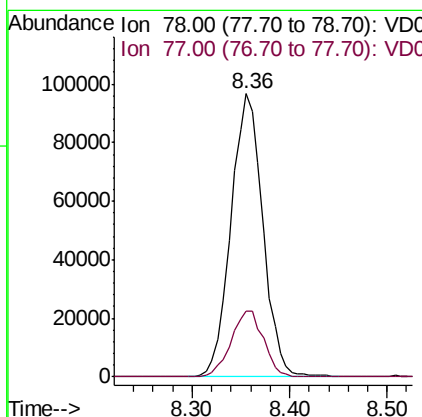
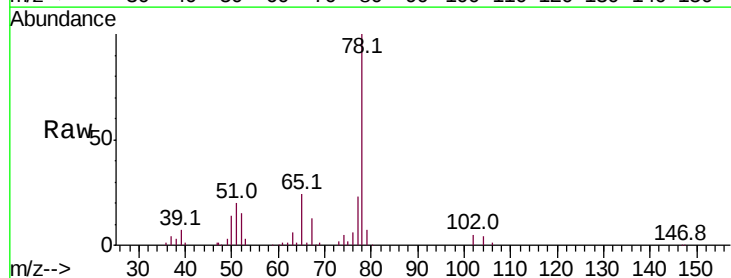
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

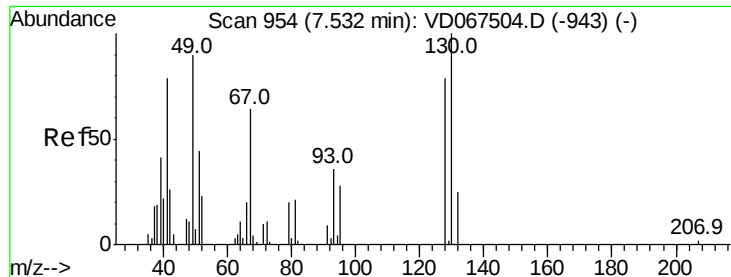
Tot Ion	83	Resp	89616
Ion Ratio	100		
Lower	50.5		
Upper	75.7		
83	100		
55	64.4		
98	50.5		



#40
Benzene
Concen: 22.592 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion	78	Resp	218643
Ion Ratio	100		
Lower	19.1		
Upper	28.7		
78	100		
77	23.2		

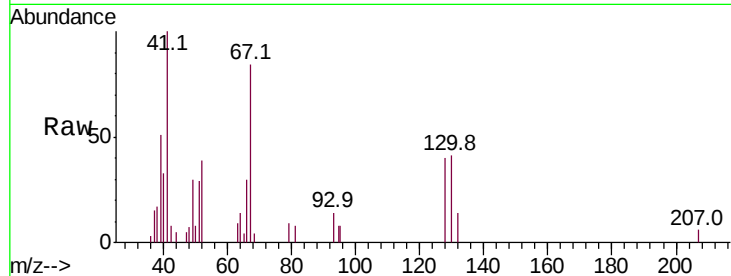




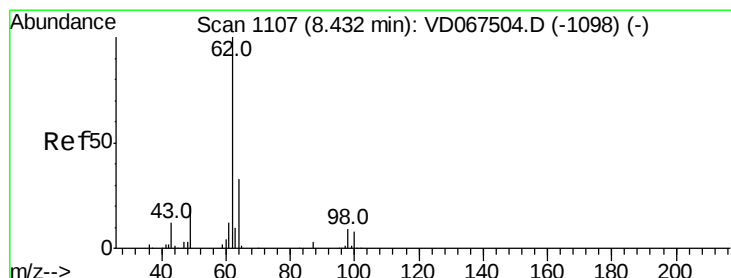
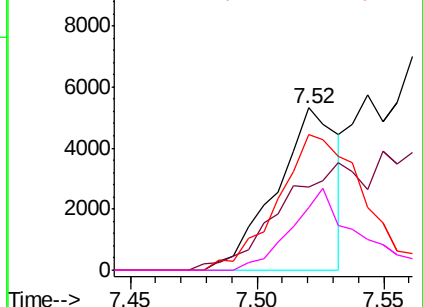
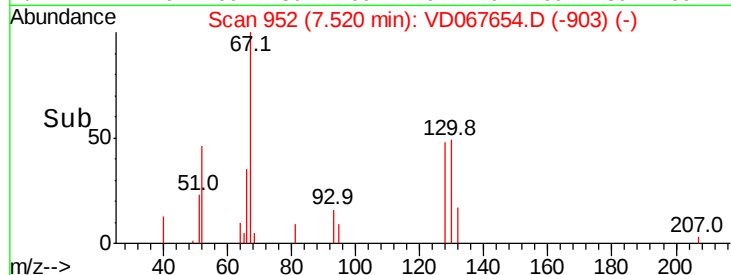
#41
Methacrylonitrile
Concen: 16.097 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion: 41 Resp: 8925
Ion Ratio Lower Upper
41 100
39 90.2 51.3 76.9#
67 119.6 78.9 118.3#
52 53.1 31.4 47.2#

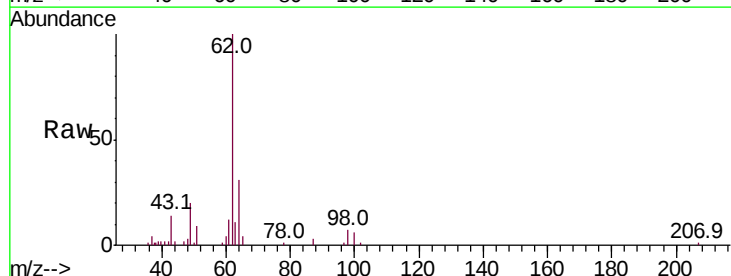


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

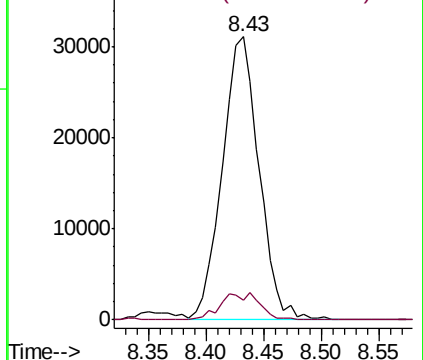
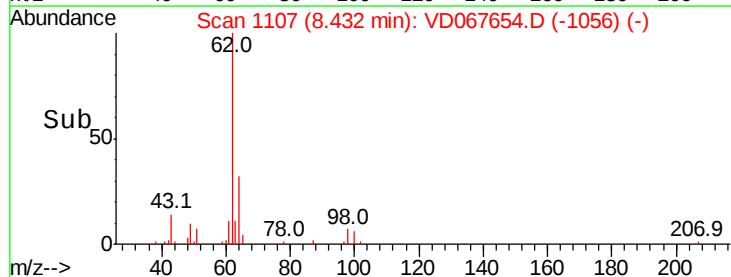


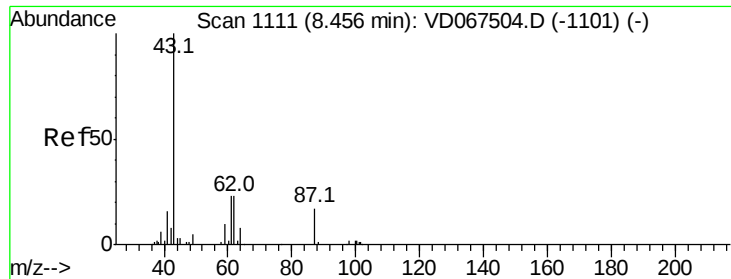
#42
1,2-Dichloroethane
Concen: 22.925 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 62 Resp: 68550
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.8



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





#43

Isopropyl Acetate

Concen: 21.027 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

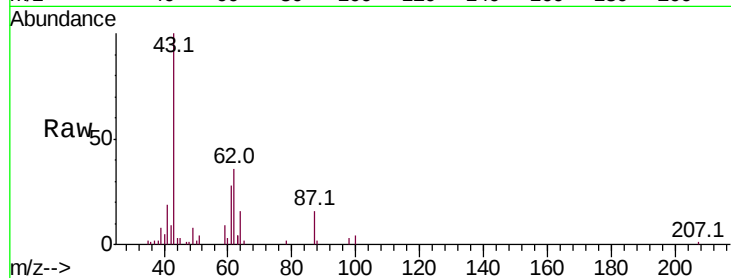
Tot Ion: 43 Resp: 38573

Ion Ratio Lower Upper

43 100

61 39.5 30.5 45.7

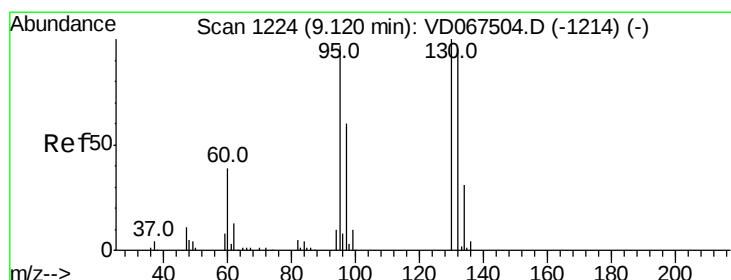
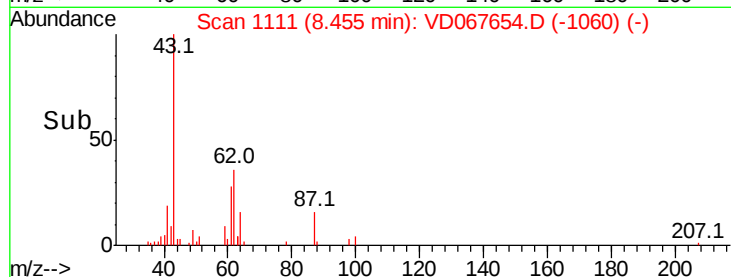
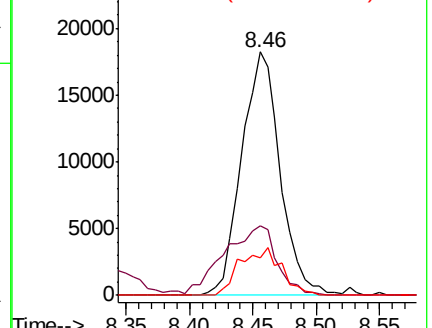
87 20.7 14.7 22.1



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: 21.560 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067654.D

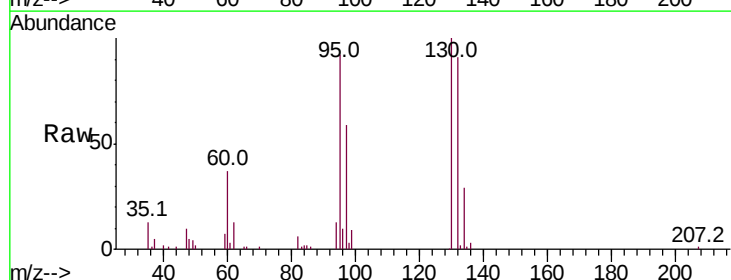
Acq: 17 Nov 2020 11:27

Tgt Ion:130 Resp: 68606

Ion Ratio Lower Upper

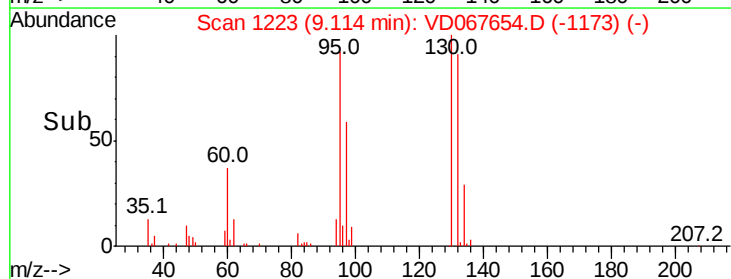
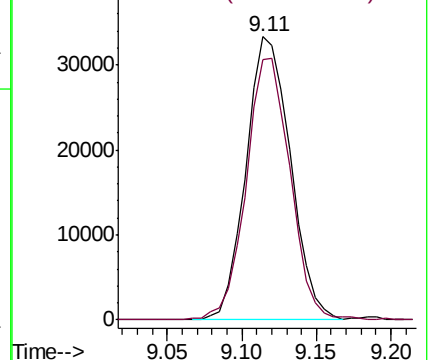
130 100

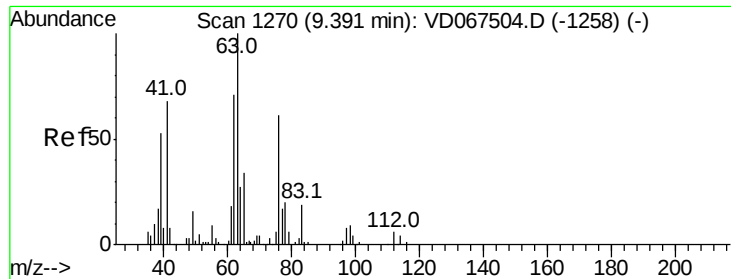
95 91.5 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

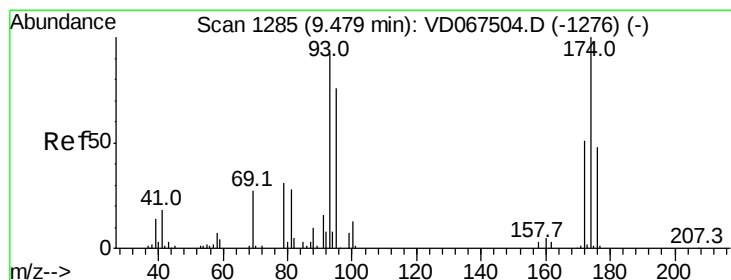
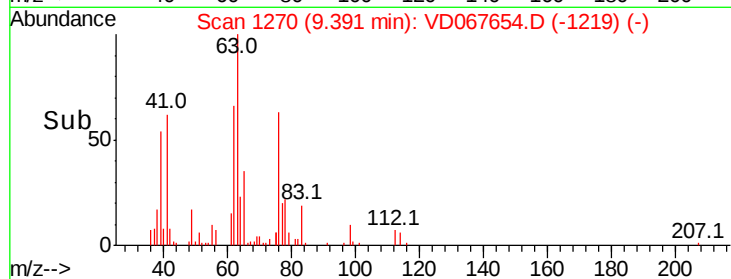
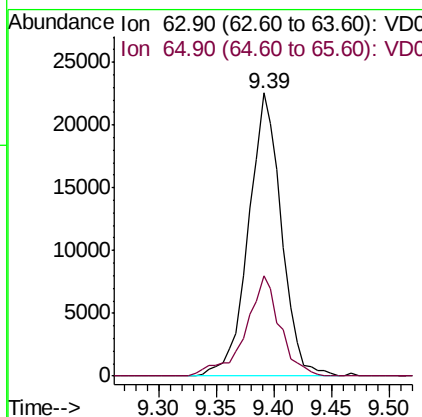
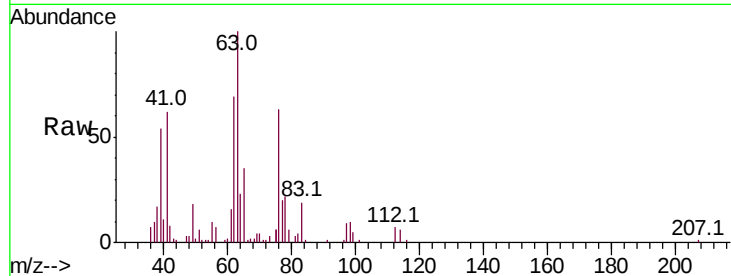




#45
 1,2-Dichloropropane
 Concen: 21.371 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

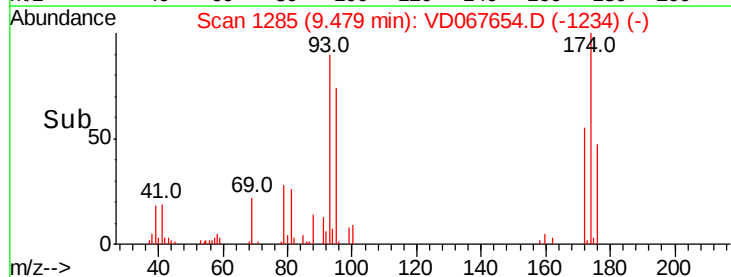
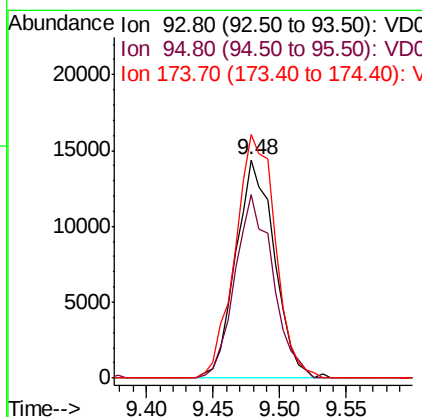
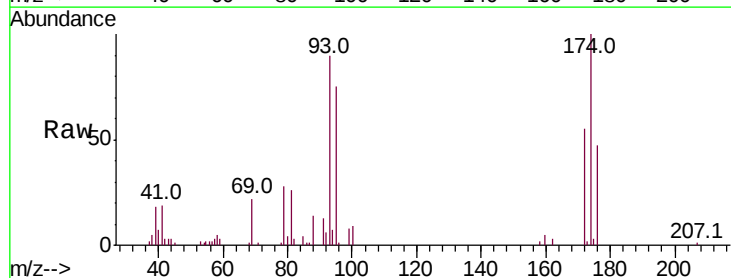
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

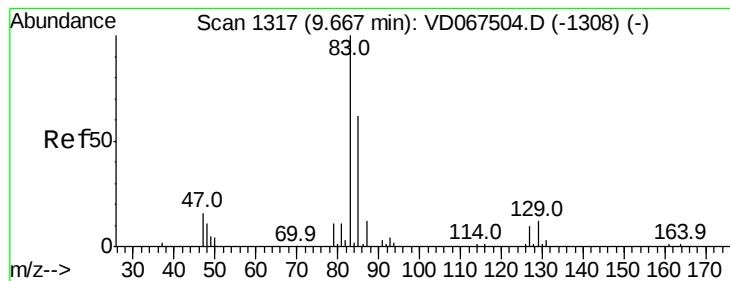
Tot Ion: 63 Resp: 44717
 Ion Ratio Lower Upper
 63 100
 65 35.5 26.9 40.3



#46
 Dibromomethane
 Concen: 21.582 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion: 93 Resp: 28713
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.4 99.6
 174 116.3 88.2 132.4





#47

Bromodichloromethane

Concen: 22.159 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

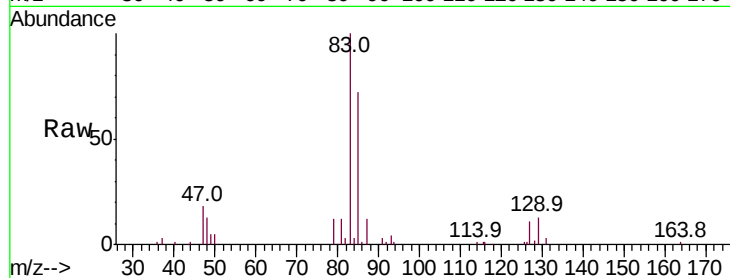
Tot Ion: 83 Resp: 80130

Ion Ratio Lower Upper

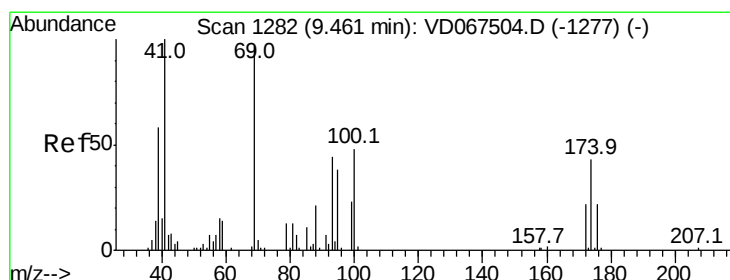
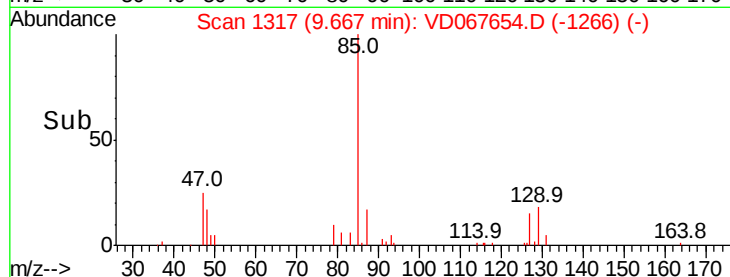
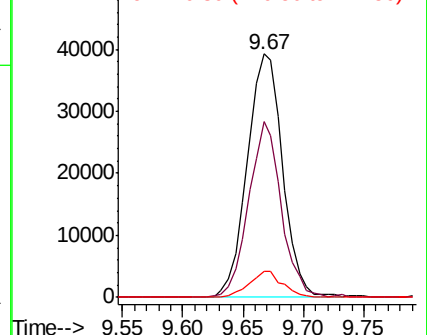
83 100

85 72.4 49.4 74.2

127 10.6 7.7 11.5



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



#48

Methyl methacrylate

Concen: 19.075 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

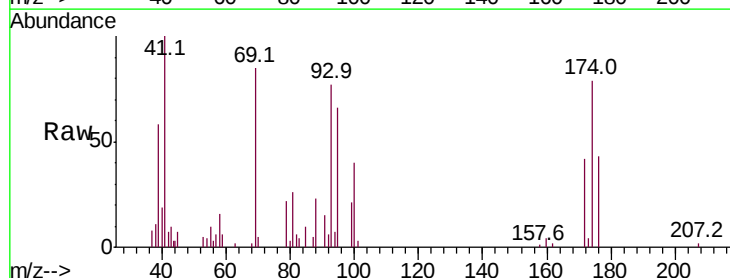
Tgt Ion: 41 Resp: 18067

Ion Ratio Lower Upper

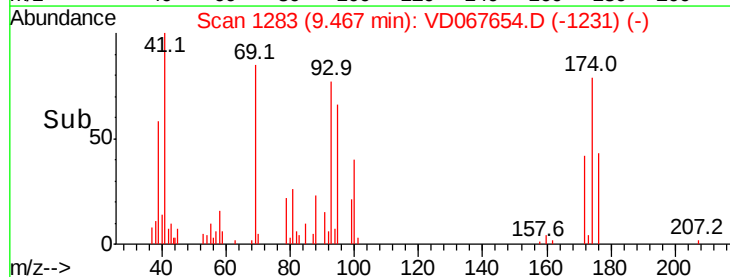
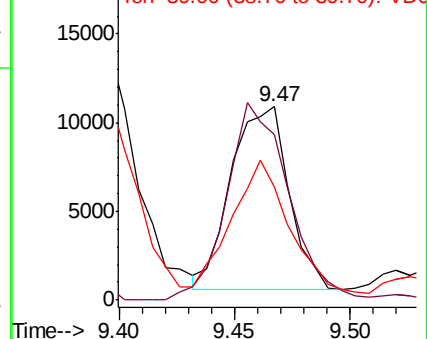
41 100

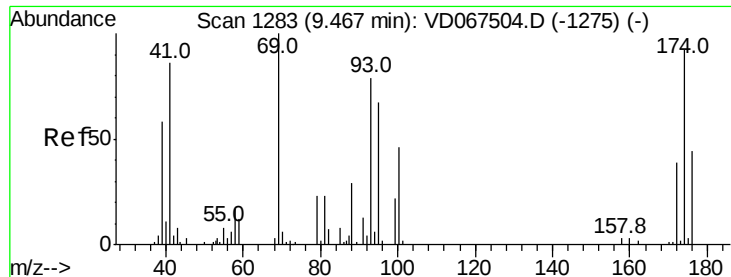
69 114.9 80.6 121.0

39 83.0 50.2 75.4#



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





#49

1,4-Dioxane

Concen: 417.075 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

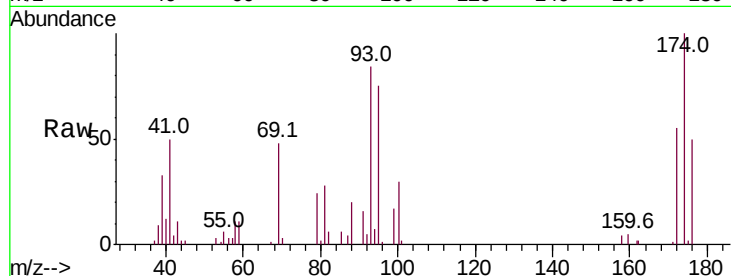
Tot Ion: 88 Resp: 5633

Ion Ratio Lower Upper

88 100

43 36.0 23.6 35.4#

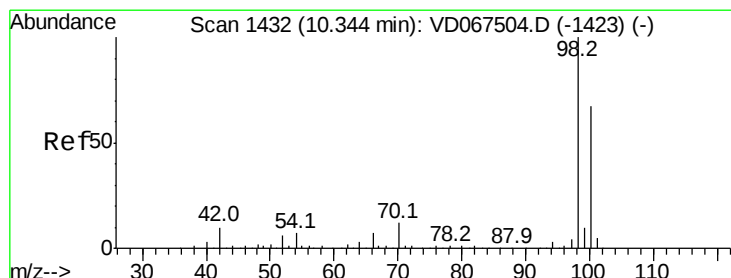
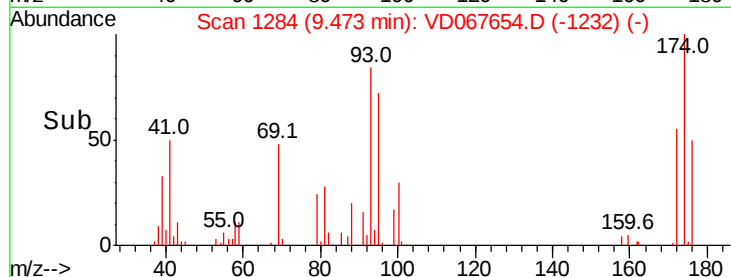
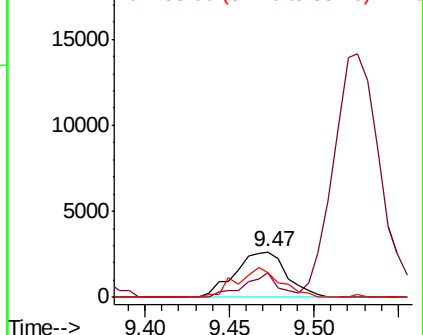
58 55.2 44.7 67.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.268 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067654.D

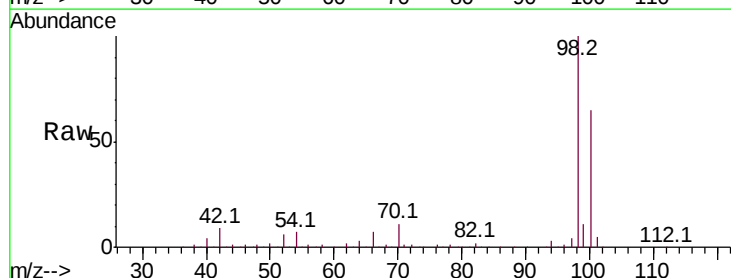
Acq: 17 Nov 2020 11:27

Tgt Ion: 98 Resp: 426569

Ion Ratio Lower Upper

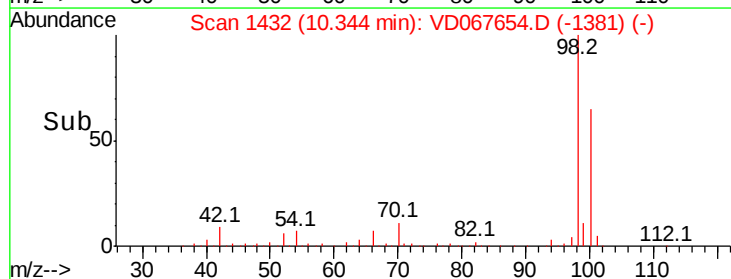
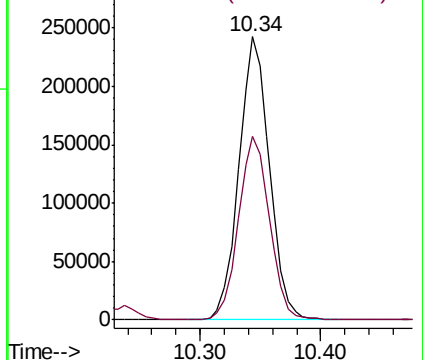
98 100

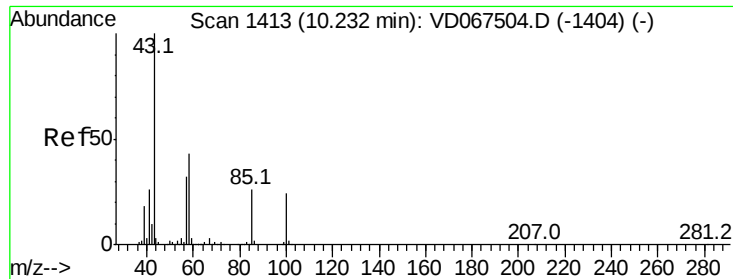
100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 110.893 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

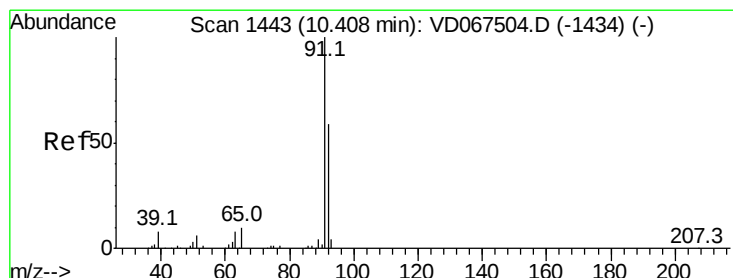
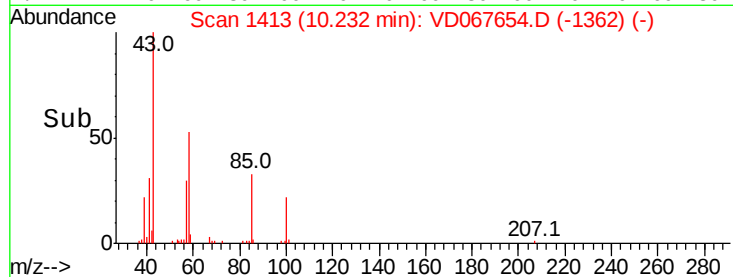
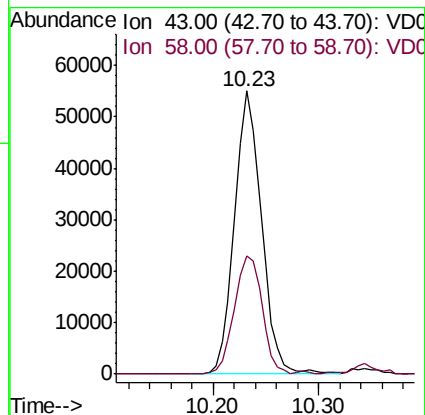
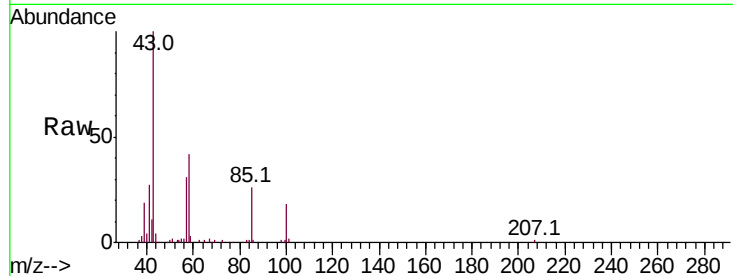
VD1117SBS01

Tot Ion: 43 Resp: 97289

Ion Ratio Lower Upper

43 100

58 43.2 35.6 53.4



#52

Toluene

Concen: 22.534 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067654.D

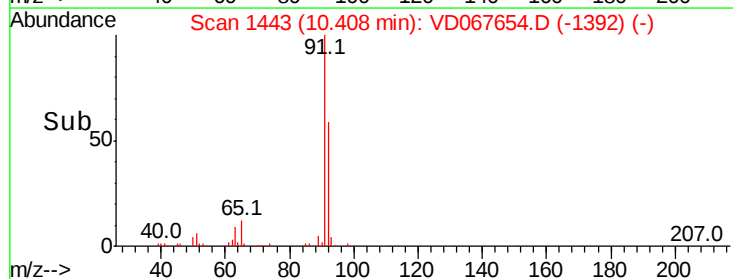
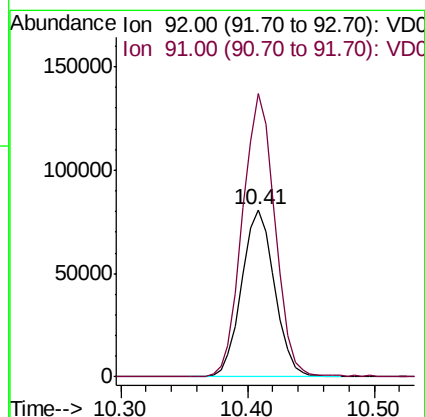
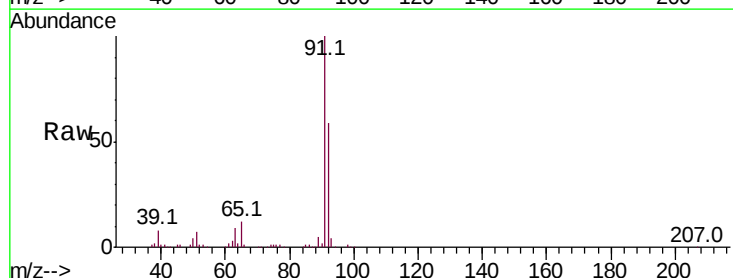
Acq: 17 Nov 2020 11:27

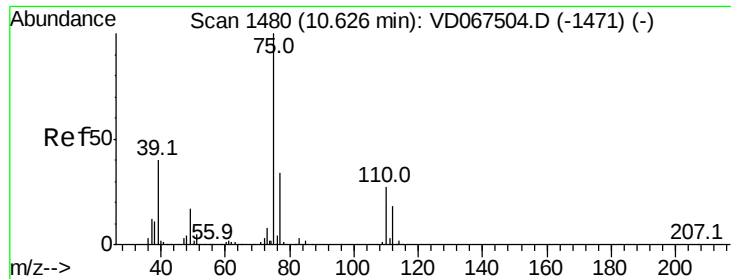
Tgt Ion: 92 Resp: 146068

Ion Ratio Lower Upper

92 100

91 167.5 137.0 205.6

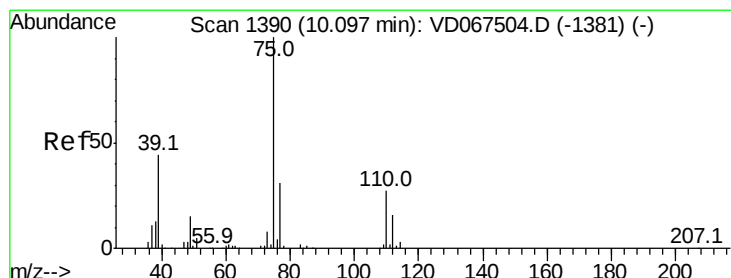
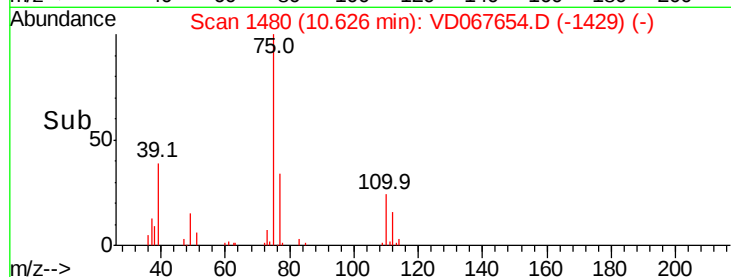
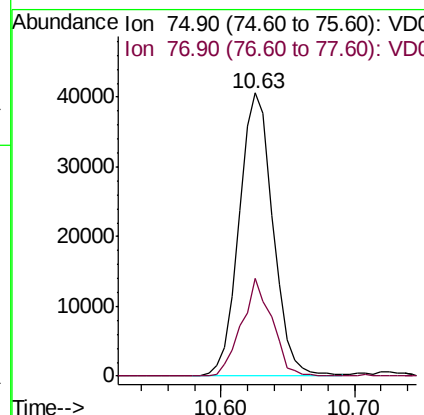
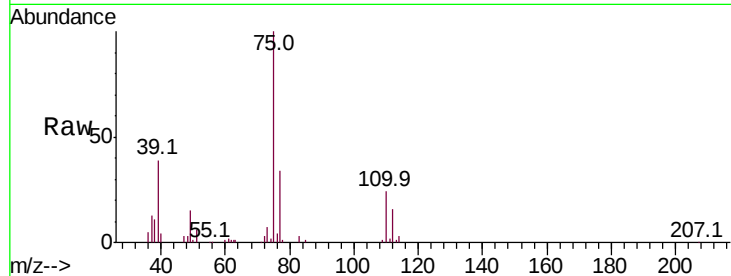




#53
 t-1,3-Dichloropropene
 Concen: 23.059 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

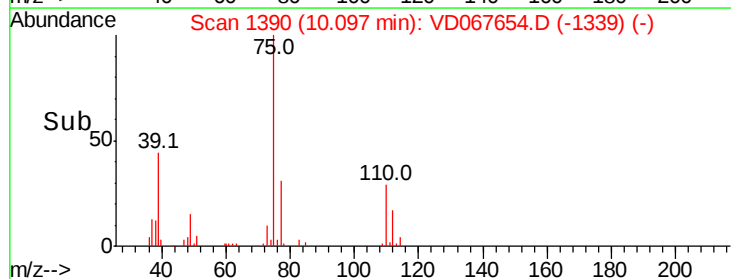
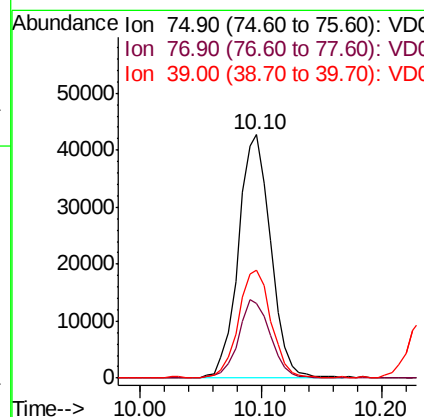
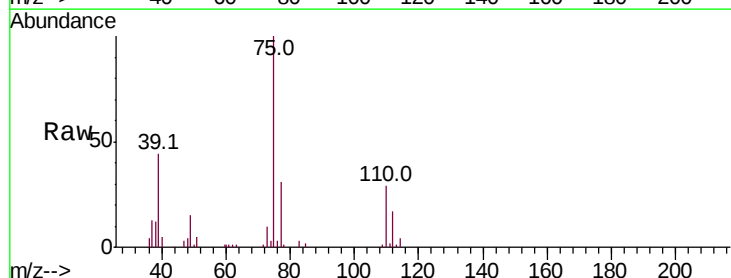
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBSD01

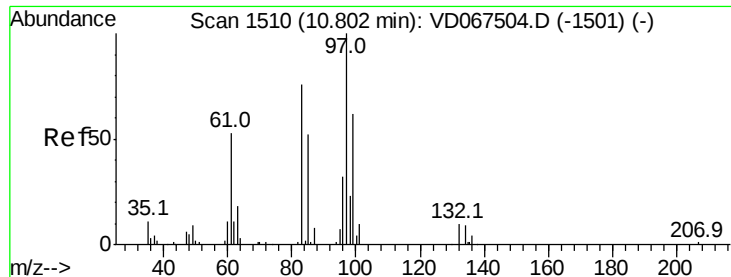
Tot Ion: 75 Resp: 71413
 Ion Ratio Lower Upper
 75 100
 77 34.4 27.0 40.6



#54
 cis-1,3-Dichloropropene
 Concen: 21.707 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion: 75 Resp: 79872
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.4 36.6
 39 44.3 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 22.104 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 97 Resp: 38910

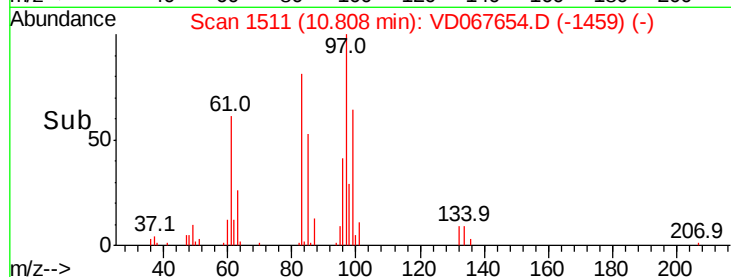
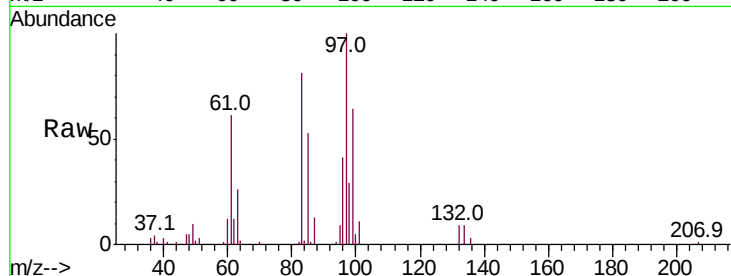
Ion	Ratio	Lower	Upper
97	100		
83	80.8	61.0	91.6
85	53.2	41.5	62.3
99	64.1	49.4	74.2

97 100

83 80.8 61.0 91.6

85 53.2 41.5 62.3

99 64.1 49.4 74.2

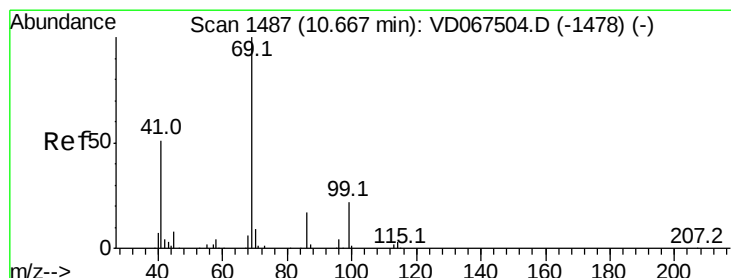
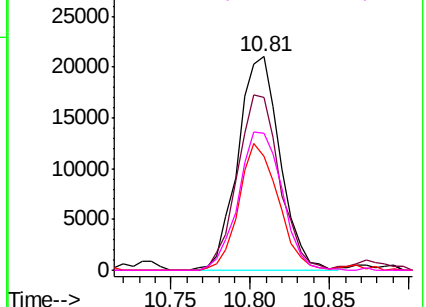


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.547 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

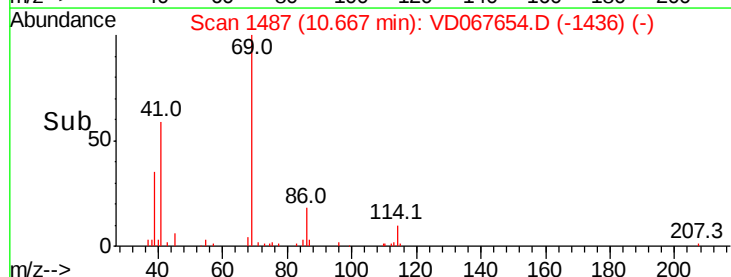
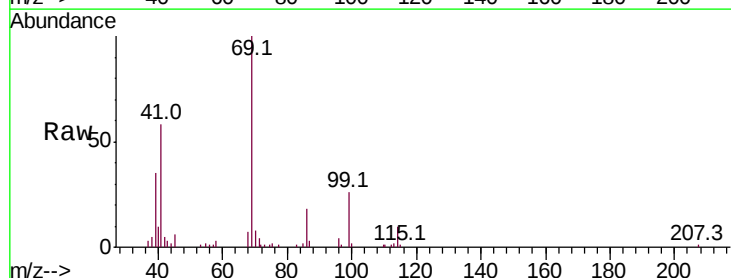
Tgt Ion: 69 Resp: 39168

Ion	Ratio	Lower	Upper
69	100		
41	56.6	45.4	68.0
39	33.8	27.4	41.0

69 100

41 56.6 45.4 68.0

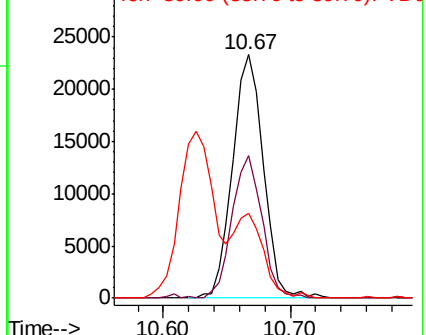
39 33.8 27.4 41.0

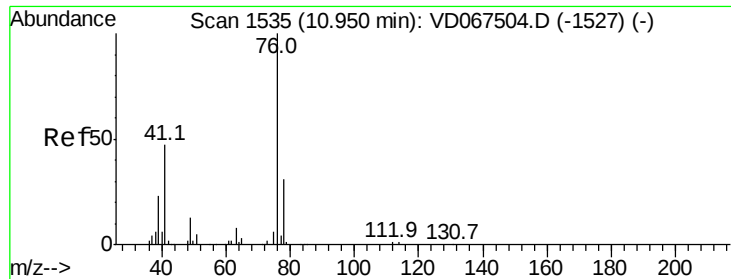


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.039 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

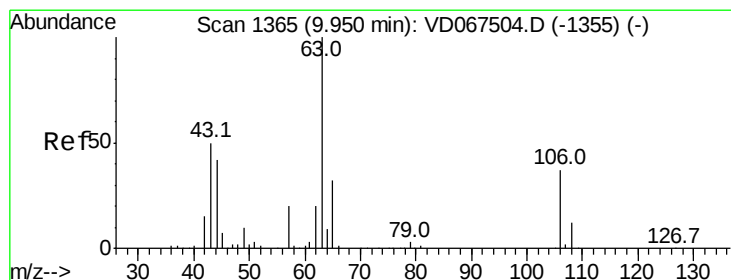
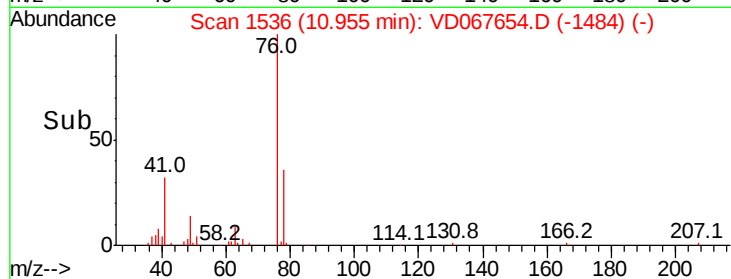
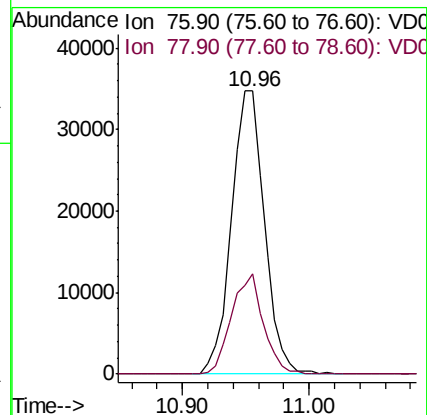
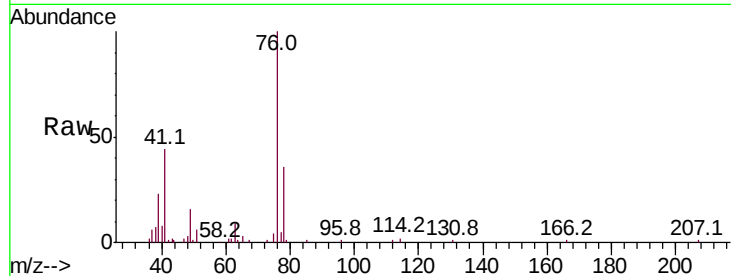
VD1117SBS01

Tot Ion: 76 Resp: 62429

Ion Ratio Lower Upper

76 100

78 34.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 104.374 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067654.D

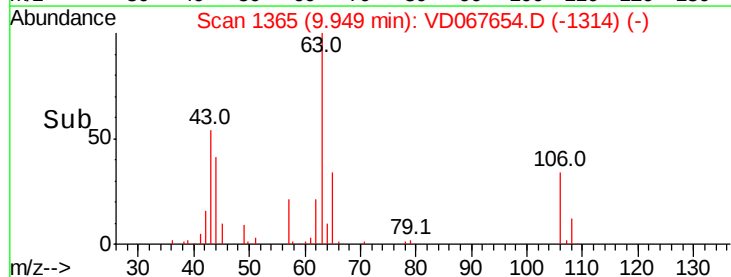
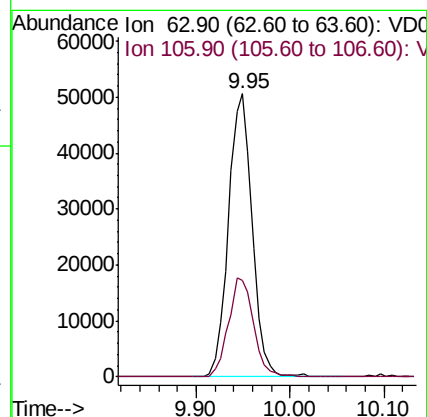
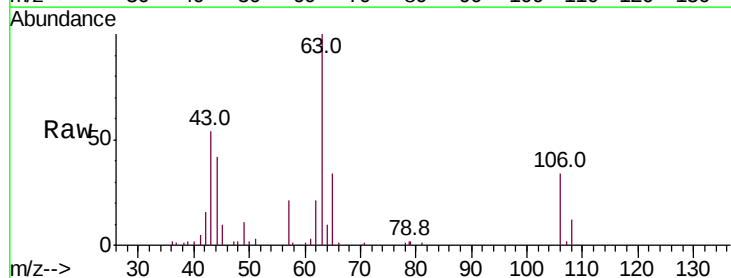
Acq: 17 Nov 2020 11:27

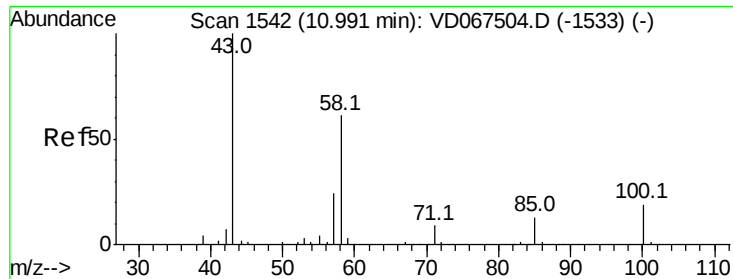
Tgt Ion: 63 Resp: 88477

Ion Ratio Lower Upper

63 100

106 37.1 29.2 43.8

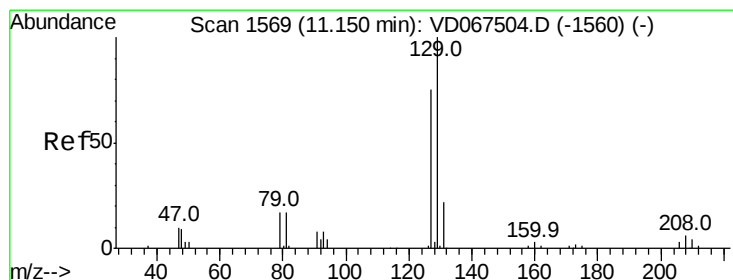
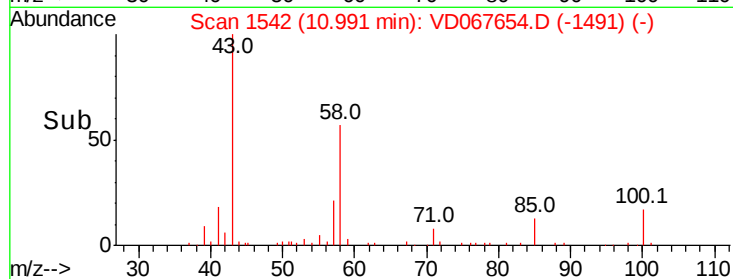
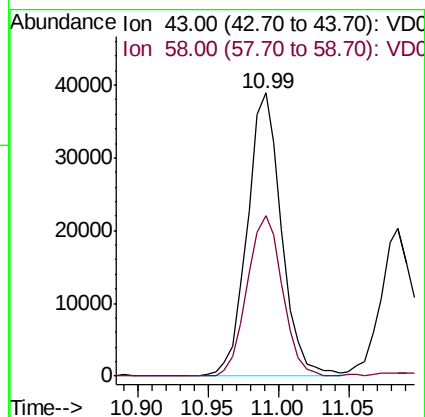
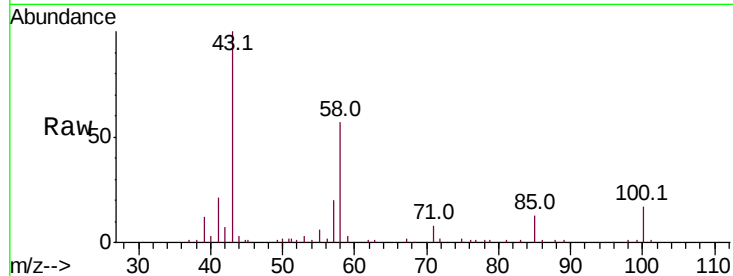




#59
2-Hexanone
Concen: 107.785 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

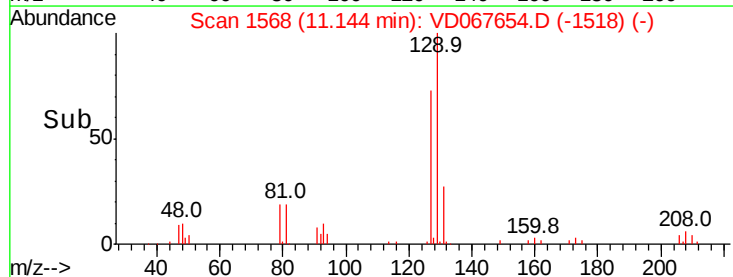
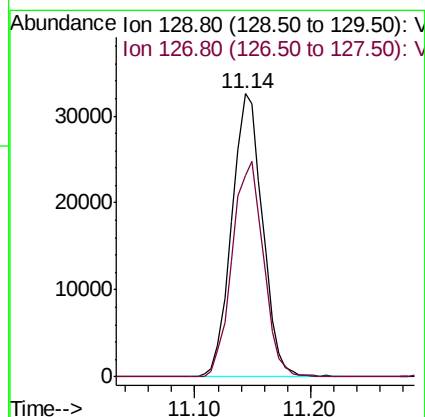
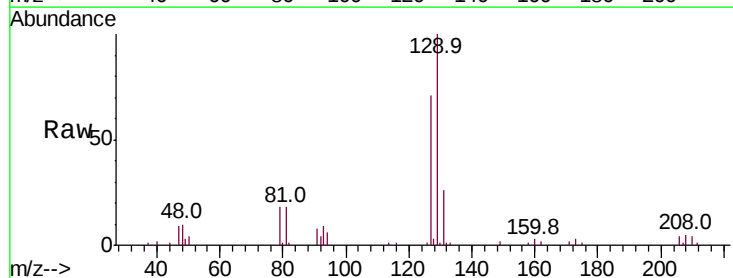
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

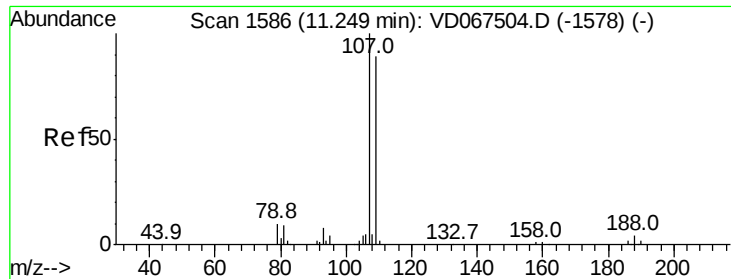
Tot Ion: 43 Resp: 66118
Ion Ratio Lower Upper
43 100
58 58.4 30.3 90.9



#60
Dibromochloromethane
Concen: 23.103 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 129 Resp: 60160
Ion Ratio Lower Upper
129 100
127 77.4 38.0 114.1

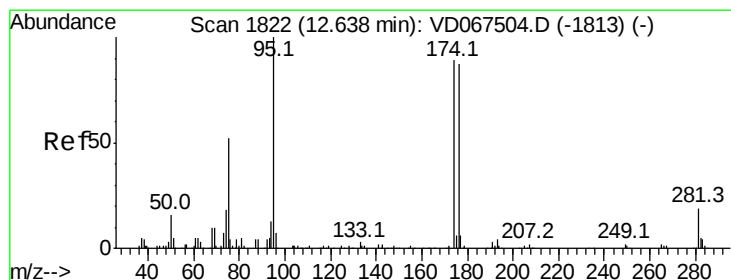
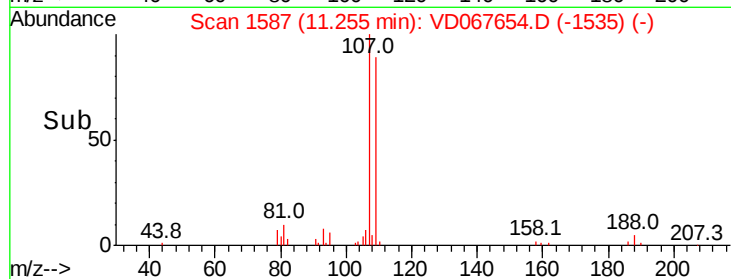
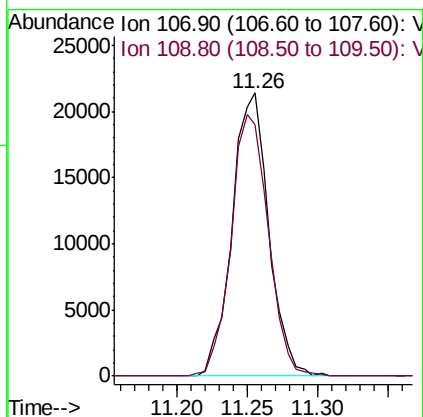
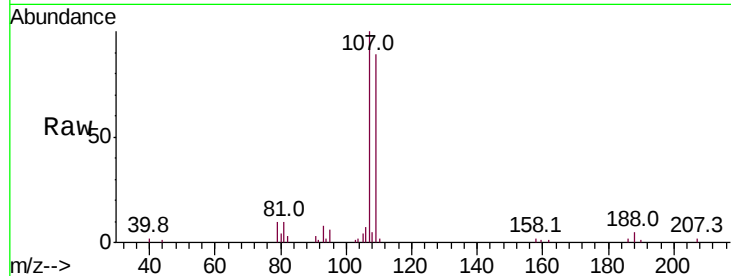




#61
 1,2-Dibromoethane
 Concen: 21.901 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

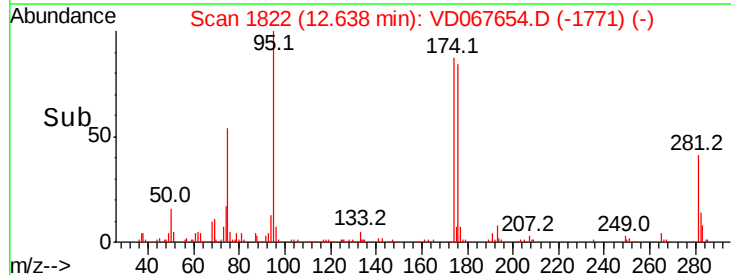
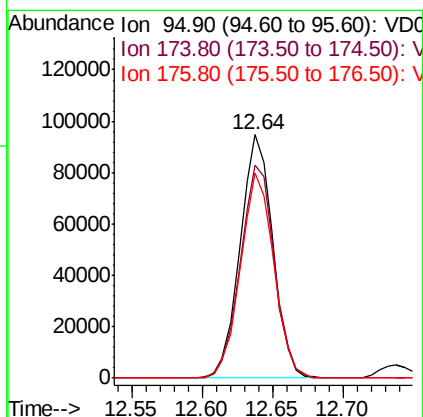
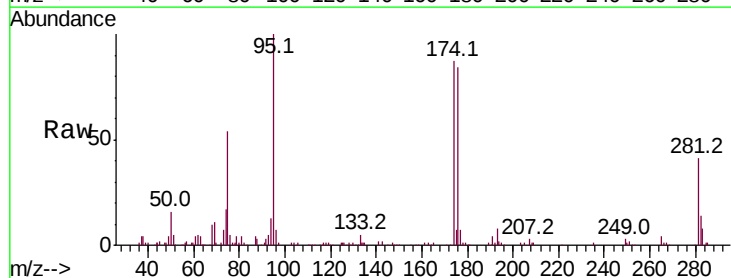
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBSD01

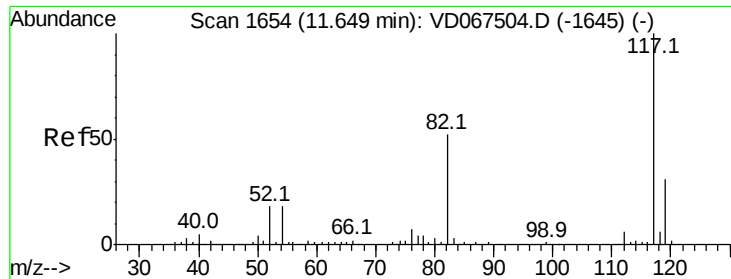
Tot Ion:107 Resp: 38693
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 50.265 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion: 95 Resp: 153363
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 177.8
 176 86.0 0.0 172.0

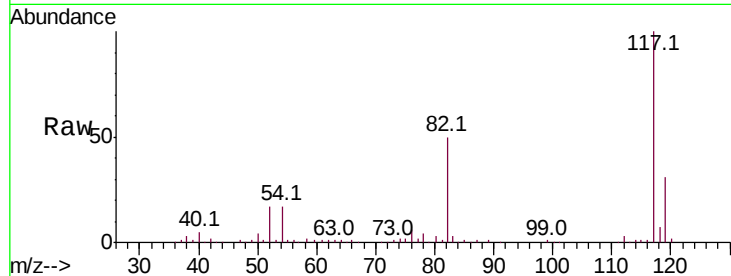




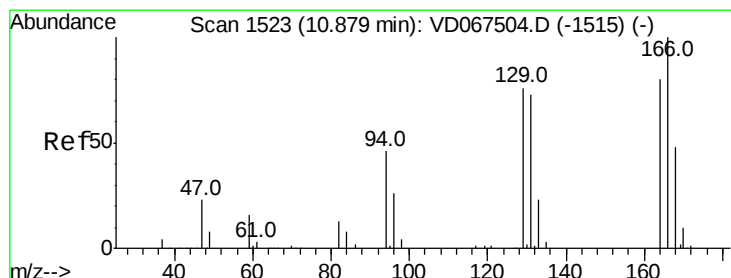
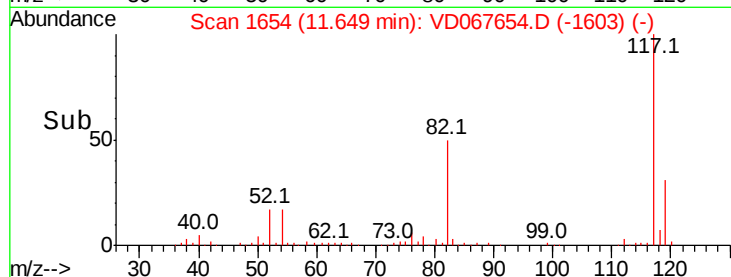
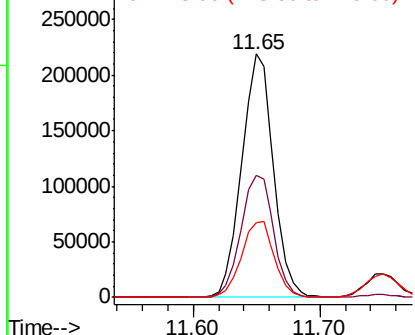
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

Tot Ion:117 Resp: 380520
Ion Ratio Lower Upper
117 100
82 50.3 41.6 62.4
119 30.7 25.1 37.7

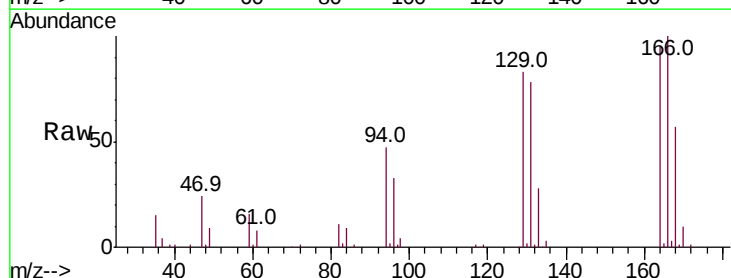


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

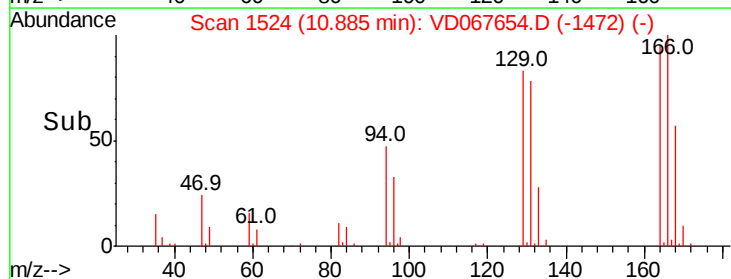
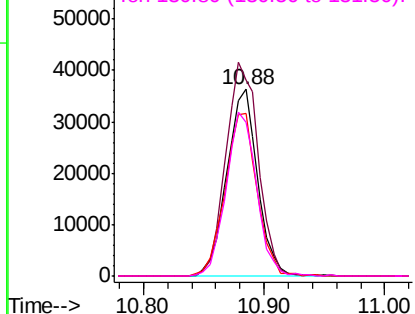


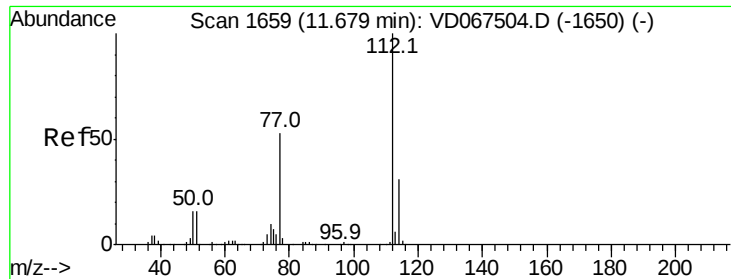
#64
Tetrachloroethene
Concen: 22.782 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion:164 Resp: 64203
Ion Ratio Lower Upper
164 100
166 105.3 99.9 149.9
129 87.6 75.5 113.3
131 82.2 73.4 110.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

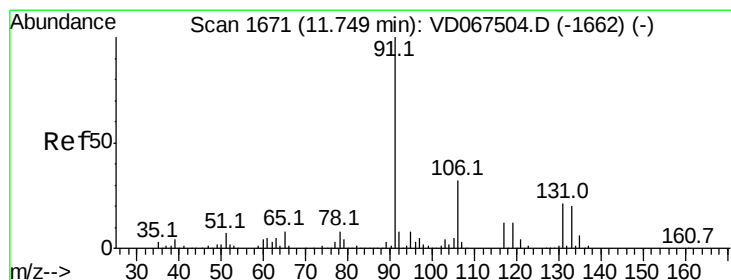
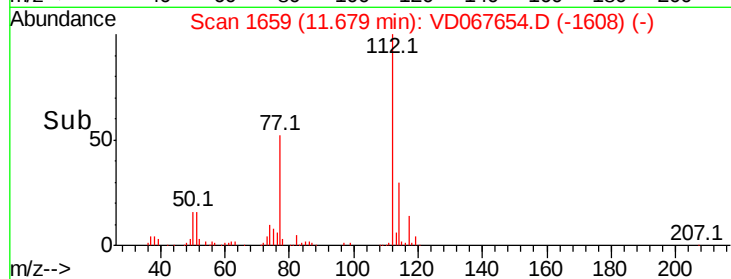
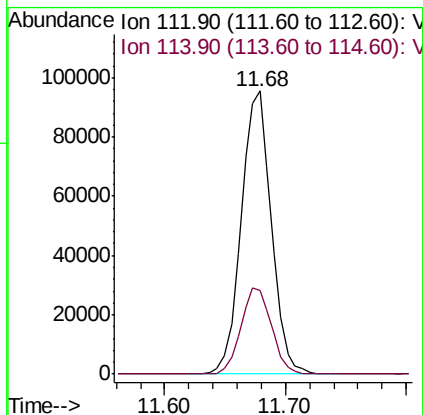
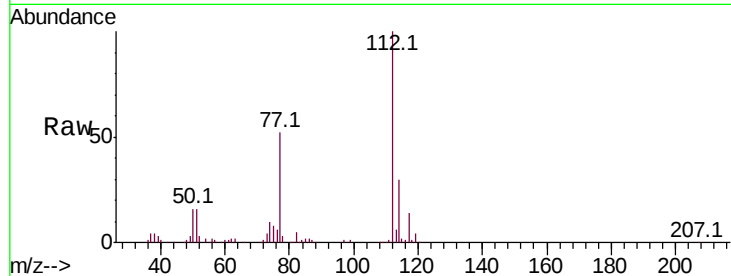




#65
Chlorobenzene
Concen: 22.584 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

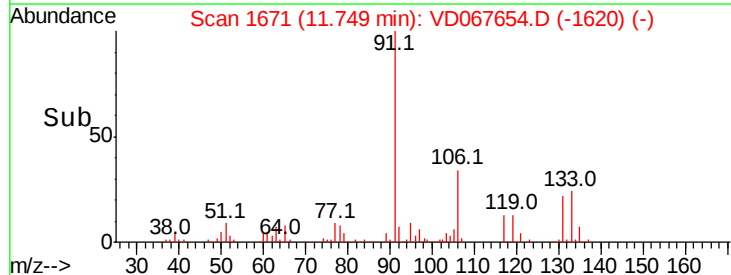
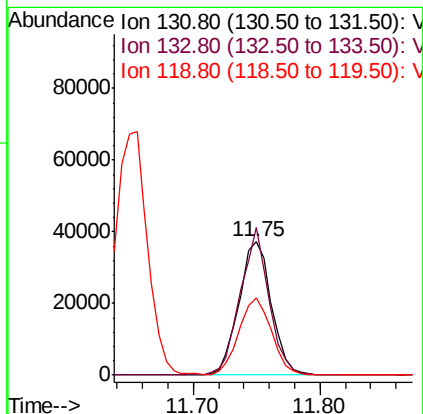
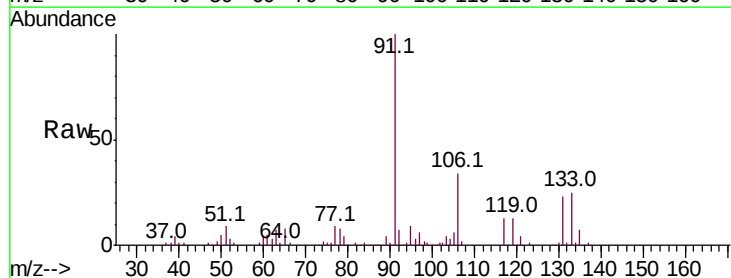
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

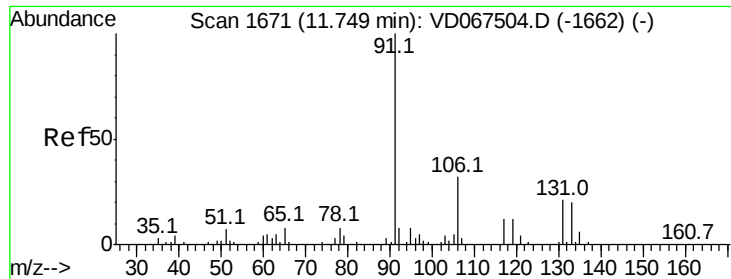
Tot Ion:112 Resp: 165539
Ion Ratio Lower Upper
112 100
114 29.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.924 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion:131 Resp: 66226
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 58.1 30.1 90.5

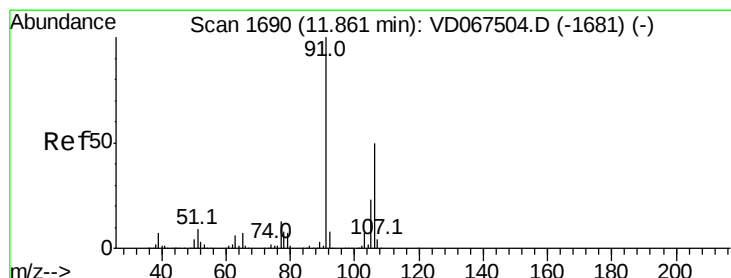
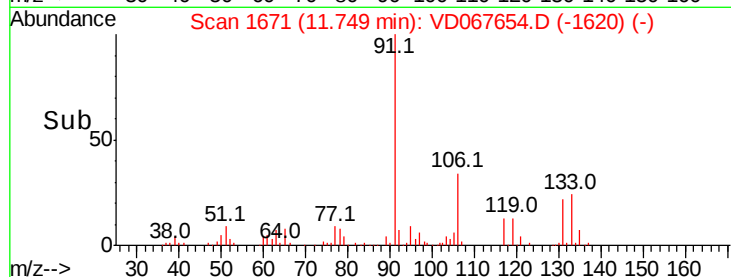
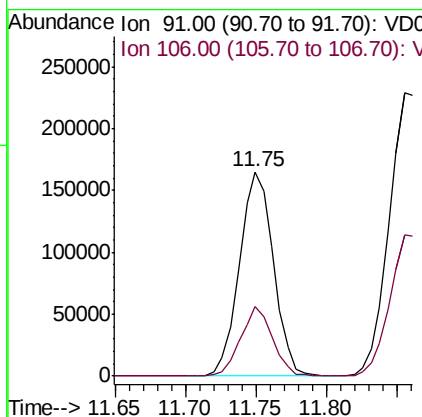
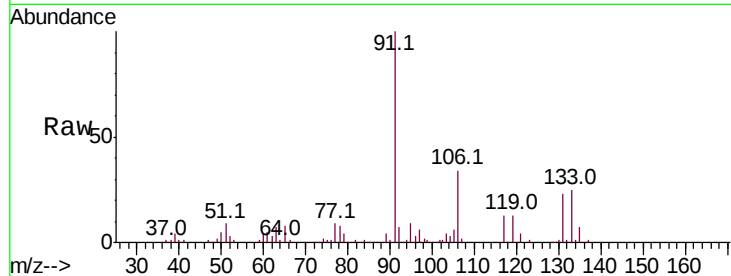




#67
Ethyl Benzene
Concen: 22.251 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

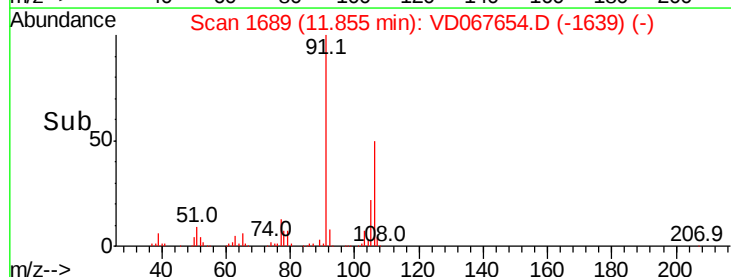
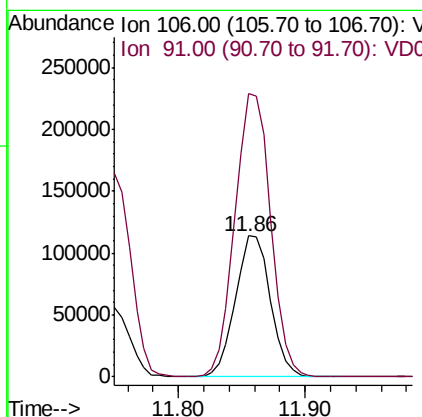
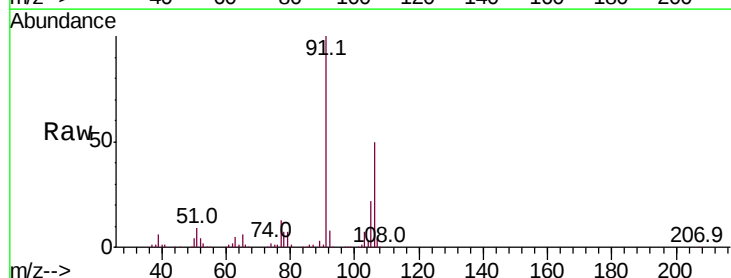
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

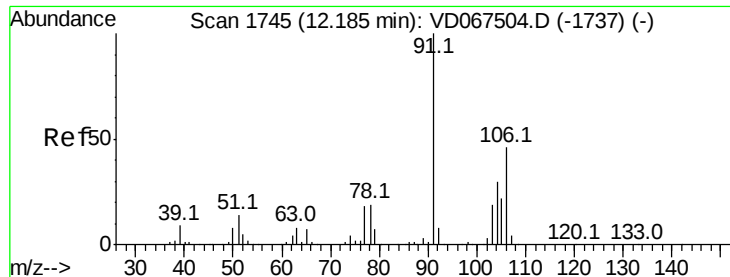
Tot Ion: 91 Resp: 279091
Ion Ratio Lower Upper
91 100
106 33.8 25.7 38.5



#68
m/p-Xylenes
Concen: 44.734 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion: 106 Resp: 218291
Ion Ratio Lower Upper
106 100
91 205.6 162.6 244.0

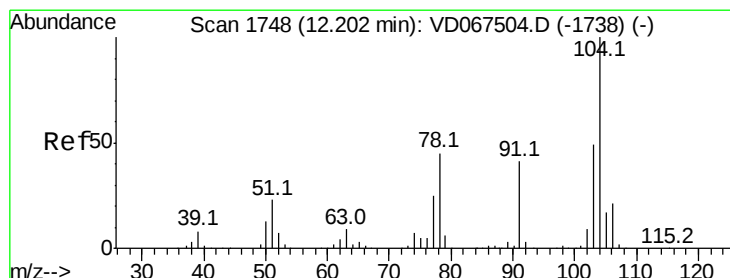
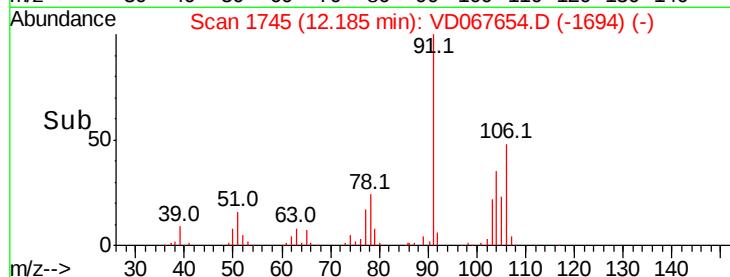
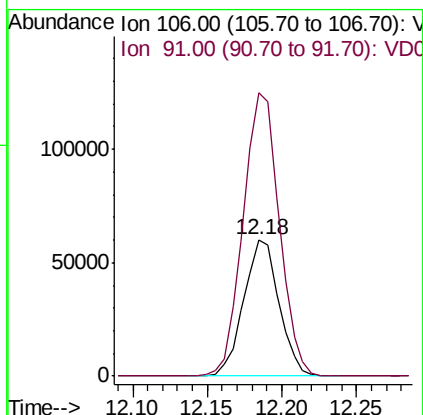
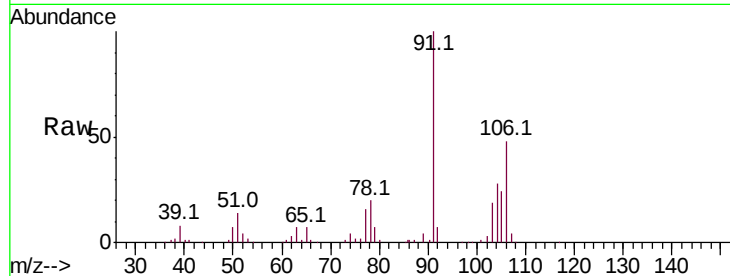




#69
o-Xylene
Concen: 22.579 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

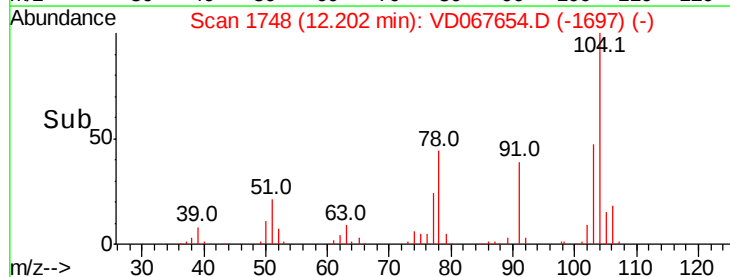
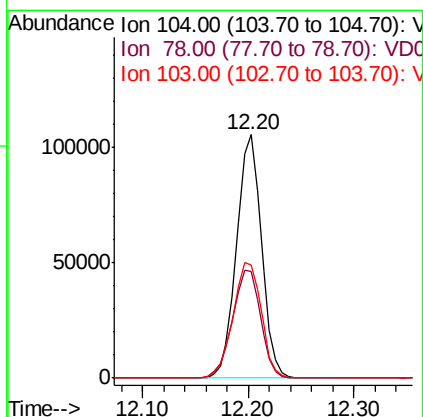
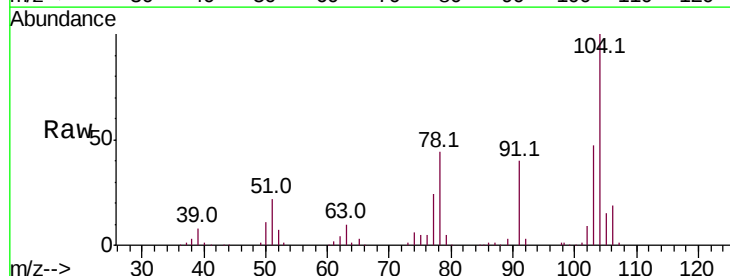
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

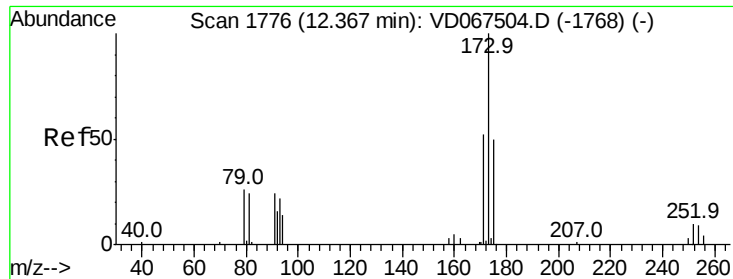
Tot Ion:106 Resp: 98371
Ion Ratio Lower Upper
106 100
91 213.2 107.1 321.1



#70
Styrene
Concen: 22.652 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion:104 Resp: 171967
Ion Ratio Lower Upper
104 100
78 50.2 39.8 59.8
103 53.9 43.9 65.9





#71

Bromoform

Concen: 22.150 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

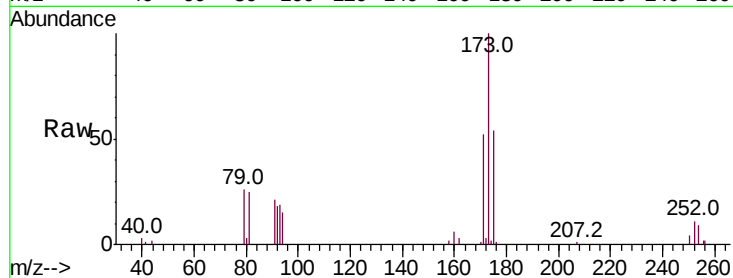
Tot Ion:173 Resp: 32635

Ion Ratio Lower Upper

173 100

175 53.9 24.1 72.2

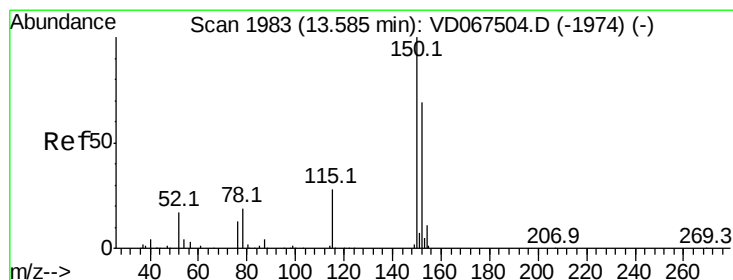
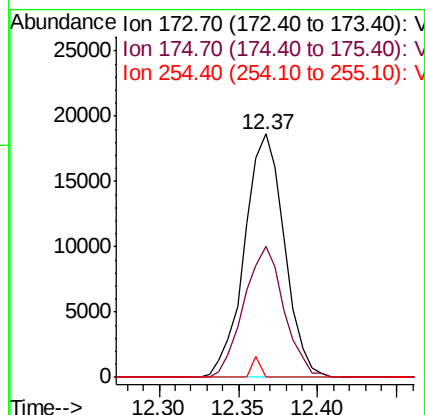
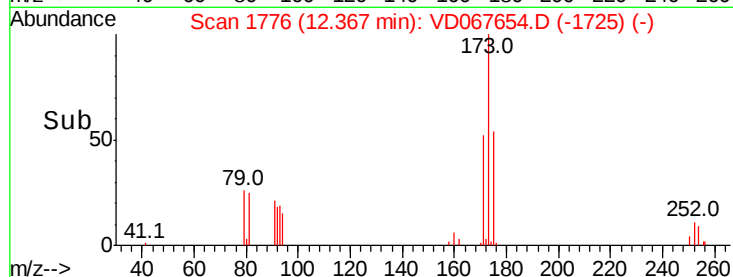
254 1.7 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

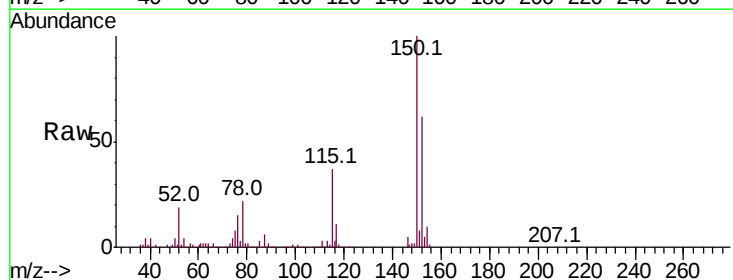
Tgt Ion:152 Resp: 193462

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

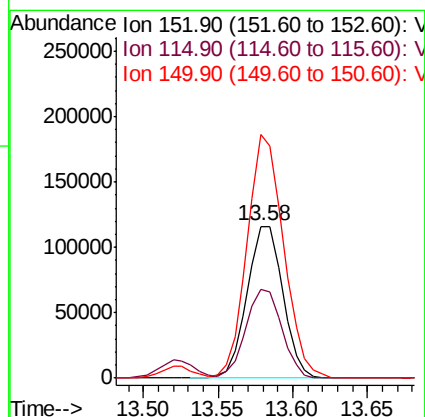
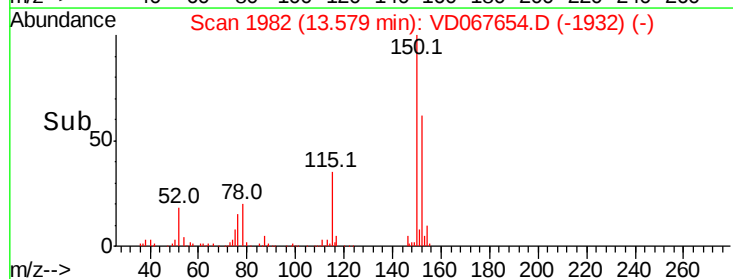
150 162.7 0.0 338.2

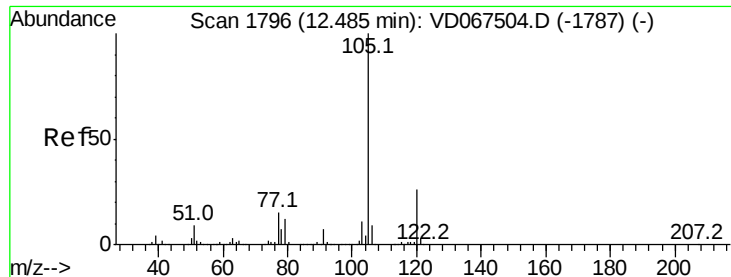


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.183 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

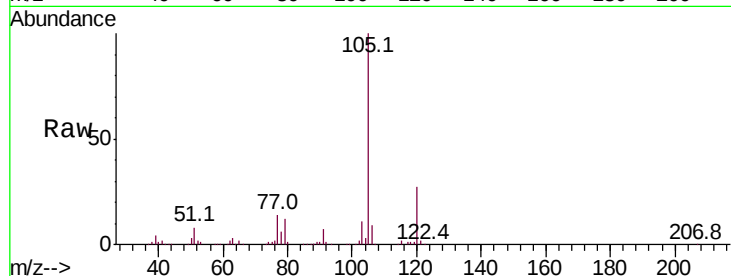
VD1117SBS01

Tot Ion:105 Resp: 277353

Ion Ratio Lower Upper

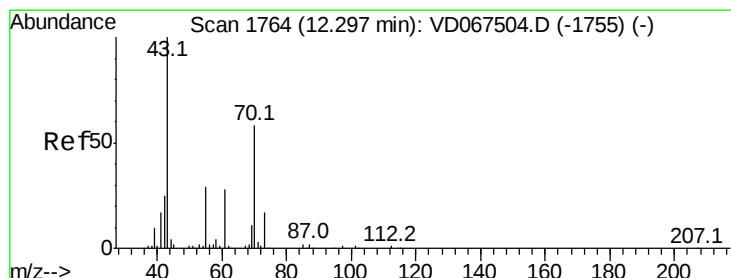
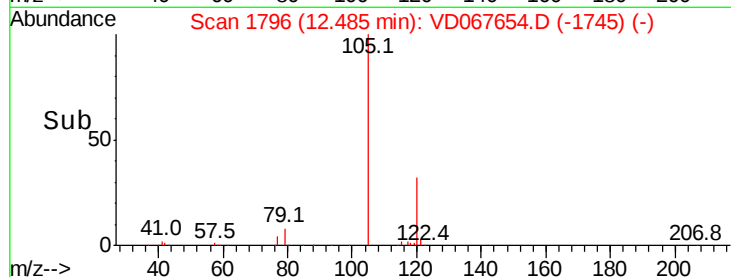
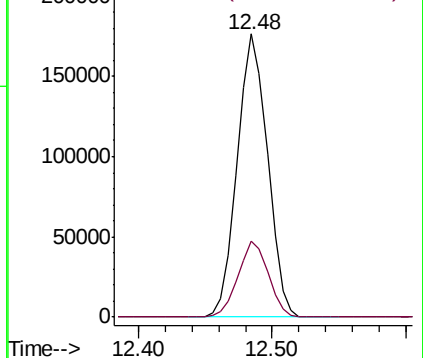
105 100

120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.493 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Tgt Ion: 43 Resp: 33716

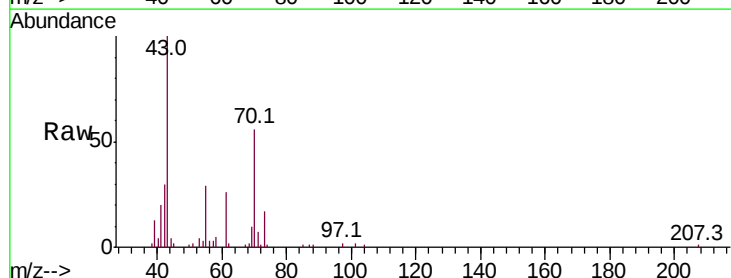
Ion Ratio Lower Upper

43 100

70 58.1 42.6 64.0

55 33.4 23.7 35.5

61 27.0 21.9 32.9

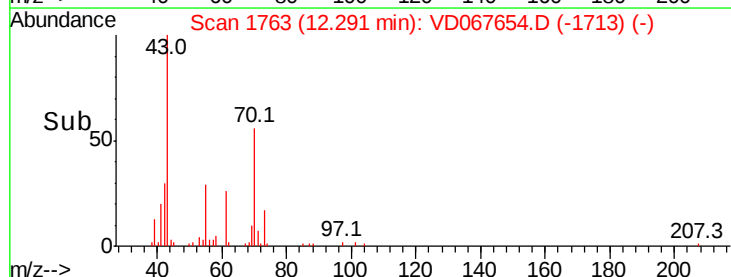
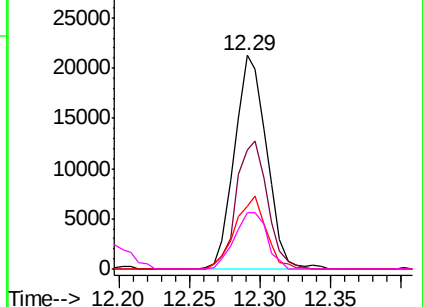


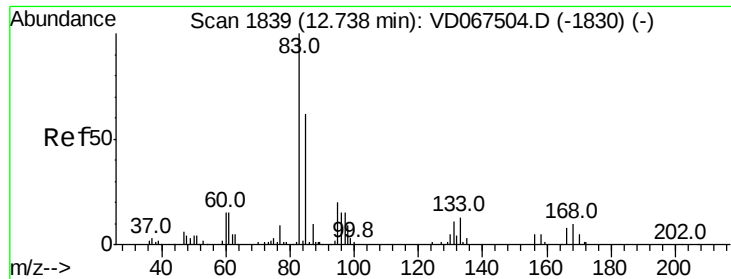
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.232 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

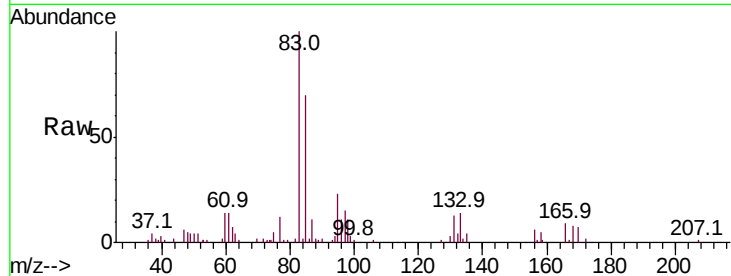
Tot Ion: 83 Resp: 36199

Ion Ratio Lower Upper

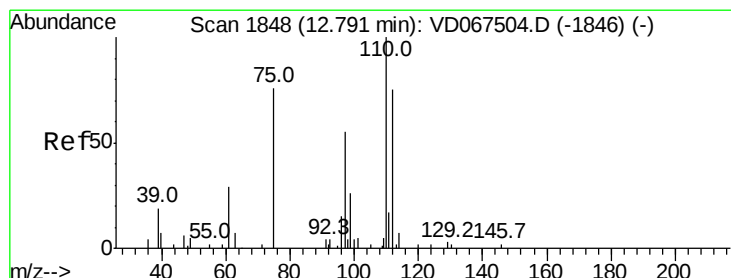
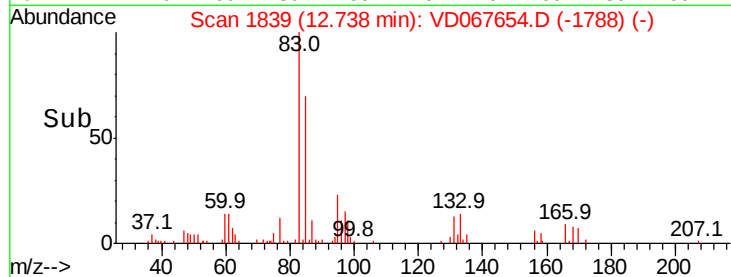
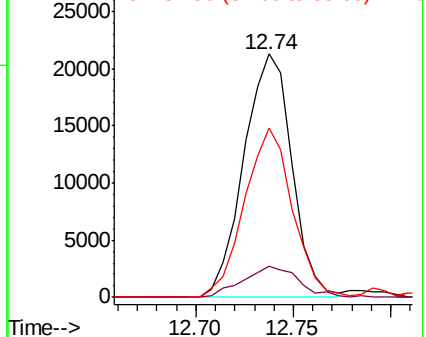
83 100

131 15.0 7.1 21.3

85 69.6 32.9 98.7



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



#76

1,2,3-Trichloropropane

Concen: 44.408 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067654.D

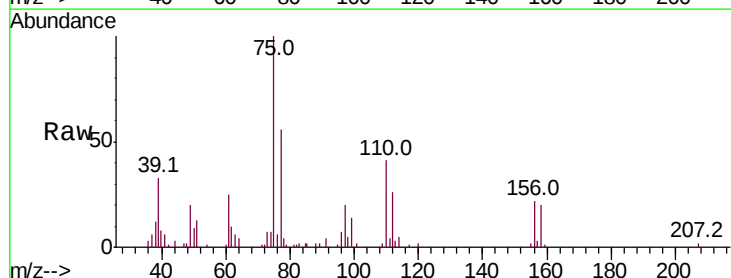
Acq: 17 Nov 2020 11:27

Tgt Ion: 75 Resp: 51827

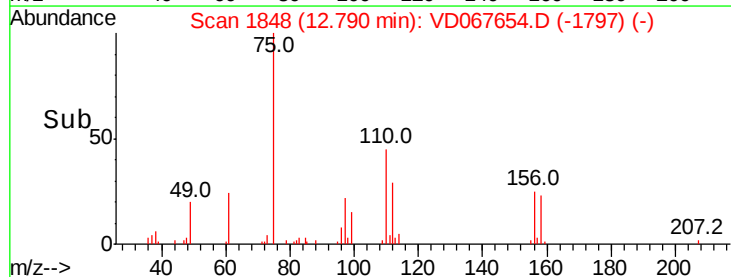
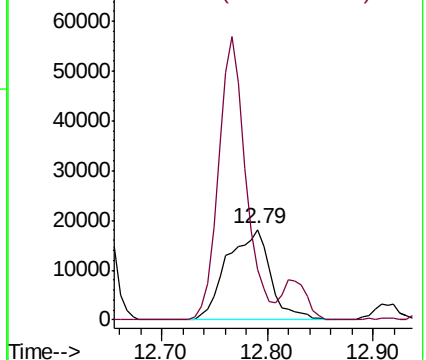
Ion Ratio Lower Upper

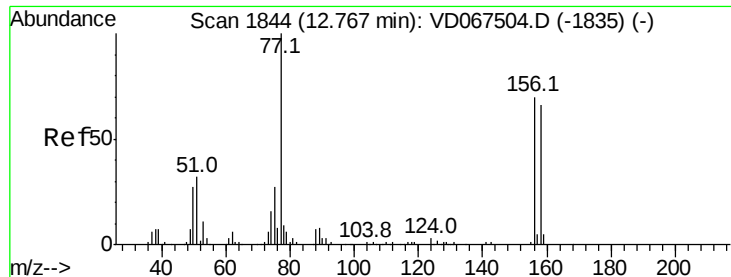
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.016 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBSD01

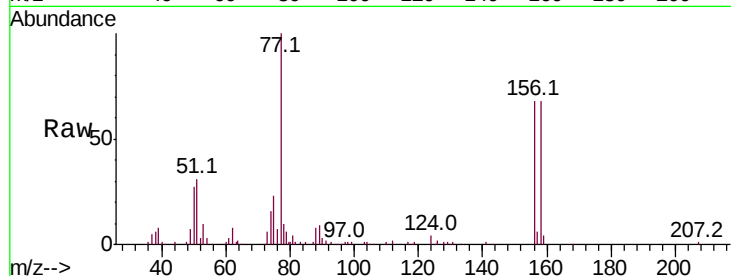
Tot Ion:156 Resp: 67602

Ion Ratio Lower Upper

156 100

77 152.2 77.8 233.5

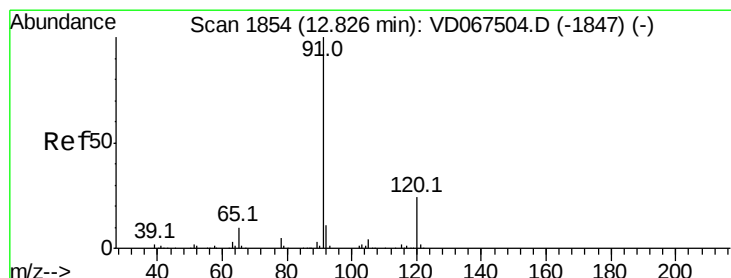
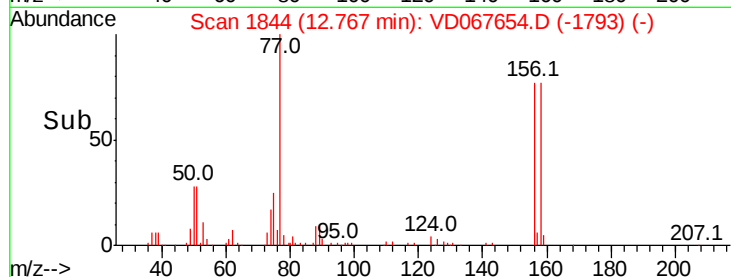
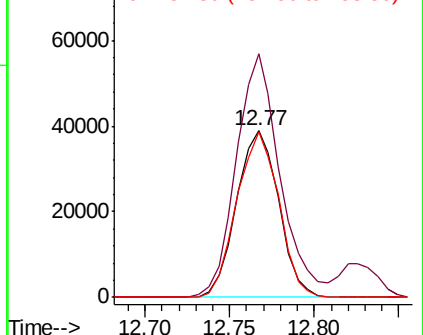
158 98.8 47.9 143.7



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: 22.131 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067654.D

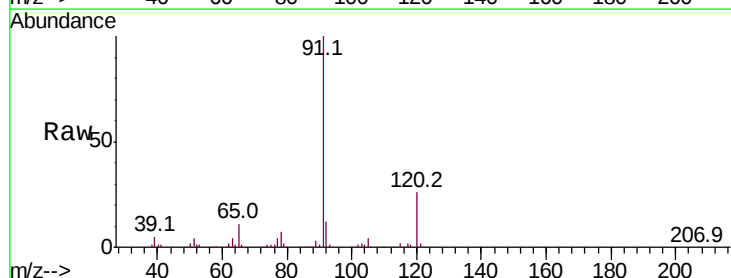
Acq: 17 Nov 2020 11:27

Tgt Ion: 91 Resp: 316499

Ion Ratio Lower Upper

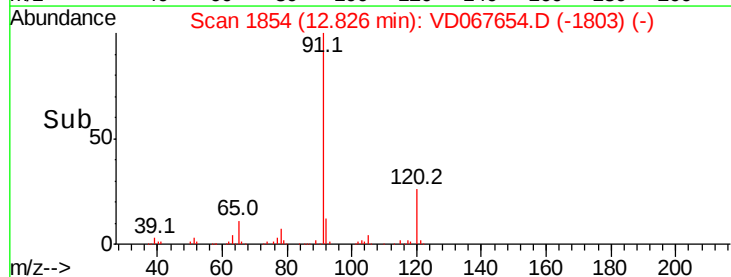
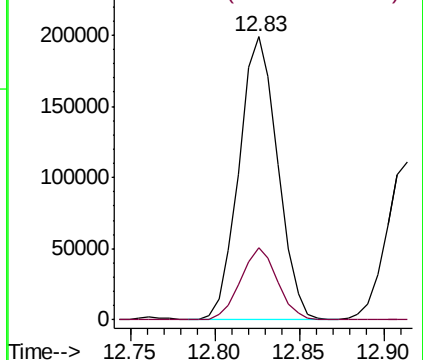
91 100

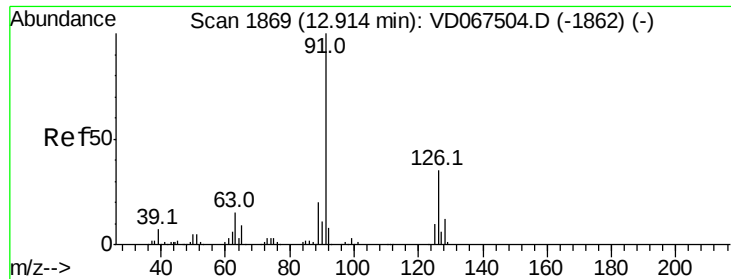
120 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

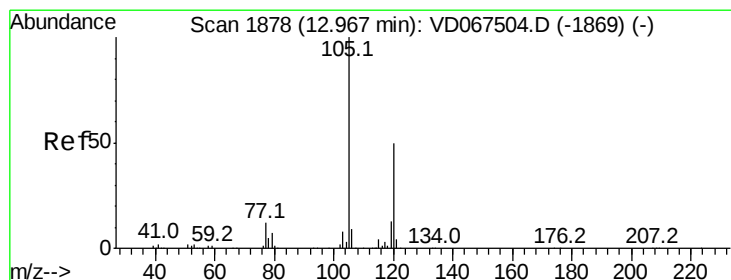
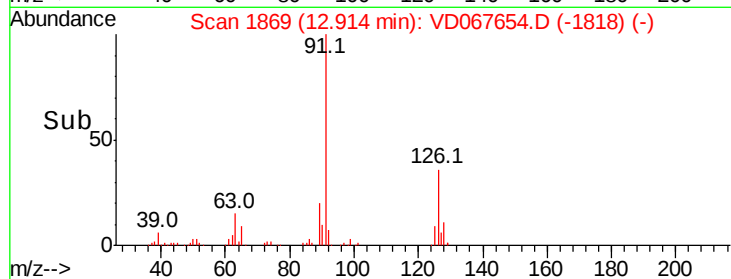
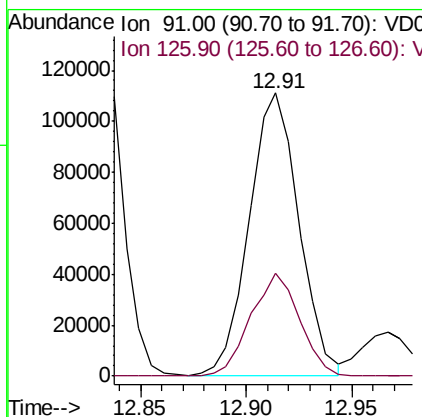
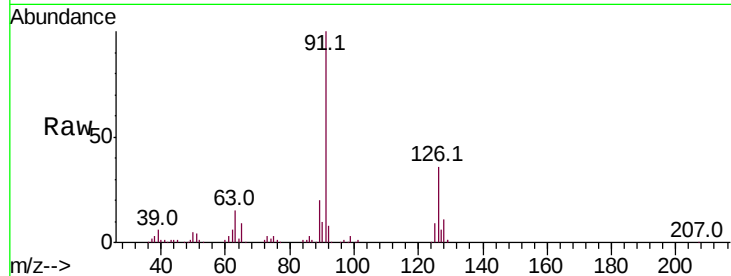




#79
 2-Chlorotoluene
 Concen: 22.320 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

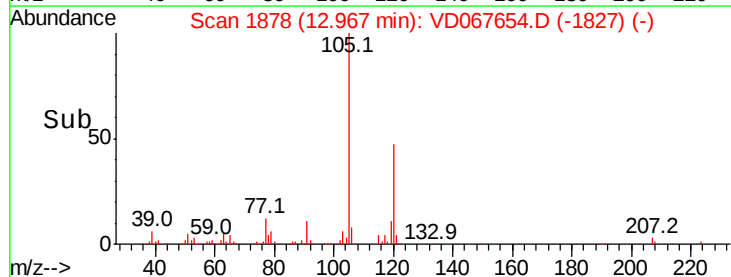
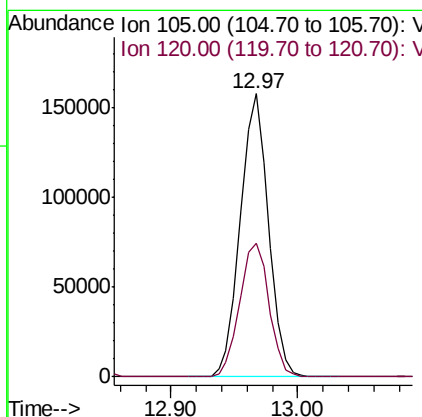
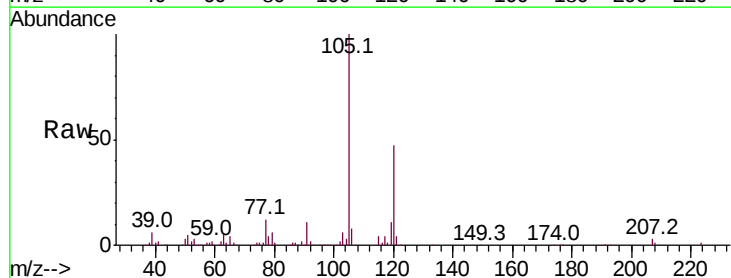
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

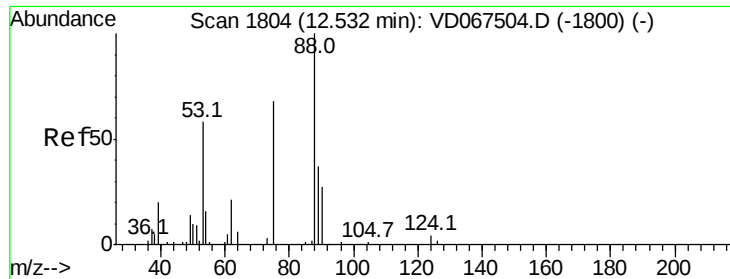
Tot Ion: 91 Resp: 181325
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.672 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion:105 Resp: 242150
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.580 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

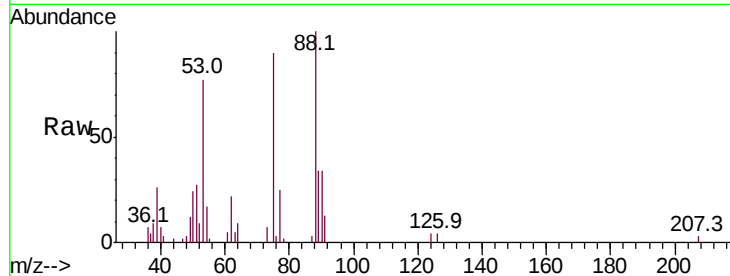
Tot Ion: 75 Resp: 12405

Ion Ratio Lower Upper

75 100

53 98.8 75.9 113.9

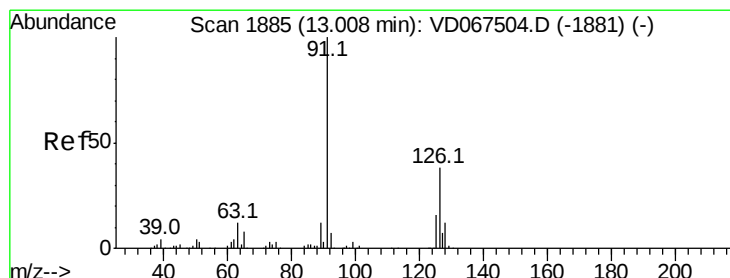
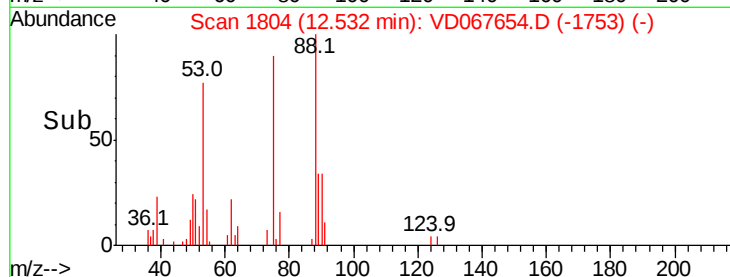
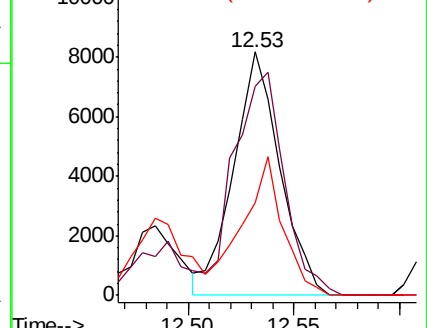
89 50.5 44.6 67.0



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: 22.424 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067654.D

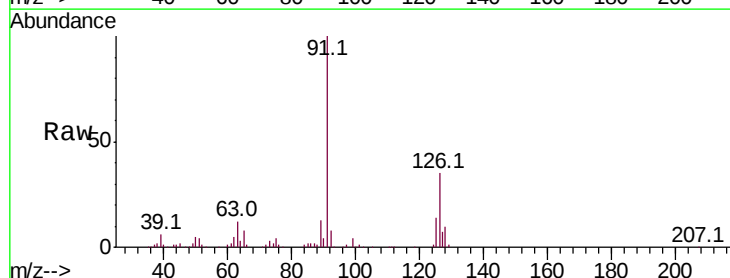
Acq: 17 Nov 2020 11:27

Tgt Ion: 91 Resp: 195374

Ion Ratio Lower Upper

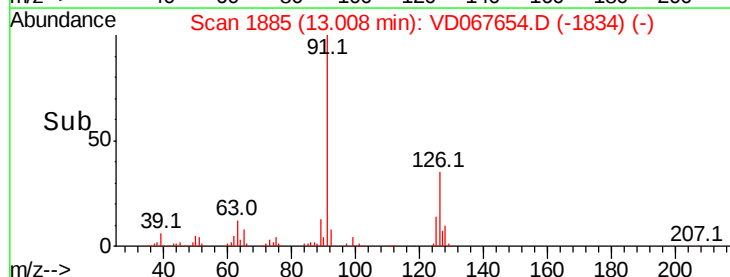
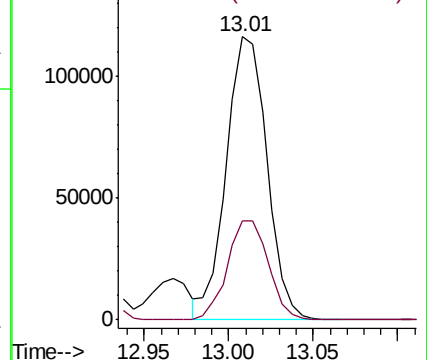
91 100

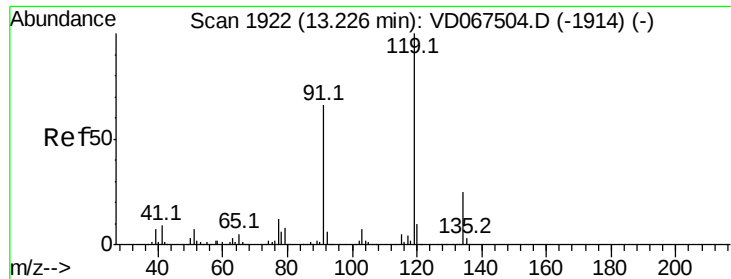
126 35.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

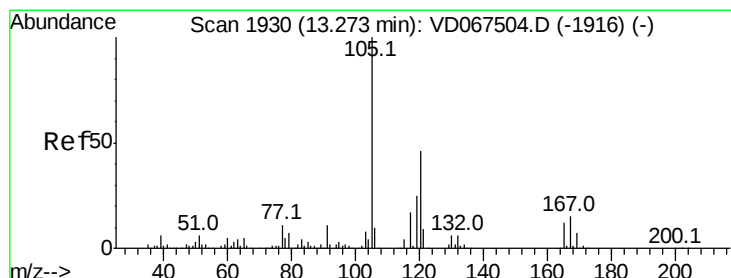
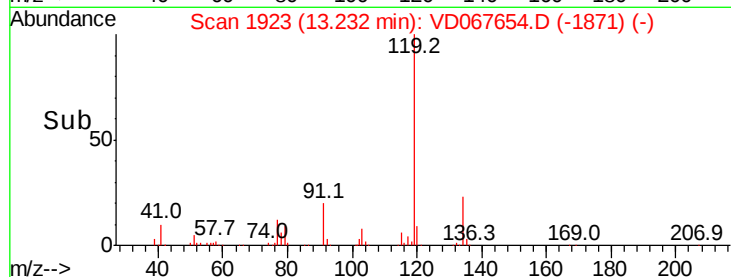
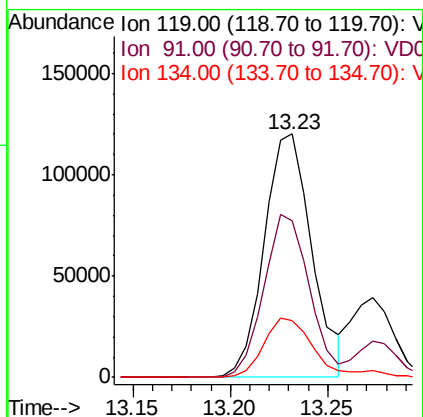
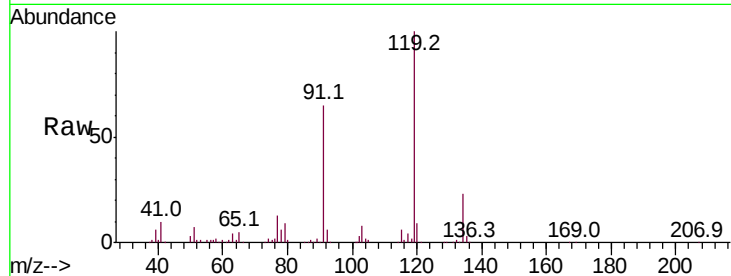




#83
 tert-Butylbenzene
 Concen: 22.401 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

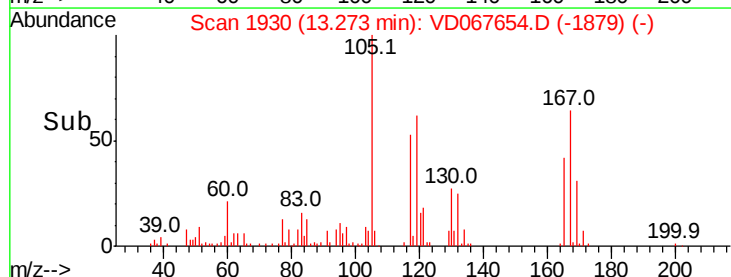
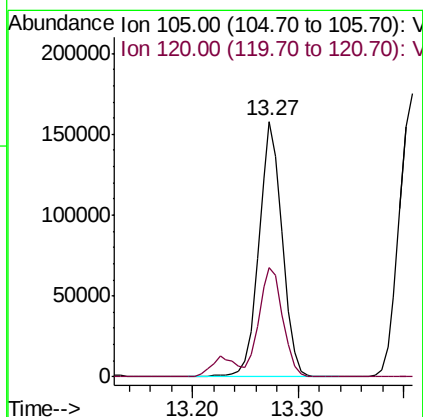
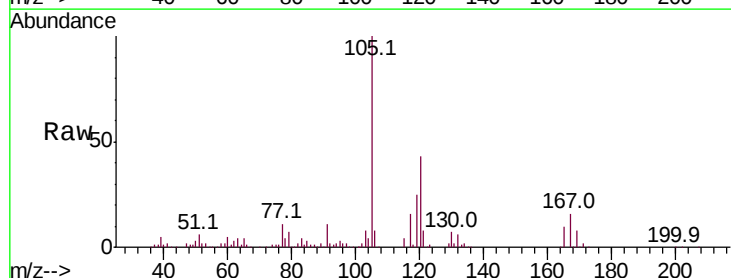
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBSD01

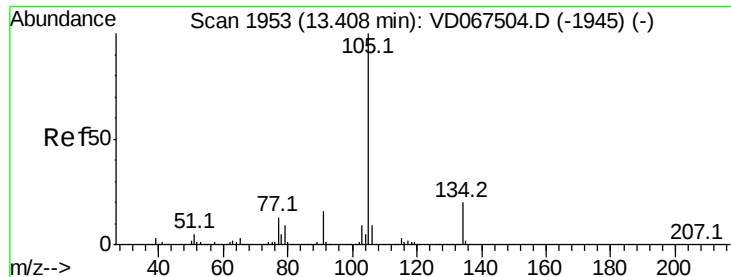
Tot Ion:119 Resp: 202772
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.7 98.1
 134 26.6 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 22.873 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion:105 Resp: 243177
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 22.474 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

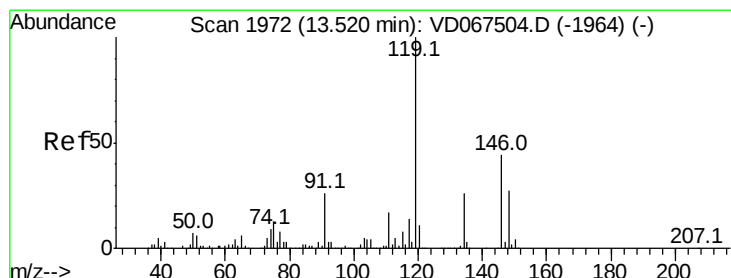
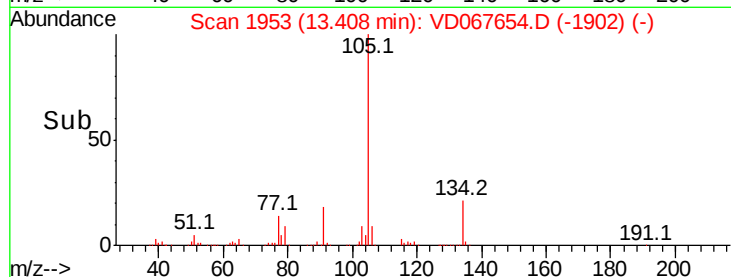
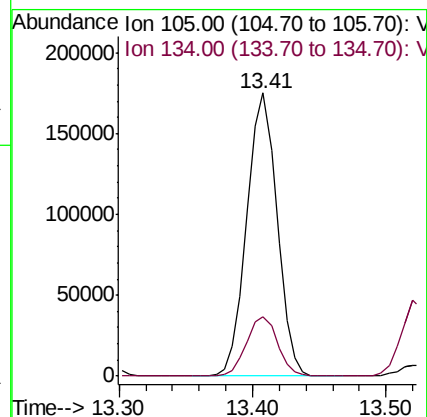
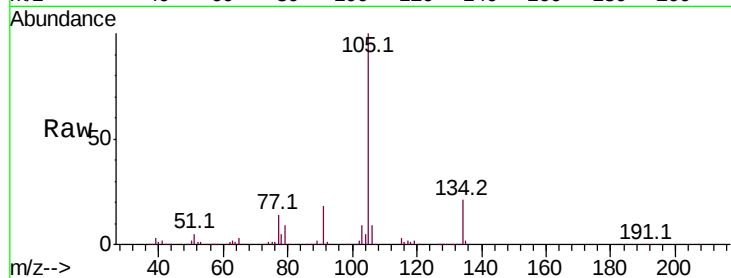
VD1117SBS01

Tot Ion:105 Resp: 274624

Ion Ratio Lower Upper

105 100

134 21.6 10.4 31.4



#86

p-Isopropyltoluene

Concen: 22.139 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

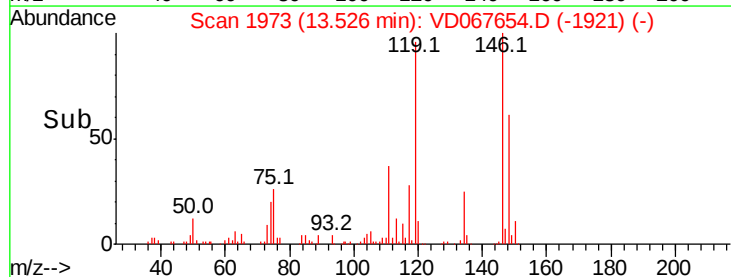
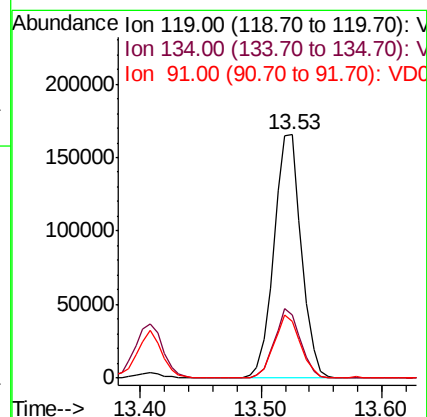
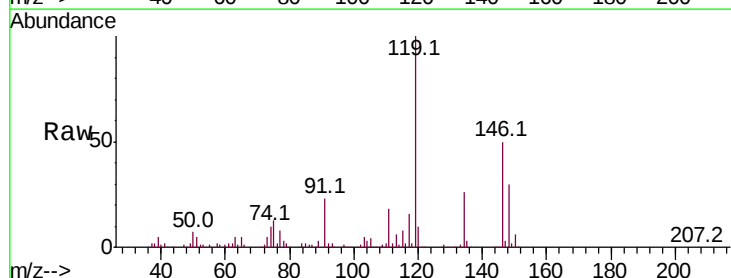
Tgt Ion:119 Resp: 261253

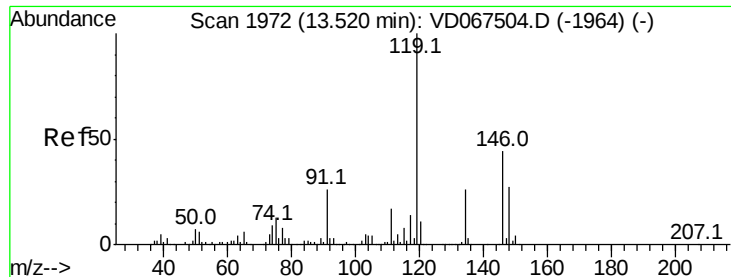
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 25.1 12.2 36.4

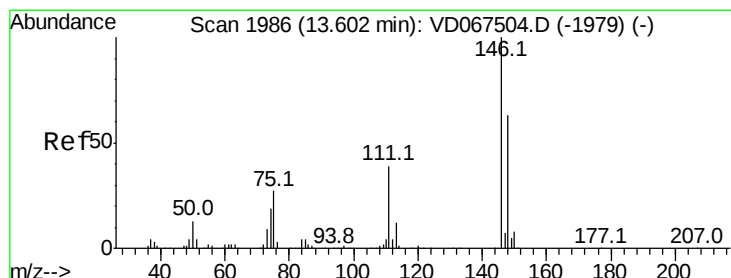
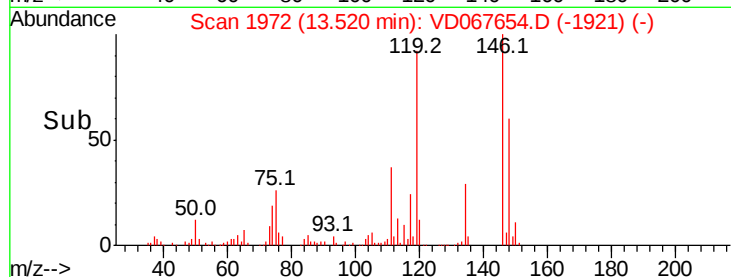
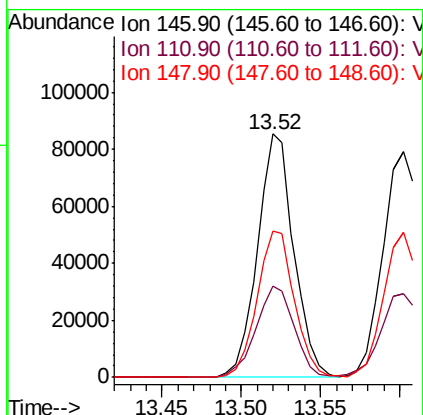
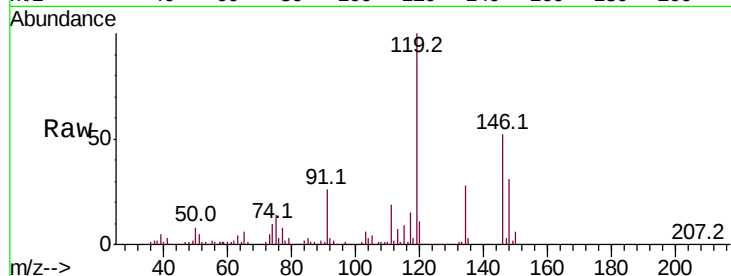




#87
 1,3-Dichlorobenzene
 Concen: 23.183 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

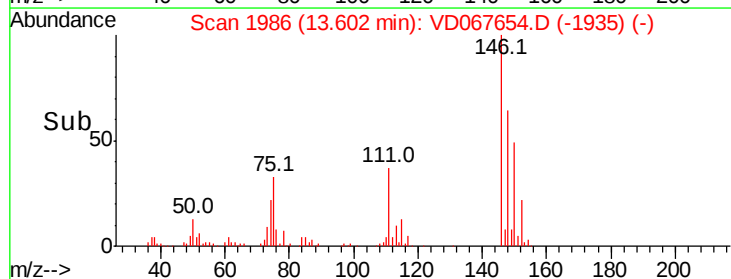
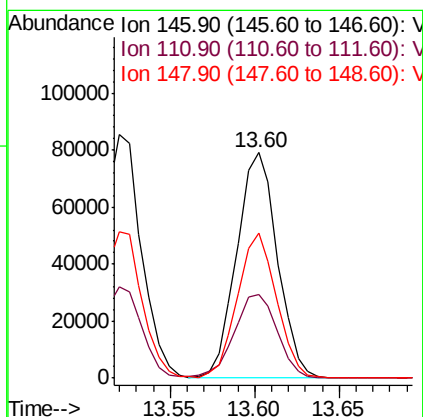
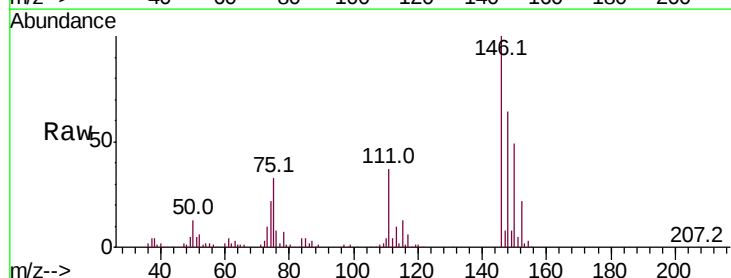
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

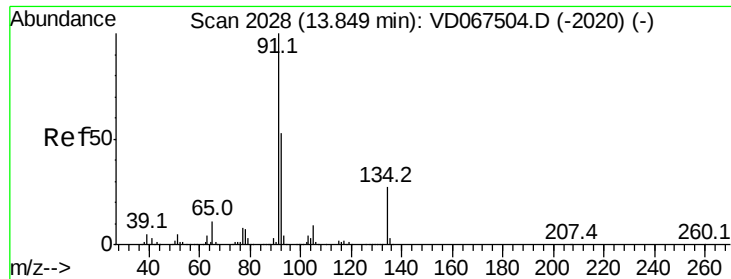
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	61.9	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 22.354 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	62.0	31.8	95.4

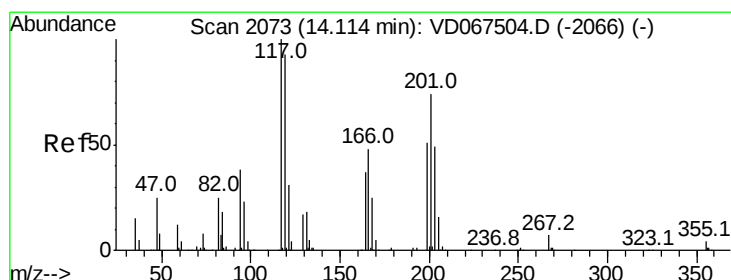
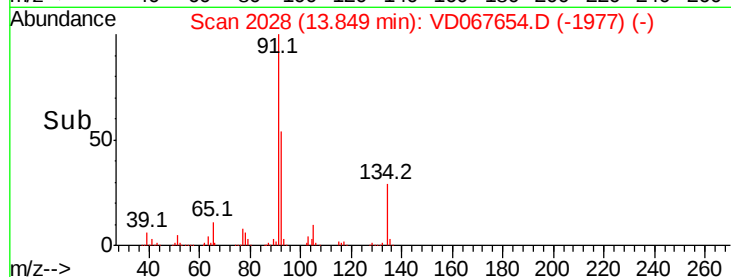
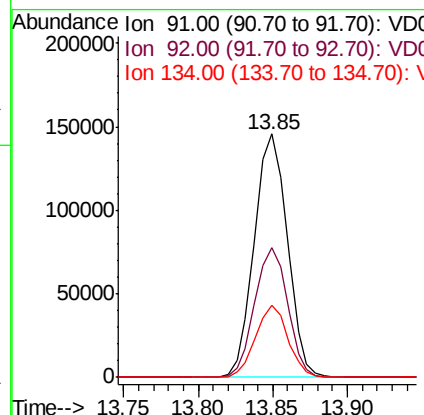
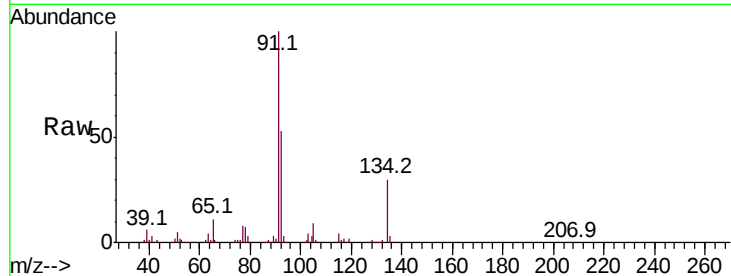




#89
n-Butylbenzene
Concen: 21.899 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

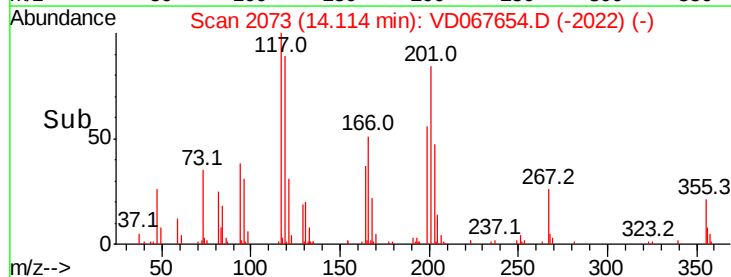
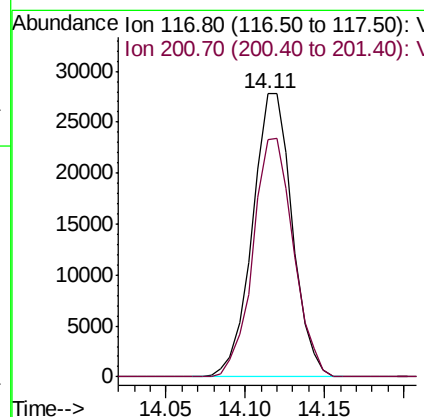
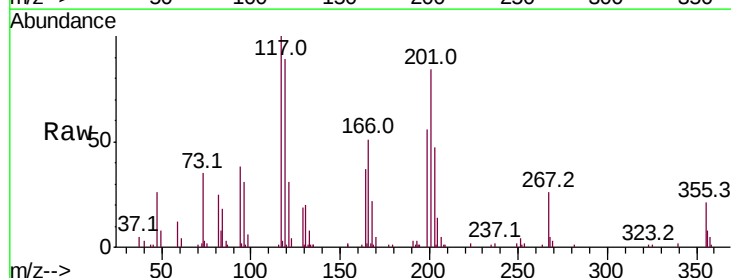
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

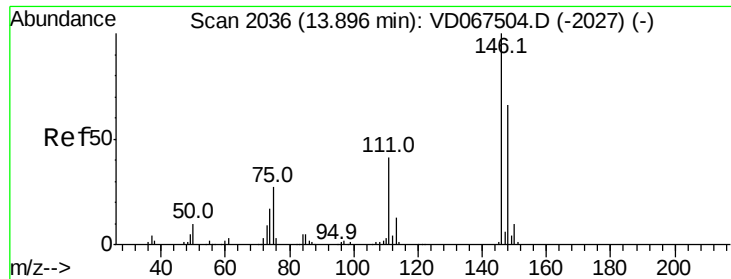
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	29.0	14.1	42.2



#90
Hexachloroethane
Concen: 21.865 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 22.530 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBSD01

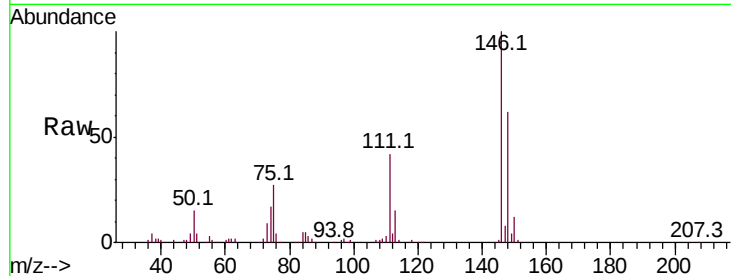
Tot Ion:146 Resp: 114248

Ion Ratio Lower Upper

146 100

111 42.2 20.7 62.1

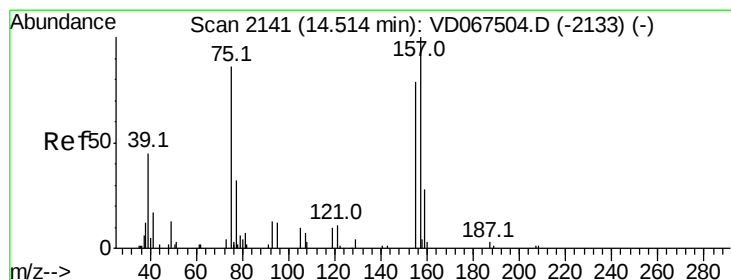
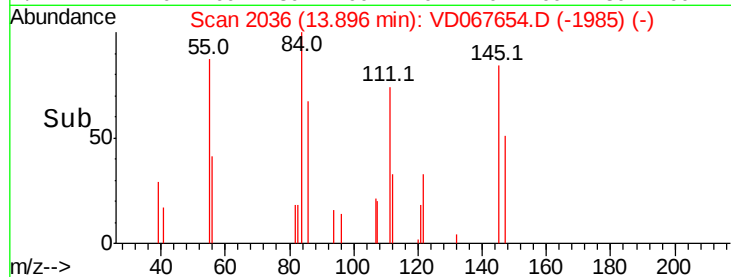
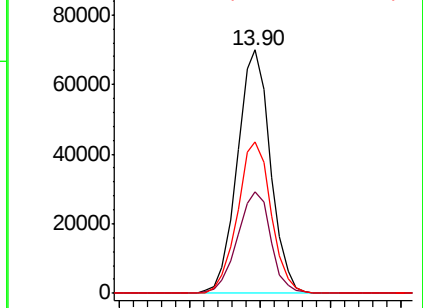
148 63.5 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.597 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD067654.D

Acq: 17 Nov 2020 11:27

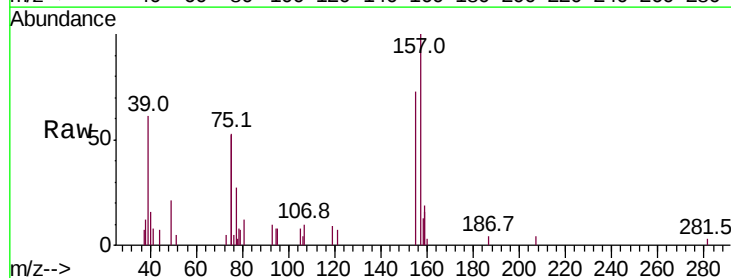
Tgt Ion: 75 Resp: 7425

Ion Ratio Lower Upper

75 100

155 83.7 46.6 139.8

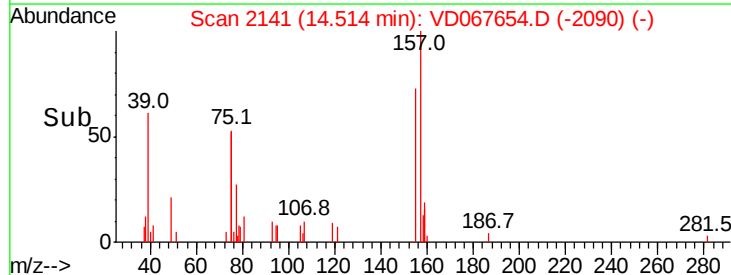
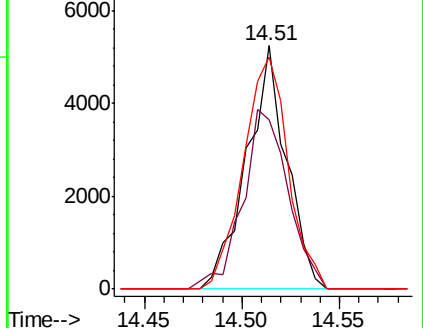
157 107.4 58.1 174.2

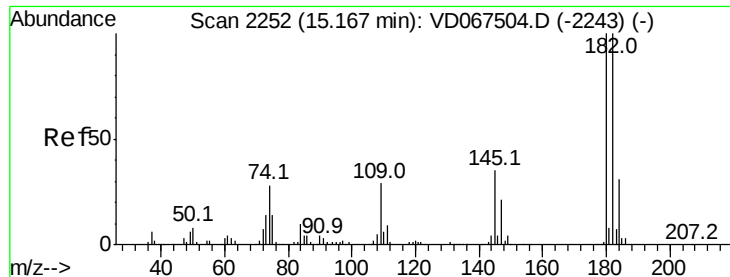


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

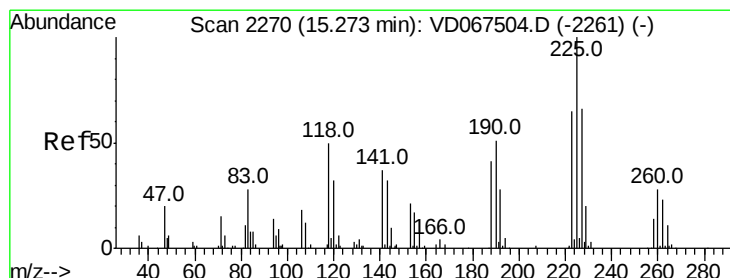
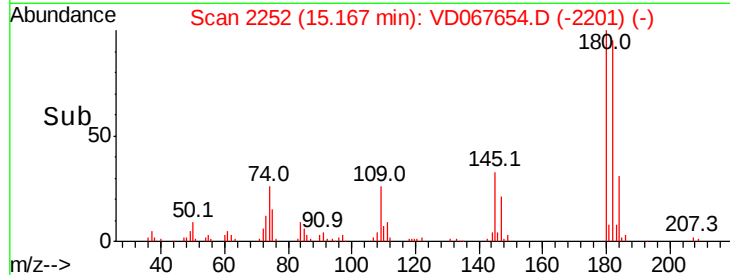
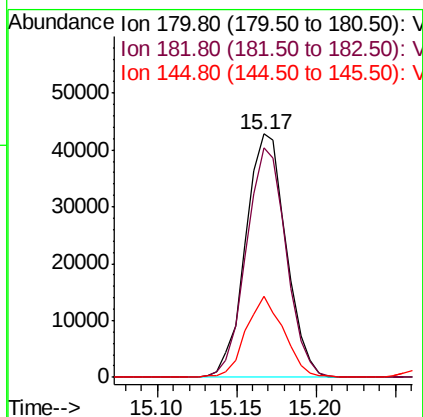
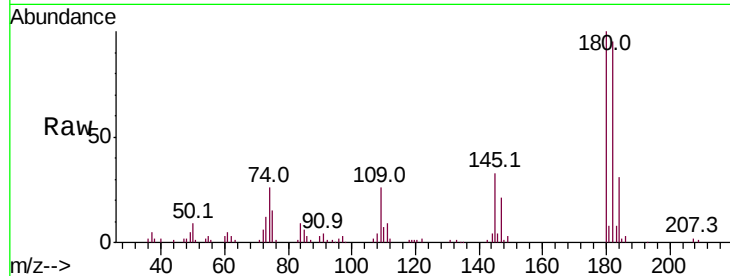




#93
 1,2,4-Trichlorobenzene
 Concen: 22.081 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

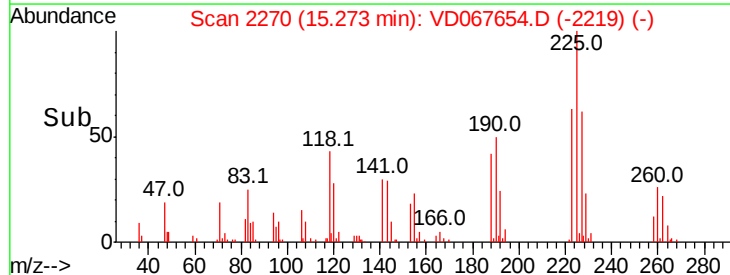
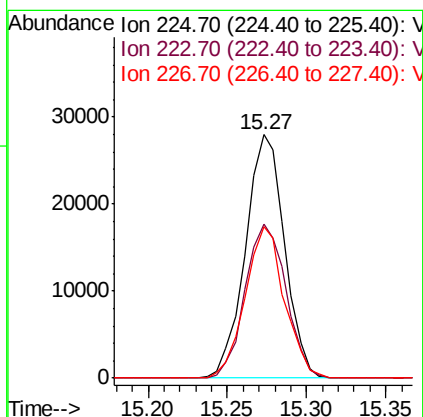
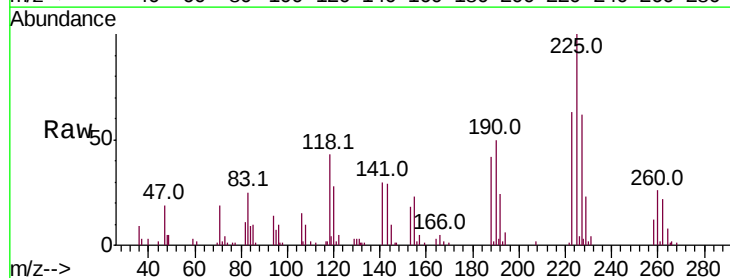
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBSD01

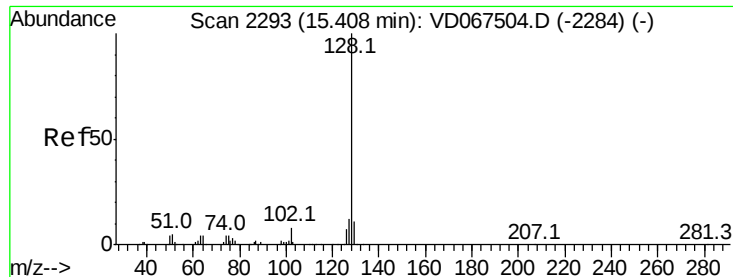
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.3
145	31.4	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 20.836 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067654.D
 Acq: 17 Nov 2020 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	31.9	95.5
227	62.2	32.5	97.4

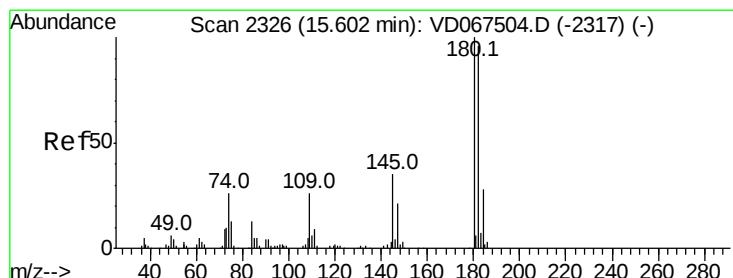
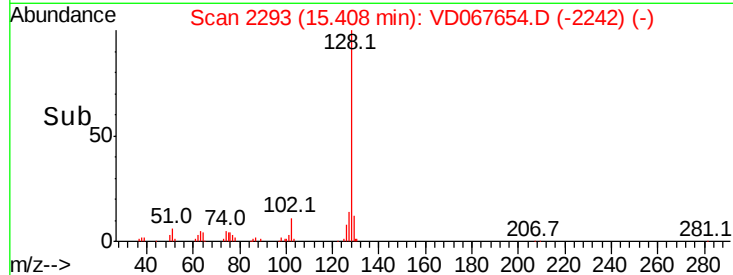
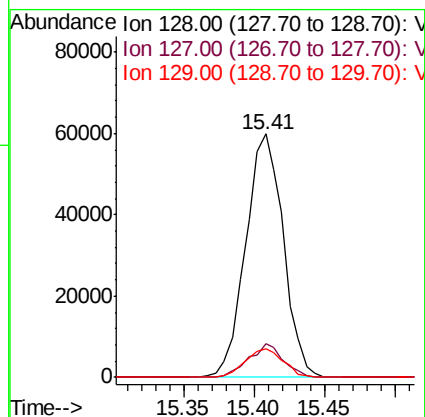
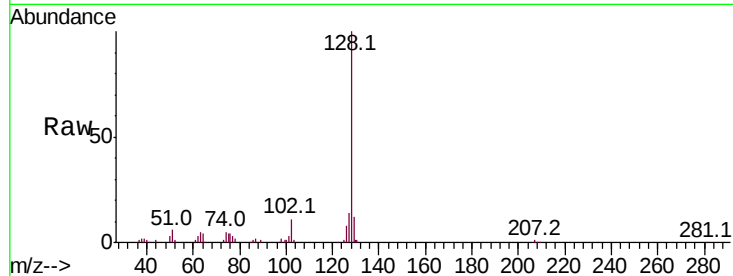




#95
Naphthalene
Concen: 20.998 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBSD01

Tot Ion:128 Resp: 111528
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 12.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.567 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067654.D
Acq: 17 Nov 2020 11:27

Tgt Ion:180 Resp: 63563
Ion Ratio Lower Upper
180 100
182 95.5 46.9 140.8
145 35.0 17.1 51.2

