

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067653.D
 Acq On : 17 Nov 2020 11:00
 Operator : VA/SY
 Sample : VD1117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Quant Time: Nov 17 23:56:37 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	285372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	375338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	189618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117133	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	7.92	113	118515	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.34	98	405802	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	12.64	95	147997	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52975	20.225	ug/l	93
3) Chloromethane	2.21	50	33723	18.977	ug/l	94
4) Vinyl Chloride	2.36	62	36913	18.631	ug/l	98
5) Bromomethane	2.77	94	32308	20.119	ug/l	88
6) Chloroethane	2.93	64	23868	19.540	ug/l	96
7) Trichlorofluoromethane	3.28	101	104412	20.353	ug/l	95
8) Diethyl Ether	3.71	74	20103	19.448	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	51144	19.751	ug/l	96
10) Methyl Iodide	4.30	142	48342	17.418	ug/l	100
11) Tert butyl alcohol	5.21	59	16937	149.378	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	47028	19.744	ug/l	85
13) Acrolein	3.93	56	3971	60.141	ug/l	99
14) Allyl chloride	4.71	41	46936	18.412	ug/l	98
15) Acrylonitrile	5.43	53	36139	94.578	ug/l	96
16) Acetone	4.16	43	31178	83.497	ug/l	90
17) Carbon Disulfide	4.41	76	133139	18.242	ug/l	97
18) Methyl Acetate	4.70	43	6486	8.406	ug/l #	30
19) Methyl tert-butyl Ether	5.47	73	92259	19.637	ug/l	99
20) Methylene Chloride	4.97	84	54854	20.796	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	54283	19.567	ug/l	92
22) Diisopropyl ether	6.36	45	96801	19.486	ug/l	92
23) Vinyl Acetate	6.30	43	247349	95.122	ug/l	97
24) 1,1-Dichloroethane	6.27	63	80804	19.883	ug/l	98
25) 2-Butanone	7.21	43	37657	94.381	ug/l	92
26) 2,2-Dichloropropane	7.21	77	87659	20.438	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	57431	19.945	ug/l	98
28) Bromochloromethane	7.55	49	26737	18.496	ug/l	99
29) Tetrahydrofuran	7.56	42	23642	98.922	ug/l	99
30) Chloroform	7.71	83	100897	20.811	ug/l	98
31) Cyclohexane	7.98	56	68409	18.902	ug/l #	85
32) 1,1,1-Trichloroethane	7.91	97	102994	20.589	ug/l	99
36) 1,1-Dichloropropene	8.12	75	75251	21.770	ug/l	97
37) Ethyl Acetate	7.29	43	17071	19.022	ug/l	98
38) Carbon Tetrachloride	8.10	117	101224	22.538	ug/l	95

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Quant Time: Nov 17 23:56:37 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	81755	20.095	ug/l	98
40) Benzene	8.36	78	196887	21.027	ug/l	97
41) Methacrylonitrile	7.53	41	13947	26.000	ug/l #	59
42) 1,2-Dichloroethane	8.43	62	62051	21.449	ug/l	99
43) Isopropyl Acetate	8.46	43	35330	19.906	ug/l	94
44) Trichloroethene	9.11	130	63241	20.541	ug/l	98
45) 1,2-Dichloropropane	9.39	63	42371	20.930	ug/l	95
46) Dibromomethane	9.48	93	25942	20.154	ug/l	97
47) Bromodichloromethane	9.67	83	76076	21.745	ug/l	98
48) Methyl methacrylate	9.46	41	17843	19.471	ug/l	93
49) 1,4-Dioxane	9.46	88	5203	398.174	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	90032	106.068	ug/l	97
52) Toluene	10.41	92	138536	22.089	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	64324	21.467	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	74147	20.828	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	36431	21.391	ug/l	95
56) Ethyl methacrylate	10.66	69	34615	19.682	ug/l	99
57) 1,3-Dichloropropane	10.95	76	58422	21.317	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	86710	105.724	ug/l	99
59) 2-Hexanone	10.99	43	59901	100.930	ug/l	97
60) Dibromochloromethane	11.14	129	57213	22.709	ug/l	98
61) 1,2-Dibromoethane	11.26	107	35810	20.950	ug/l	97
64) Tetrachloroethene	10.88	164	56541	20.340	ug/l	99
65) Chlorobenzene	11.68	112	151285	20.925	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	62472	21.923	ug/l	97
67) Ethyl Benzene	11.75	91	259610	20.984	ug/l	99
68) m/p-Xylenes	11.86	106	207905	43.194	ug/l	99
69) o-Xylene	12.18	106	87778	20.426	ug/l	95
70) Styrene	12.20	104	159977	21.364	ug/l	99
71) Bromoform	12.37	173	31506	21.679	ug/l #	99
73) Isopropylbenzene	12.48	105	262116	21.389	ug/l	99
74) N-amyl acetate	12.30	43	30190	18.722	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	34350	20.556	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	50420	44.078	ug/l #	100
77) Bromobenzene	12.77	156	66431	22.073	ug/l	96
78) n-propylbenzene	12.83	91	301798	21.531	ug/l	100
79) 2-Chlorotoluene	12.91	91	170333	21.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	228941	21.869	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	10811	19.188	ug/l	96
82) 4-Chlorotoluene	13.01	91	187449	21.950	ug/l	100
83) tert-Butylbenzene	13.23	119	187931	21.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	226756	21.761	ug/l	99
85) sec-Butylbenzene	13.41	105	258716	21.601	ug/l	99
86) p-Isopropyltoluene	13.52	119	246477	21.311	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	124298	21.644	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	124058	21.334	ug/l	100
89) n-Butylbenzene	13.85	91	209991	21.020	ug/l	99
90) Hexachloroethane	14.11	117	47563	21.837	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	106880	21.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6136	20.739	ug/l	92

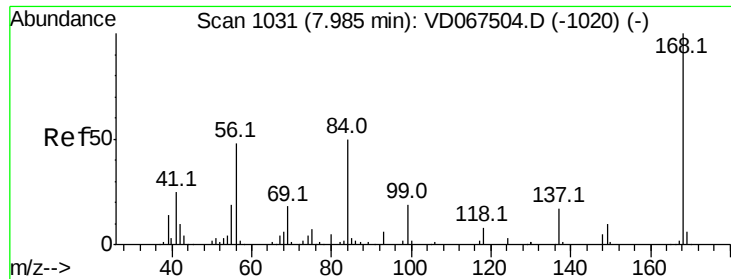
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111720\
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Operator : VA/SY
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70935	21.028	ug/l	98
94) Hexachlorobutadiene	15.27	225	47712	21.133	ug/l	95
95) Naphthalene	15.41	128	106125	20.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58271	20.172	ug/l	97

(#) = 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: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

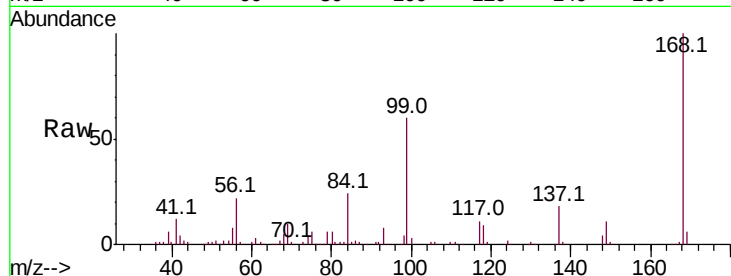
VD1117SBS01

Tot Ion:168 Resp: 285372

Ion Ratio Lower Upper

168 100

99 60.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

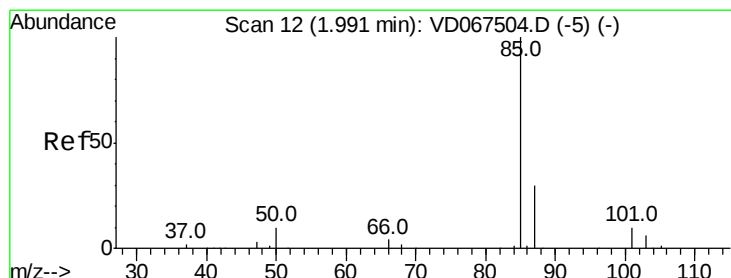
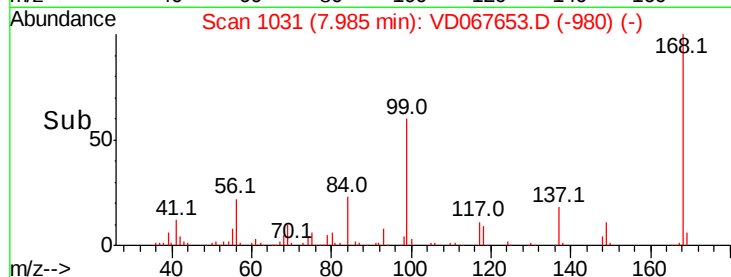
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.225 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067653.D

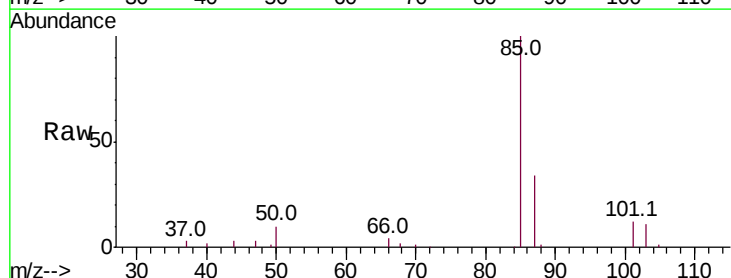
Acq: 17 Nov 2020 11:00

Tgt Ion: 85 Resp: 52975

Ion Ratio Lower Upper

85 100

87 34.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

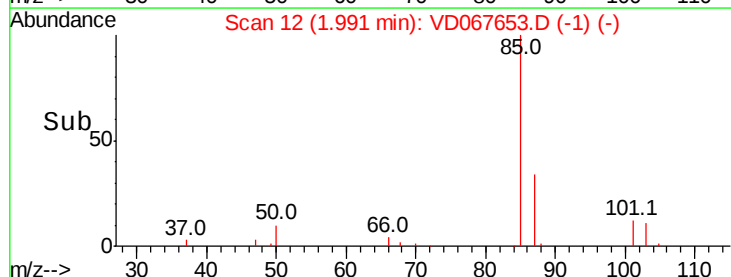
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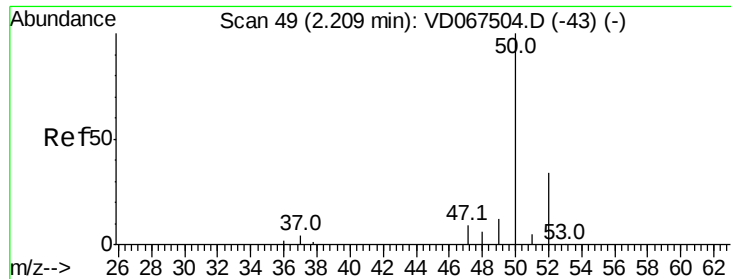
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.977 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

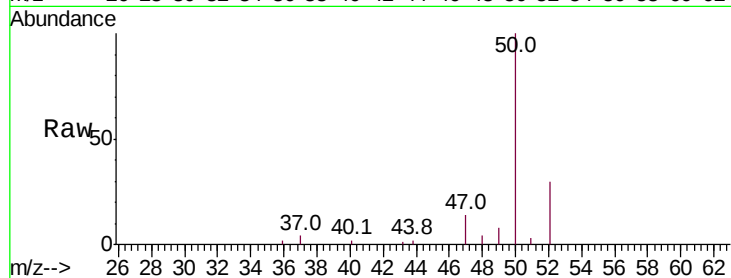
VD1117SBS01

Tot Ion: 50 Resp: 33723

Ion Ratio Lower Upper

50 100

52 30.4 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

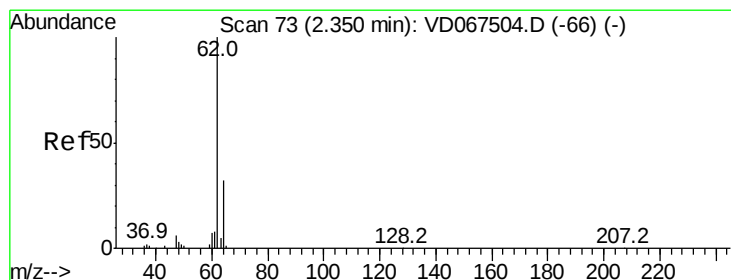
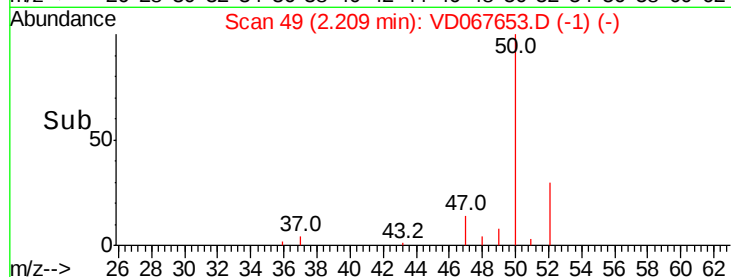
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 18.631 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067653.D

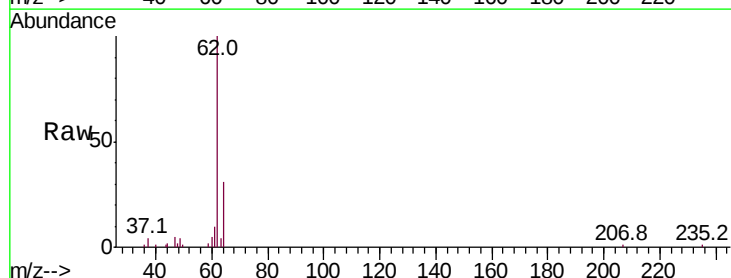
Acq: 17 Nov 2020 11:00

Tgt Ion: 62 Resp: 36913

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

25000

20000

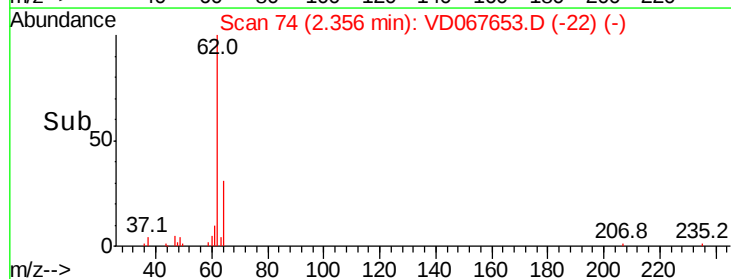
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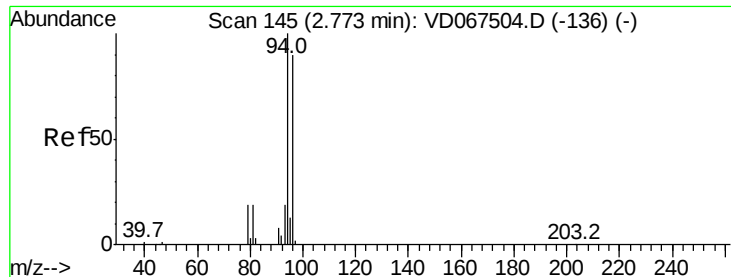
10000

5000

0

Time-->





#5

Bromomethane

Concen: 20.119 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

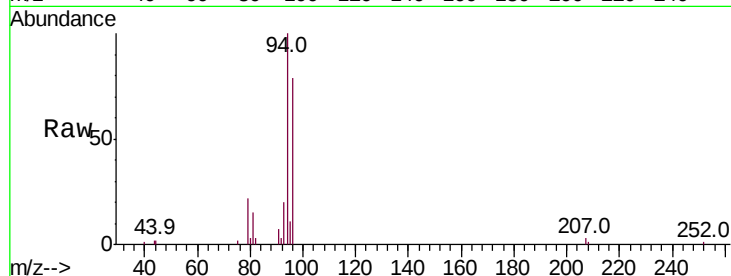
VD1117SBS01

Tot Ion: 94 Resp: 32308

Ion Ratio Lower Upper

94 100

96 78.7 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

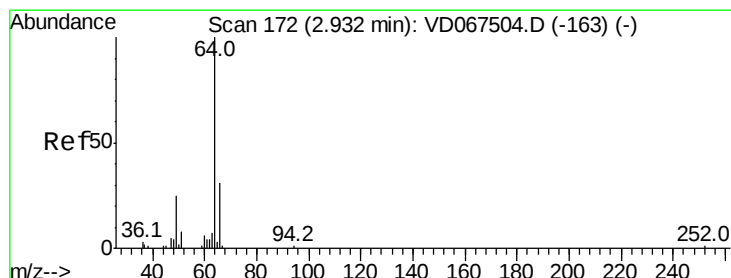
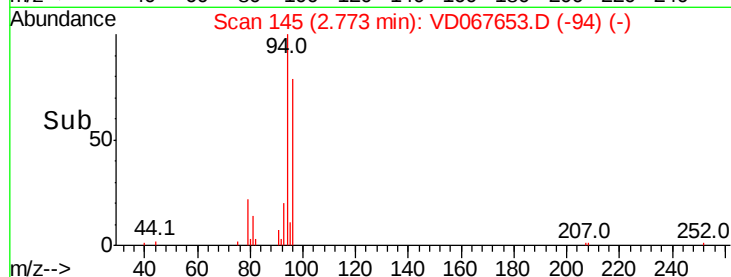
10000

5000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 19.540 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067653.D

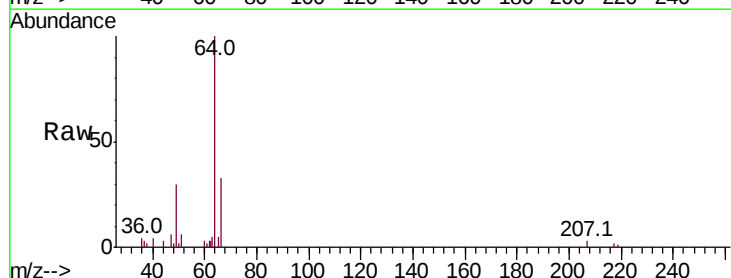
Acq: 17 Nov 2020 11:00

Tgt Ion: 64 Resp: 23868

Ion Ratio Lower Upper

64 100

66 32.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

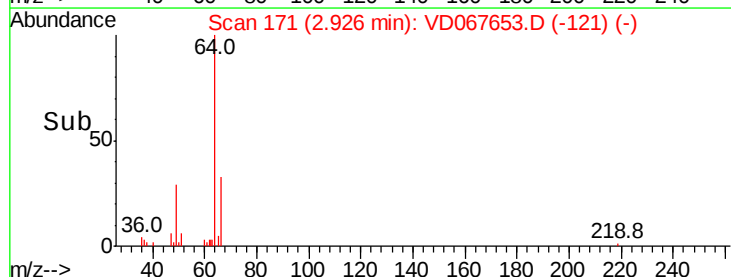
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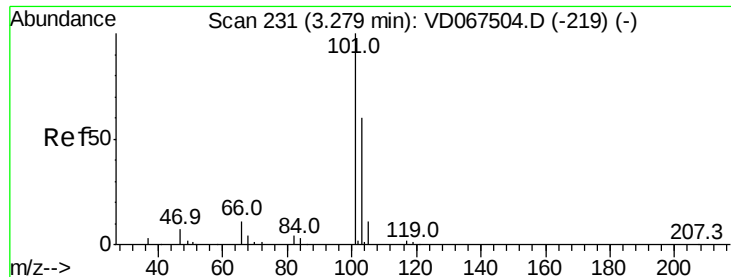
5000

0

2.85 2.90 2.95 3.00

Time-->



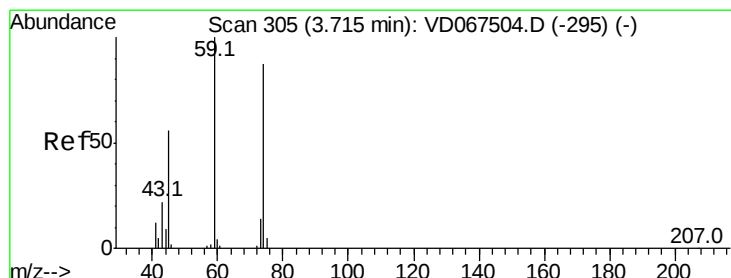
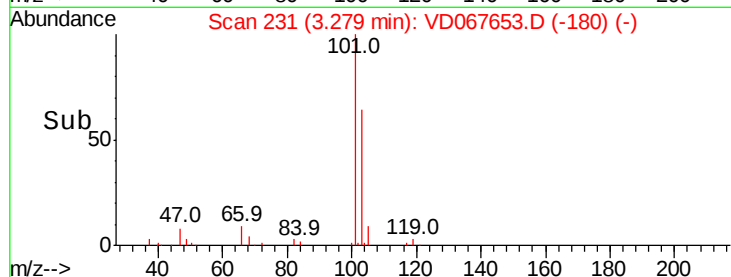
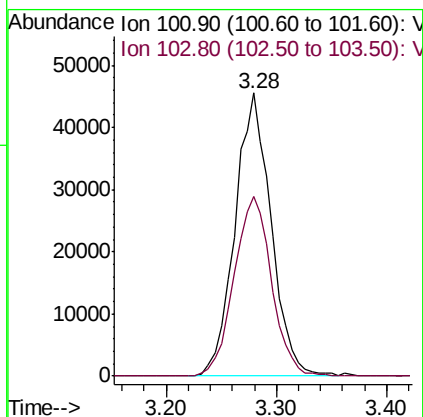
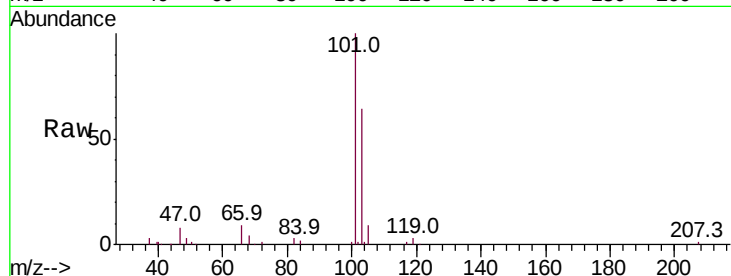


#7

Trichlorofluoromethane
 Concen: 20.353 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
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 VD1117SBS01

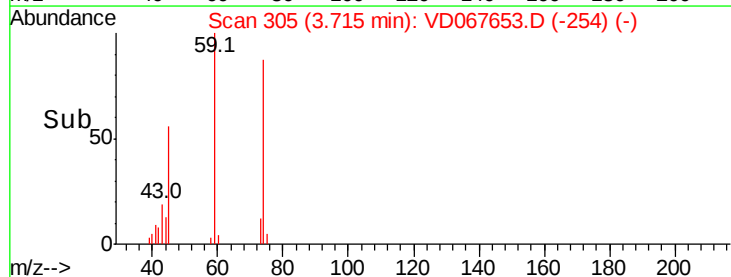
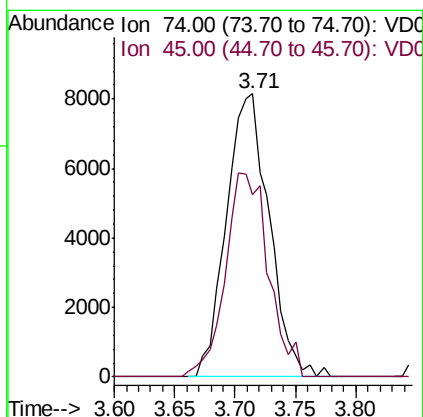
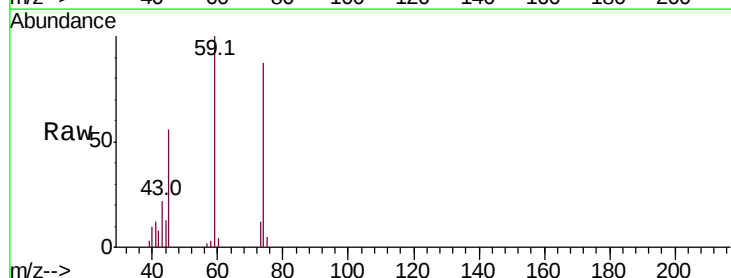
Tot Ion:101 Resp: 104412
 Ion Ratio Lower Upper
 101 100
 103 63.6 48.1 72.1

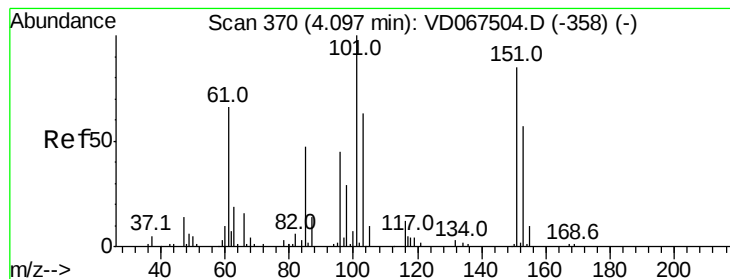


#8

Diethyl Ether
 Concen: 19.448 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion: 74 Resp: 20103
 Ion Ratio Lower Upper
 74 100
 45 72.5 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.751 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

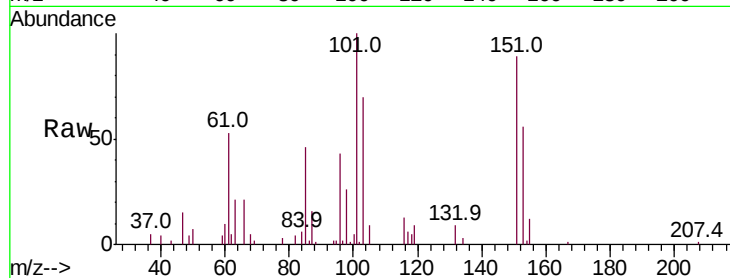
Tot Ion:101 Resp: 51144

Ion Ratio Lower Upper

101 100

85 43.2 34.4 51.6

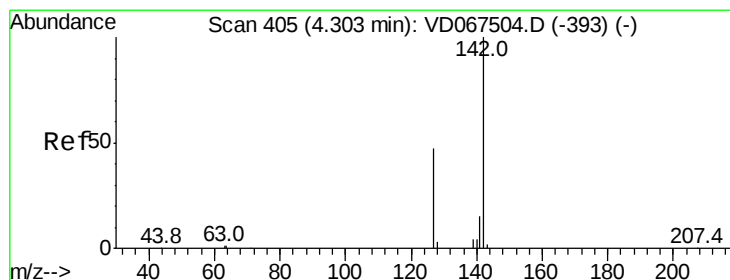
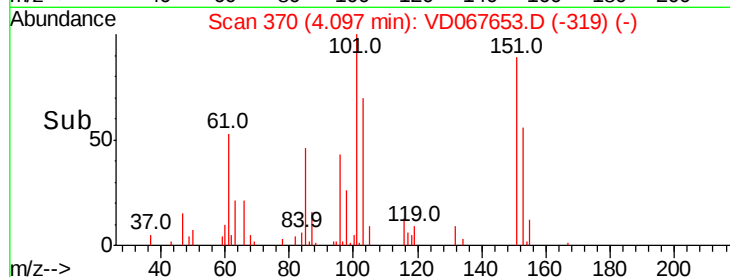
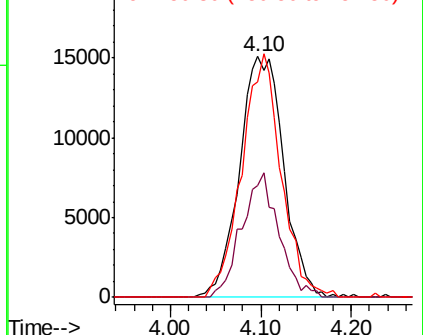
151 90.2 68.1 102.1



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: 17.418 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

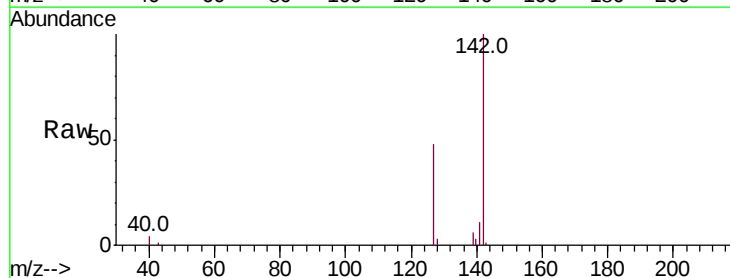
Tgt Ion:142 Resp: 48342

Ion Ratio Lower Upper

142 100

127 49.9 40.0 60.0

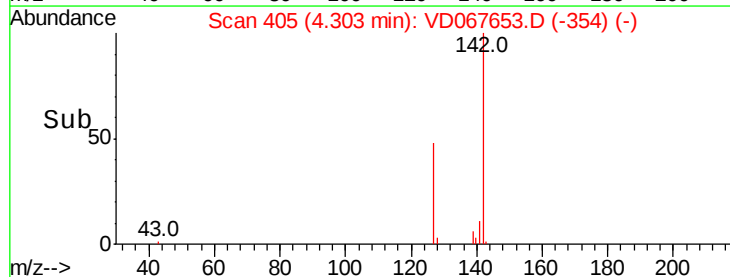
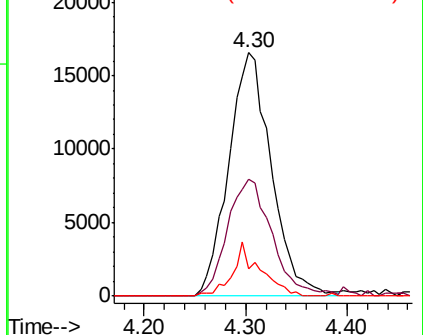
141 14.3 11.7 17.5

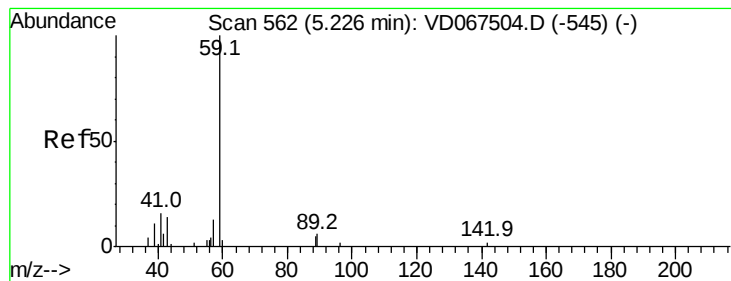


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



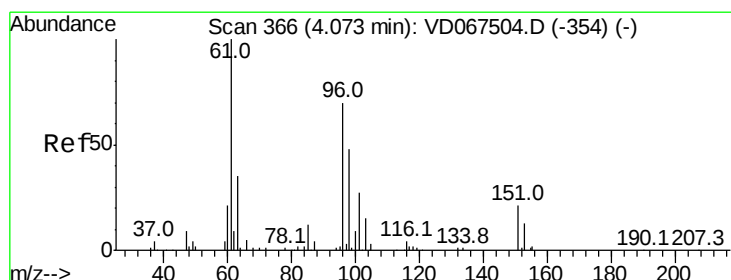
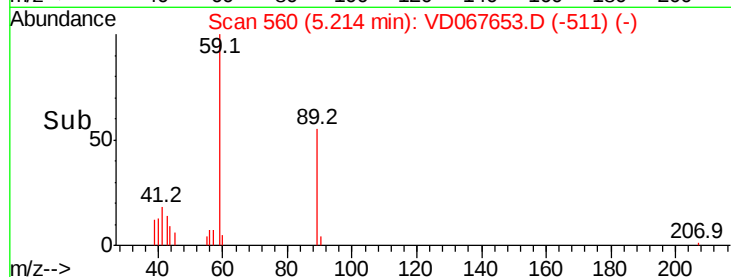
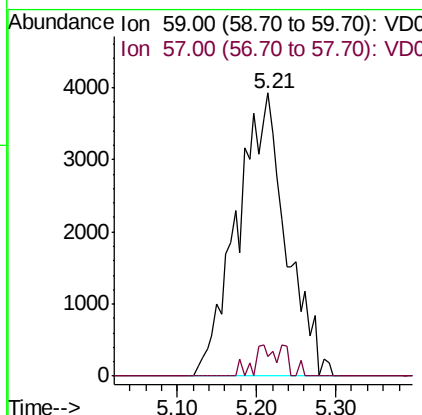
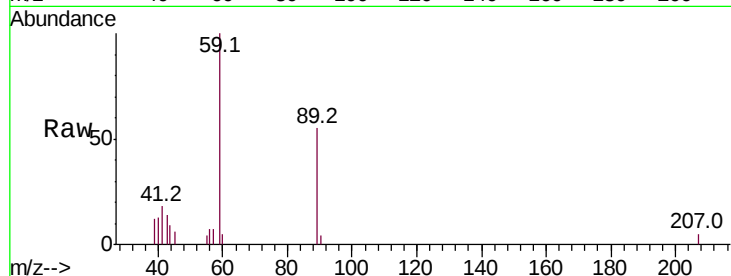


#11

Tert butyl alcohol
 Concen: 149.378 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

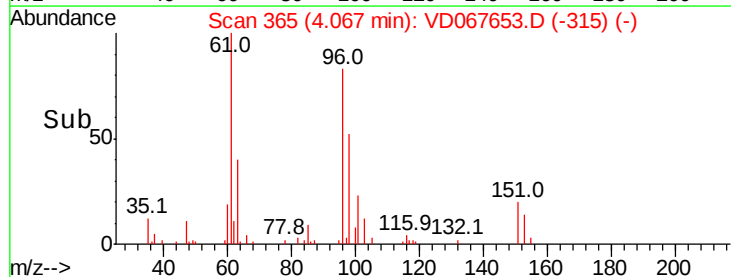
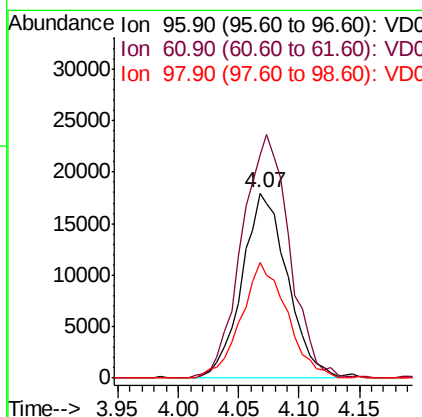
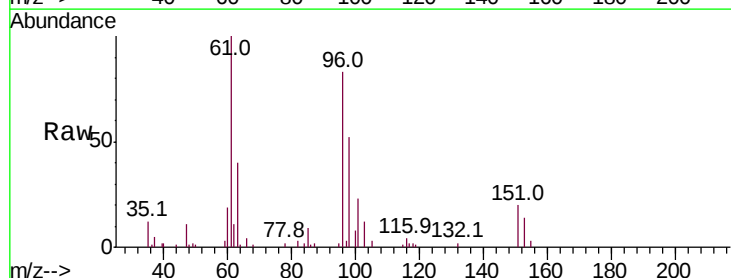
Tot Ion: 59 Resp: 16937
 Ion Ratio Lower Upper
 59 100
 57 3.8 5.9 8.9#

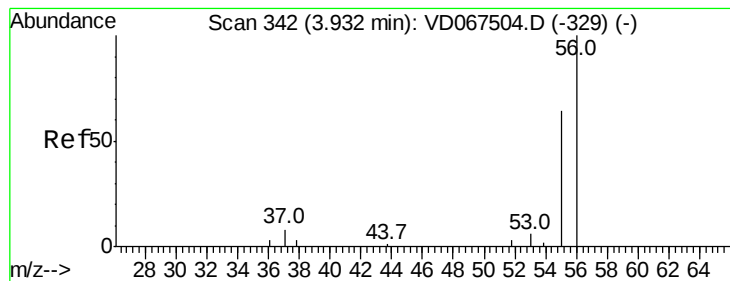


#12

1,1-Dichloroethene
 Concen: 19.744 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion: 96 Resp: 47028
 Ion Ratio Lower Upper
 96 100
 61 120.7 114.5 171.7
 98 62.5 54.5 81.7





#13

Acrolein

Concen: 60.141 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

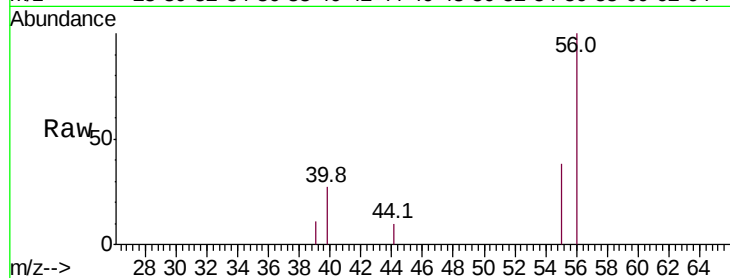
VD1117SBS01

Tot Ion: 56 Resp: 3971

Ion Ratio Lower Upper

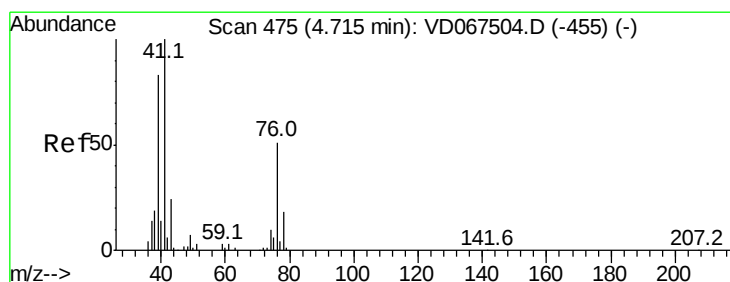
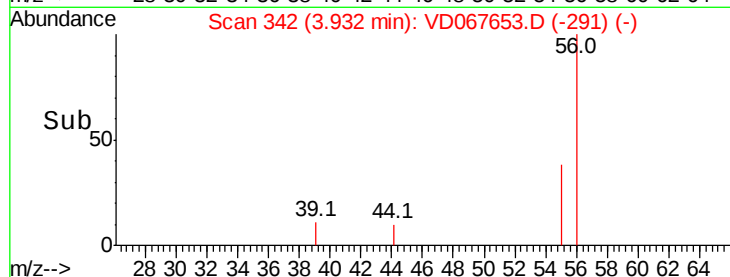
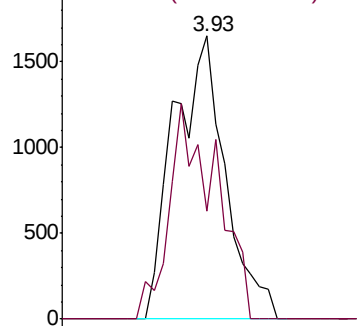
56 100

55 69.0 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: 18.412 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

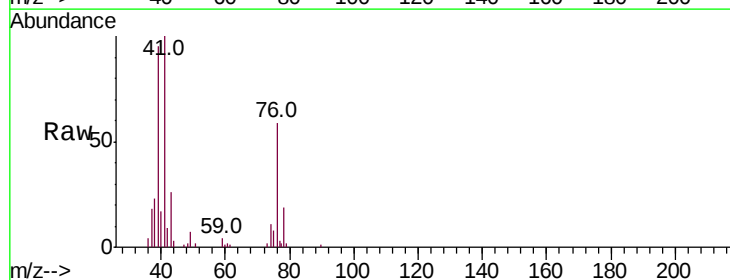
Tgt Ion: 41 Resp: 46936

Ion Ratio Lower Upper

41 100

39 87.5 67.4 101.0

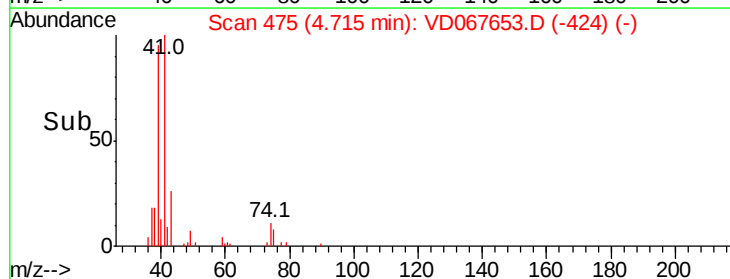
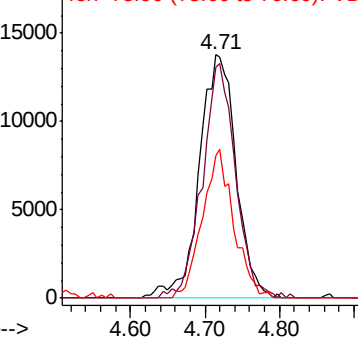
76 52.4 42.2 63.2



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: 94.578 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

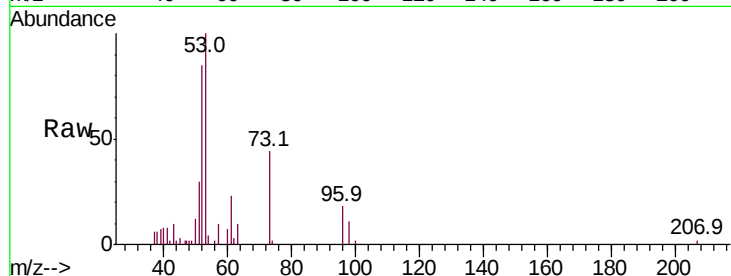
Tot Ion: 53 Resp: 36139

Ion Ratio Lower Upper

53 100

52 82.5 64.8 97.2

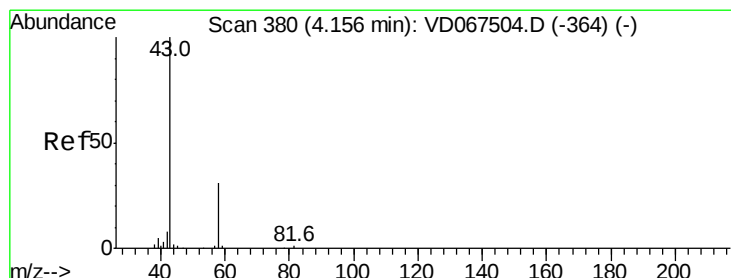
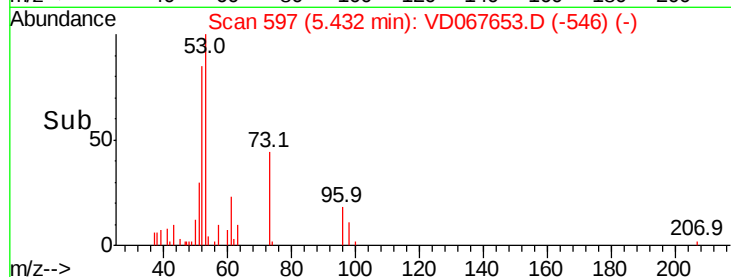
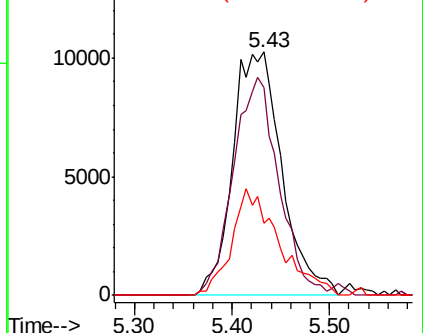
51 41.9 29.5 44.3



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: 83.497 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067653.D

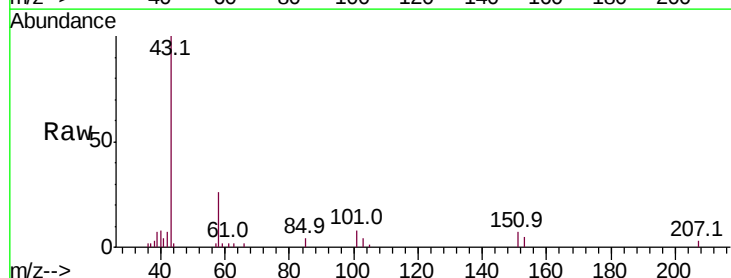
Acq: 17 Nov 2020 11:00

Tgt Ion: 43 Resp: 31178

Ion Ratio Lower Upper

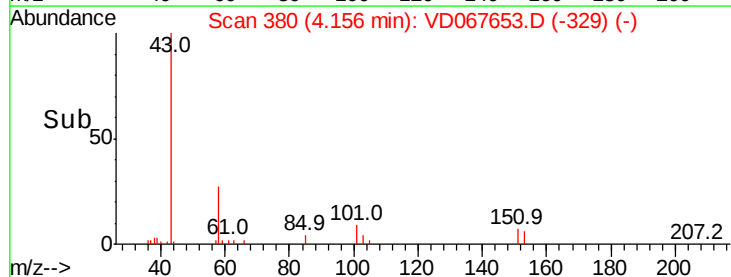
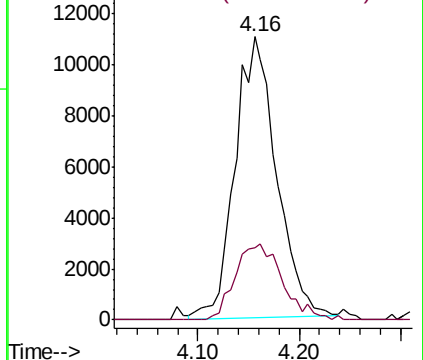
43 100

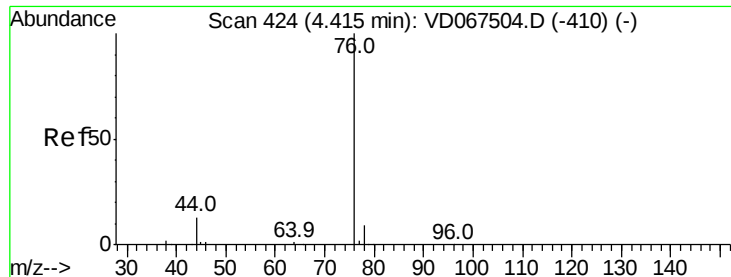
58 26.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

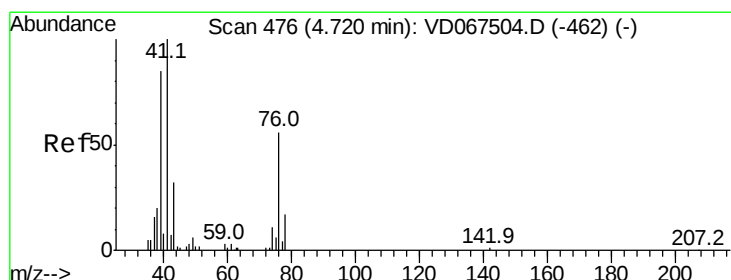
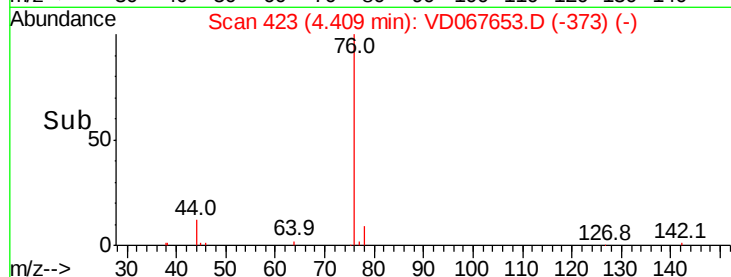
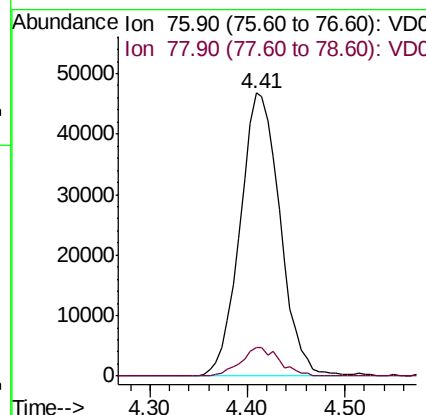
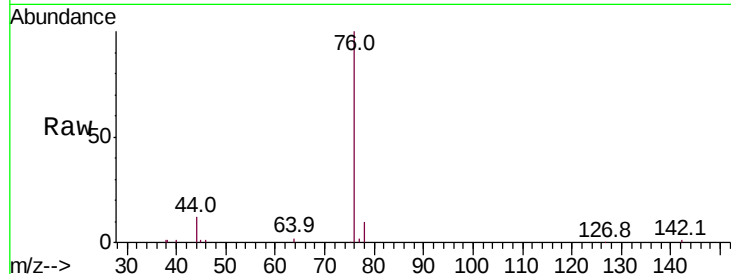




#17
Carbon Disulfide
Concen: 18.242 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

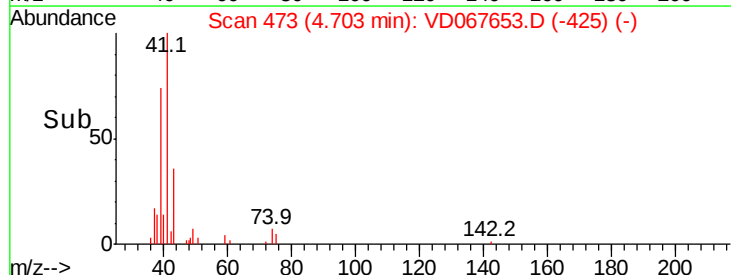
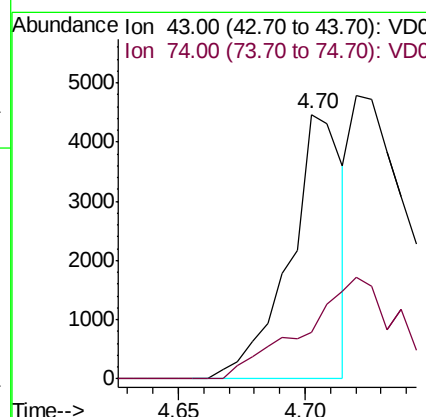
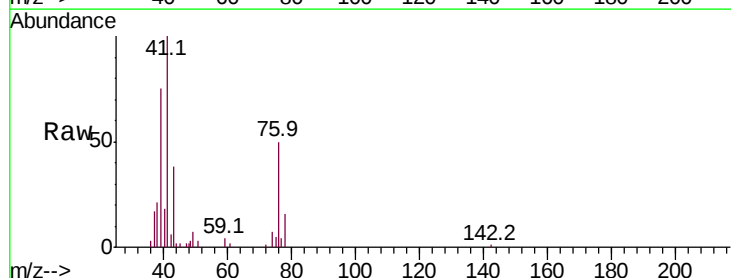
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

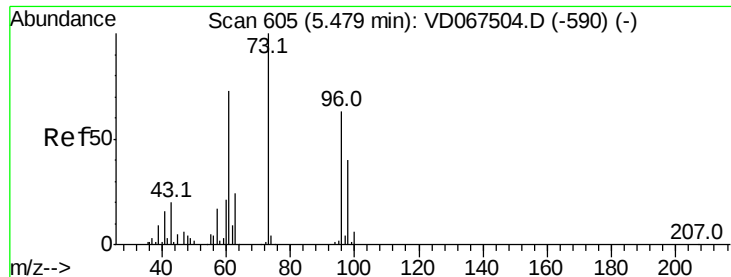
Tot Ion: 76 Resp: 133139
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8



#18
Methyl Acetate
Concen: 8.406 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.02 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 43 Resp: 6486
Ion Ratio Lower Upper
43 100
74 74.2 27.2 40.8#

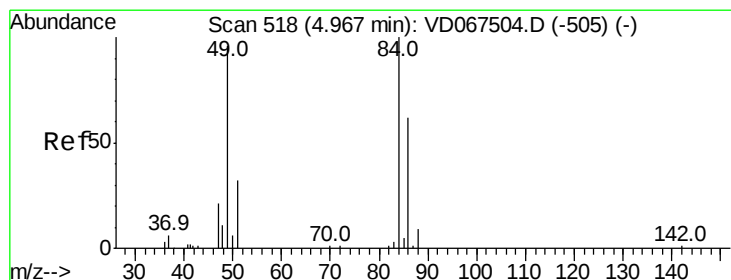
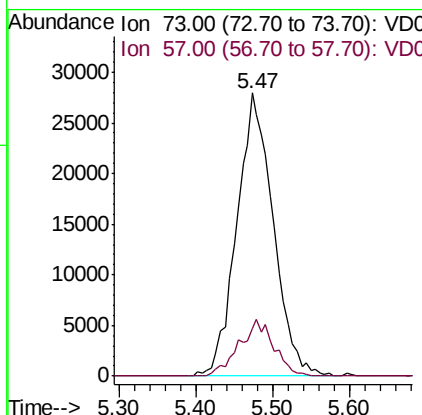
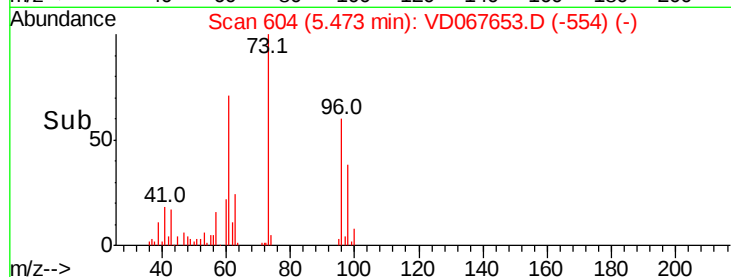
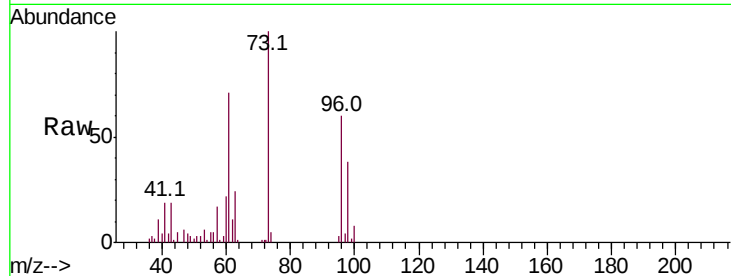




#19
Methyl tert-butyl Ether
Concen: 19.637 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

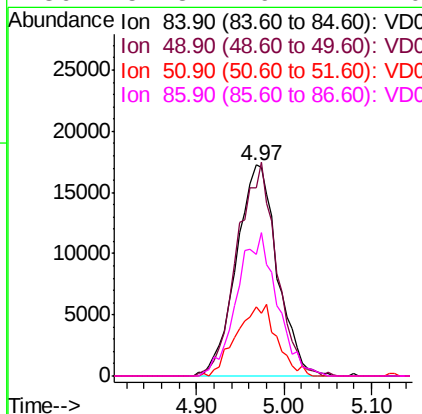
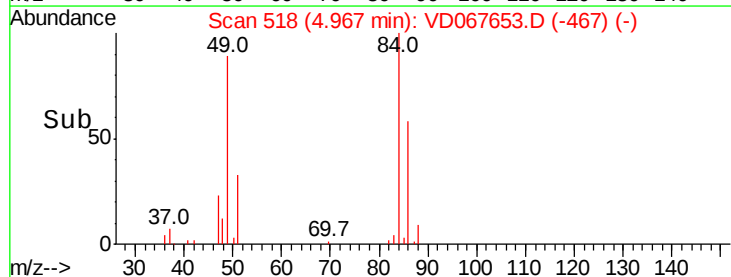
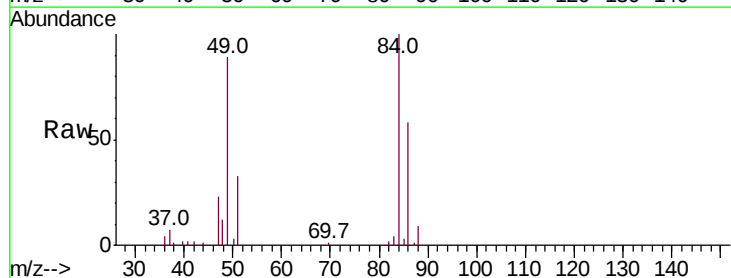
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

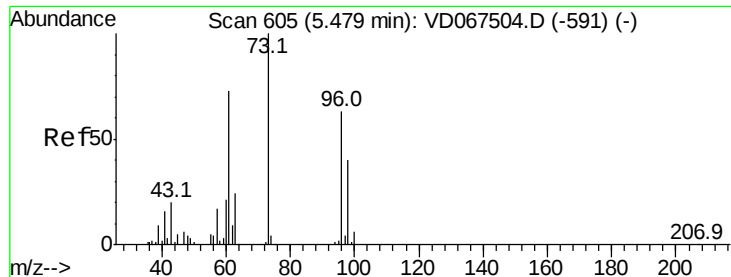
Tot Ion: 73 Resp: 92259
Ion Ratio Lower Upper
73 100
57 17.0 13.4 20.0



#20
Methylene Chloride
Concen: 20.796 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 84 Resp: 54854
Ion Ratio Lower Upper
84 100
49 89.4 77.0 115.4
51 32.9 25.4 38.2
86 57.8 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 19.567 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

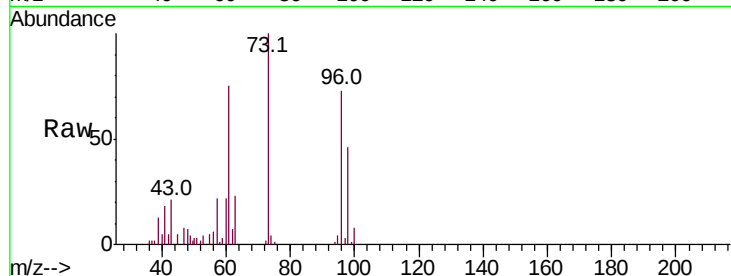
Tot Ion: 96 Resp: 54283

Ion Ratio Lower Upper

96 100

61 102.8 93.0 139.6

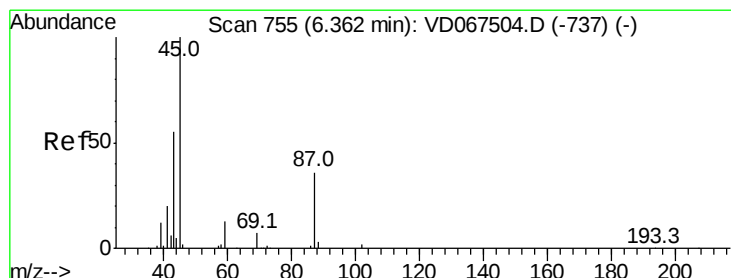
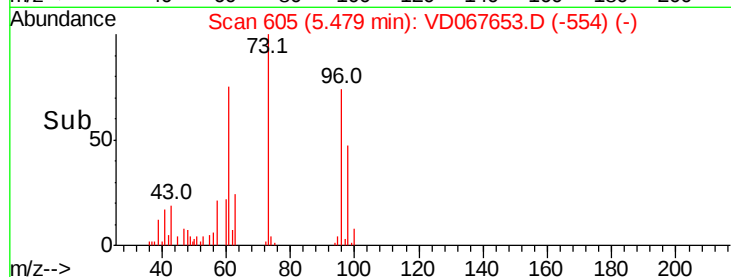
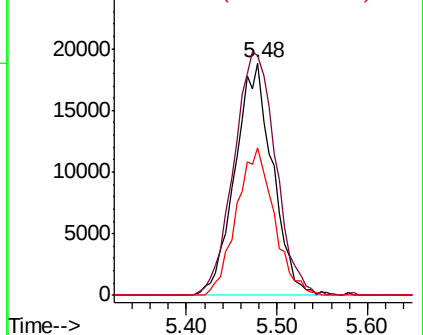
98 63.4 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.486 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion: 45 Resp: 96801

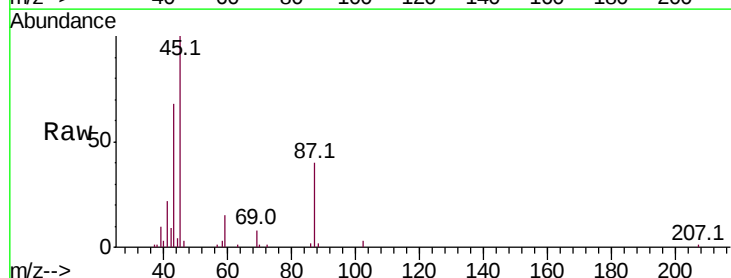
Ion Ratio Lower Upper

45 100

43 65.5 46.2 69.4

87 40.5 29.4 44.2

59 15.4 10.8 16.2

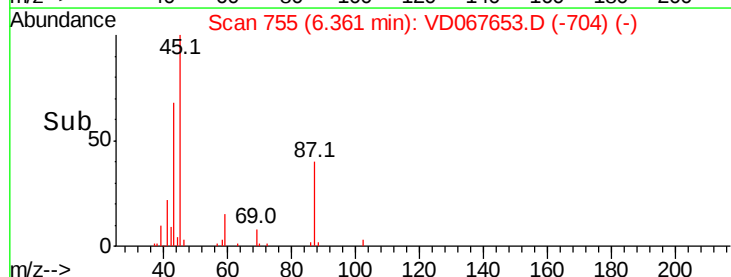
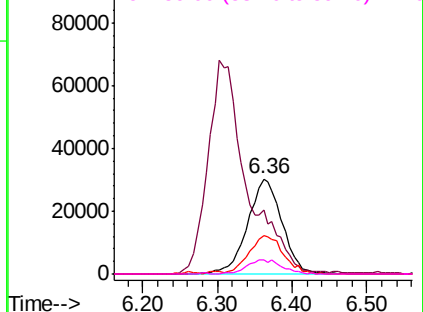


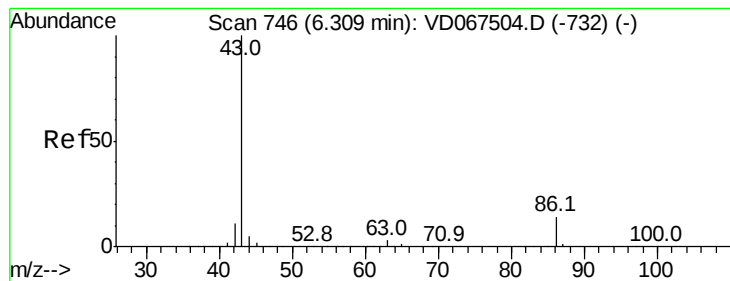
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 95.122 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

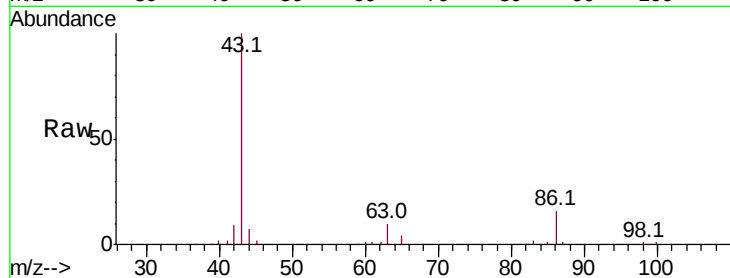
VD1117SBS01

Tot Ion: 43 Resp: 247349

Ion Ratio Lower Upper

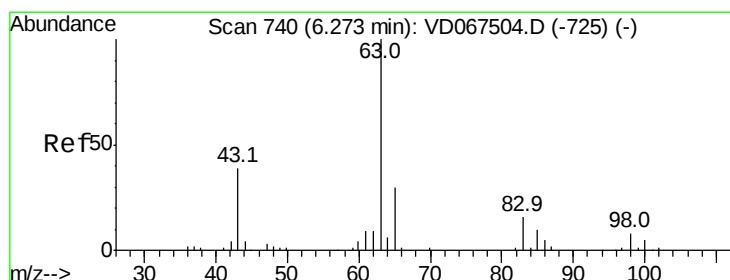
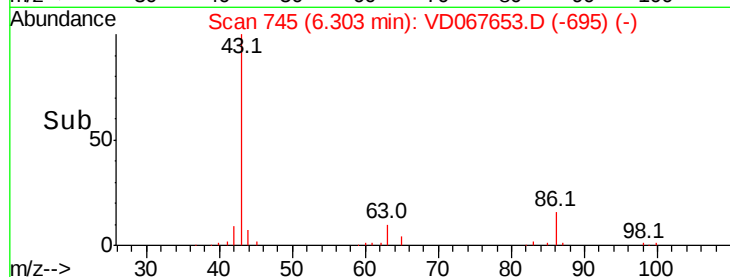
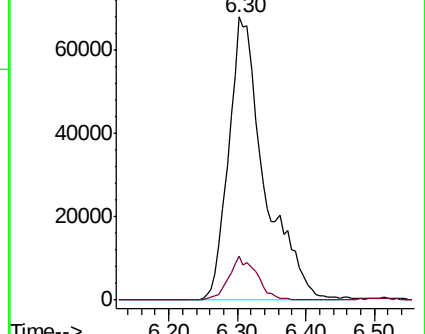
43 100

86 15.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.883 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

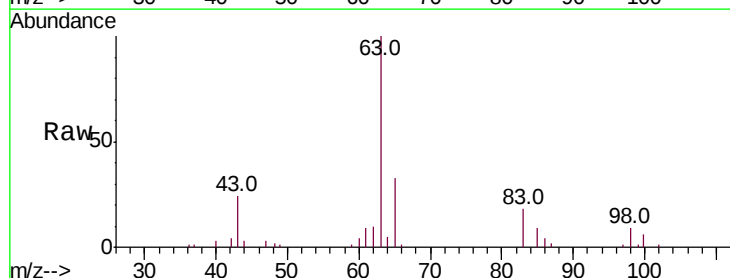
Tgt Ion: 63 Resp: 80804

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

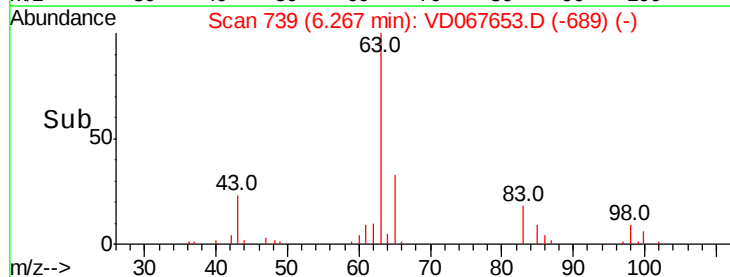
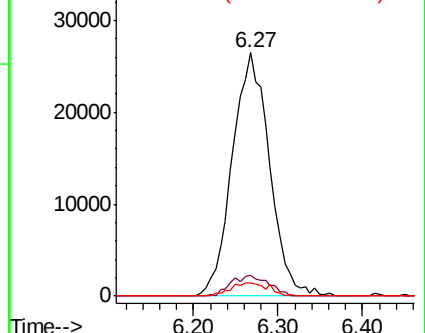
100 5.6 2.6 7.8

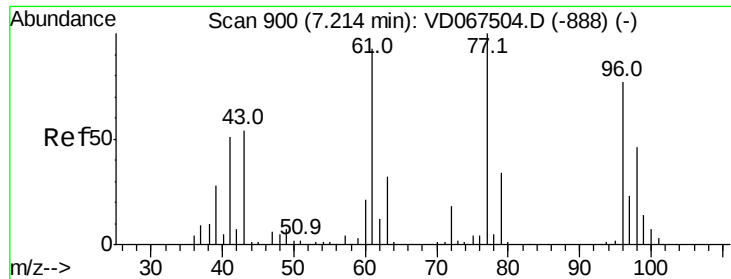


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

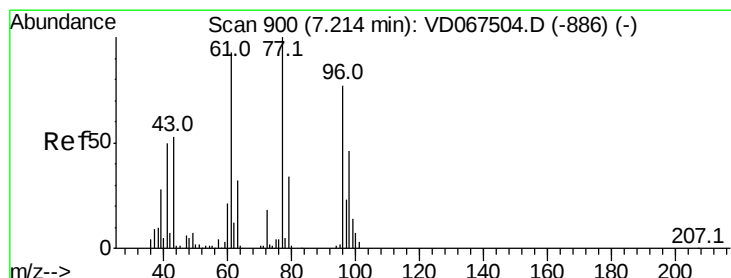
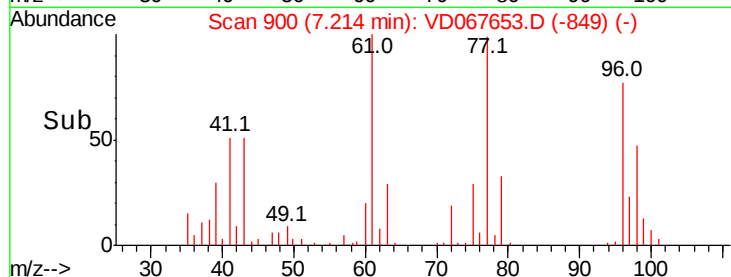
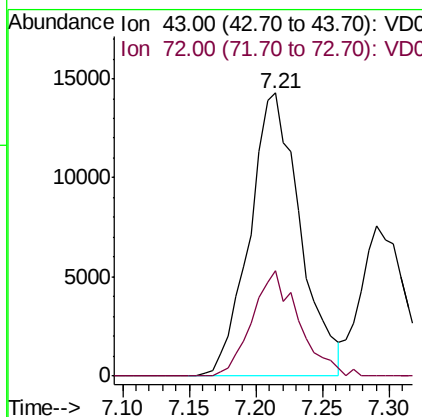
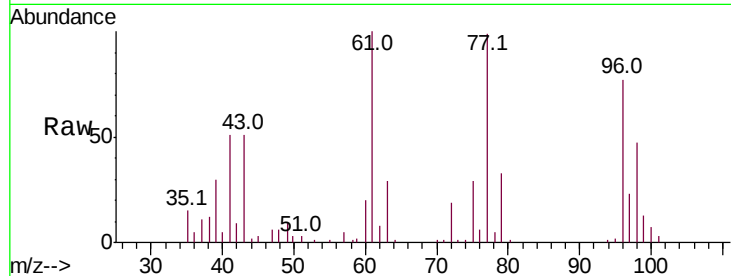




#25
2-Butanone
Concen: 94.381 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

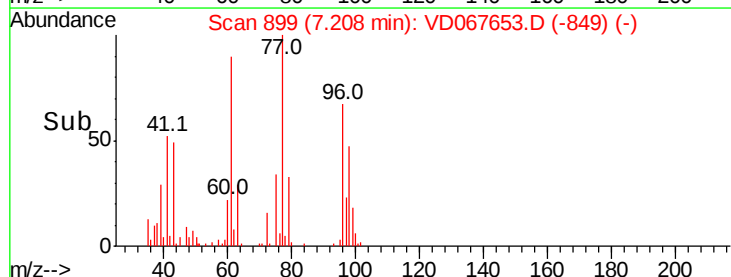
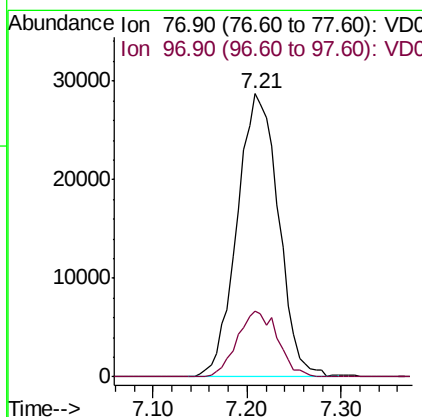
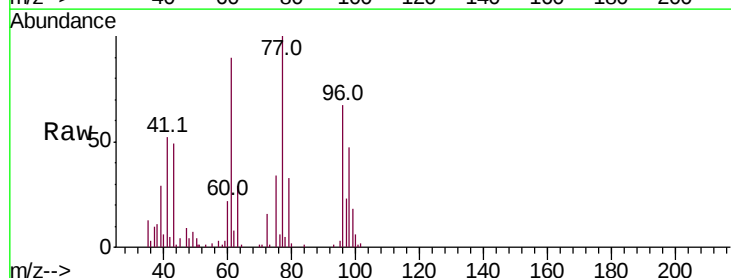
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

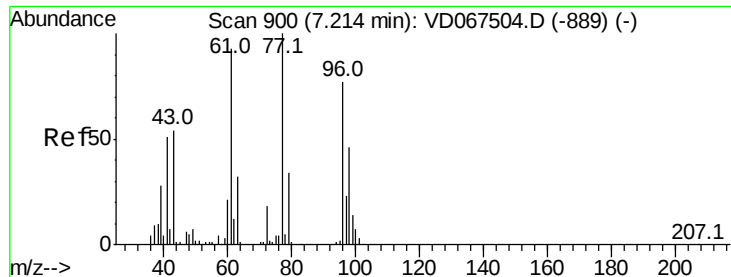
Tot Ion: 43 Resp: 37657
Ion Ratio Lower Upper
43 100
72 37.5 26.4 39.6



#26
2,2-Dichloropropane
Concen: 20.438 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 77 Resp: 87659
Ion Ratio Lower Upper
77 100
97 22.8 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.945 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

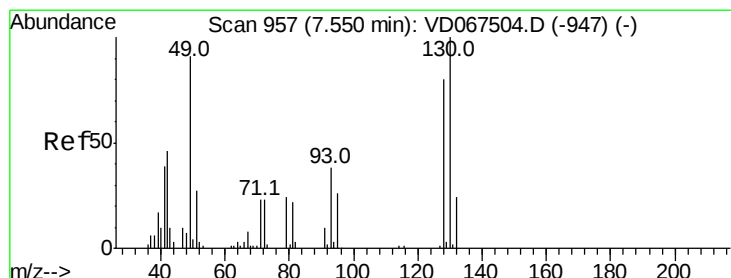
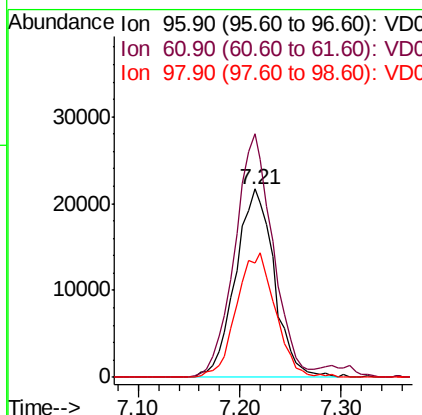
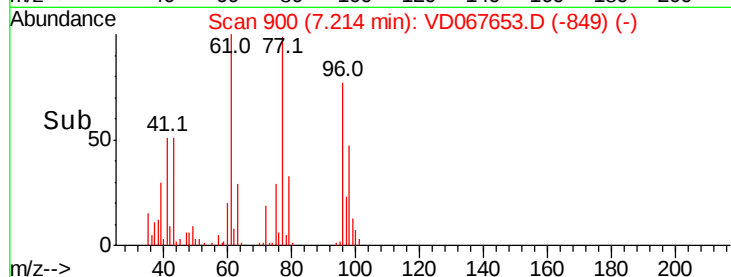
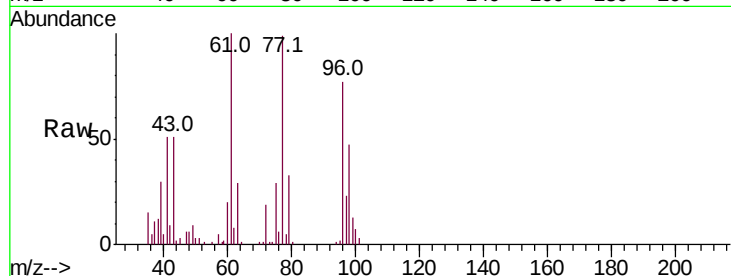
Tot Ion: 96 Resp: 57431

Ion Ratio Lower Upper

96 100

61 127.7 0.0 251.6

98 66.1 0.0 128.0



#28

Bromochloromethane

Concen: 18.496 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

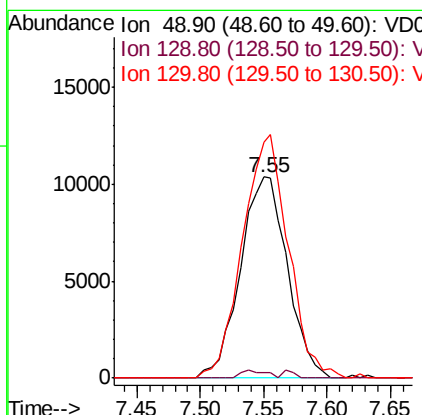
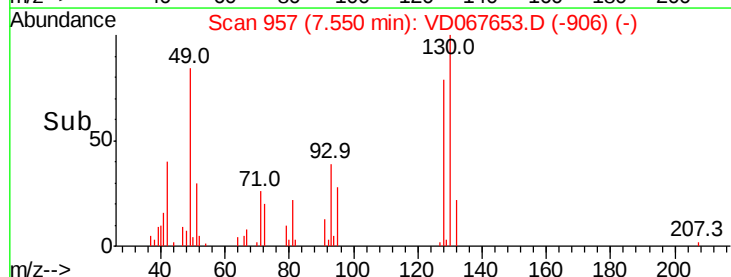
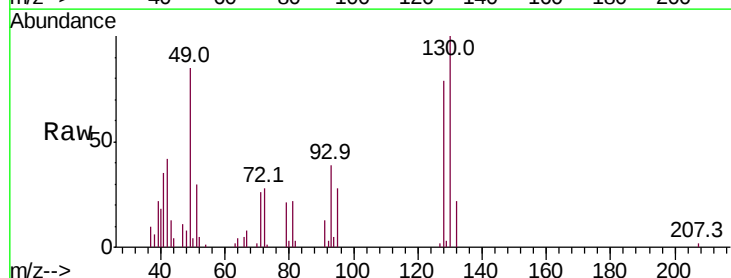
Tgt Ion: 49 Resp: 26737

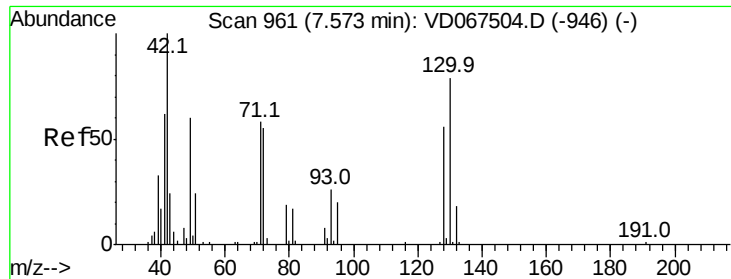
Ion Ratio Lower Upper

49 100

129 0.9 0.0 6.4

130 117.5 94.6 142.0





#29

Tetrahydrofuran

Concen: 98.922 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

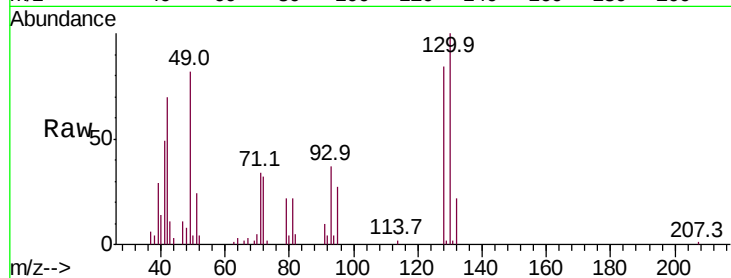
Tot Ion: 42 Resp: 23642

Ion Ratio Lower Upper

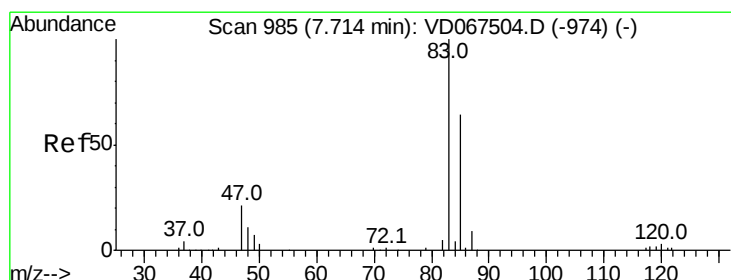
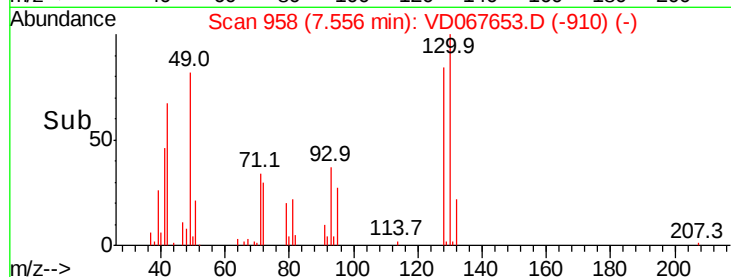
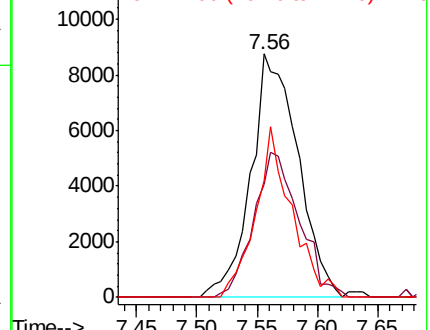
42 100

72 57.9 46.3 69.5

71 54.0 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: 20.811 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD067653.D

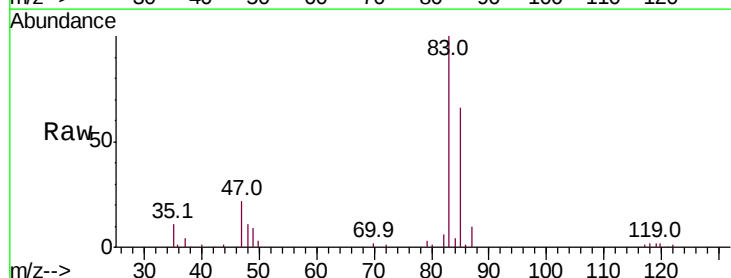
Acq: 17 Nov 2020 11:00

Tgt Ion: 83 Resp: 100897

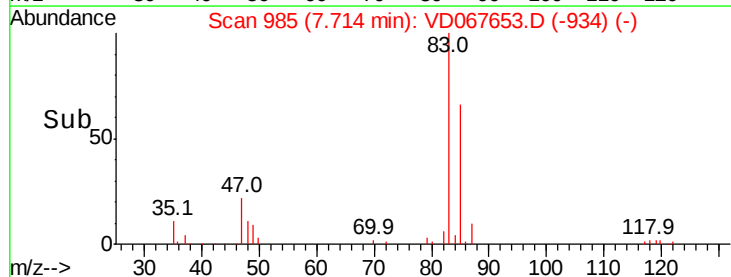
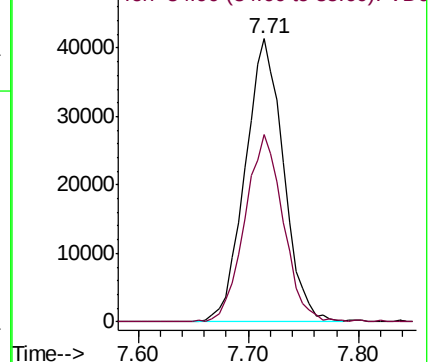
Ion Ratio Lower Upper

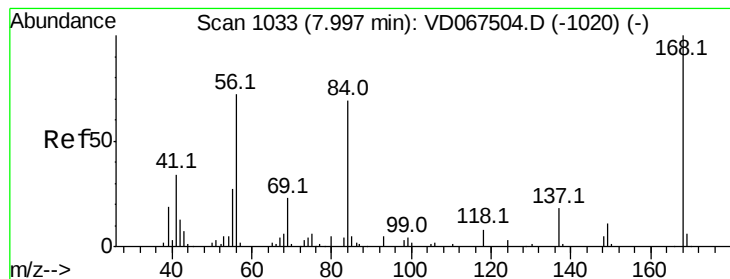
83 100

85 66.1 51.5 77.3



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





#31

Cyclohexane

Concen: 18.902 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

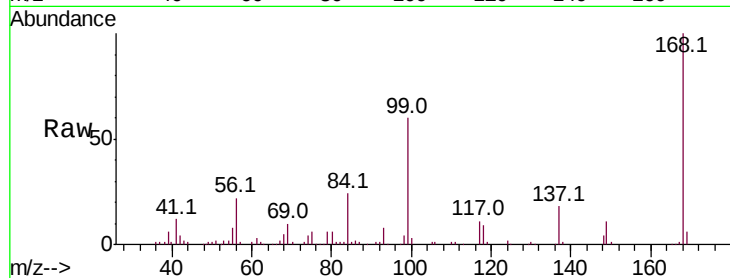
Tot Ion: 56 Resp: 68409

Ion Ratio Lower Upper

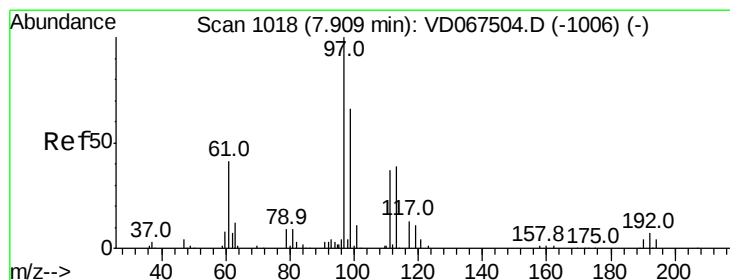
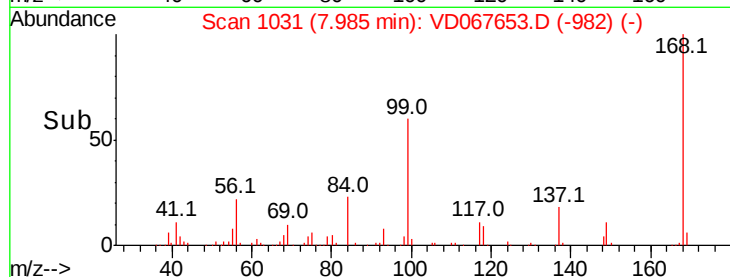
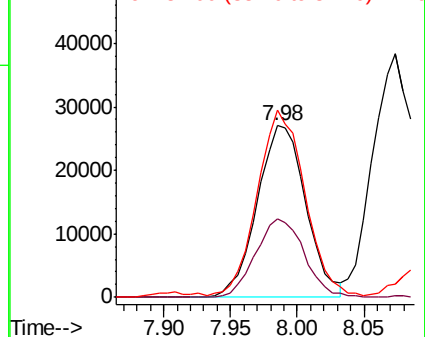
56 100

69 46.1 25.9 38.9#

84 107.2 76.2 114.4



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



#32

1,1,1-Trichloroethane

Concen: 20.589 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

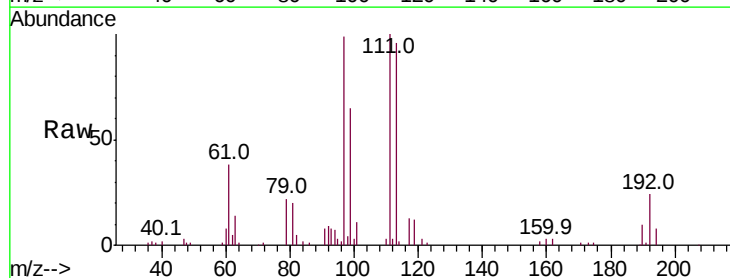
Tgt Ion: 97 Resp: 102994

Ion Ratio Lower Upper

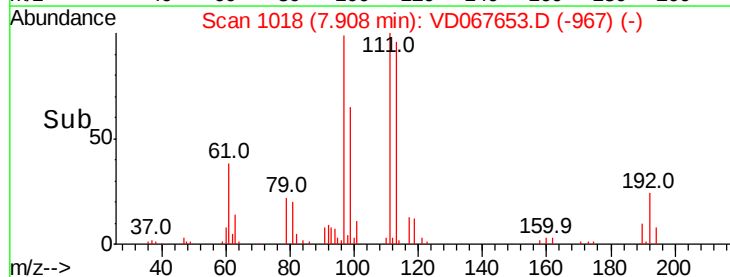
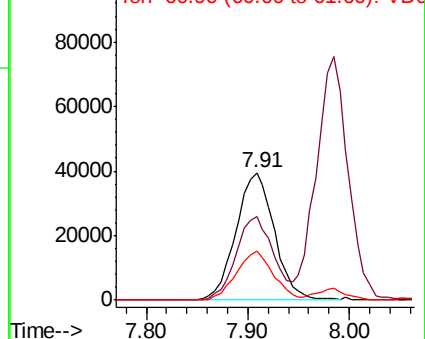
97 100

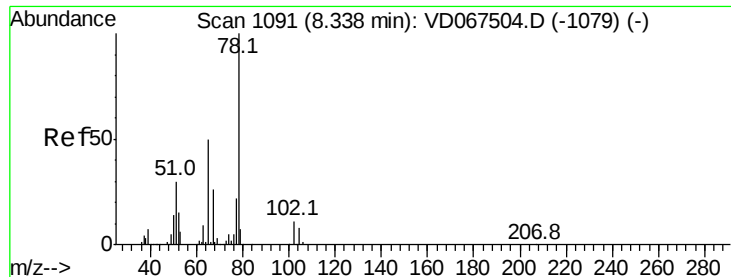
99 64.7 51.8 77.6

61 37.1 30.5 45.7



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





#33

1,2-Dichloroethane-d4

Concen: 46.942 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

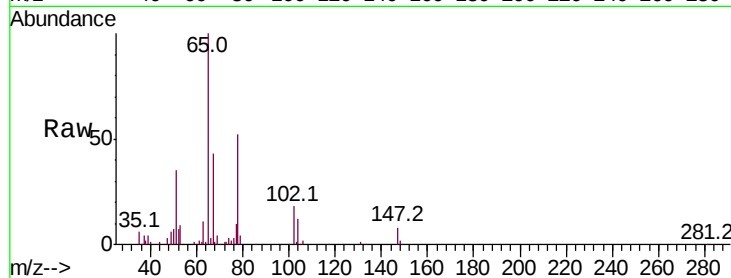
VD1117SBS01

Tot Ion: 65 Resp: 117133

Ion Ratio Lower Upper

65 100

67 47.8 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

60000

50000

40000

30000

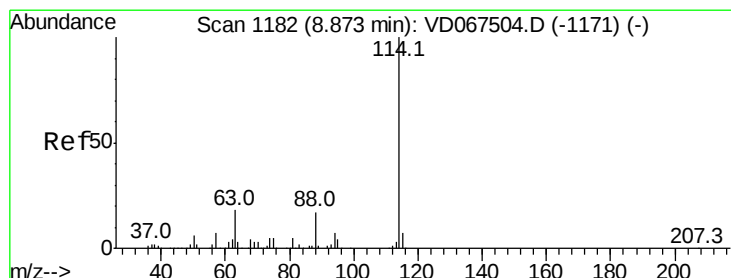
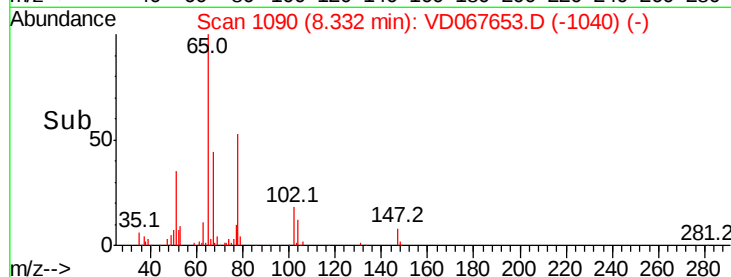
20000

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: VD067653.D

Acq: 17 Nov 2020 11:00

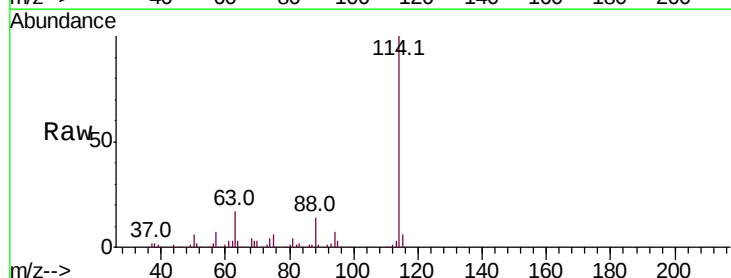
Tgt Ion: 114 Resp: 403828

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 14.4 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

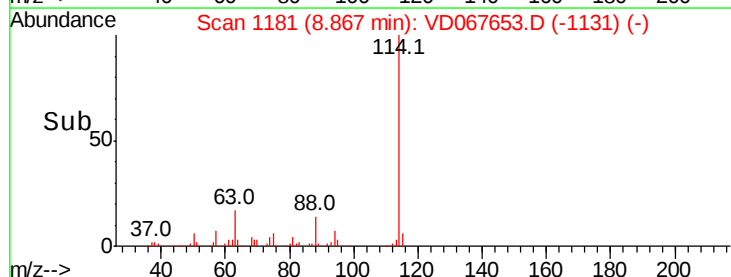
100000

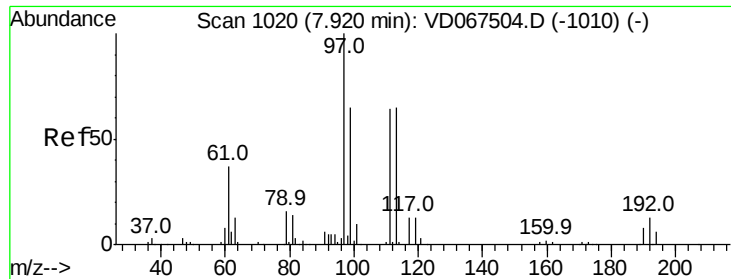
50000

0

8.80 8.85 8.90 8.95

Time-->

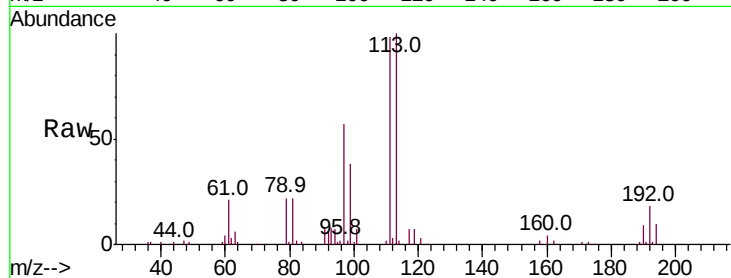




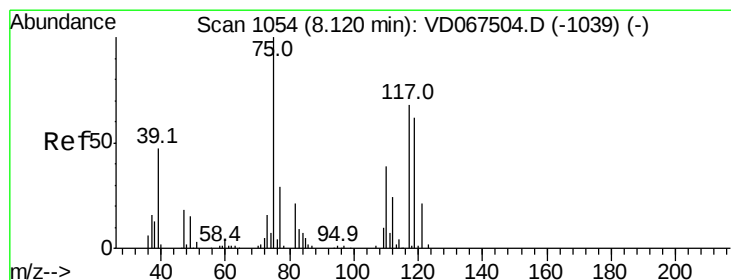
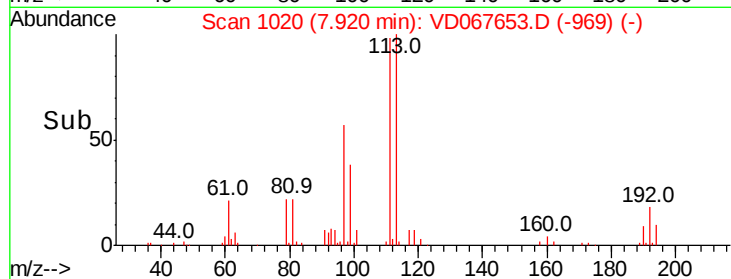
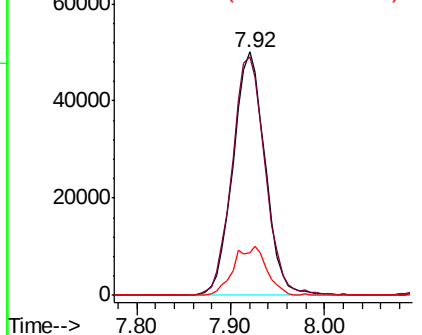
#35
 Dibromofluoromethane
 Concen: 48.710 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.0	120.0
192	20.6	16.3	24.5

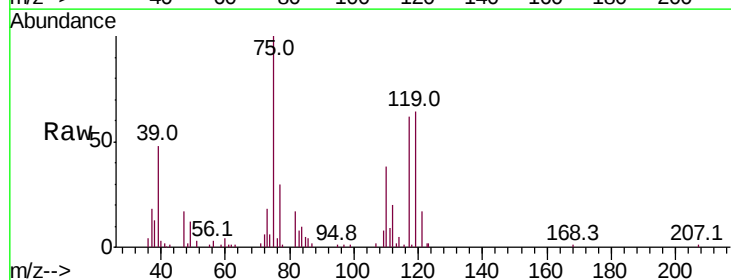


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

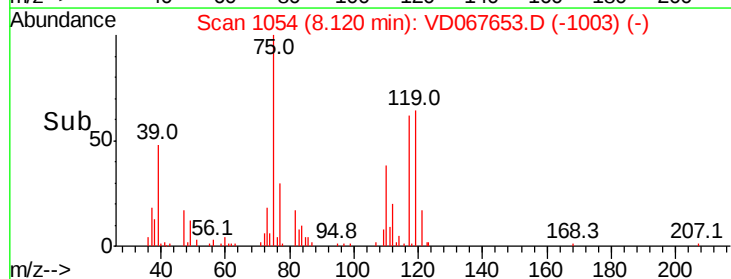
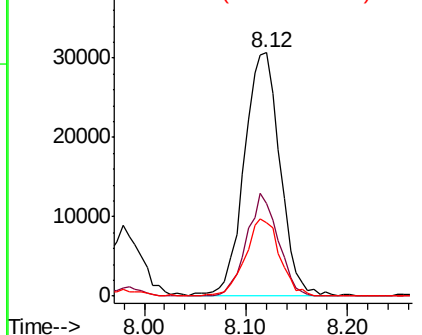


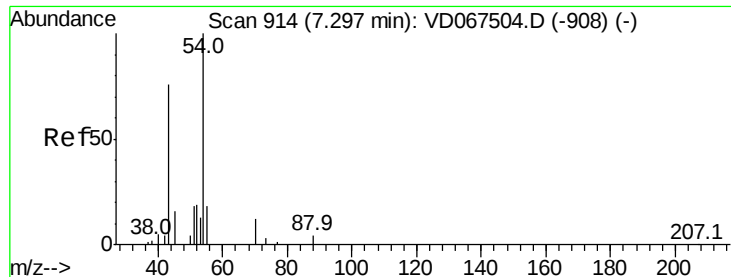
#36
 1,1-Dichloropropene
 Concen: 21.770 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	19.9	59.7
77	30.5	24.8	37.2



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

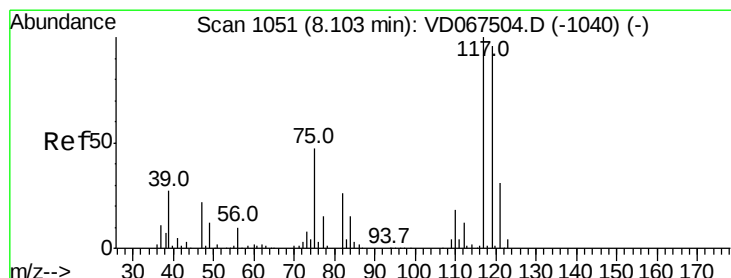
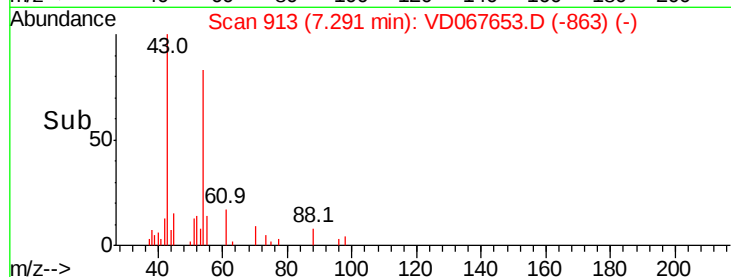
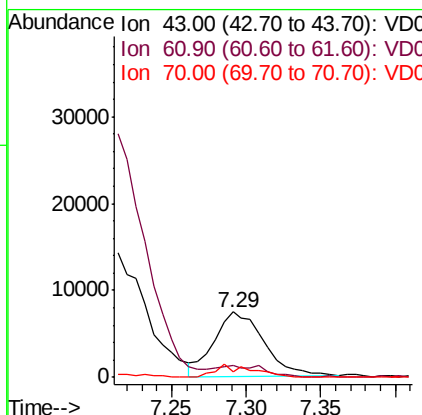
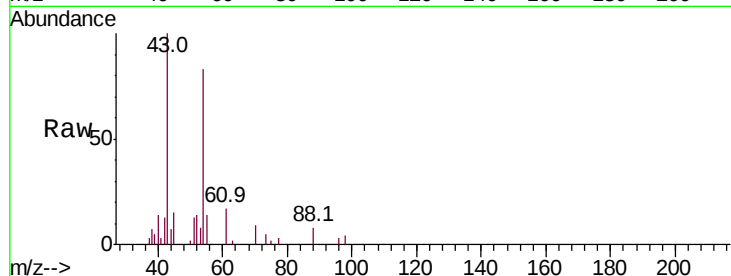




#37
Ethyl Acetate
Concen: 19.022 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

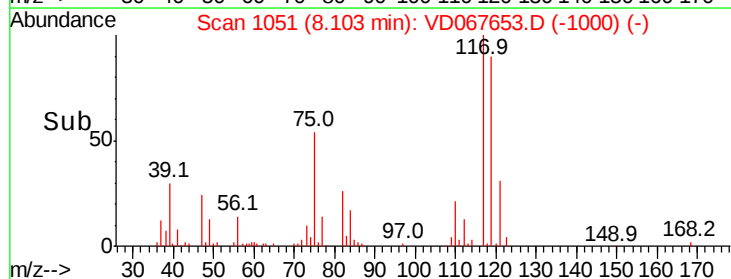
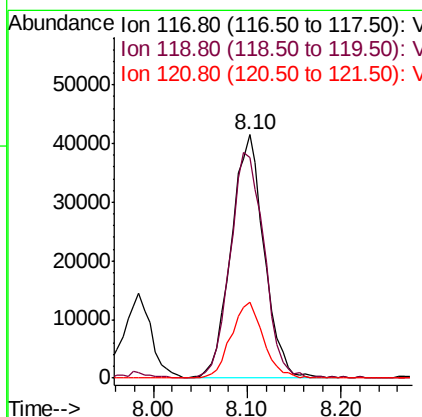
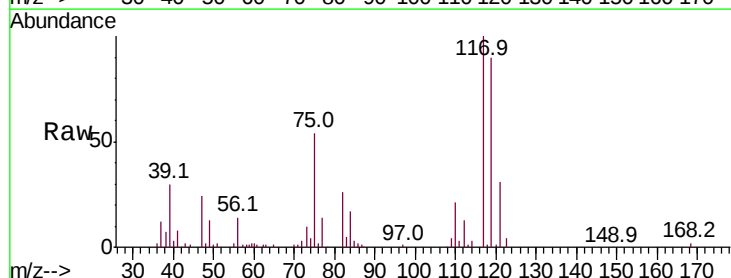
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

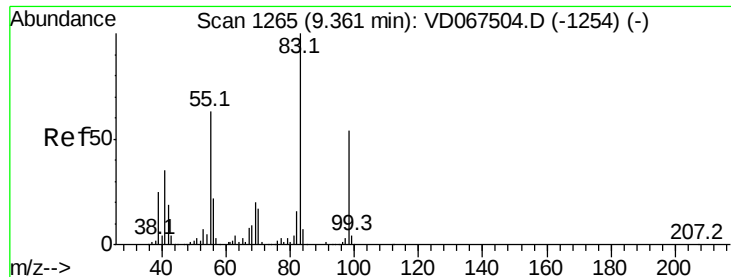
Tot Ion: 43 Resp: 17071
Ion Ratio Lower Upper
43 100
61 17.4 12.8 19.2
70 15.2 11.7 17.5



#38
Carbon Tetrachloride
Concen: 22.538 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 117 Resp: 101224
Ion Ratio Lower Upper
117 100
119 90.5 76.9 115.3
121 31.3 24.5 36.7

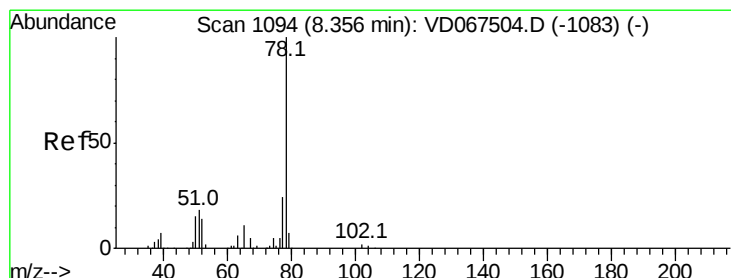
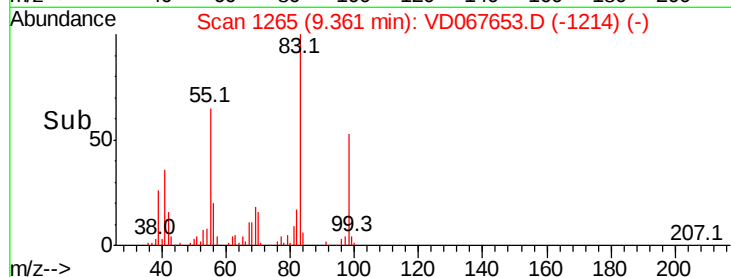
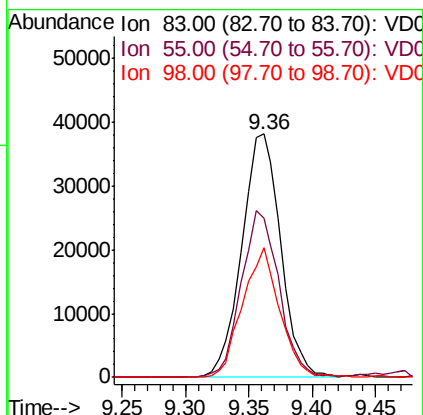
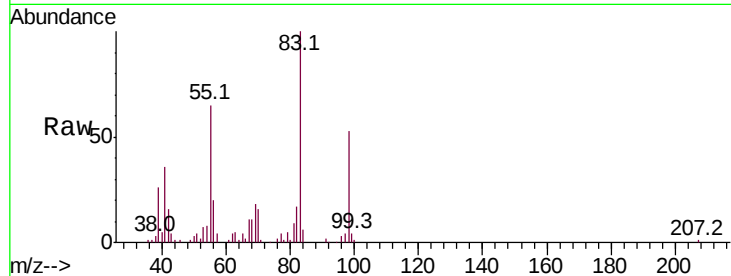




#39
Methvlcvclohexane
Concen: 20.095 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

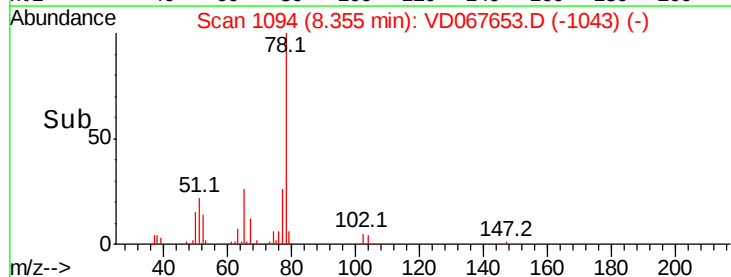
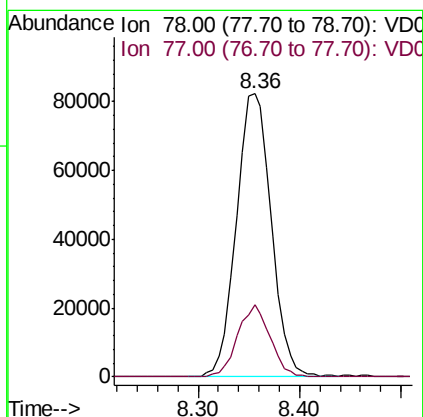
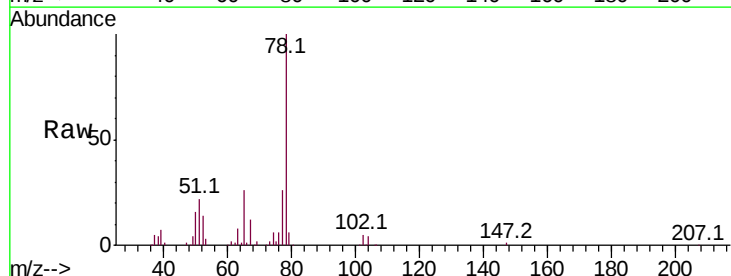
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

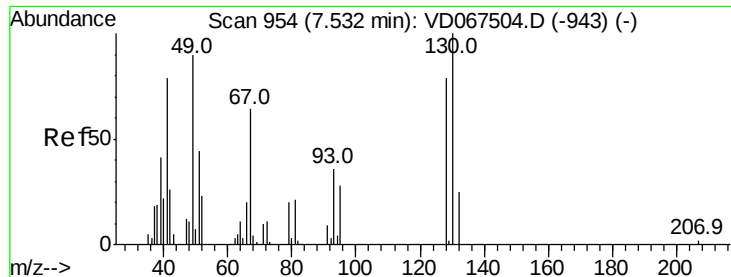
Tot Ion	83	Resp	81755
Ion Ratio	100		
Lower	50.5		
Upper	75.7		
83	65.4		
55	53.1		
98	43.4		



#40
Benzene
Concen: 21.027 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	78	Resp	196887
Ion Ratio	100		
Lower	19.1		
Upper	28.7		
78	25.5		
77			





#41

Methacrylonitrile

Concen: 26.000 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 41 Resp: 13947

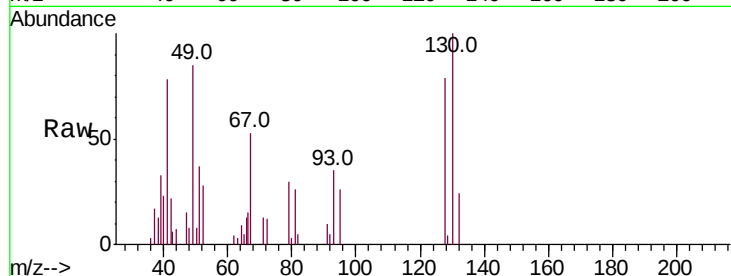
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 73.3 78.9 118.3#

52 31.7 31.4 47.2

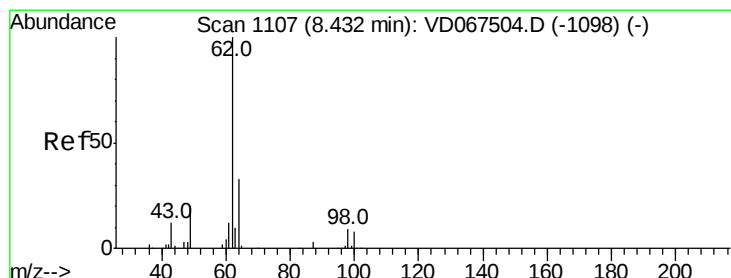
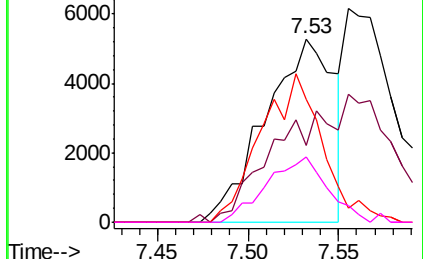
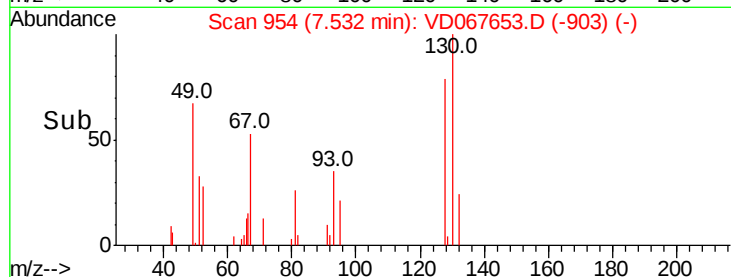


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.449 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067653.D

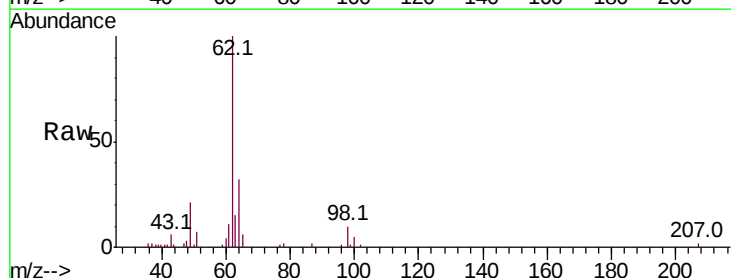
Acq: 17 Nov 2020 11:00

Tgt Ion: 62 Resp: 62051

Ion Ratio Lower Upper

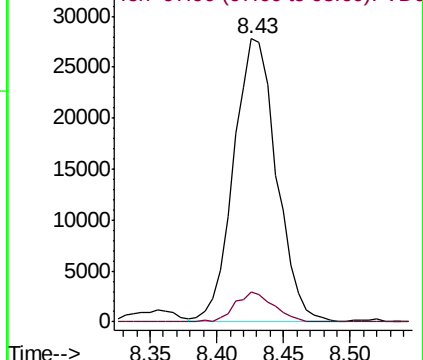
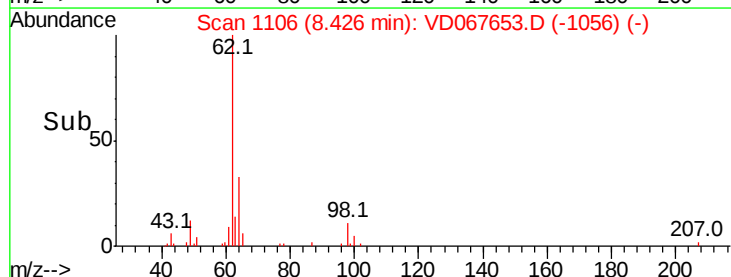
62 100

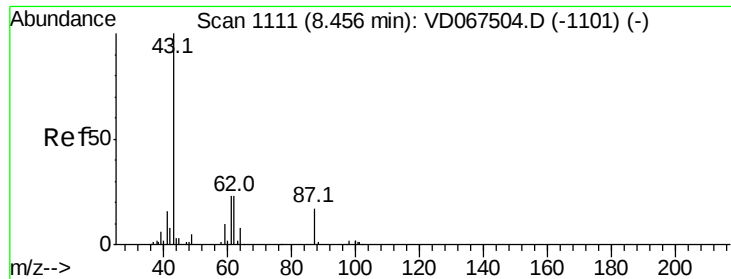
98 9.5 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.906 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

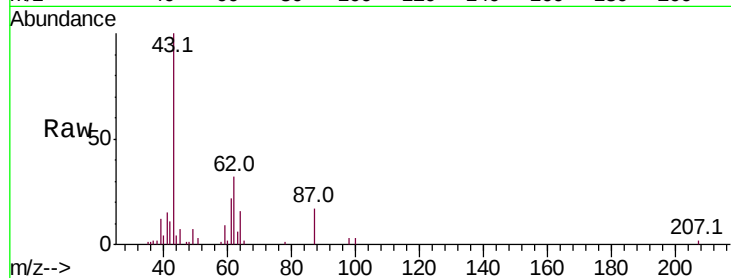
Tot Ion: 43 Resp: 35330

Ion Ratio Lower Upper

43 100

61 41.7 30.5 45.7

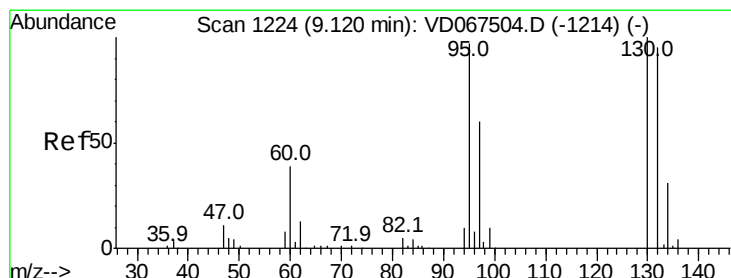
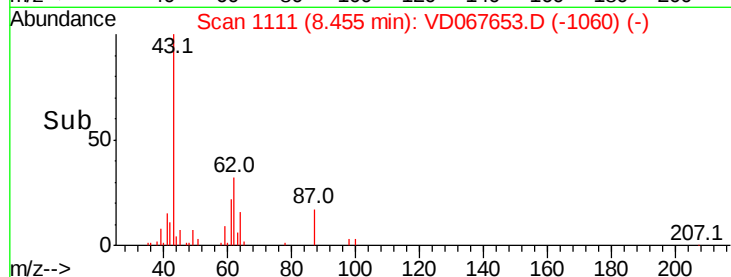
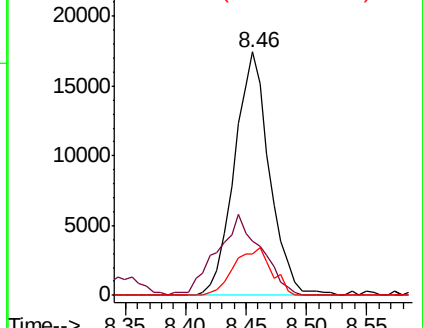
87 20.8 14.7 22.1



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: 20.541 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067653.D

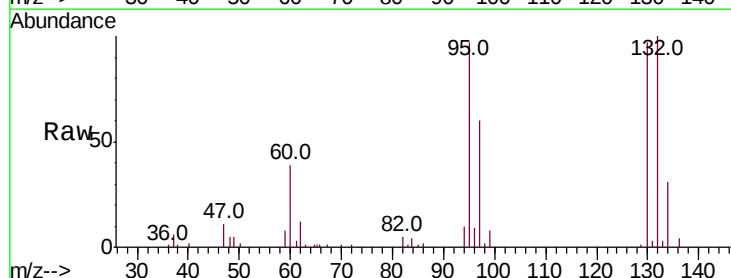
Acq: 17 Nov 2020 11:00

Tgt Ion:130 Resp: 63241

Ion Ratio Lower Upper

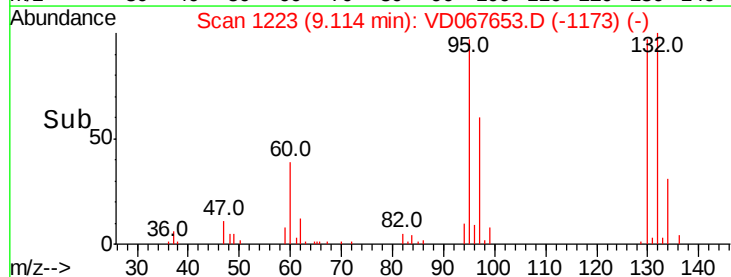
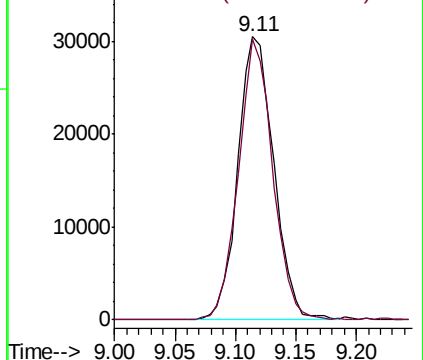
130 100

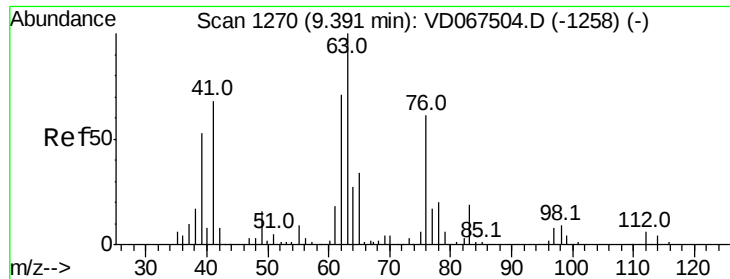
95 99.3 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

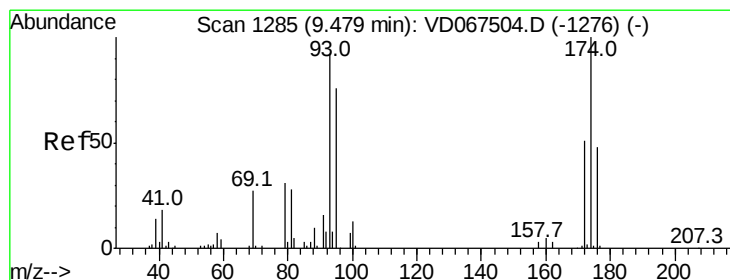
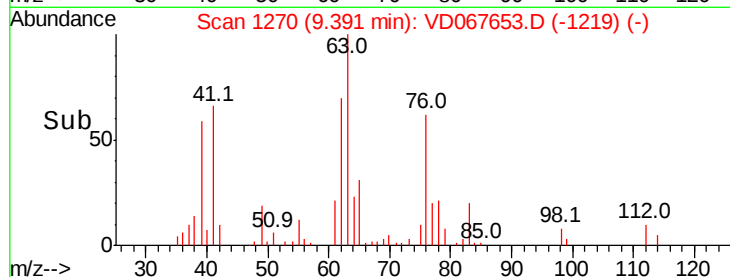
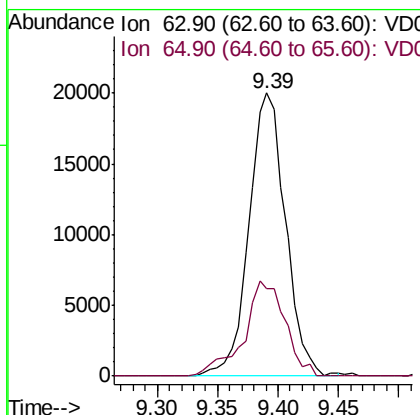
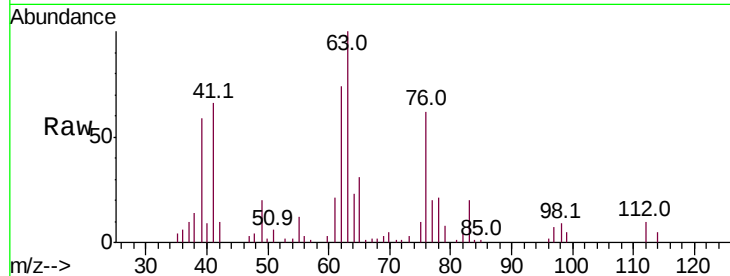




#45
 1,2-Dichloropropane
 Concen: 20.930 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

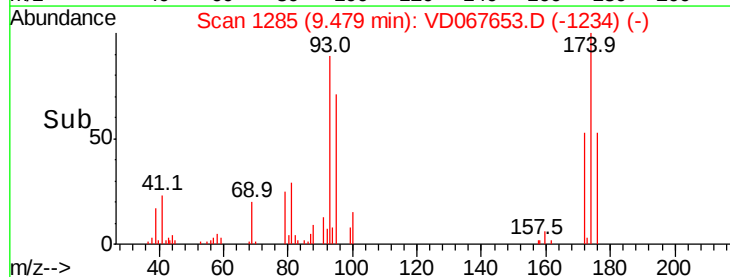
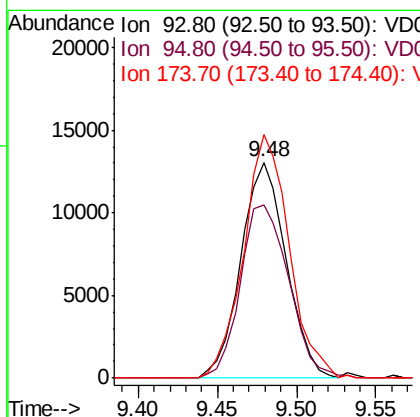
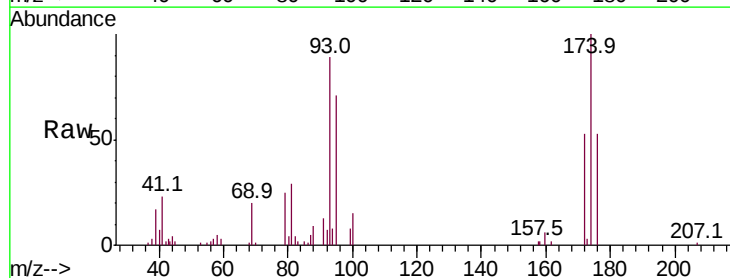
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

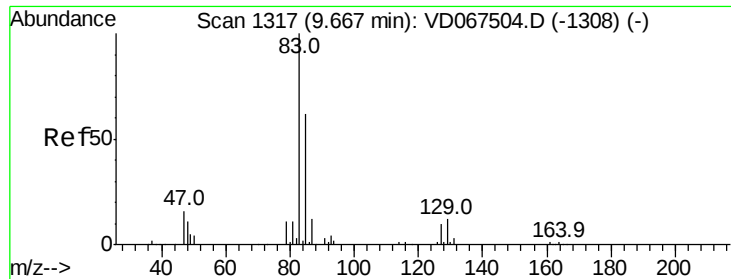
Tot Ion: 63 Resp: 42371
 Ion Ratio Lower Upper
 63 100
 65 30.8 26.9 40.3



#46
 Dibromomethane
 Concen: 20.154 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion: 93 Resp: 25942
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.4 99.6
 174 113.3 88.2 132.4





#47

Bromodichloromethane

Concen: 21.745 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

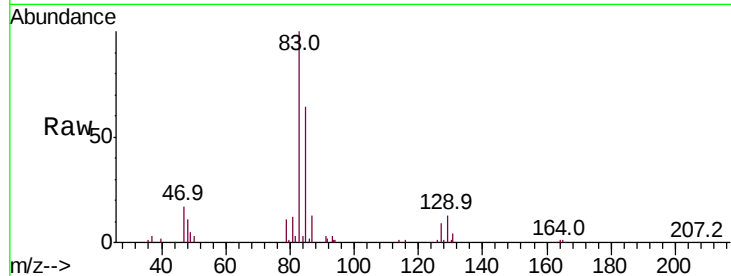
Tot Ion: 83 Resp: 76076

Ion Ratio Lower Upper

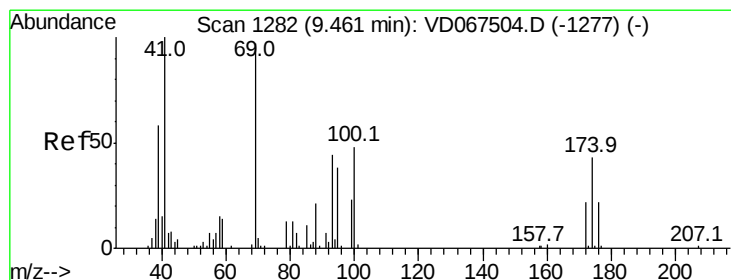
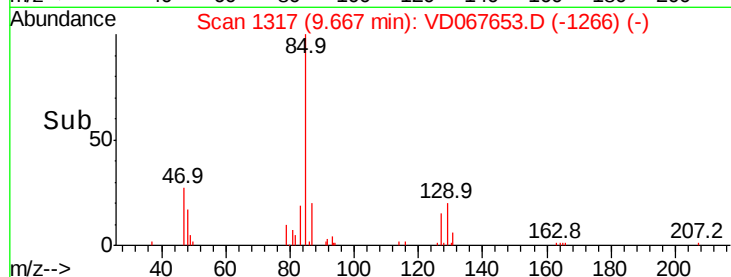
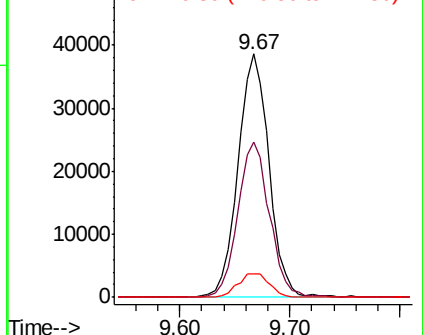
83 100

85 63.8 49.4 74.2

127 9.5 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: 19.471 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

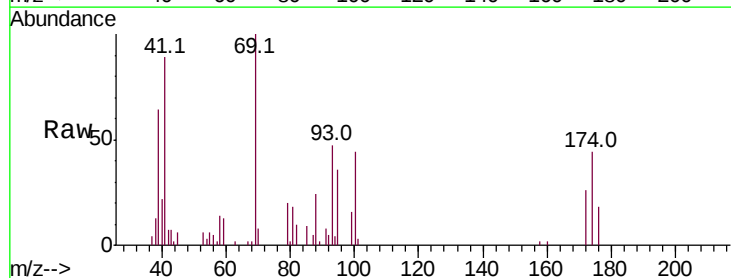
Tgt Ion: 41 Resp: 17843

Ion Ratio Lower Upper

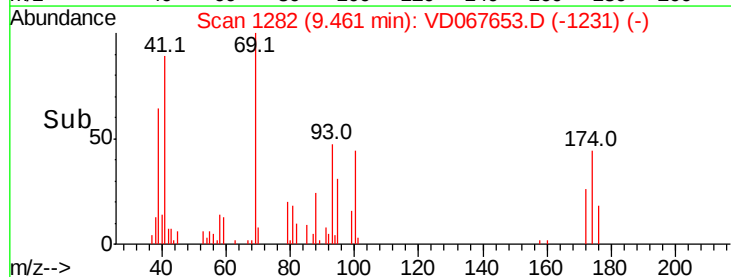
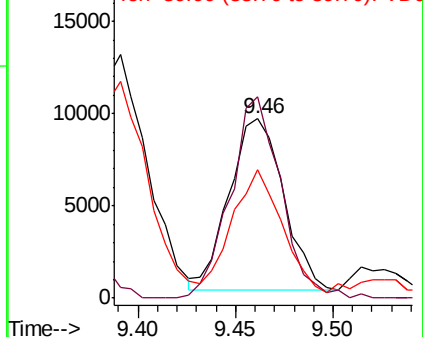
41 100

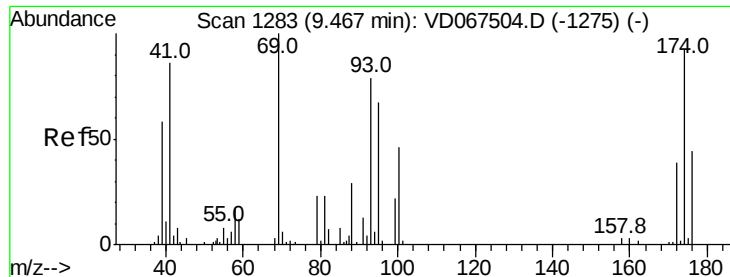
69 110.0 80.6 121.0

39 65.1 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: 398.174 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

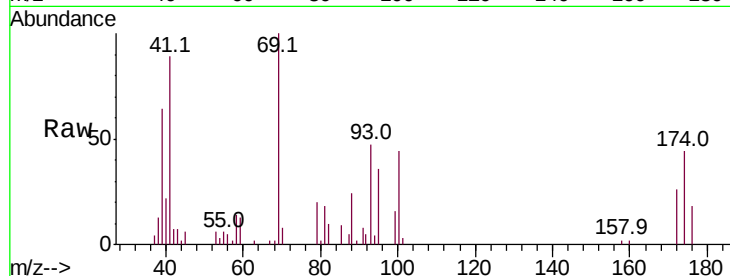
Tot Ion: 88 Resp: 5203

Ion Ratio Lower Upper

88 100

43 23.9 23.6 35.4

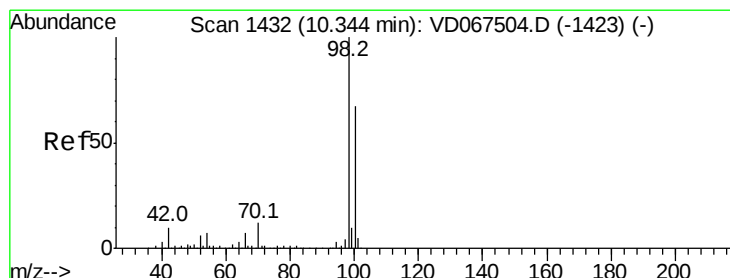
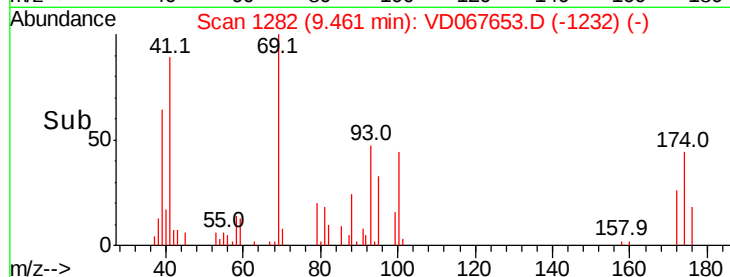
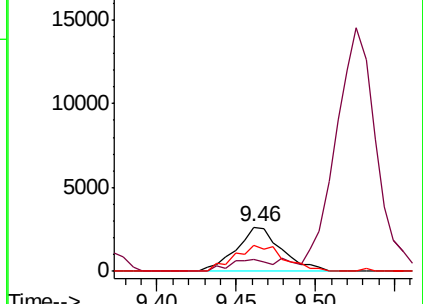
58 64.3 44.7 67.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 47.460 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067653.D

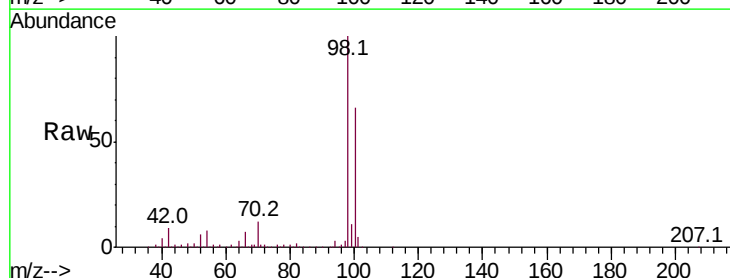
Acq: 17 Nov 2020 11:00

Tgt Ion: 98 Resp: 405802

Ion Ratio Lower Upper

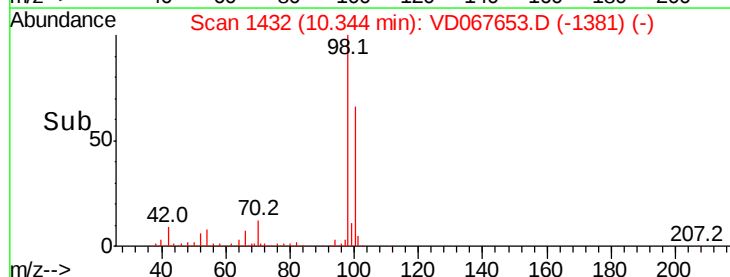
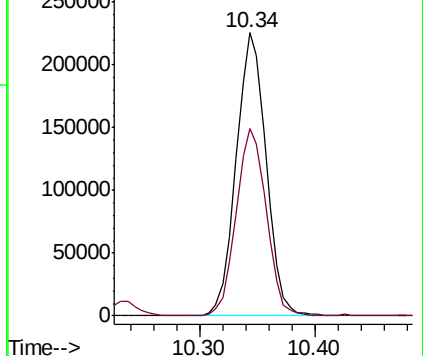
98 100

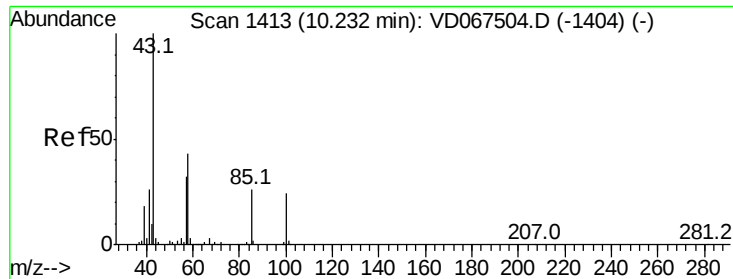
100 66.8 53.0 79.6



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: 106.068 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

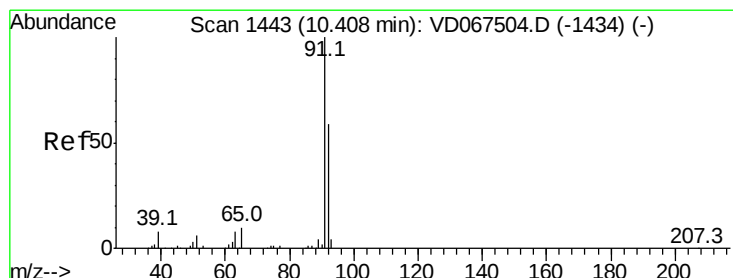
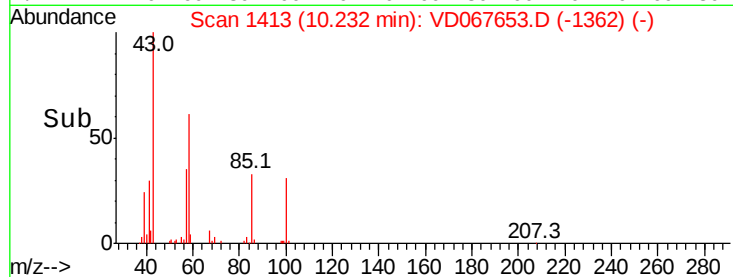
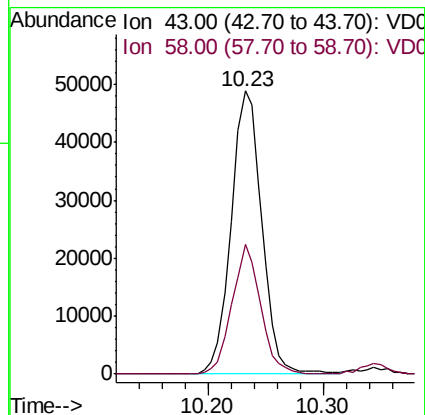
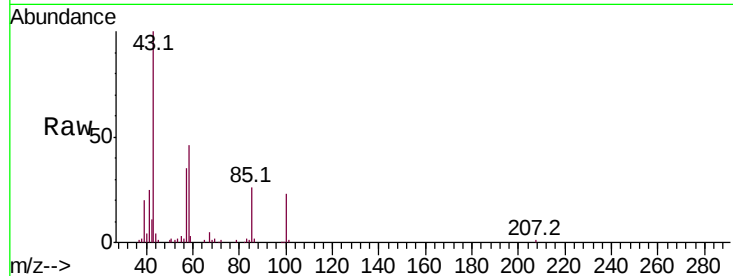
VD1117SBS01

Tot Ion: 43 Resp: 90032

Ion Ratio Lower Upper

43 100

58 42.7 35.6 53.4



#52

Toluene

Concen: 22.089 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067653.D

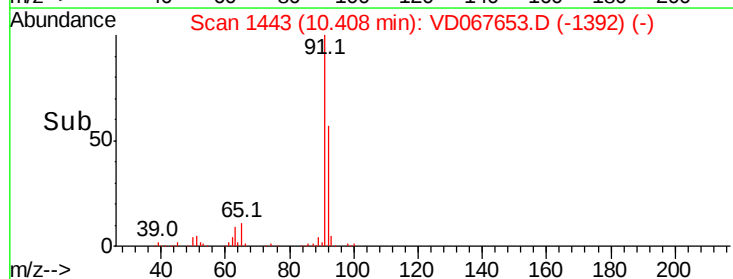
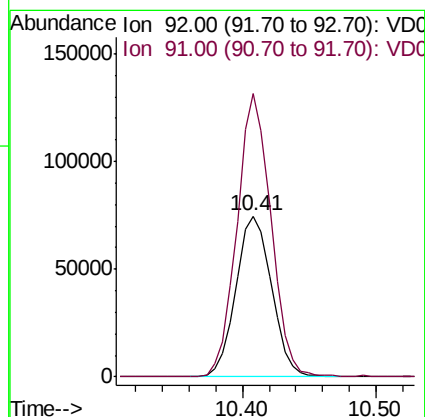
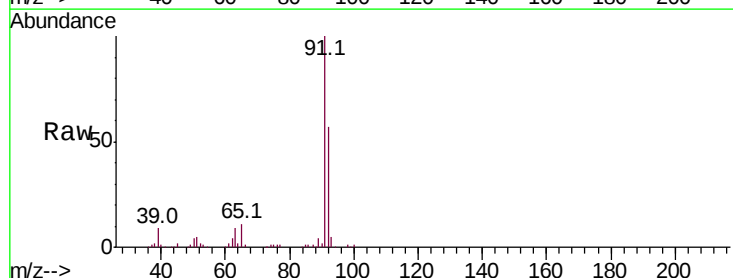
Acq: 17 Nov 2020 11:00

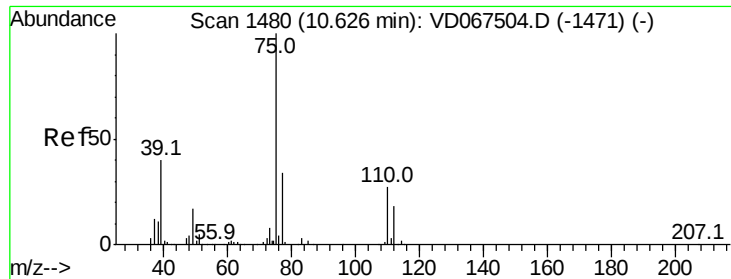
Tgt Ion: 92 Resp: 138536

Ion Ratio Lower Upper

92 100

91 167.7 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 21.467 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

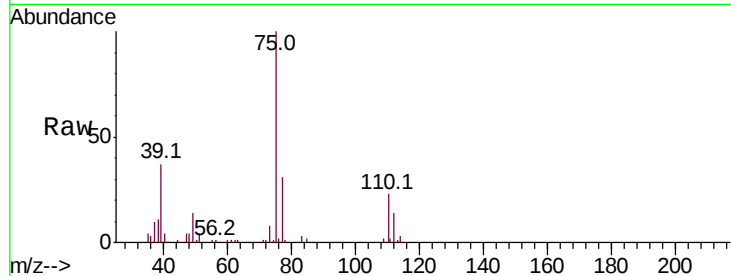
VD1117SBS01

Tot Ion: 75 Resp: 64324

Ion Ratio Lower Upper

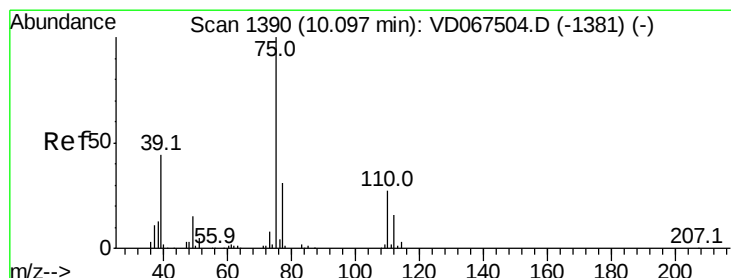
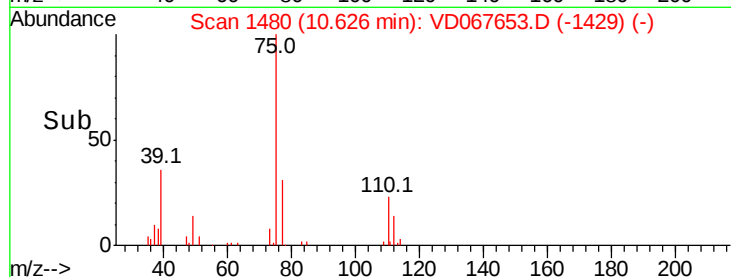
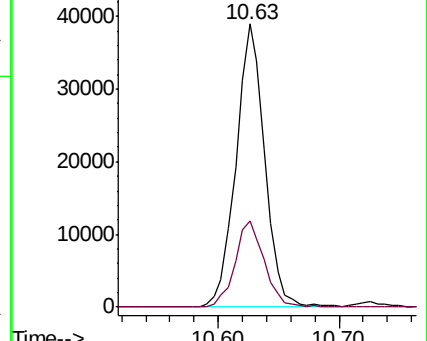
75 100

77 30.5 27.0 40.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.828 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

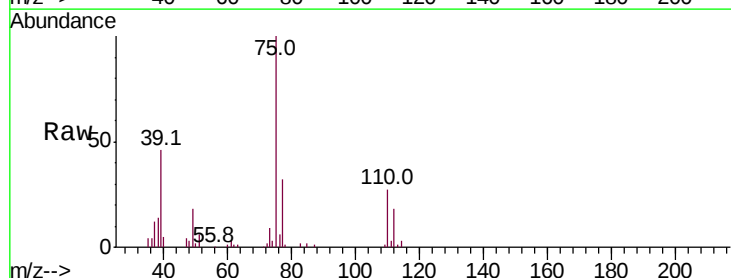
Tgt Ion: 75 Resp: 74147

Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6

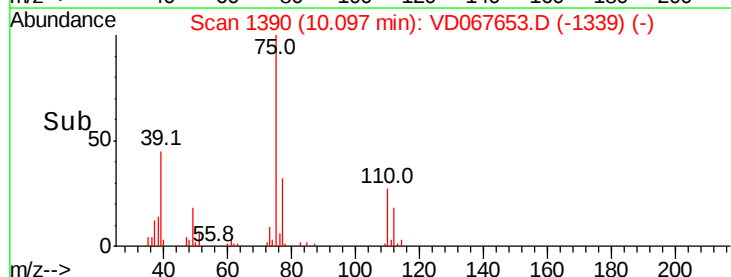
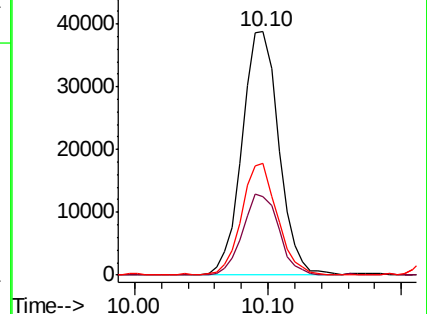
39 45.8 35.6 53.4

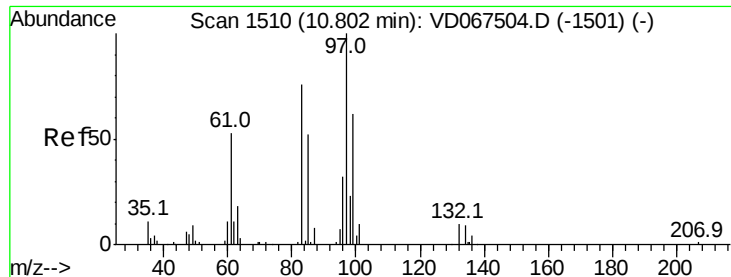


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

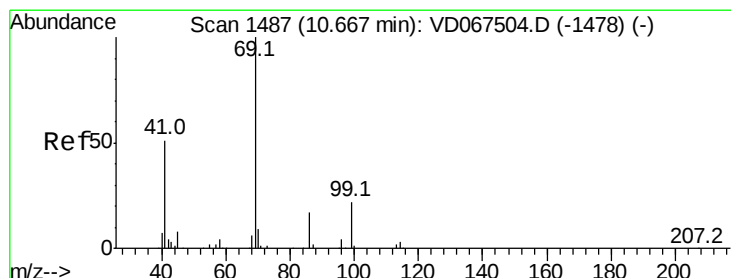
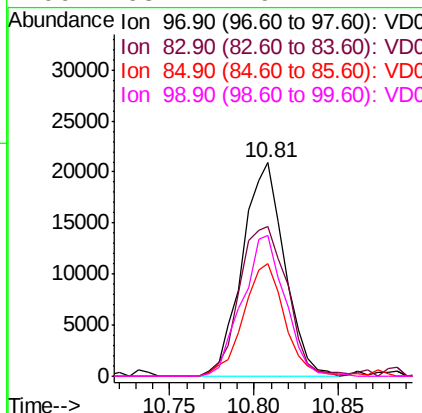
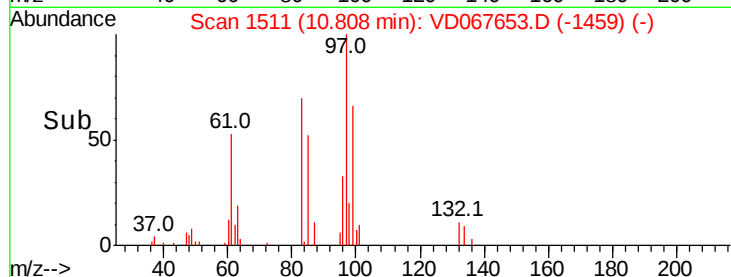
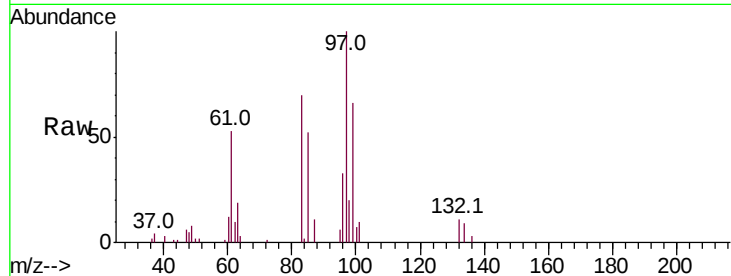




#55
 1,1,2-Trichloroethane
 Concen: 21.391 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

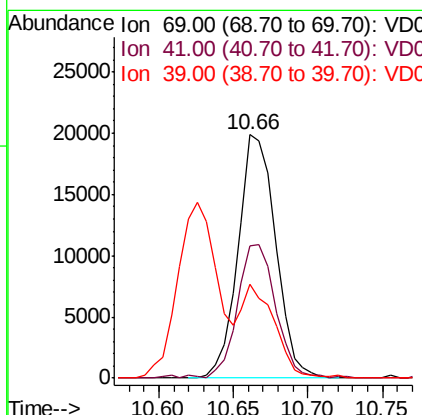
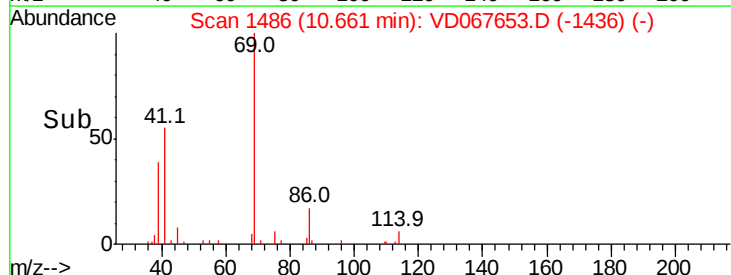
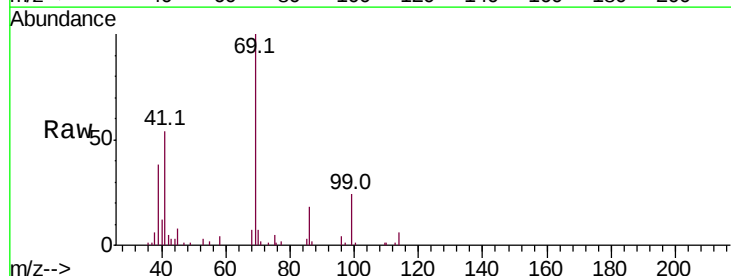
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

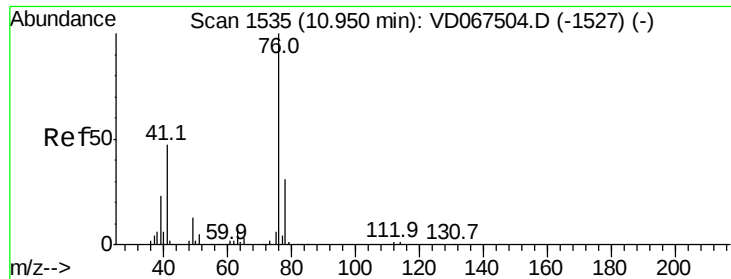
Tot Ion: 97 Resp: 36431
 Ion Ratio Lower Upper
 97 100
 83 70.0 61.0 91.6
 85 52.5 41.5 62.3
 99 65.7 49.4 74.2



#56
 Ethyl methacrylate
 Concen: 19.682 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion: 69 Resp: 34615
 Ion Ratio Lower Upper
 69 100
 41 56.2 45.4 68.0
 39 34.6 27.4 41.0





#57

1,3-Dichloropropane

Concen: 21.317 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

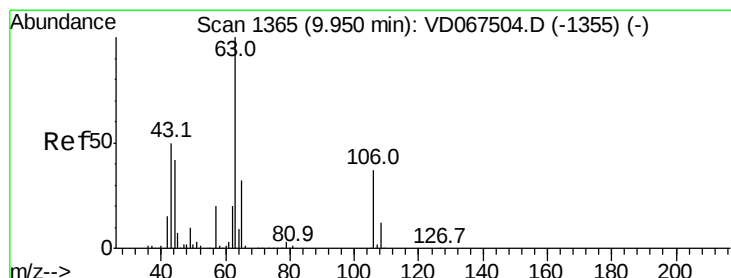
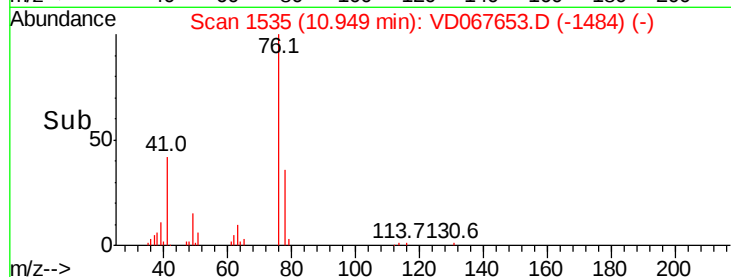
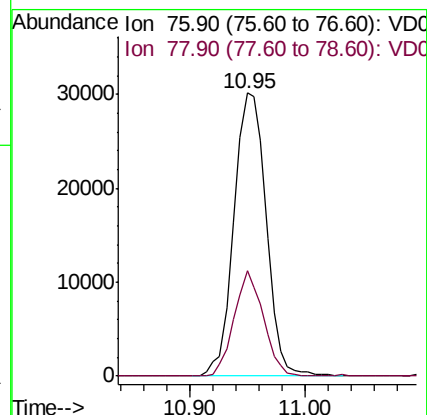
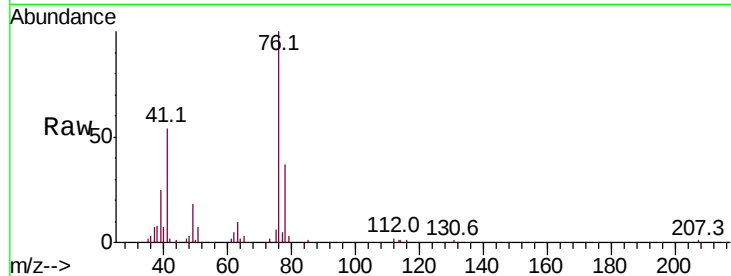
VD1117SBS01

Tot Ion: 76 Resp: 58422

Ion Ratio Lower Upper

76 100

78 33.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 105.724 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067653.D

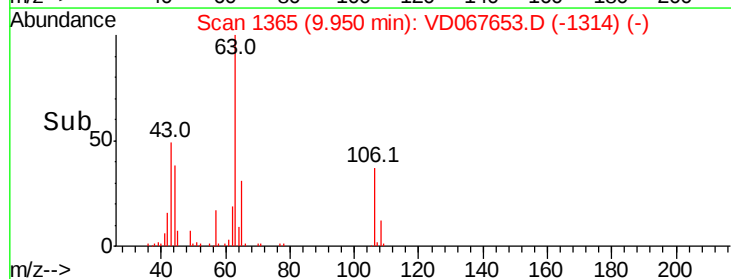
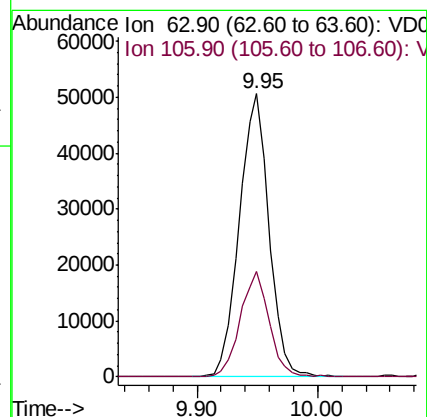
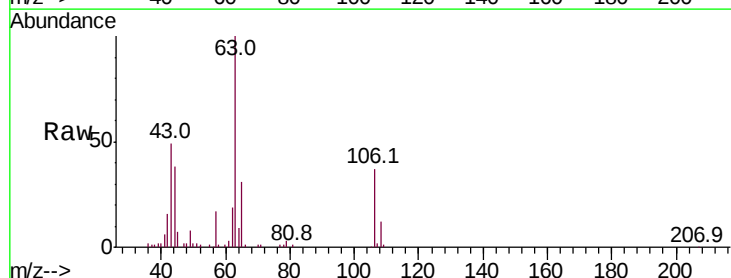
Acq: 17 Nov 2020 11:00

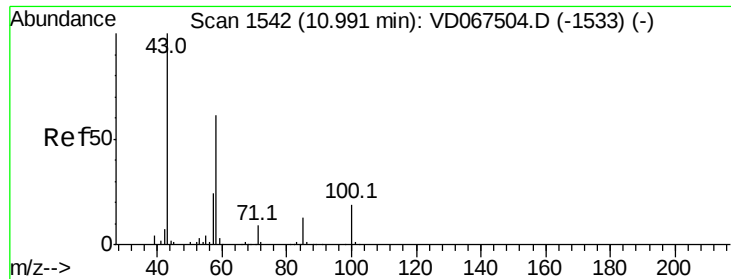
Tgt Ion: 63 Resp: 86710

Ion Ratio Lower Upper

63 100

106 35.9 29.2 43.8

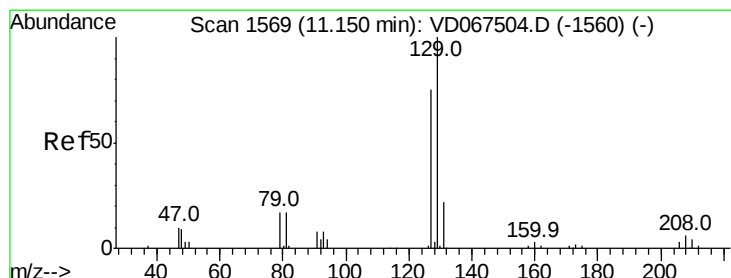
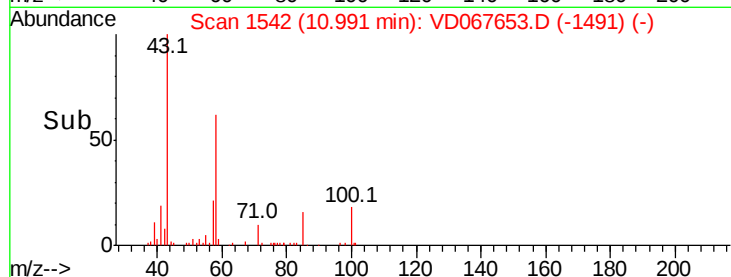
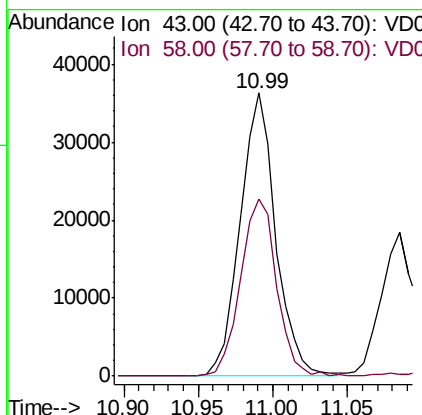
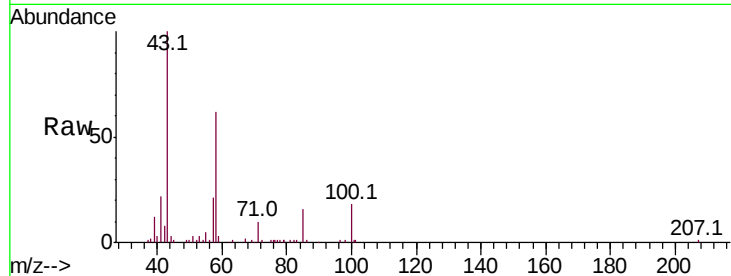




#59
2-Hexanone
Concen: 100.930 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

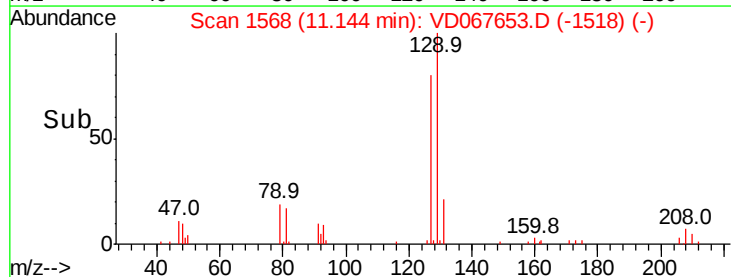
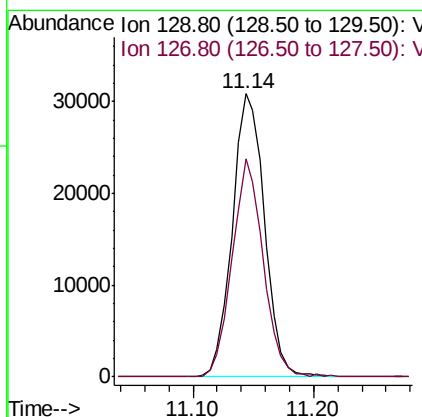
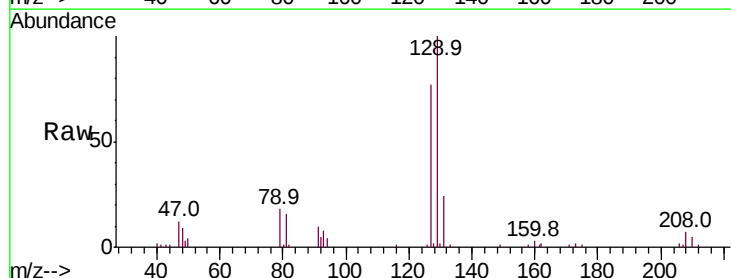
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

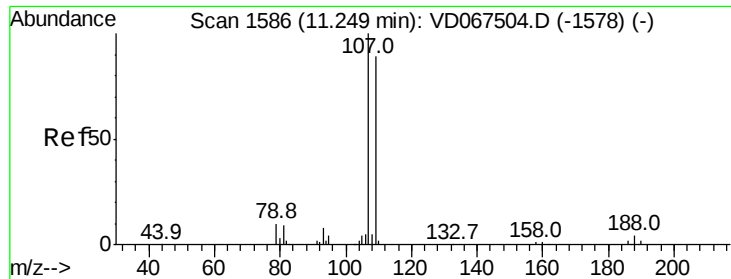
Tot Ion: 43 Resp: 59901
Ion Ratio Lower Upper
43 100
58 63.2 30.3 90.9



#60
Dibromochloromethane
Concen: 22.709 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion:129 Resp: 57213
Ion Ratio Lower Upper
129 100
127 74.4 38.0 114.1

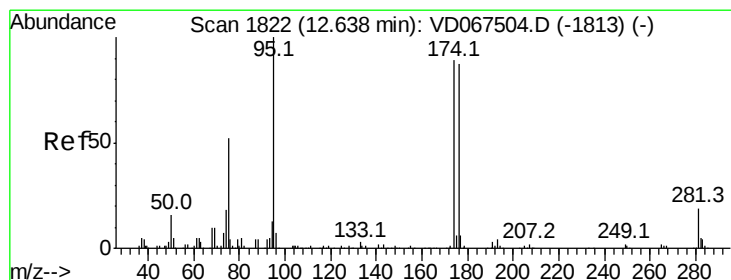
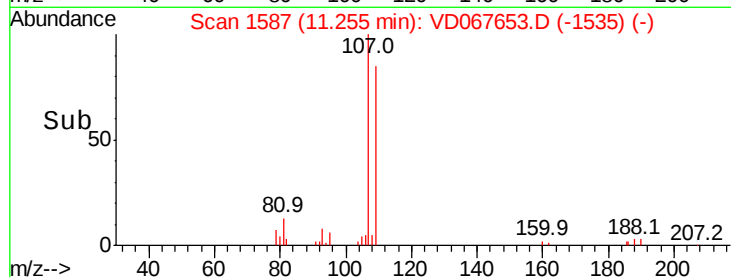
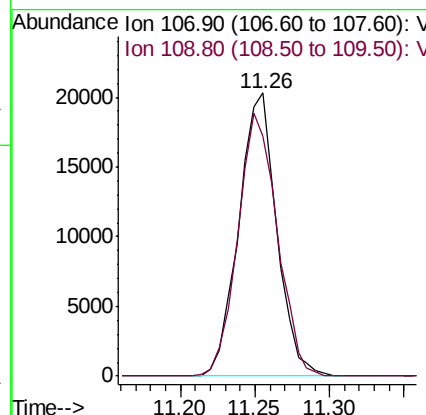
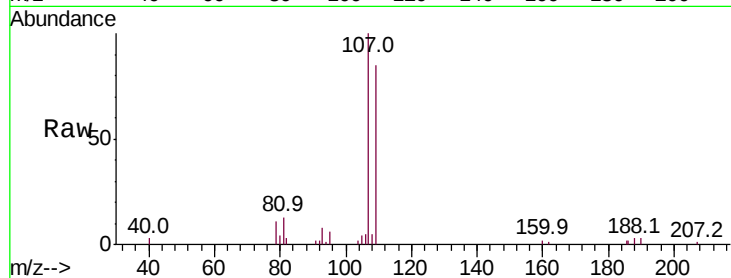




#61
 1,2-Dibromoethane
 Concen: 20.950 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

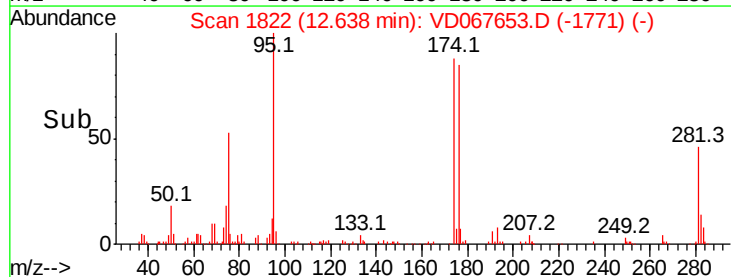
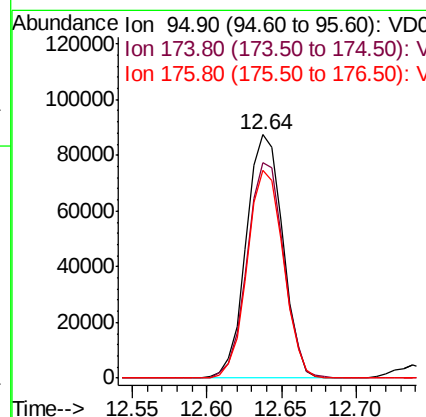
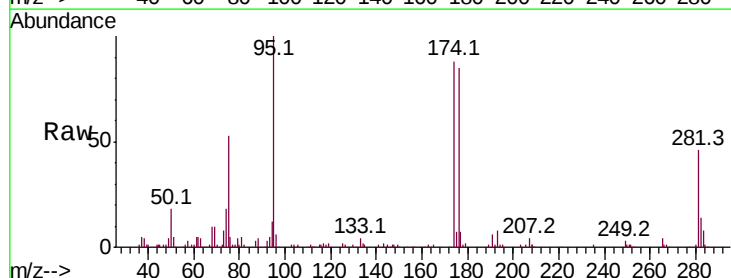
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

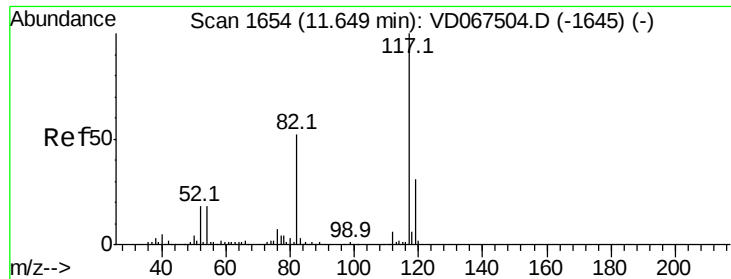
Tot Ion:107 Resp: 35810
 Ion Ratio Lower Upper
 107 100
 109 96.5 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 50.135 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion: 95 Resp: 147997
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 177.8
 176 84.4 0.0 172.0

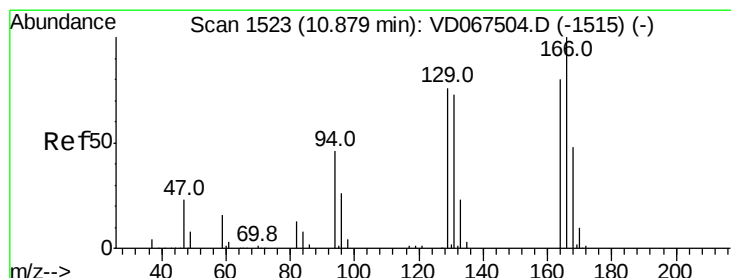
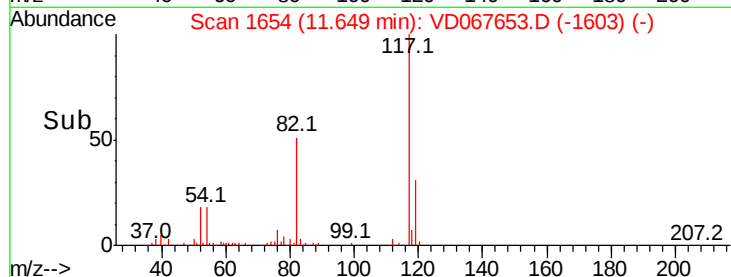
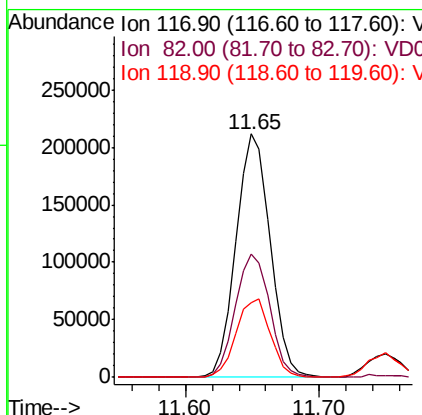
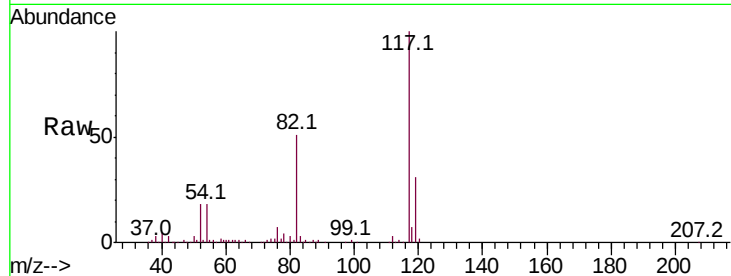




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

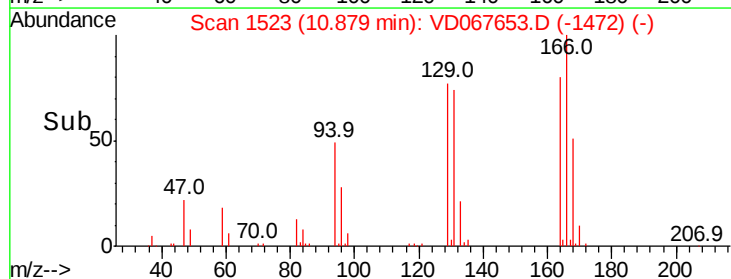
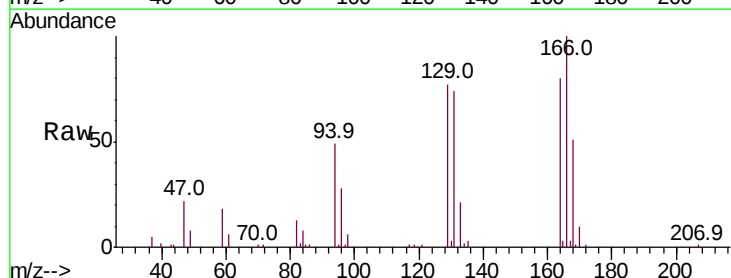
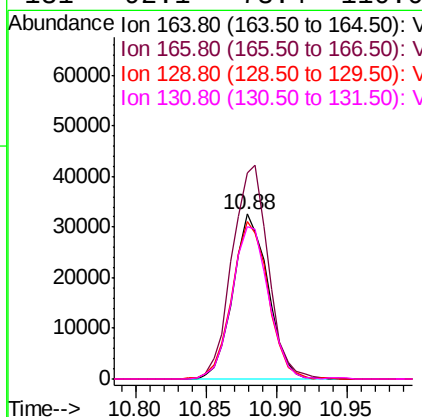
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

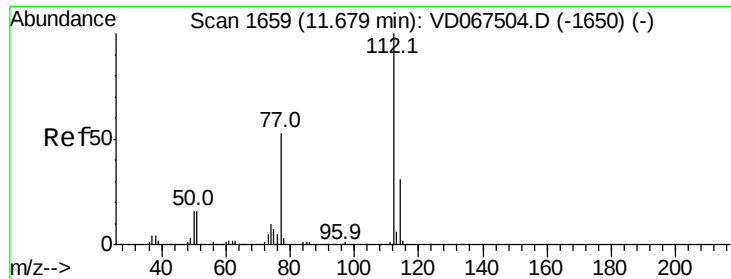
Tot Ion:117 Resp: 375338
Ion Ratio Lower Upper
117 100
82 50.6 41.6 62.4
119 30.8 25.1 37.7



#64
Tetrachloroethene
Concen: 20.340 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion:164 Resp: 56541
Ion Ratio Lower Upper
164 100
166 125.2 99.9 149.9
129 95.8 75.5 113.3
131 92.1 73.4 110.0

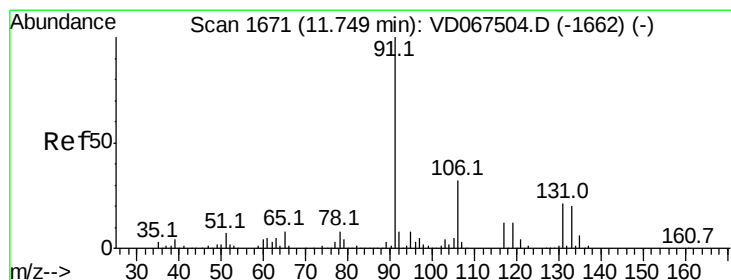
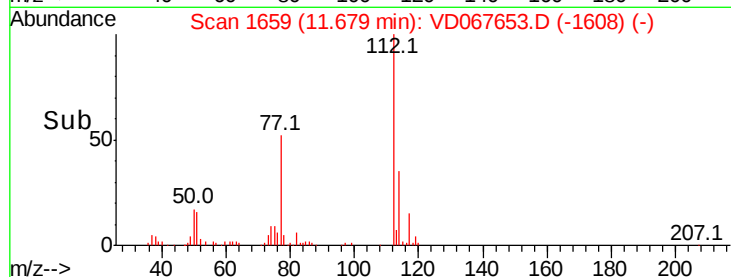
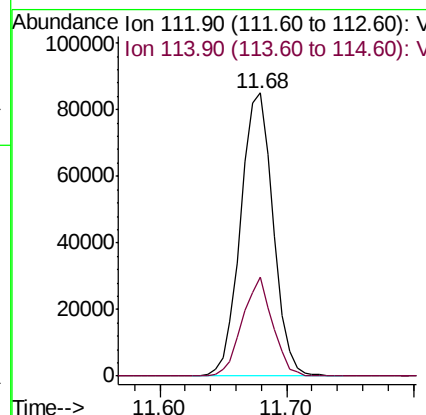
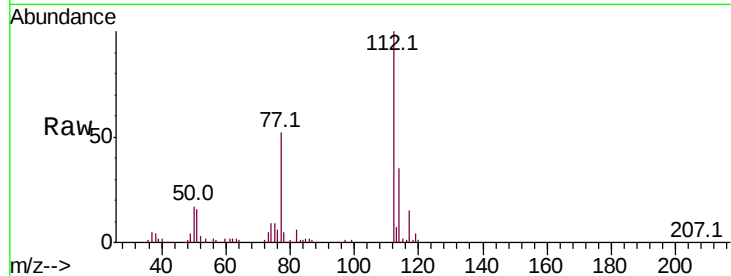




#65
Chlorobenzene
Concen: 20.925 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

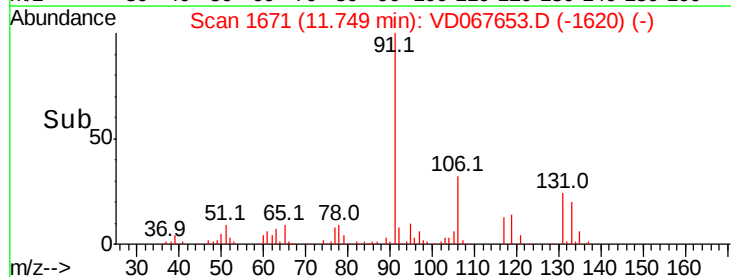
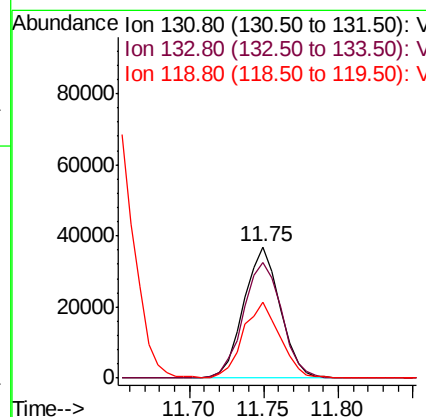
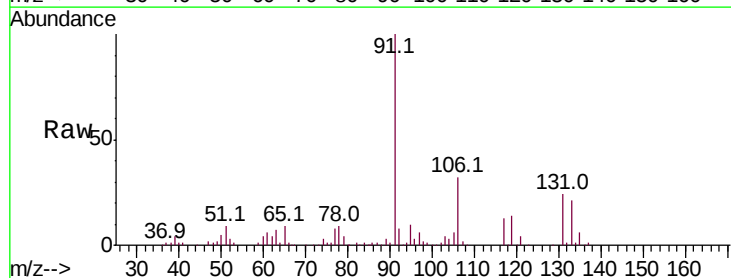
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

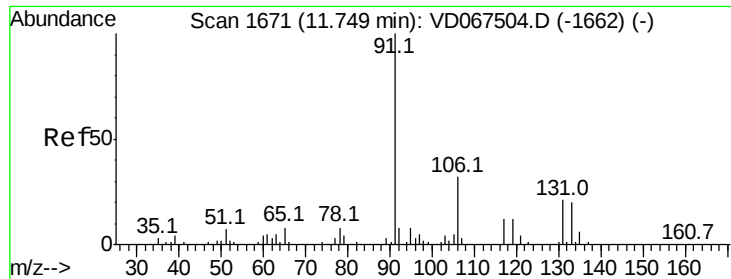
Tot Ion:112 Resp: 151285
Ion Ratio Lower Upper
112 100
114 35.2 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.923 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion:131 Resp: 62472
Ion Ratio Lower Upper
131 100
133 92.6 48.0 144.0
119 58.8 30.1 90.5





#67

Ethyl Benzene

Concen: 20.984 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

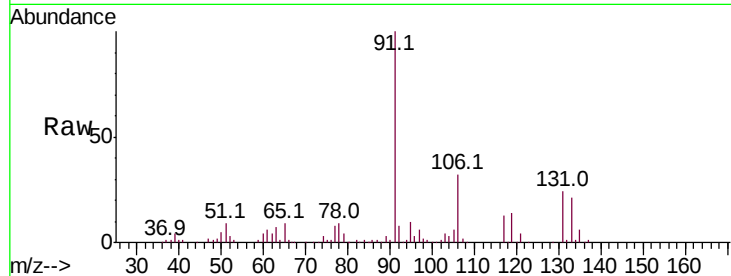
VD1117SBS01

Tot Ion: 91 Resp: 259610

Ion Ratio Lower Upper

91 100

106 31.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

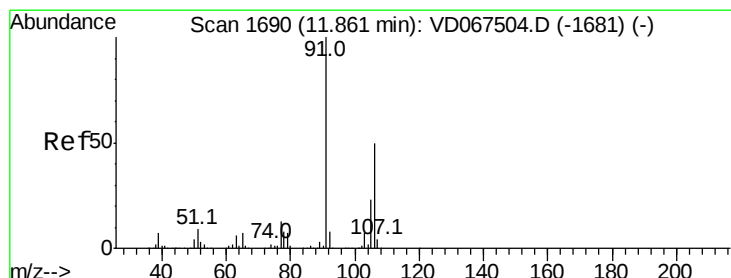
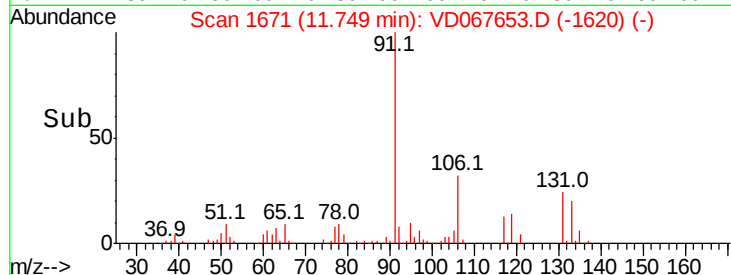
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 43.194 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067653.D

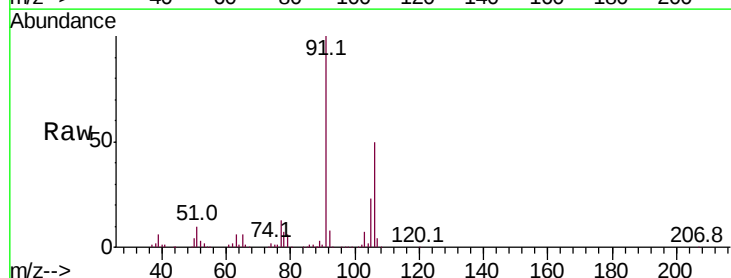
Acq: 17 Nov 2020 11:00

Tgt Ion: 106 Resp: 207905

Ion Ratio Lower Upper

106 100

91 201.5 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

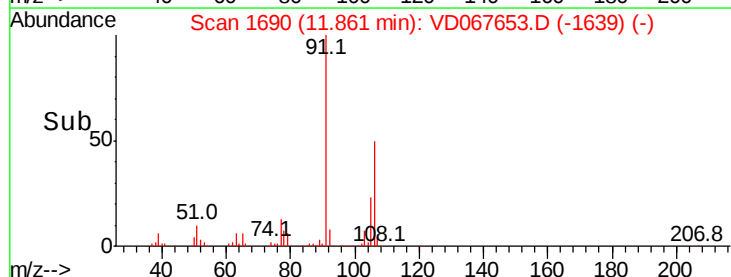
100000

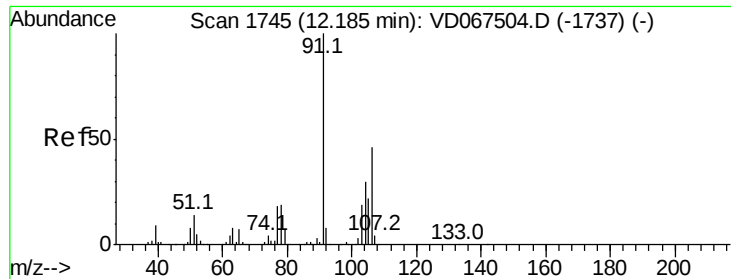
50000

0

11.80 11.85 11.90

Time-->

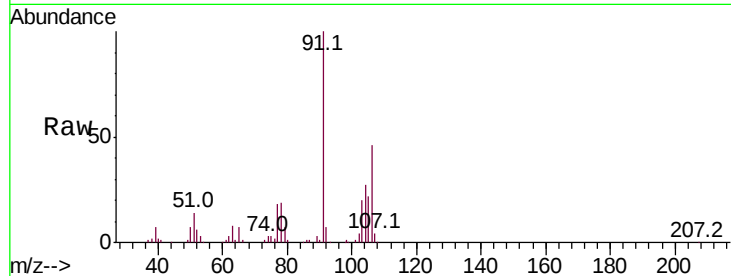




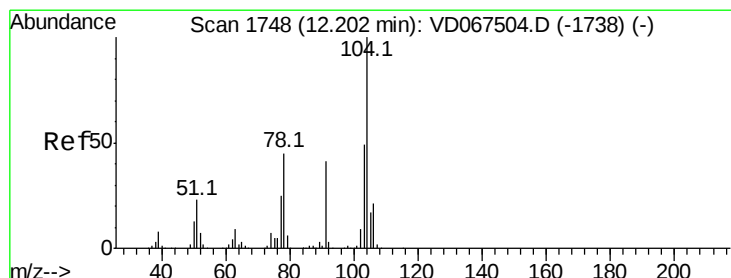
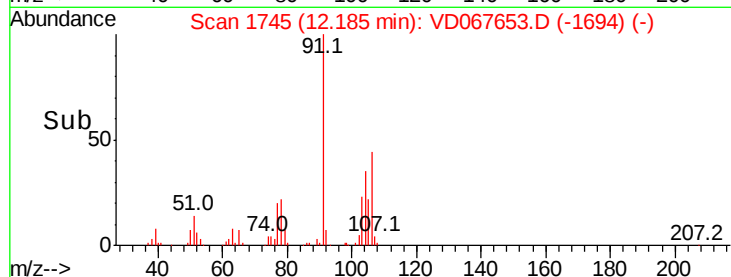
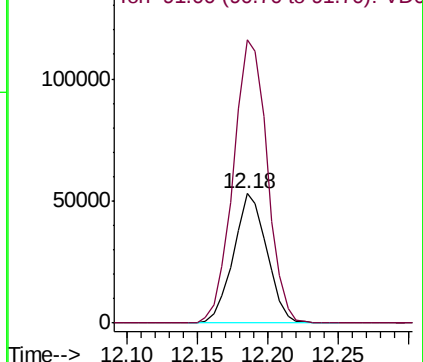
#69
o-Xylene
Concen: 20.426 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion:106 Resp: 87778
Ion Ratio Lower Upper
106 100
91 221.7 107.1 321.1

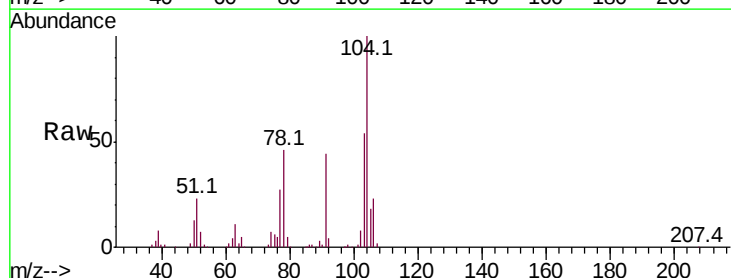


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

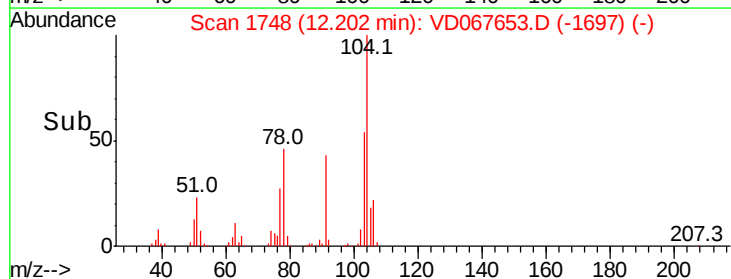
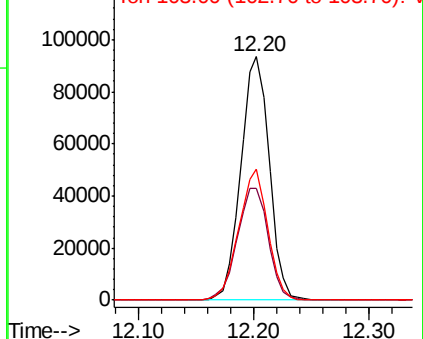


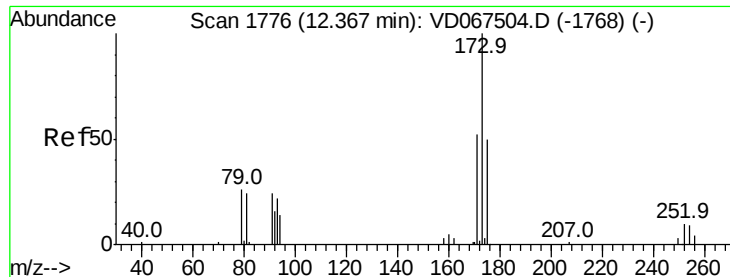
#70
Styrene
Concen: 21.364 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion:104 Resp: 159977
Ion Ratio Lower Upper
104 100
78 50.3 39.8 59.8
103 54.5 43.9 65.9



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





#71

Bromoform

Concen: 21.679 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

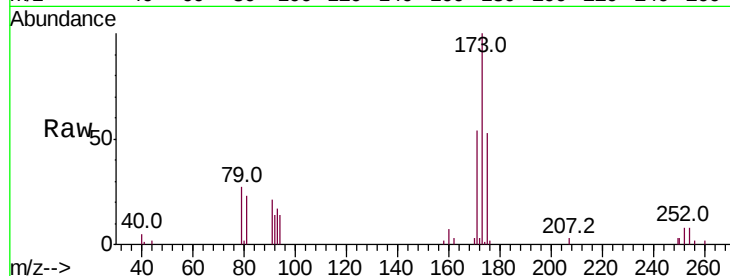
Tot Ion:173 Resp: 31506

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.2

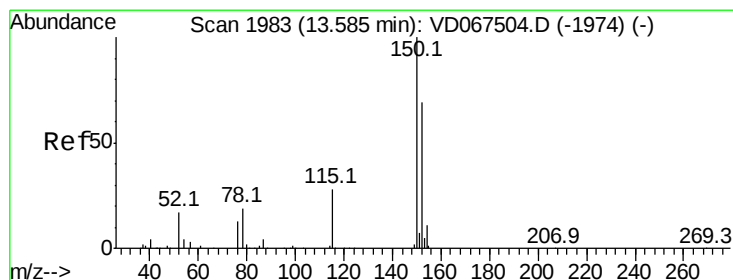
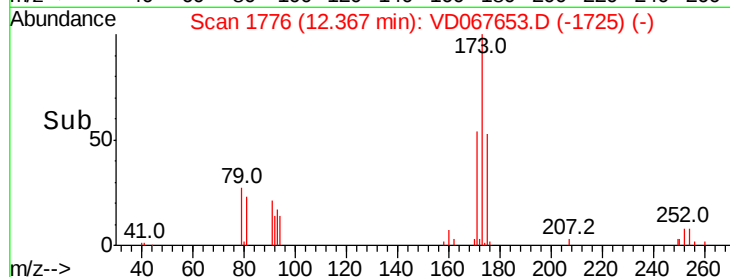
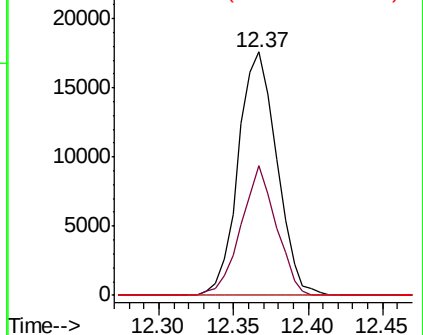
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

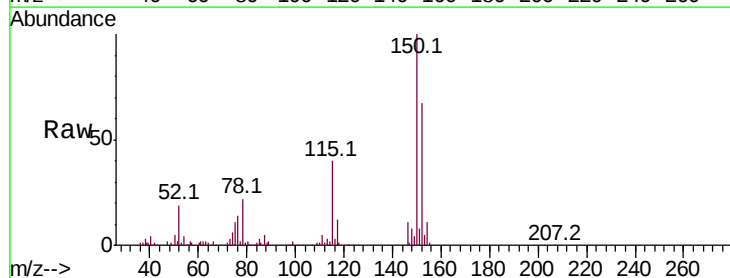
Tgt Ion:152 Resp: 189618

Ion Ratio Lower Upper

152 100

115 60.9 29.3 88.0

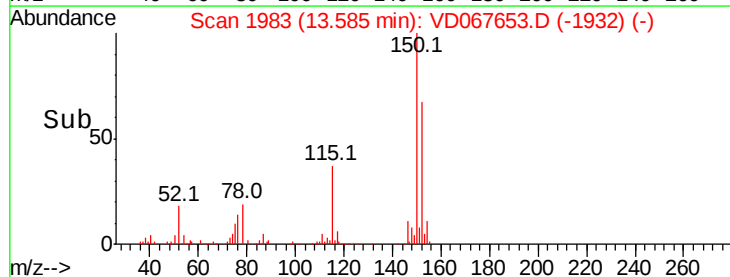
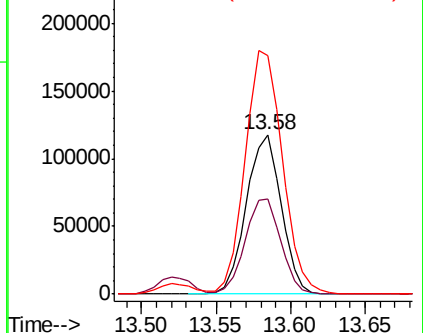
150 164.4 0.0 338.2

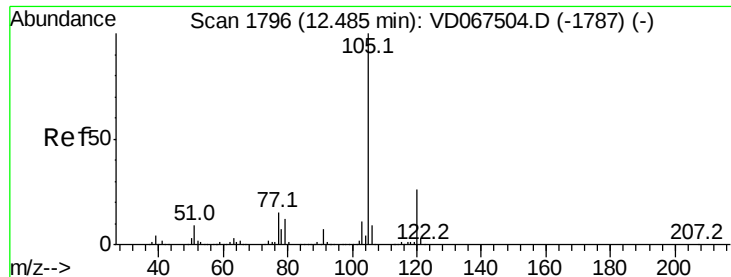


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

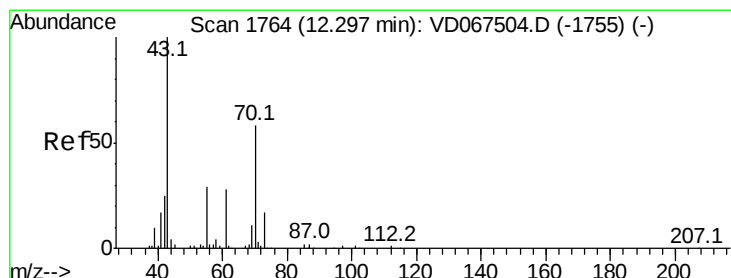
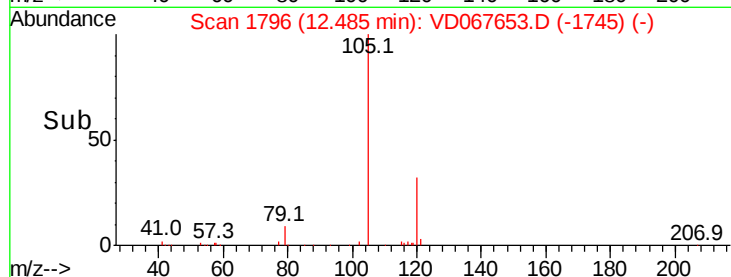
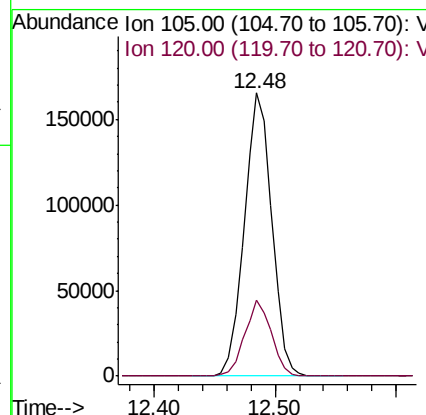
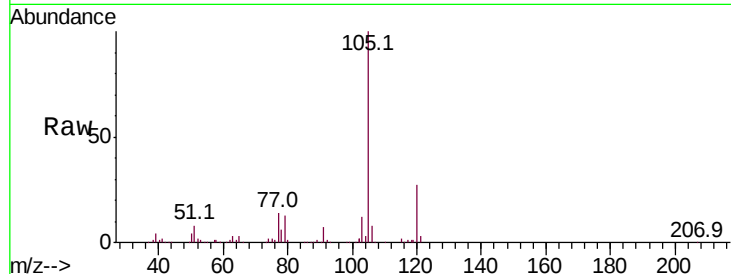




#73
Isopropylbenzene
Concen: 21.389 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

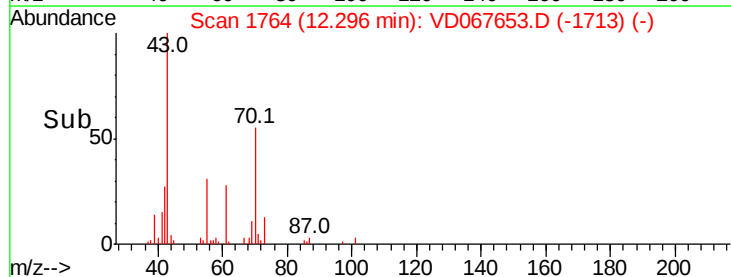
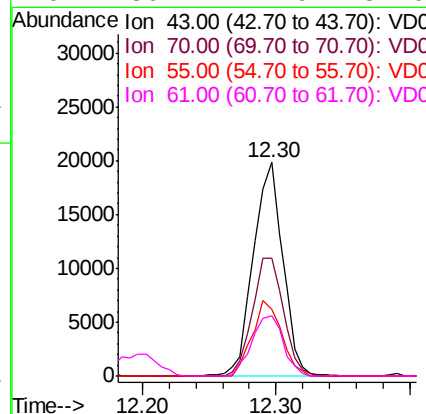
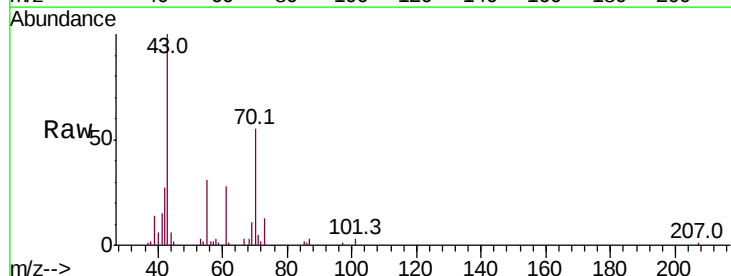
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

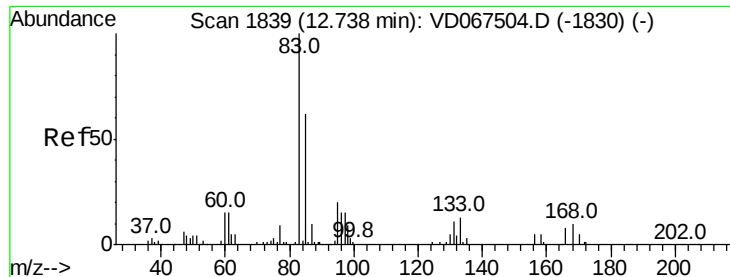
Tot Ion:105 Resp: 262116
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.6



#74
N-ethyl acetate
Concen: 18.722 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 43 Resp: 30190
Ion Ratio Lower Upper
43 100
70 57.8 42.6 64.0
55 34.9 23.7 35.5
61 30.2 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.556 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

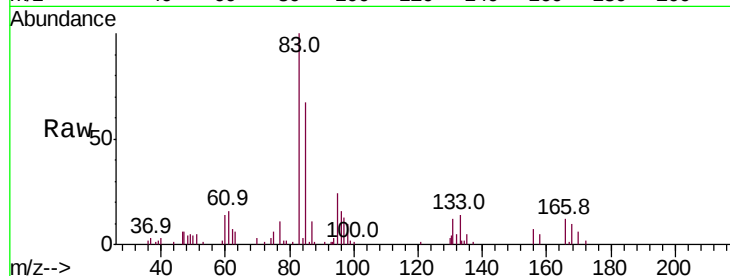
Tot Ion: 83 Resp: 34350

Ion Ratio Lower Upper

83 100

131 14.1 7.1 21.3

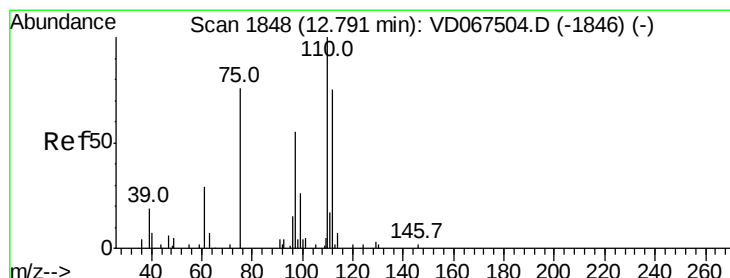
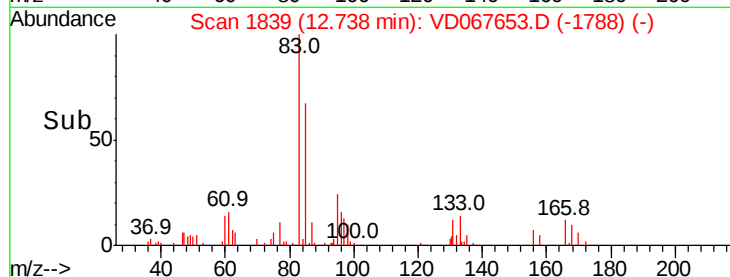
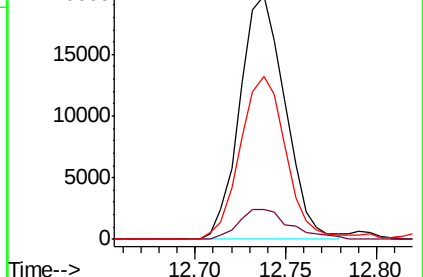
85 69.0 32.9 98.7



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: 44.078 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067653.D

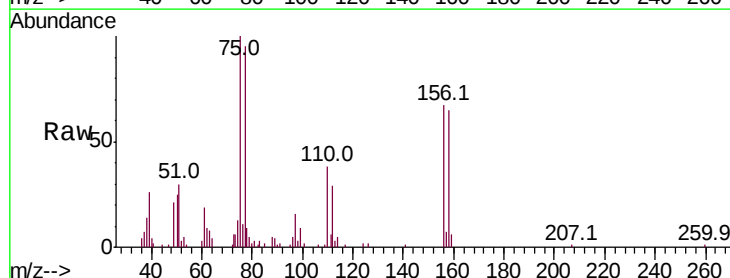
Acq: 17 Nov 2020 11:00

Tgt Ion: 75 Resp: 50420

Ion Ratio Lower Upper

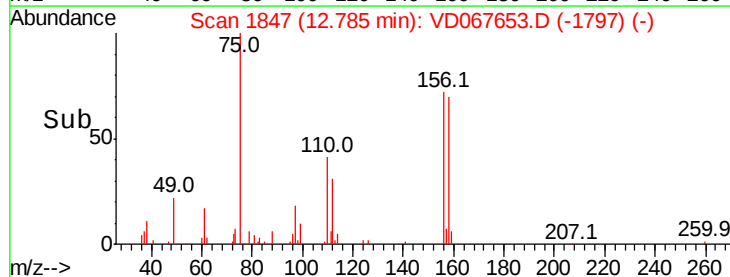
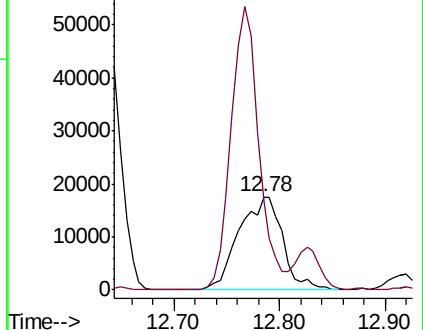
75 100

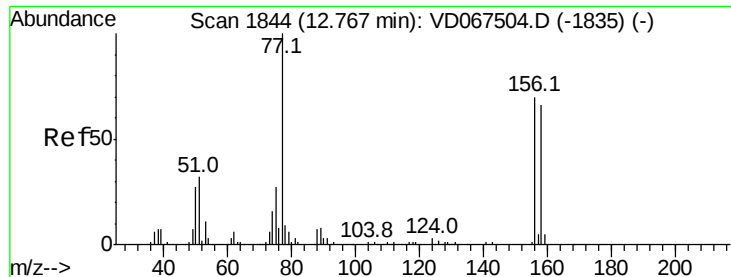
77 194.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.073 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

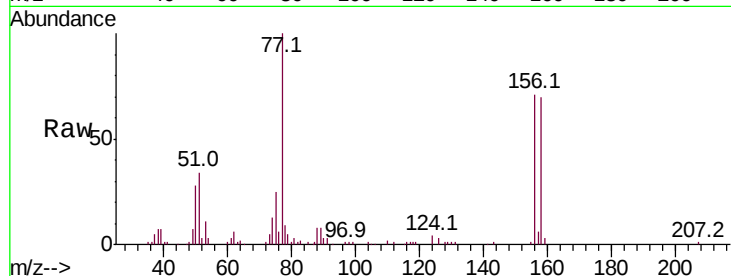
Tot Ion:156 Resp: 66431

Ion Ratio Lower Upper

156 100

77 147.4 77.8 233.5

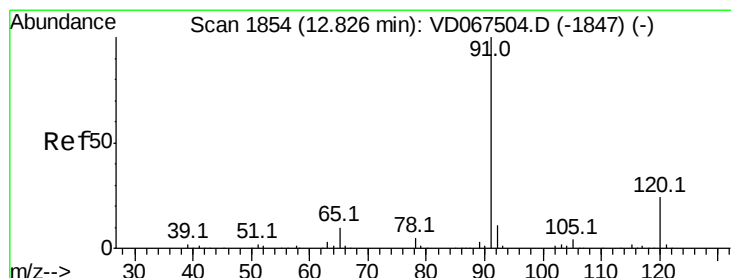
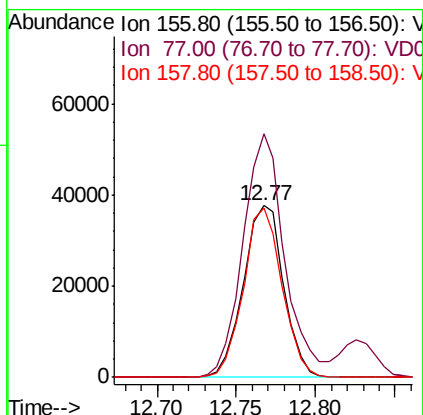
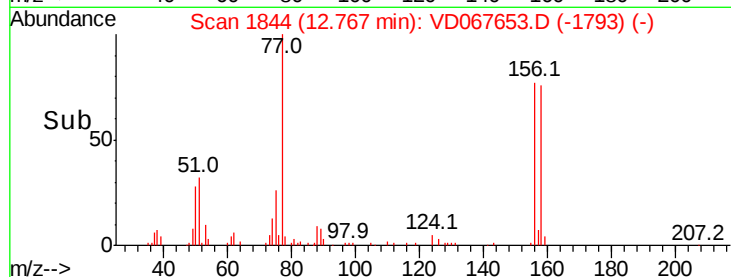
158 94.7 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.531 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067653.D

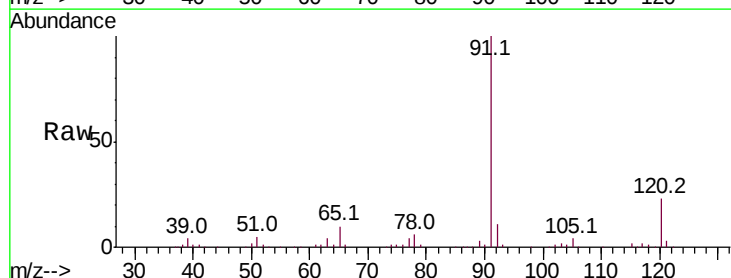
Acq: 17 Nov 2020 11:00

Tgt Ion: 91 Resp: 301798

Ion Ratio Lower Upper

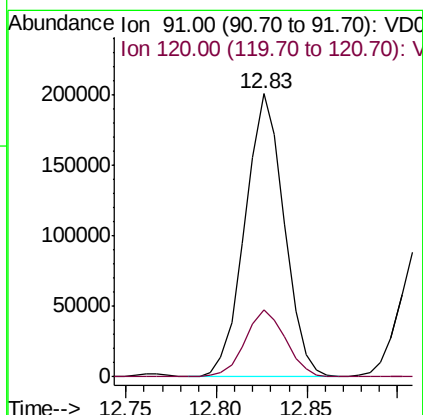
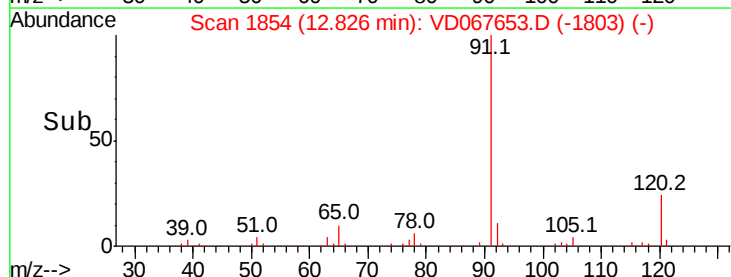
91 100

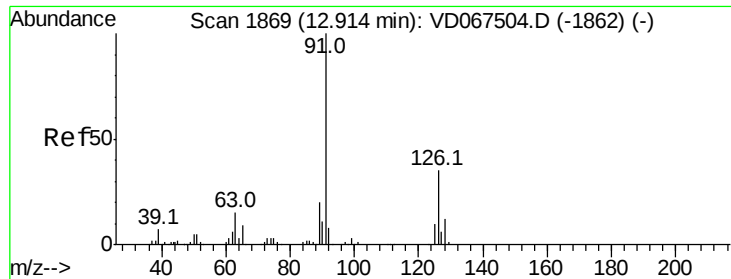
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.392 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

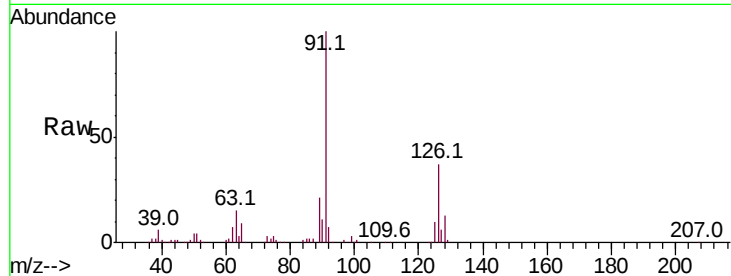
VD1117SBS01

Tot Ion: 91 Resp: 170333

Ion Ratio Lower Upper

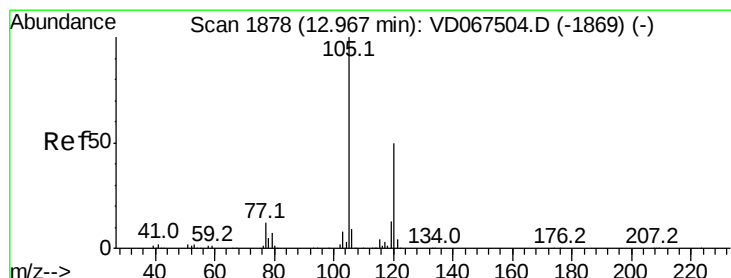
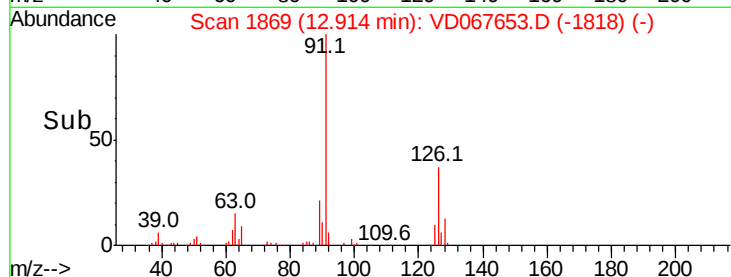
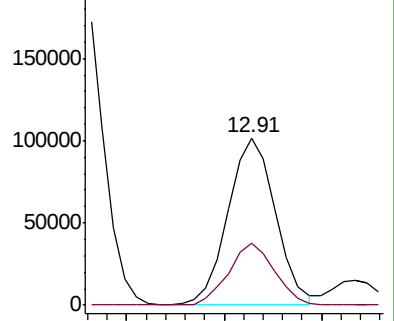
91 100

126 35.9 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.869 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067653.D

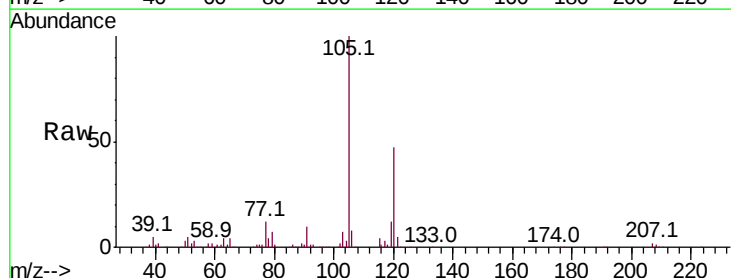
Acq: 17 Nov 2020 11:00

Tgt Ion:105 Resp: 228941

Ion Ratio Lower Upper

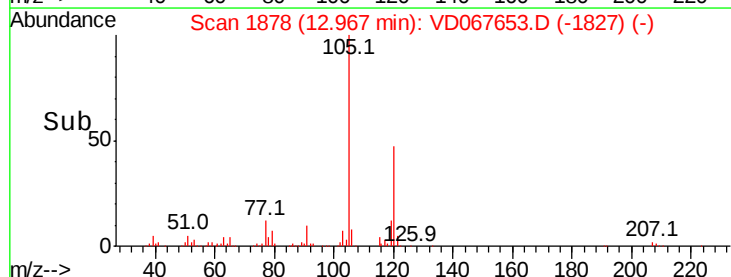
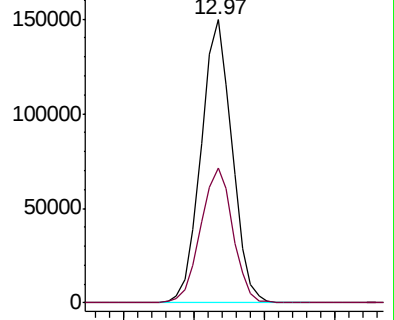
105 100

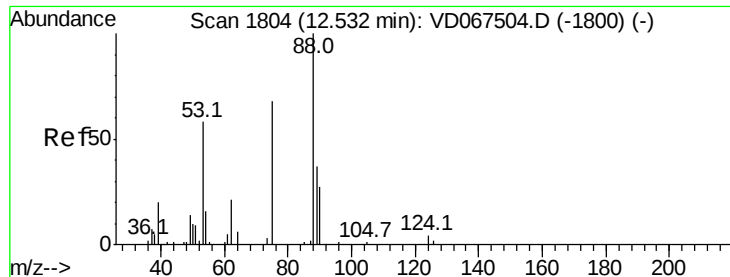
120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.188 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

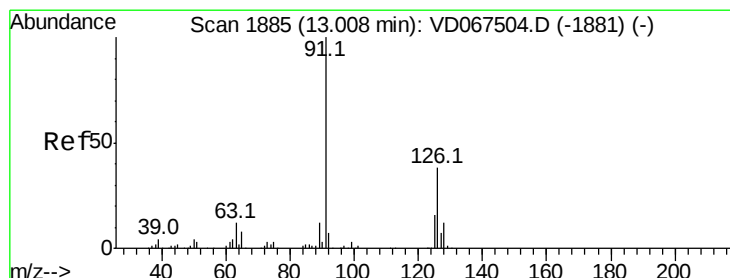
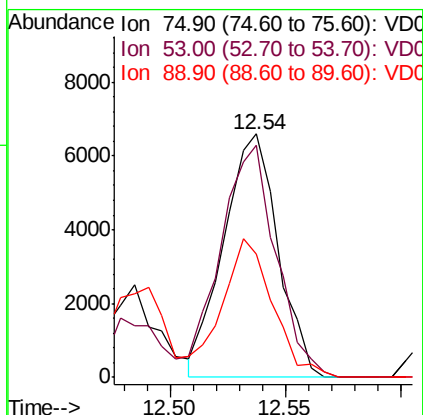
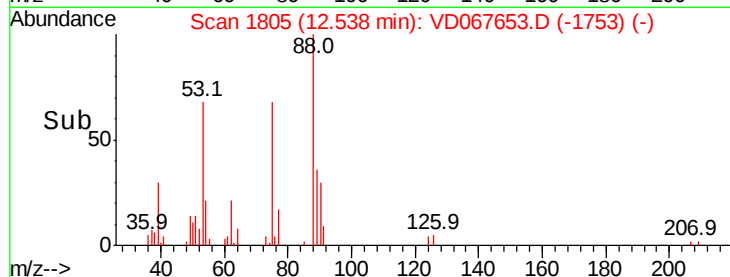
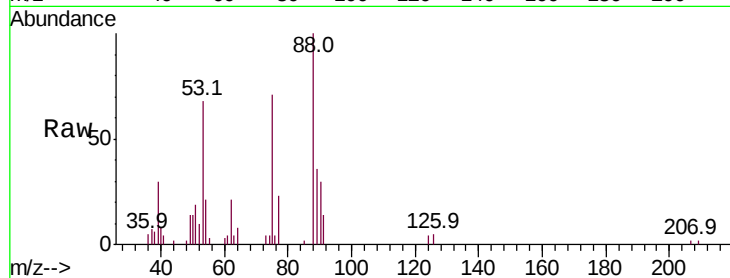
Tot Ion: 75 Resp: 10811

Ion Ratio Lower Upper

75 100

53 98.4 75.9 113.9

89 52.9 44.6 67.0



#82

4-Chlorotoluene

Concen: 21.950 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD067653.D

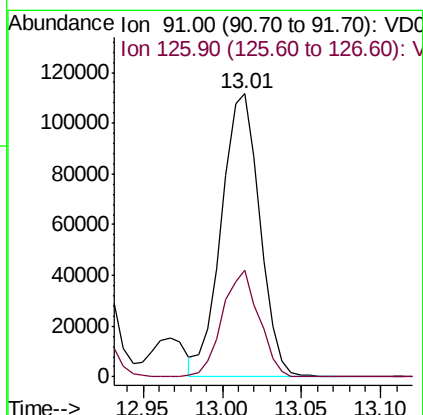
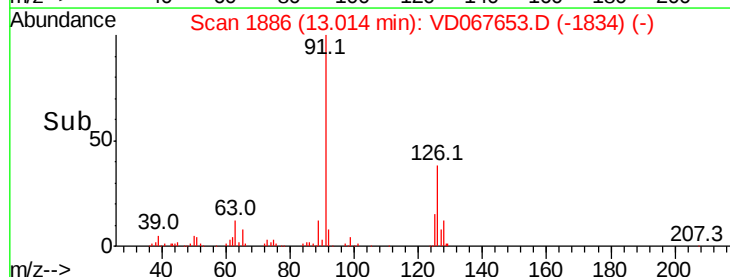
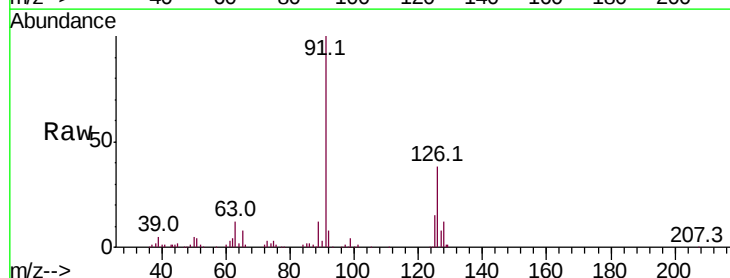
Acq: 17 Nov 2020 11:00

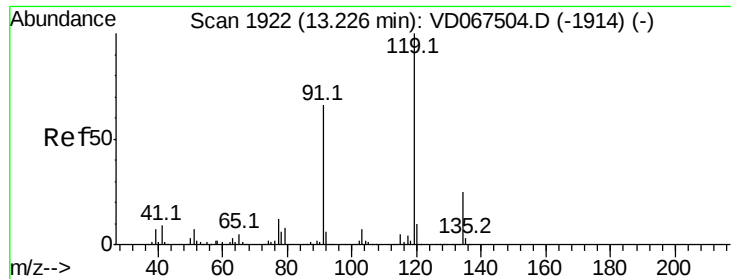
Tgt Ion: 91 Resp: 187449

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7

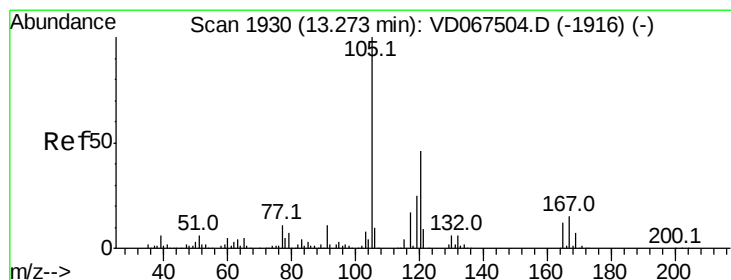
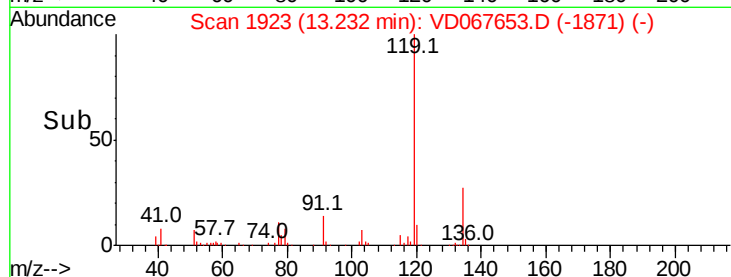
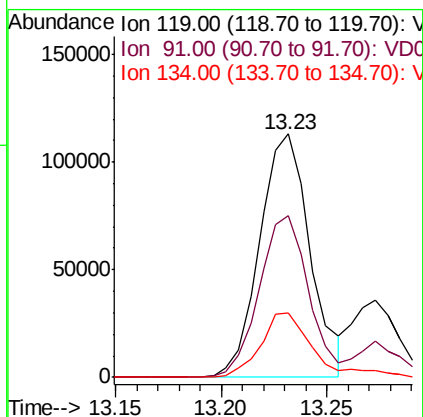
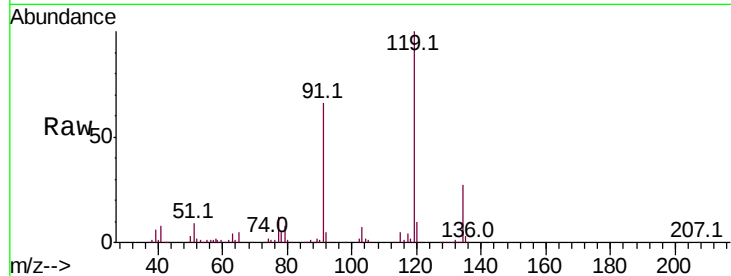




#83
tert-Butylbenzene
Concen: 21.182 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

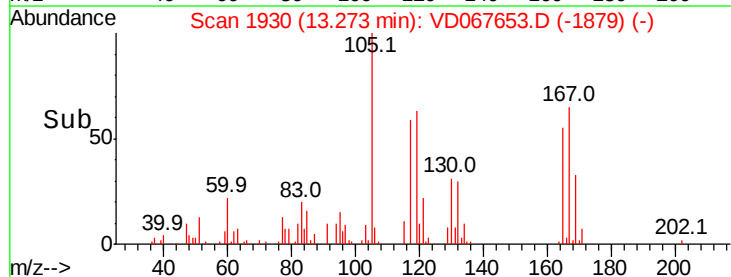
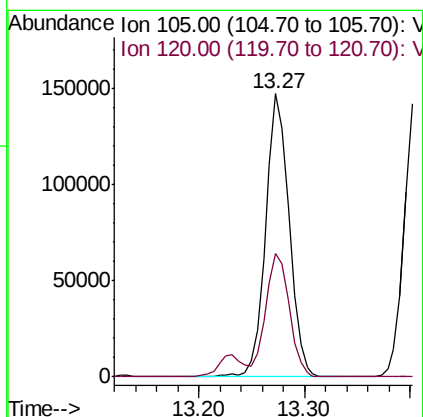
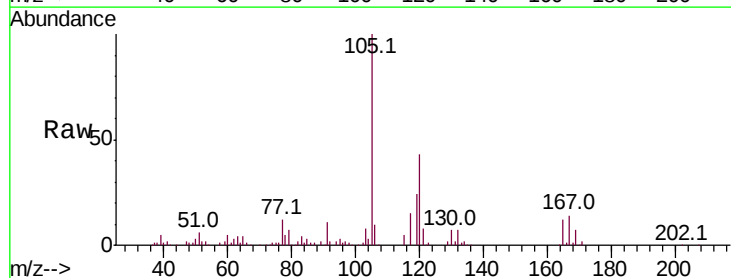
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

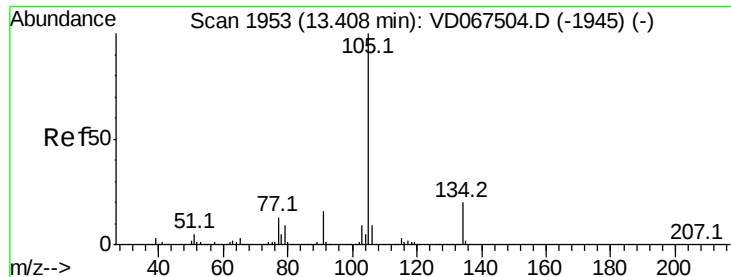
Tot Ion:119 Resp: 187931
Ion Ratio Lower Upper
119 100
91 64.9 32.7 98.1
134 28.1 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 21.761 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion:105 Resp: 226756
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 21.601 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

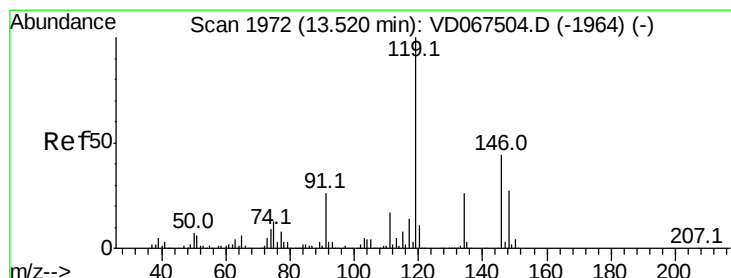
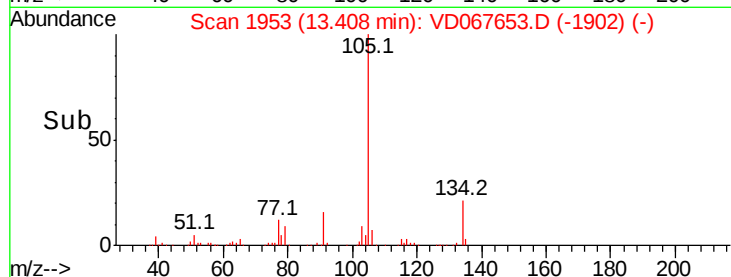
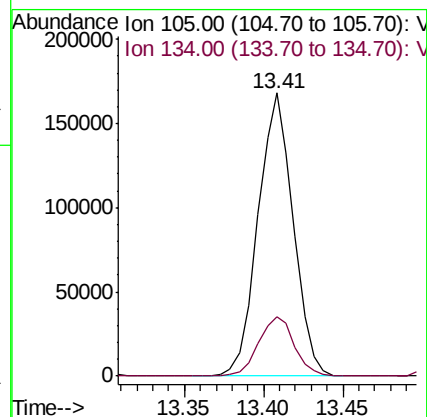
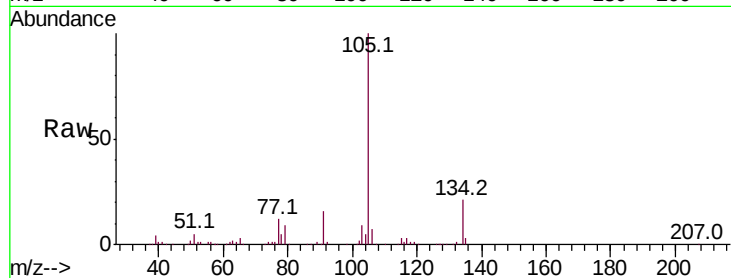
VD1117SBS01

Tot Ion:105 Resp: 258716

Ion Ratio Lower Upper

105 100

134 21.5 10.4 31.4



#86

p-Isopropyltoluene

Concen: 21.311 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

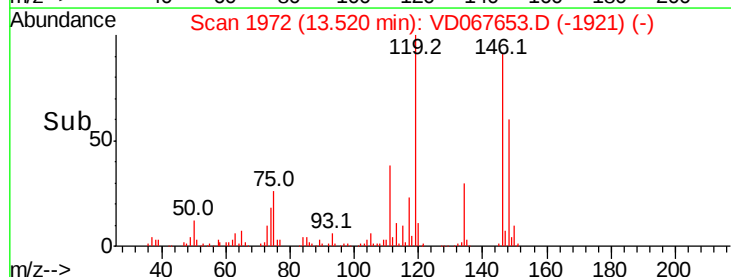
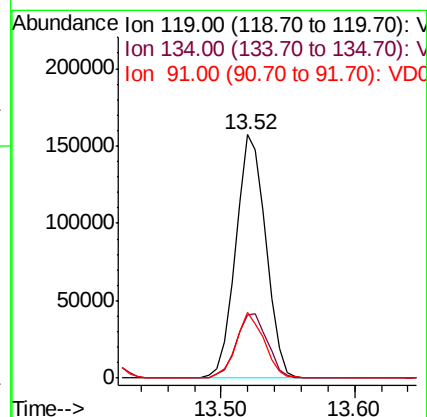
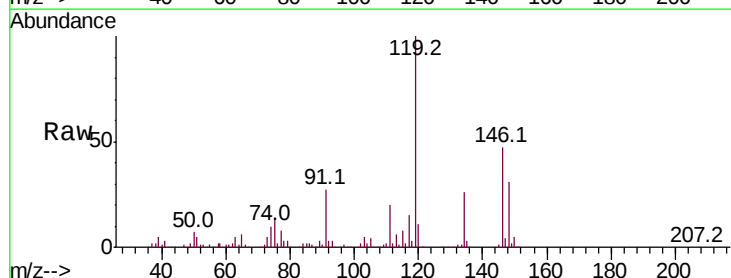
Tgt Ion:119 Resp: 246477

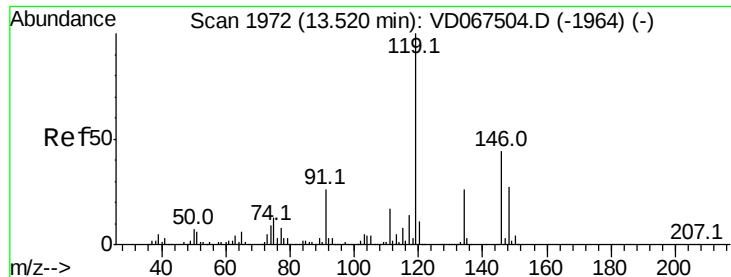
Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

91 25.5 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 21.644 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

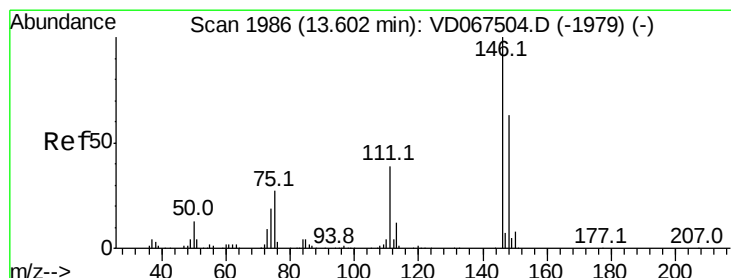
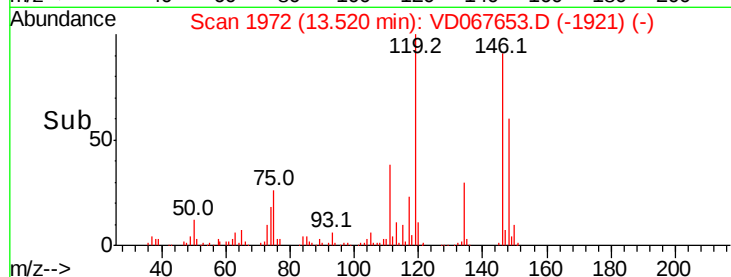
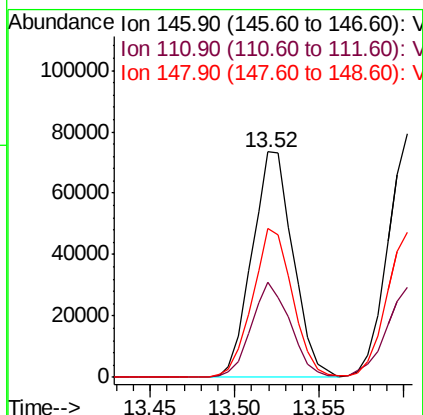
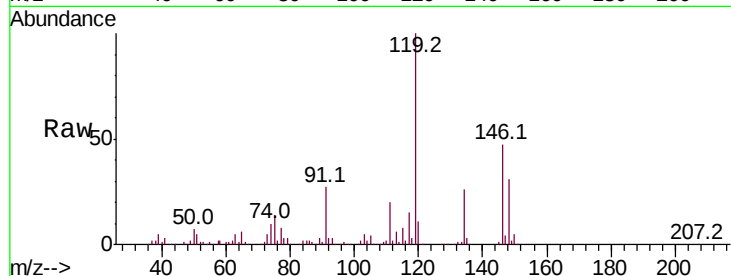
Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion:146 Resp: 124298

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	64.1	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 21.334 ug/l

RT: 13.60 min Scan# 1986

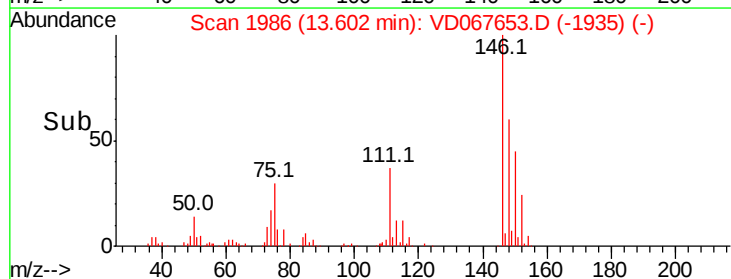
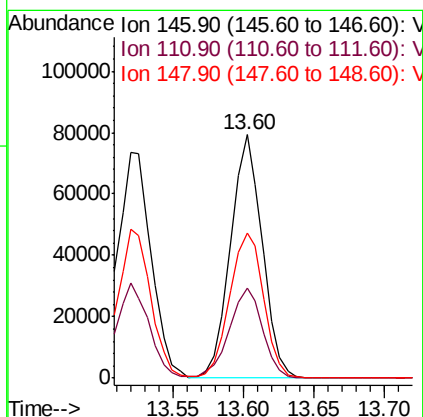
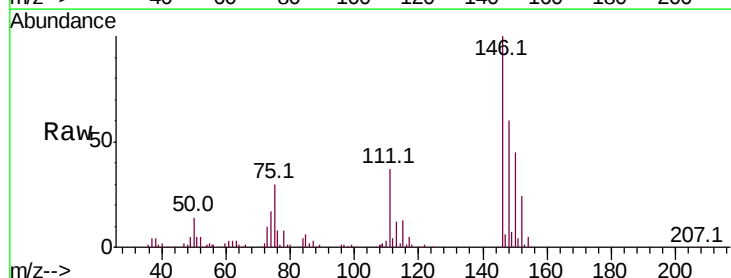
Delta R.T. -0.00 min

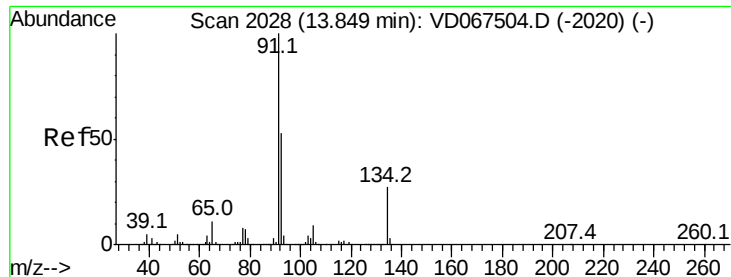
Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion:146 Resp: 124058

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	63.9	31.8	95.4

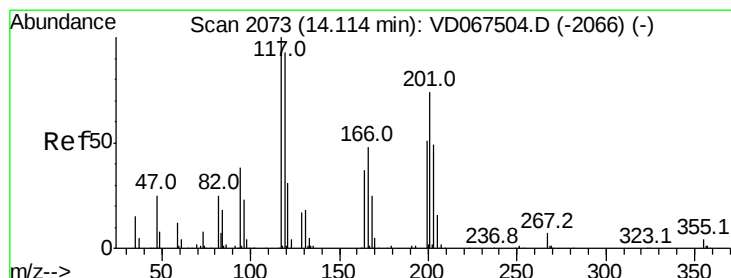
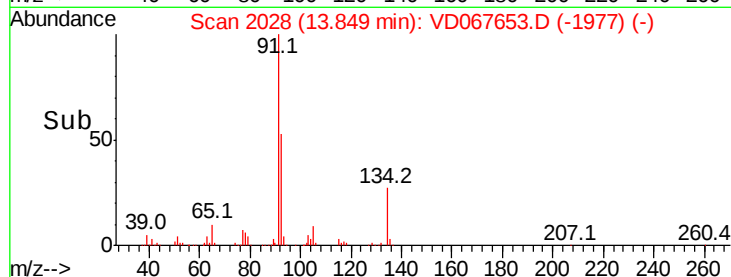
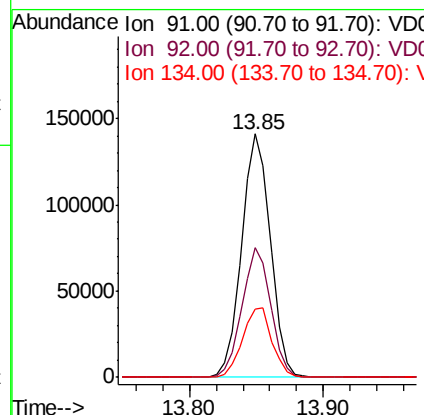
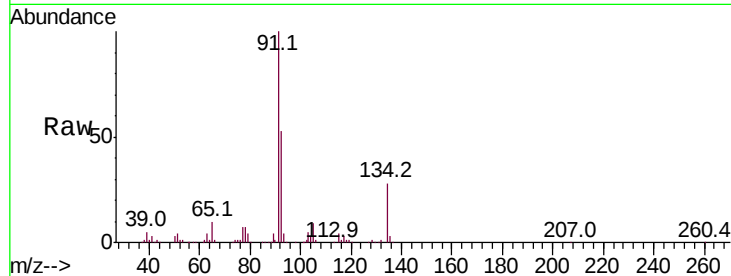




#89
n-Butylbenzene
Concen: 21.020 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

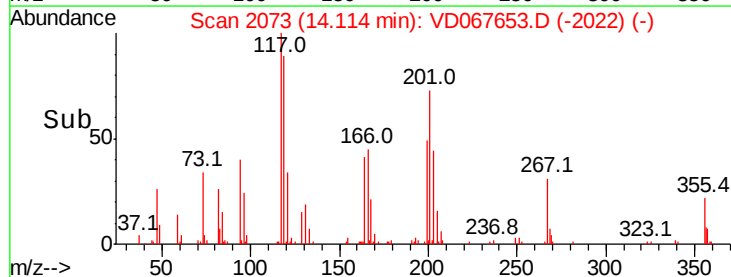
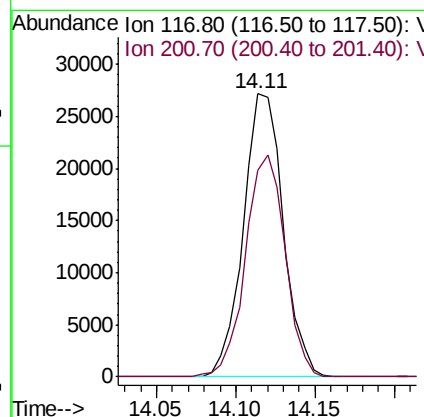
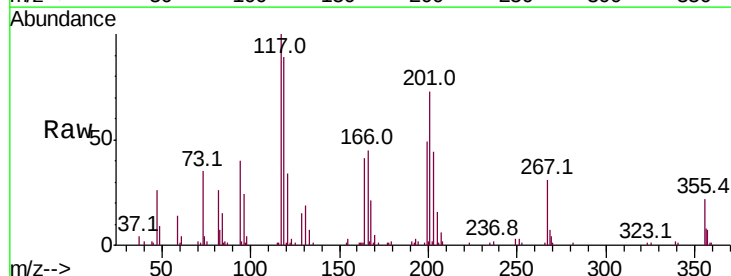
Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

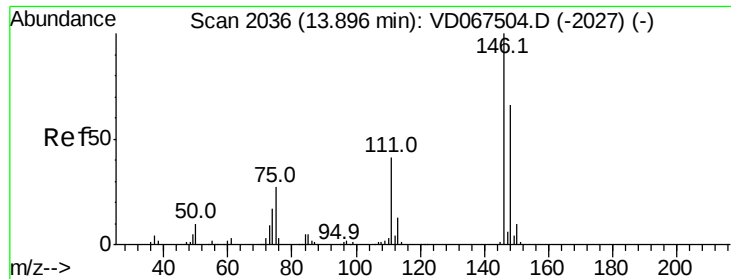
Tot Ion: 91 Resp: 209991
Ion Ratio Lower Upper
91 100
92 52.9 26.6 79.8
134 29.3 14.1 42.2



#90
Hexachloroethane
Concen: 21.837 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 117 Resp: 47563
Ion Ratio Lower Upper
117 100
201 77.7 40.7 122.1

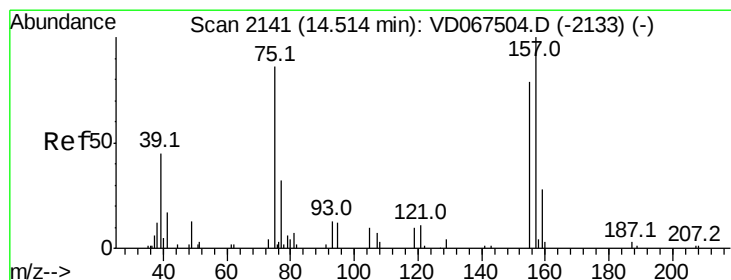
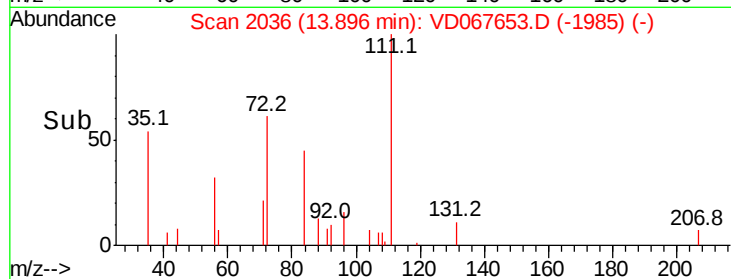
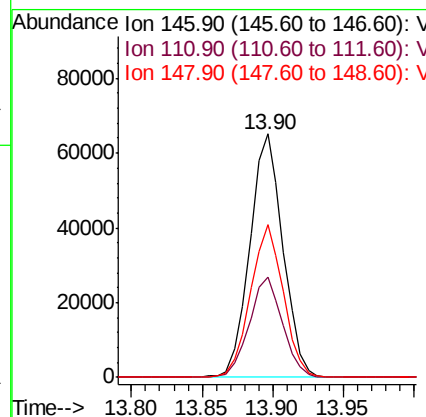
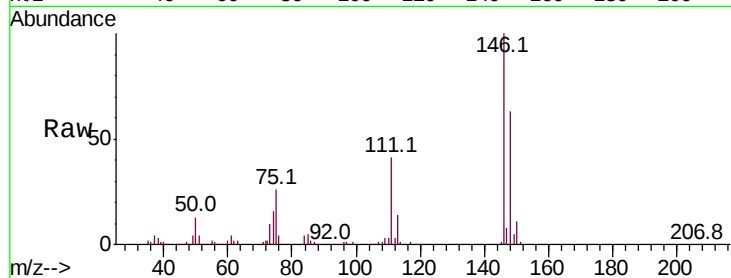




#91
 1,2-Dichlorobenzene
 Concen: 21.504 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

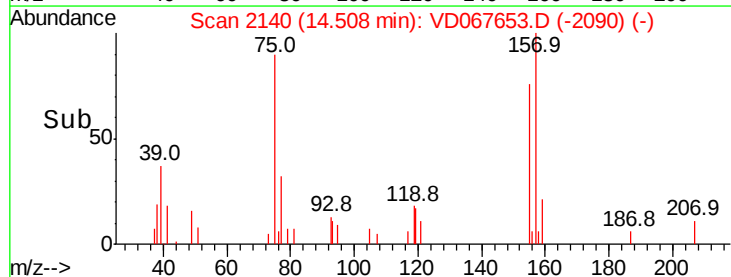
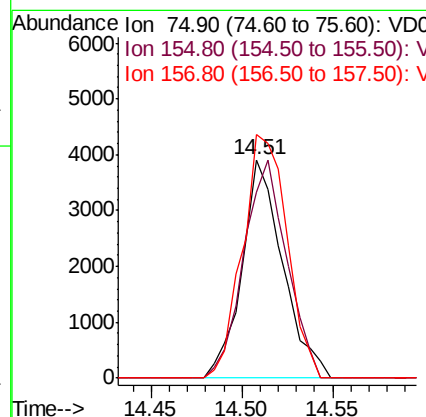
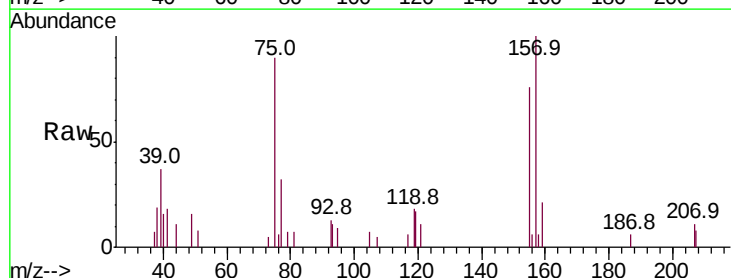
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

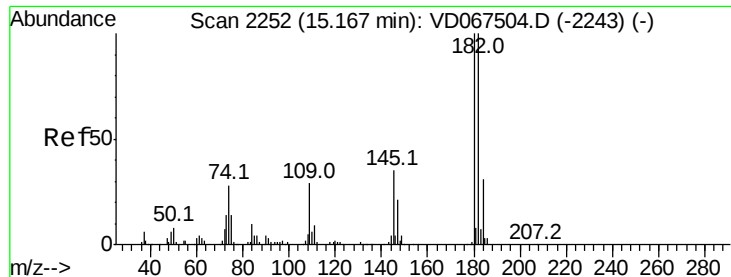
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	62.1	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.739 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.0	46.6	139.8
157	121.2	58.1	174.2

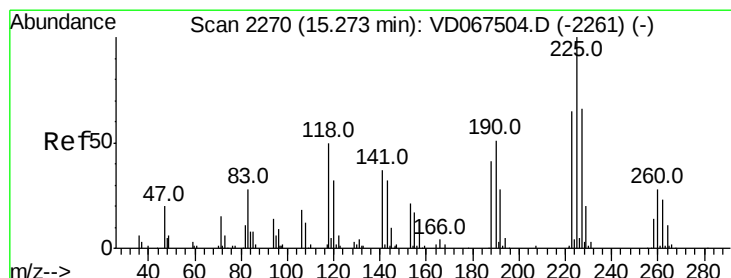
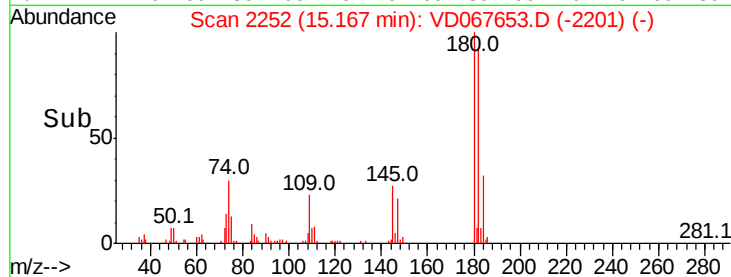
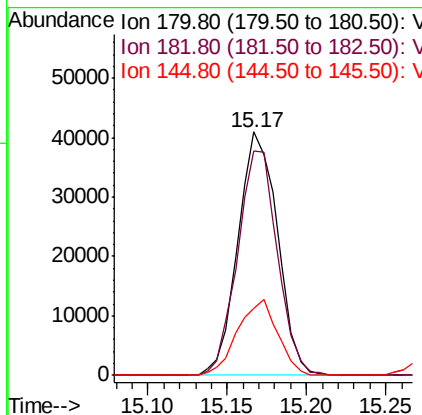
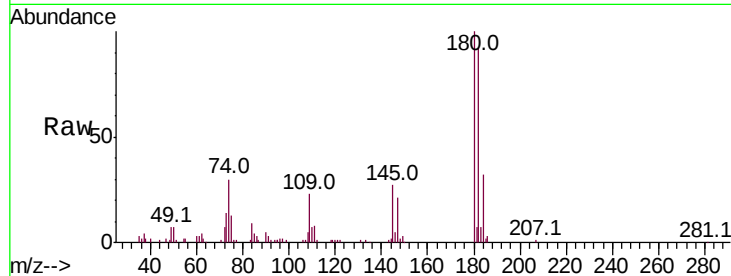




#93
 1,2,4-Trichlorobenzene
 Concen: 21.028 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

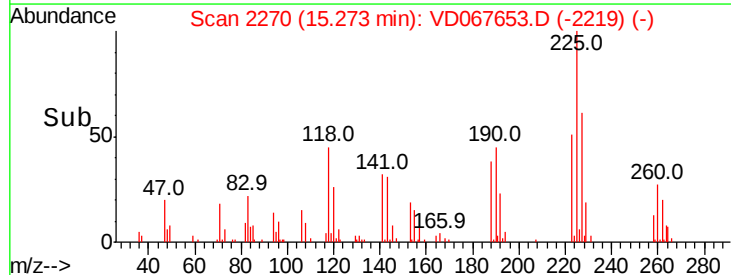
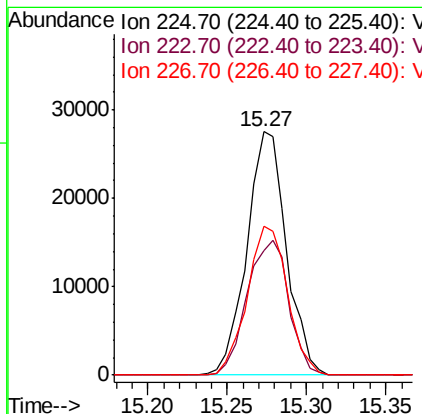
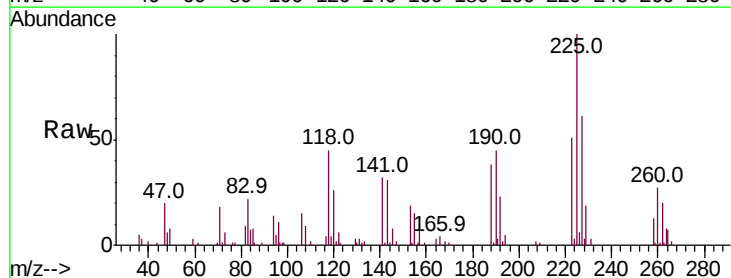
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

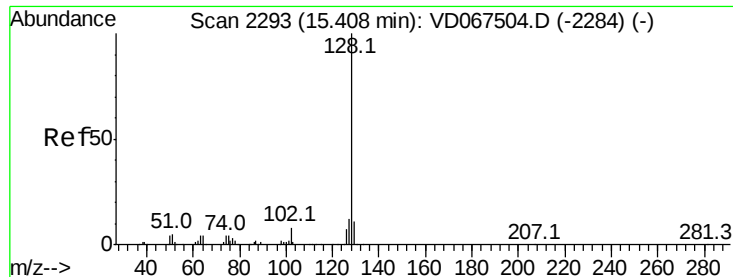
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.3
145	31.4	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 21.133 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	31.9	95.5
227	62.3	32.5	97.4

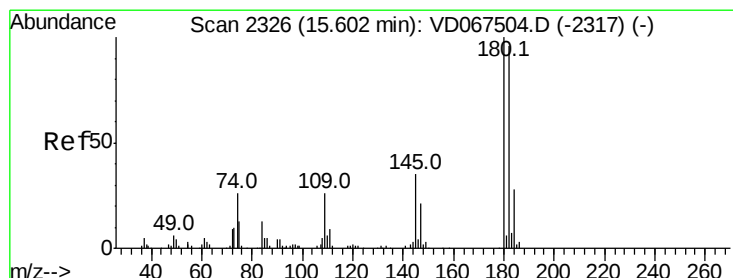
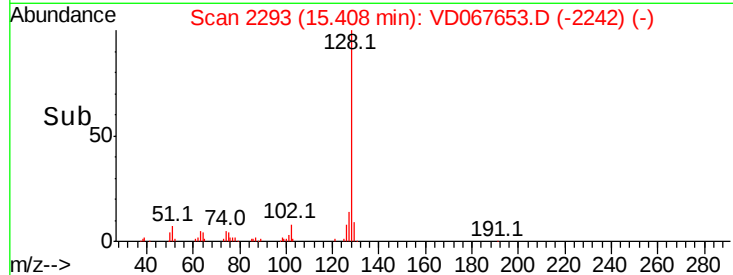
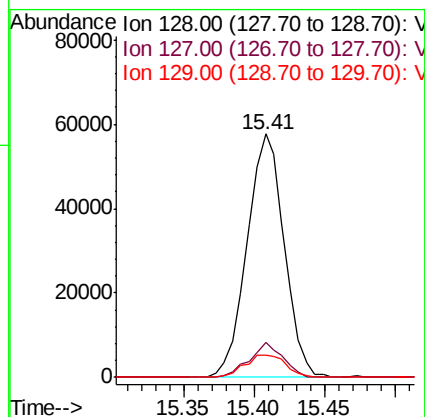
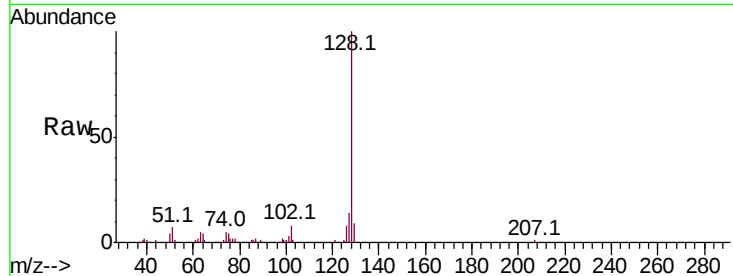




#95
Naphthalene
Concen: 20.386 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.2	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.172 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	46.9	140.8
145	33.3	17.1	51.2

