

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060654.D
 Acq On : 20 Dec 2018 11:26
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Dec 20 14:44:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1508852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2069590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1715160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	875966	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	107119	10.40	ug/l	0.00
Spiked Amount			Recovery	=	20.80%	
35) Dibromofluoromethane	6.33	113	151599	10.15	ug/l	0.00
Spiked Amount			Recovery	=	20.30%	
50) Toluene-d8	9.45	98	450083	10.00	ug/l	0.00
Spiked Amount			Recovery	=	20.00%	
62) 4-Bromofluorobenzene	12.42	95	160249	10.47	ug/l	0.00
Spiked Amount			Recovery	=	20.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	191072	8.780	ug/l	99
3) Chloromethane	1.77	50	181340	10.143	ug/l	95
4) Vinyl Chloride	1.87	62	142810	9.729	ug/l	95
5) Bromomethane	2.17	94	35452	9.288	ug/l	96
6) Chloroethane	2.27	64	45212	9.278	ug/l #	88
7) Trichlorofluoromethane	2.52	101	161821	9.555	ug/l	100
8) Diethyl Ether	2.84	74	27133	9.853	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.10	101	106244	10.116	ug/l	97
10) Methyl Iodide	3.26	142	101760	8.460	ug/l #	88
11) Tert butyl alcohol	3.98	59	24023	51.645	ug/l #	90
12) 1,1-Dichloroethene	3.09	96	88617	10.447	ug/l	92
13) Acrolein	2.99	56	26269	64.562	ug/l	97
14) Allyl chloride	3.54	41	162118	10.051	ug/l	97
15) Acrylonitrile	4.10	53	135222	51.303	ug/l	97
16) Acetone	3.17	43	100481	52.239	ug/l	99
17) Carbon Disulfide	3.33	76	277121	9.762	ug/l	97
18) Methyl Acetate	3.56	43	48316	10.047	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	221552	9.728	ug/l	96
20) Methylene Chloride	3.73	84	217957	12.660	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	178134	9.941	ug/l	97
22) Diisopropyl ether	4.86	45	546299	9.984	ug/l	97
23) Vinyl Acetate	4.81	43	1335571	49.695	ug/l	99
24) 1,1-Dichloroethane	4.76	63	281931	9.834	ug/l	99
25) 2-Butanone	5.62	43	184625	48.508	ug/l	100
26) 2,2-Dichloropropane	5.59	77	230447	10.088	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	184005	10.019	ug/l	99
28) Bromochloromethane	5.93	49	116862	9.790	ug/l	98
29) Tetrahydrofuran	5.96	42	104021	49.793	ug/l	97
30) Chloroform	6.10	83	293262	10.124	ug/l	97
31) Cyclohexane	6.37	56	280808	10.157	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	233307	9.698	ug/l	97
36) 1,1-Dichloropropene	6.53	75	232429	10.520	ug/l	96
37) Ethyl Acetate	5.70	43	96395	10.570	ug/l	95
38) Carbon Tetrachloride	6.51	117	195267	9.796	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	251536	9.706	ug/l	100
40) Benzene	6.79	78	596092	10.398	ug/l	99
41) Methacrylonitrile	5.95	41	109234	20.212	ug/l #	73
42) 1,2-Dichloroethane	6.90	62	141904	9.959	ug/l	97
43) Isopropyl Acetate	8.35	43	114684	9.259	ug/l #	95
44) Trichloroethene	7.74	130	170037	9.912	ug/l	95
45) 1,2-Dichloropropane	8.10	63	143982	10.341	ug/l	98
46) Dibromomethane	8.22	93	82413	10.205	ug/l	93
47) Bromodichloromethane	8.48	83	184449	9.447	ug/l	97
48) Methyl methacrylate	8.25	41	72912	9.671	ug/l	93
49) 1,4-Dioxane	8.22	88	13169	186.549	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	371484	48.904	ug/l	98
52) Toluene	9.55	92	371862	10.213	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	158492	9.561	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	200768	9.265	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	98379	10.189	ug/l	96
56) Ethyl methacrylate	10.03	69	84870	8.593	ug/l	99
57) 1,3-Dichloropropane	10.38	76	154213	10.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	281105	53.940	ug/l	95
59) 2-Hexanone	10.48	43	257608	47.729	ug/l	95
60) Dibromochloromethane	10.64	129	119758	9.148	ug/l	98
61) 1,2-Dibromoethane	10.76	107	99112	9.543	ug/l	97
64) Tetrachloroethene	10.25	164	156052	9.409	ug/l	98
65) Chlorobenzene	11.31	112	386705	9.596	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	130326	9.868	ug/l	98
67) Ethyl Benzene	11.43	91	711067	10.270	ug/l	98
68) m/p-Xylenes	11.56	106	501938	19.962	ug/l	97
69) o-Xylene	11.93	106	228948	9.392	ug/l	84
70) Styrene	11.95	104	380395	9.671	ug/l	95
71) Bromoform	12.12	173	76539	8.606	ug/l	96
73) Isopropylbenzene	12.27	105	644486	9.609	ug/l	100
74) N-amyl acetate	12.14	43	148347	9.337	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	104085	9.362	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	101592	9.413	ug/l	99
77) Bromobenzene	12.54	156	171675	9.605	ug/l	96
78) n-propylbenzene	12.64	91	852253	9.973	ug/l	99
79) 2-Chlorotoluene	12.71	91	454039	9.799	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	521173	10.098	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	26778	8.543	ug/l	98
82) 4-Chlorotoluene	12.80	91	540417	10.636	ug/l	100
83) tert-Butylbenzene	13.04	119	581000	9.877	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	528310	9.854	ug/l	99
85) sec-Butylbenzene	13.22	105	697894	9.531	ug/l	99
86) p-Isopropyltoluene	13.34	119	584129	10.203	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	320124	9.852	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	320151	9.984	ug/l	97
89) n-Butylbenzene	13.64	91	614375	10.505	ug/l	97
90) Hexachloroethane	13.86	117	132954	9.139	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	275643	10.683	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	11420	8.694	ug/l	84

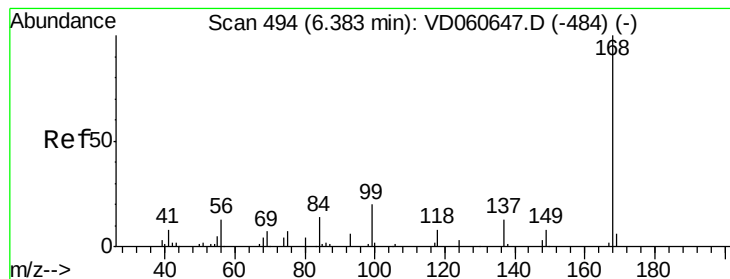
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
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QLast Update : Thu Dec 20 14:42:21 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	201179	9.414	ug/l	98
94) Hexachlorobutadiene	14.88	225	147299	9.576	ug/l	98
95) Naphthalene	14.97	128	221256	8.504	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	155623	9.253	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 598

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

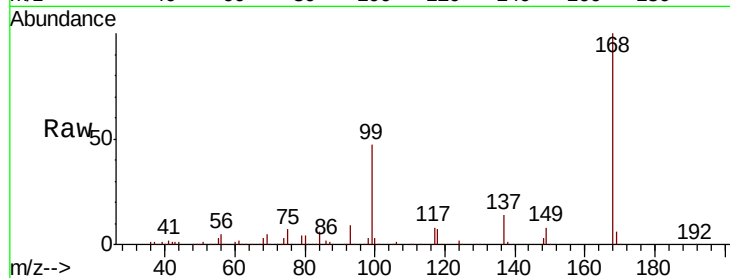
VSTDIC010

Tgt Ion:168 Resp: 1508852

Ion Ratio Lower Upper

168 100

99 47.4 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

300000

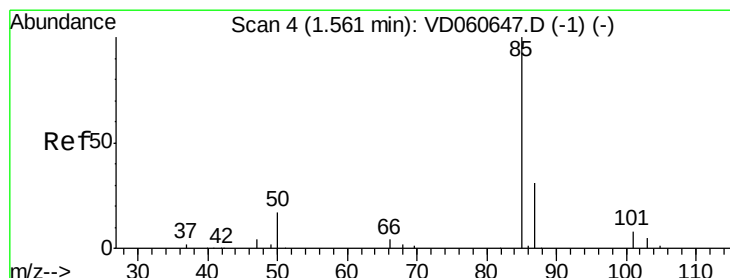
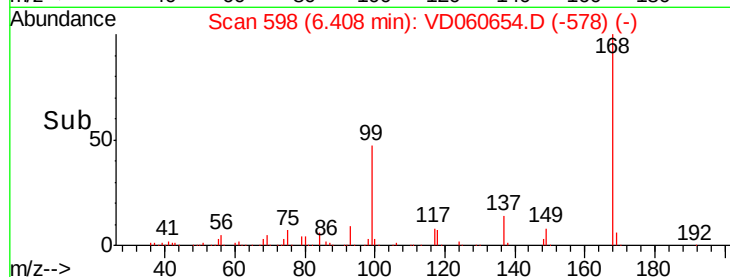
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 8.780 ug/l

RT: 1.61 min Scan# 110

Delta R.T. 0.00 min

Lab File: VD060654.D

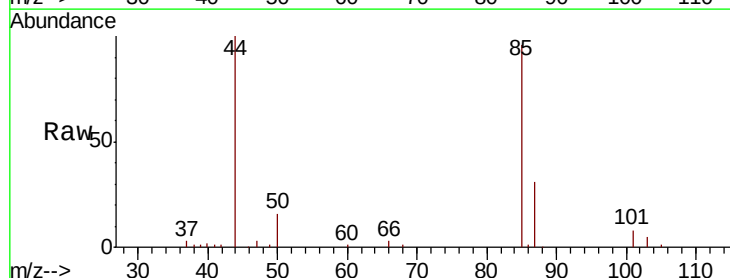
Acq: 20 Dec 2018 11:26

Tgt Ion: 85 Resp: 191072

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

80000

60000

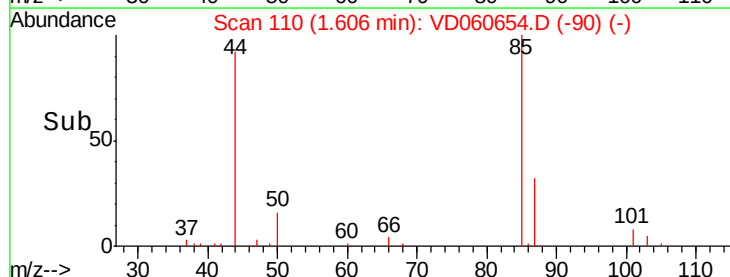
40000

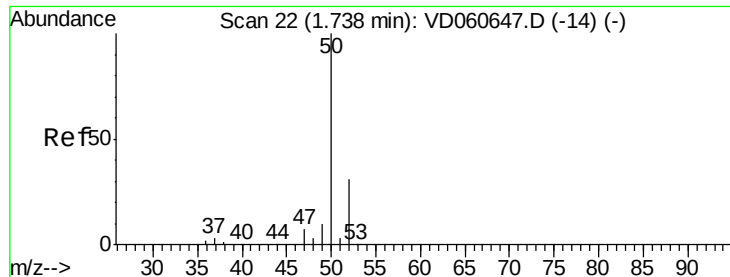
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 10.143 ug/l

RT: 1.77 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

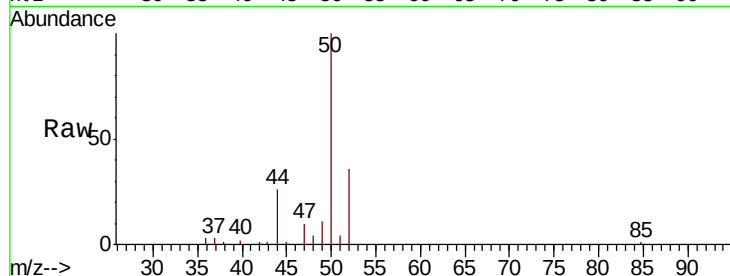
VSTDIC010

Tgt Ion: 50 Resp: 181340

Ion Ratio Lower Upper

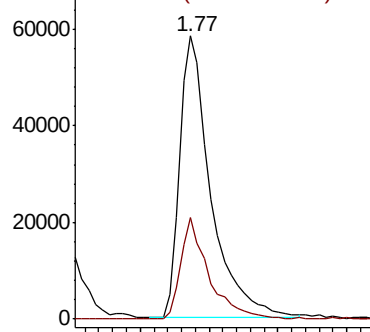
50 100

52 35.9 26.6 39.8

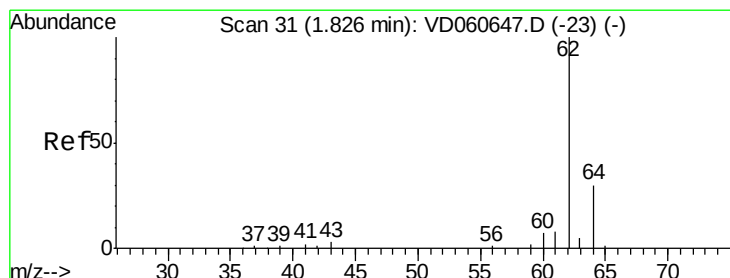
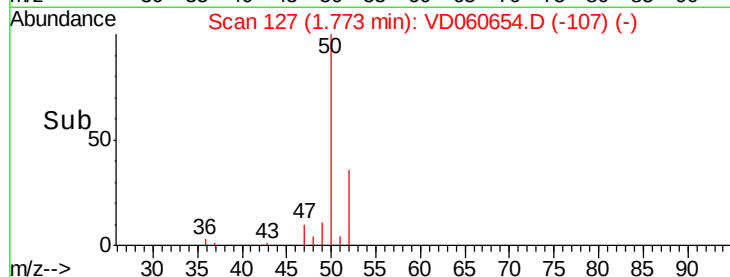


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 9.729 ug/l

RT: 1.87 min Scan# 137

Delta R.T. 0.00 min

Lab File: VD060654.D

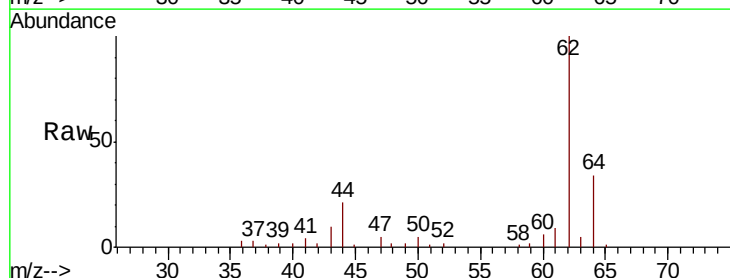
Acq: 20 Dec 2018 11:26

Tgt Ion: 62 Resp: 142810

Ion Ratio Lower Upper

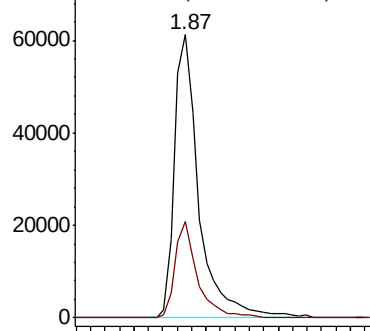
62 100

64 34.0 25.0 37.6

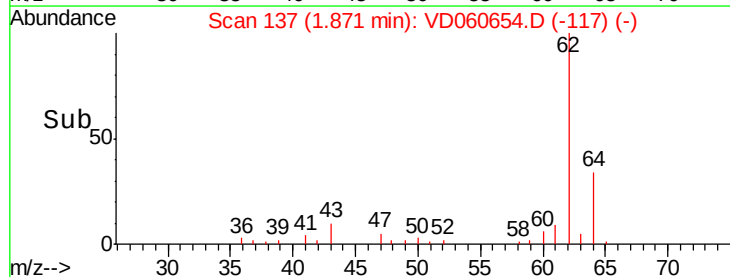


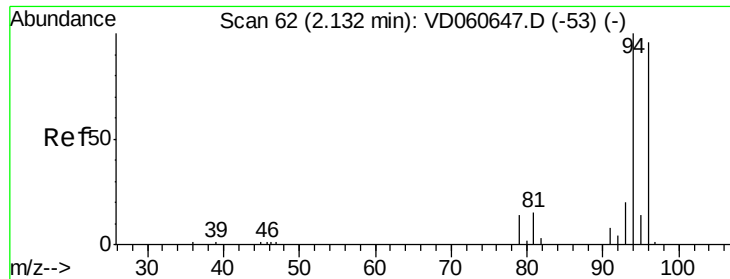
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->

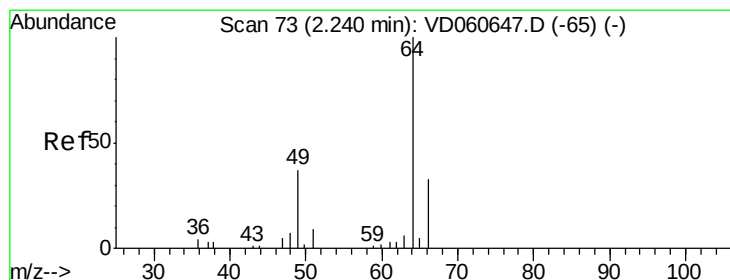
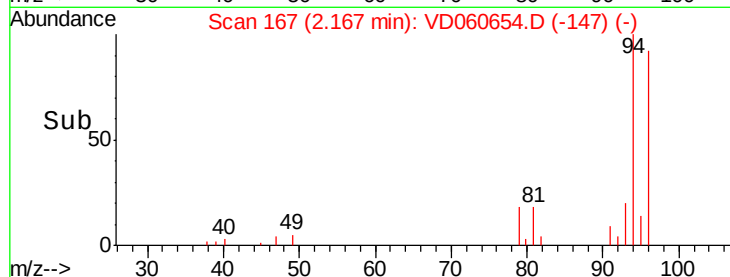
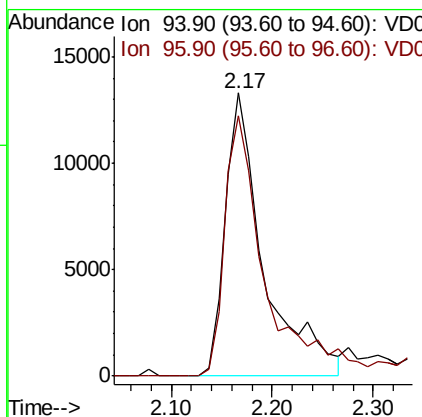
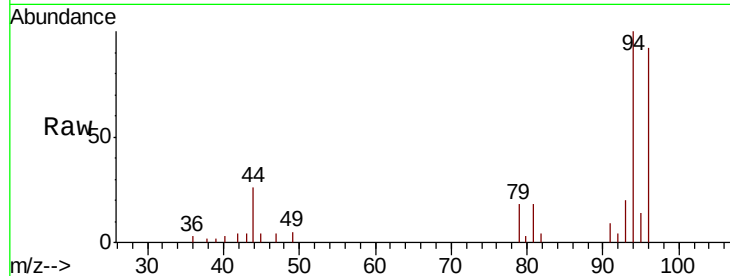




#5
Bromomethane
Concen: 9.288 ug/l
RT: 2.17 min Scan# 167
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

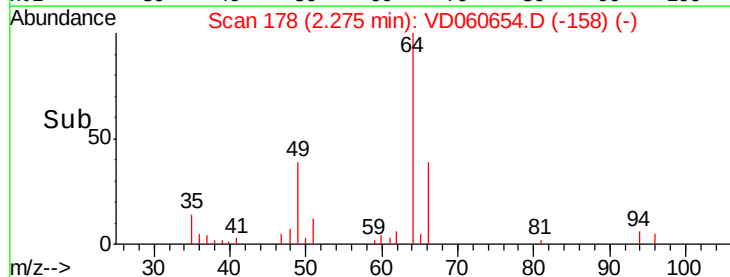
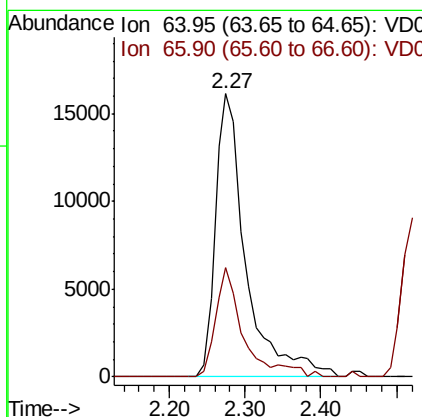
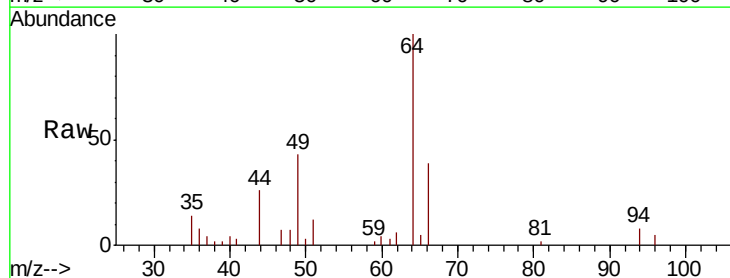
Instrument :
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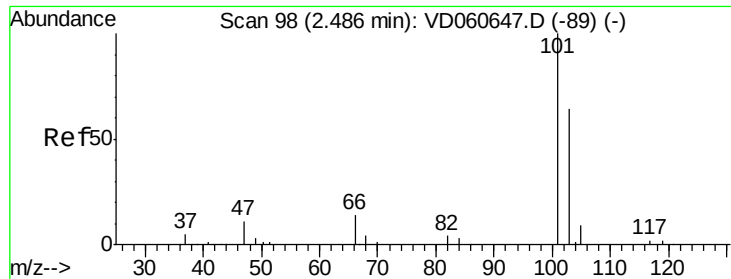
Tgt Ion: 94 Resp: 35452
Ion Ratio Lower Upper
94 100
96 92.2 77.2 115.8



#6
Chloroethane
Concen: 9.278 ug/l
RT: 2.27 min Scan# 178
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 64 Resp: 45212
Ion Ratio Lower Upper
64 100
66 38.6 25.6 38.4#



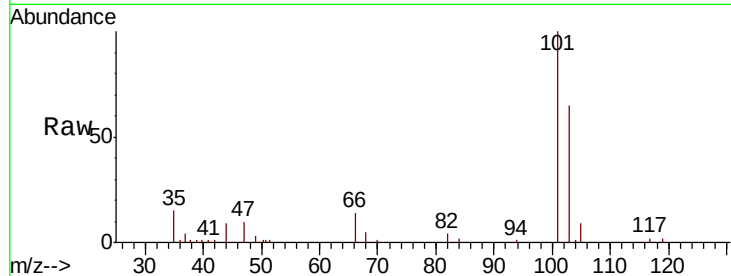


#7

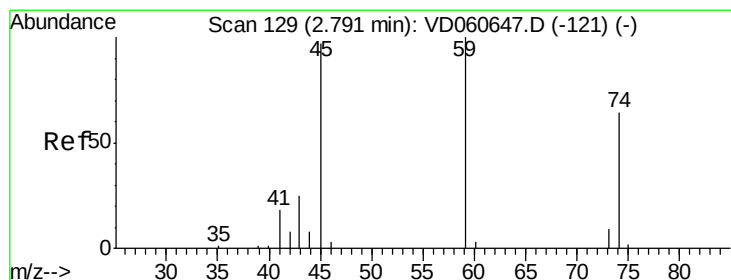
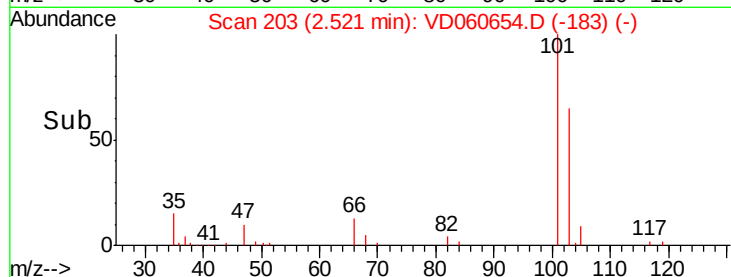
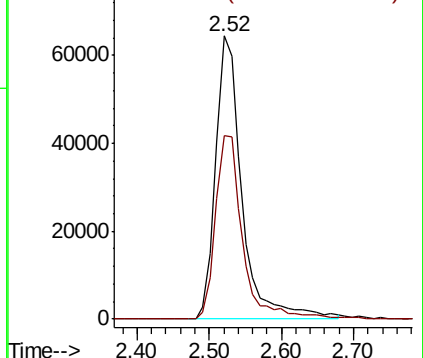
Trichlorofluoromethane
 Concen: 9.555 ug/l
 RT: 2.52 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 101 Resp: 161821
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.9 77.9



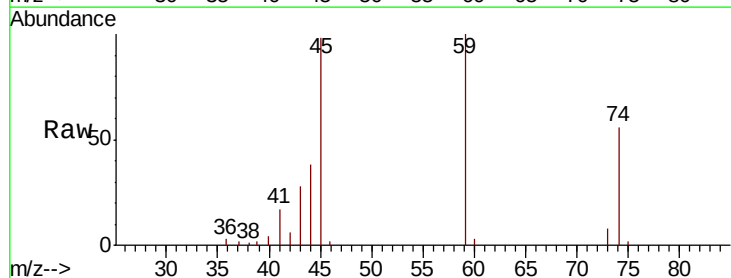
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



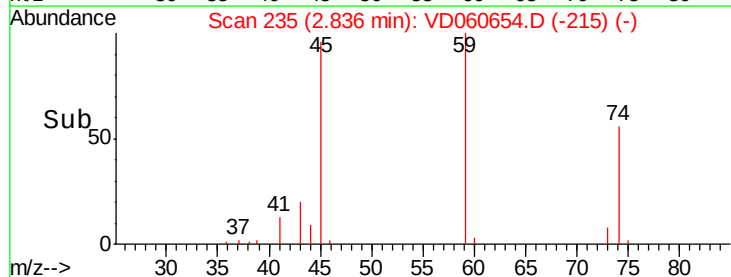
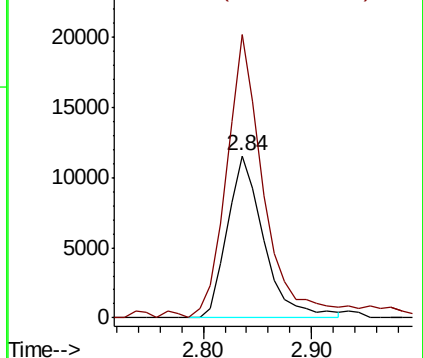
#8

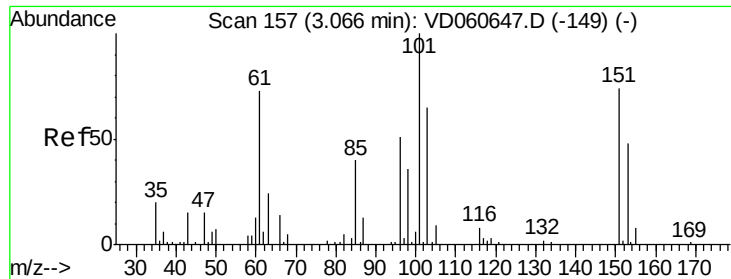
Diethyl Ether
 Concen: 9.853 ug/l
 RT: 2.84 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 74 Resp: 27133
 Ion Ratio Lower Upper
 74 100
 45 174.7 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.116 ug/l

RT: 3.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

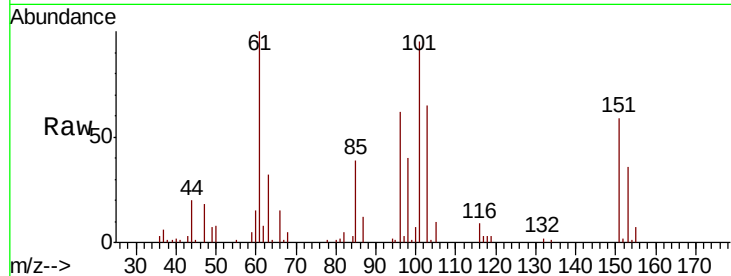
Tgt Ion:101 Resp: 106244

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.0

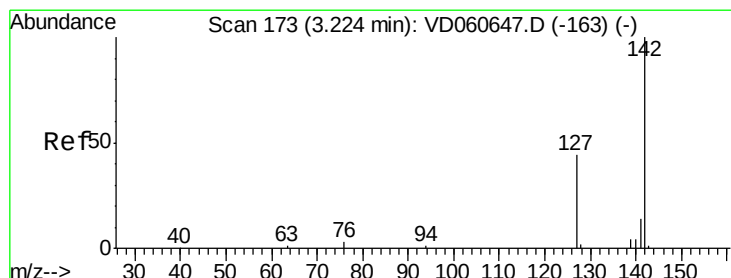
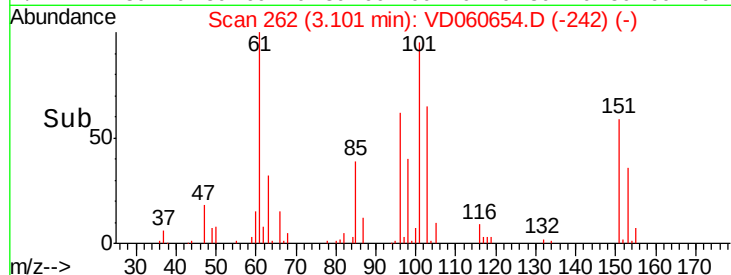
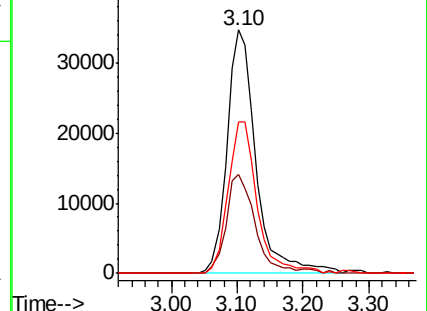
151 62.2 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 8.460 ug/l

RT: 3.26 min Scan# 278

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

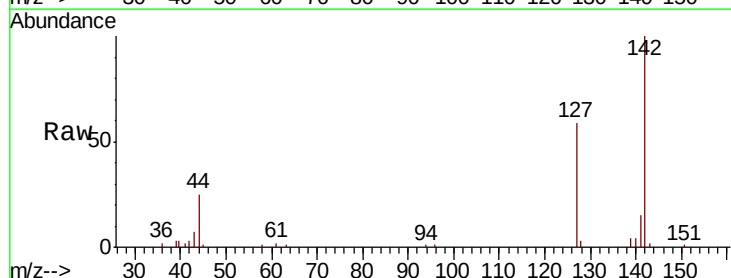
Tgt Ion:142 Resp: 101760

Ion Ratio Lower Upper

142 100

127 59.3 39.5 59.3#

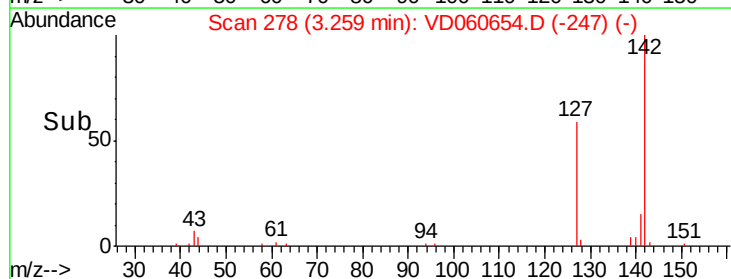
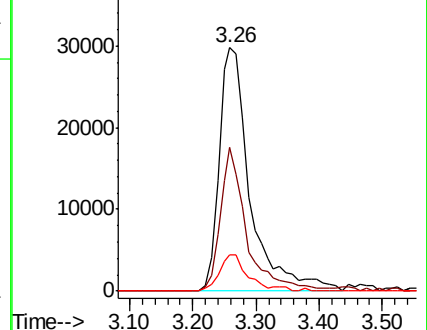
141 14.7 11.3 16.9

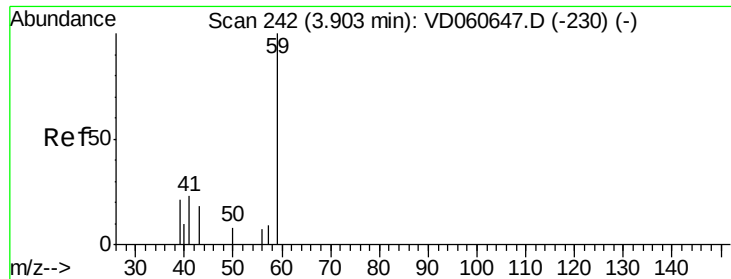


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



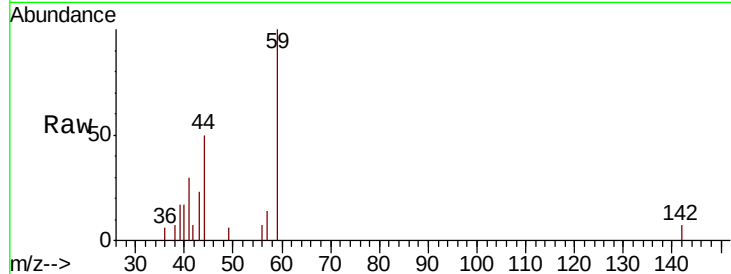


#11

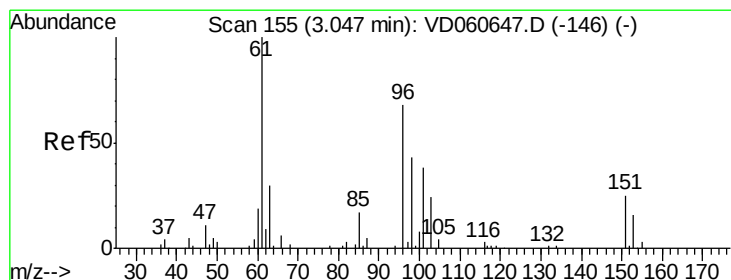
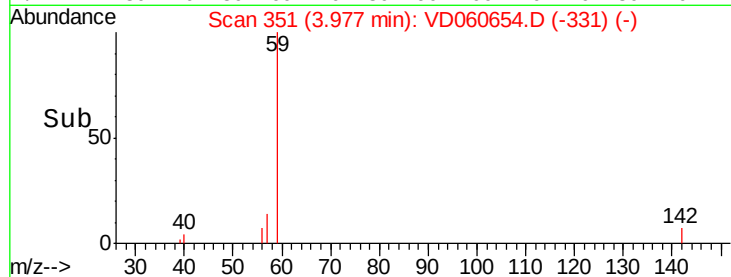
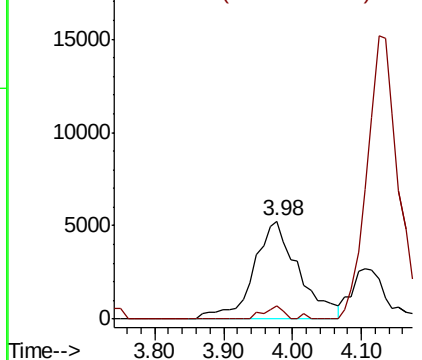
Tert butyl alcohol
 Concen: 51.645 ug/l
 RT: 3.98 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 59 Resp: 24023
 Ion Ratio Lower Upper
 59 100
 57 13.5 7.8 11.6#



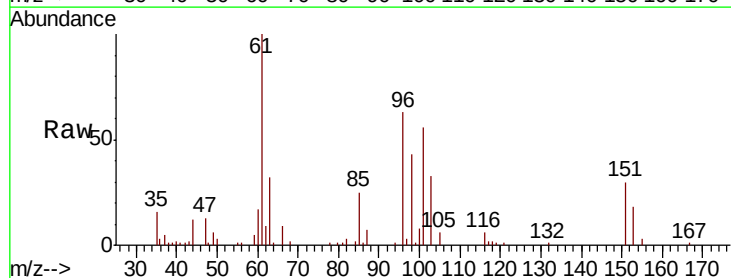
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



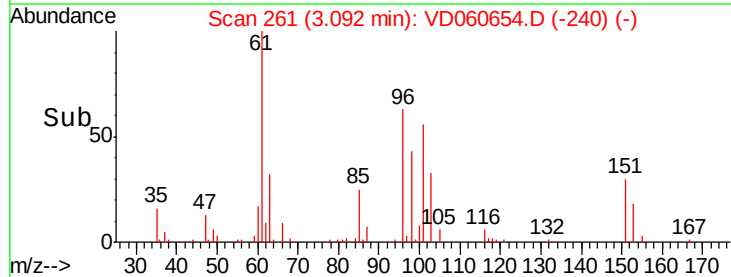
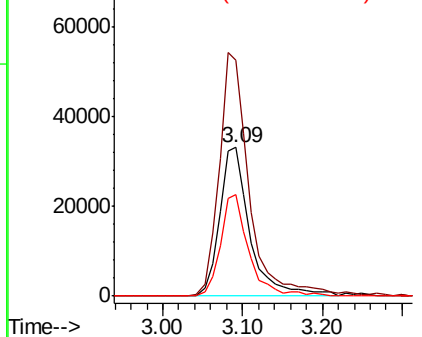
#12

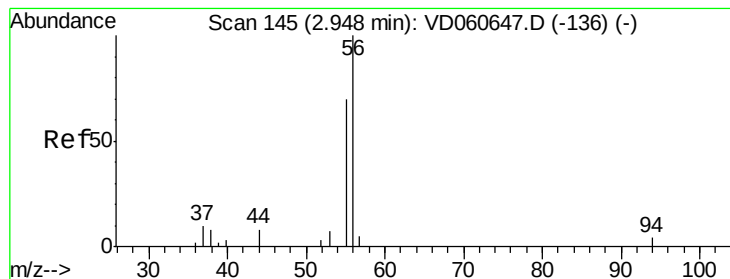
1,1-Dichloroethene
 Concen: 10.447 ug/l
 RT: 3.09 min Scan# 261
 Delta R.T. 0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 96 Resp: 88617
 Ion Ratio Lower Upper
 96 100
 61 158.5 136.2 204.4
 98 68.6 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 64.562 ug/l

RT: 2.99 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

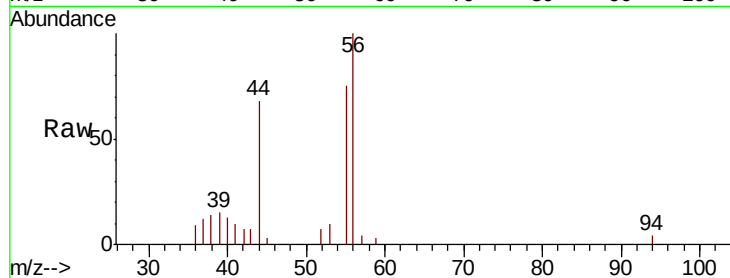
VSTDIC010

Tgt Ion: 56 Resp: 26269

Ion Ratio Lower Upper

56 100

55 74.6 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

10000

8000

6000

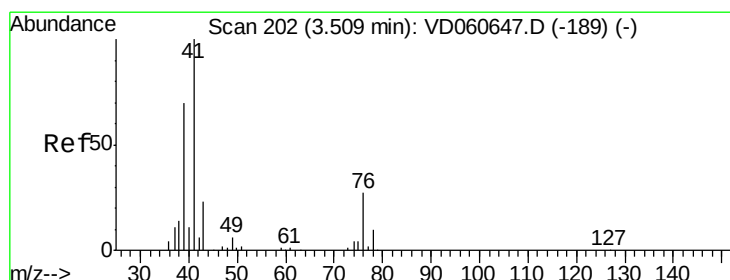
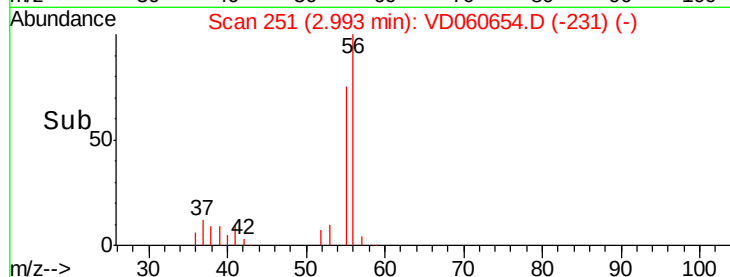
4000

2000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 10.051 ug/l

RT: 3.54 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

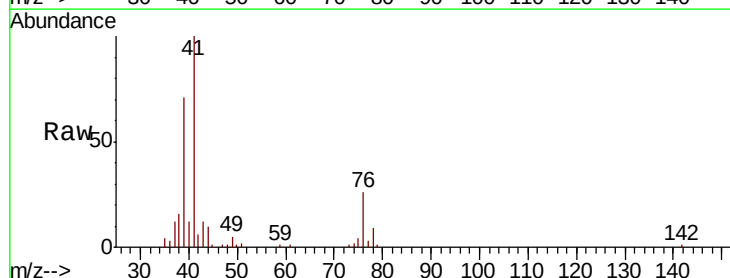
Tgt Ion: 41 Resp: 162118

Ion Ratio Lower Upper

41 100

39 71.4 59.6 89.4

76 26.0 21.8 32.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

80000

60000

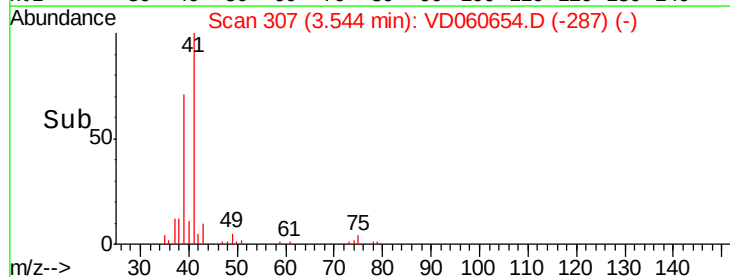
40000

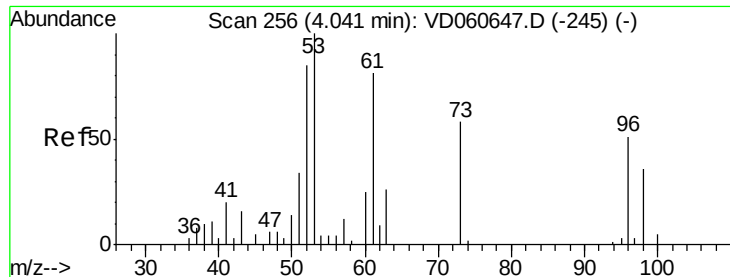
20000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 51.303 ug/l

RT: 4.10 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

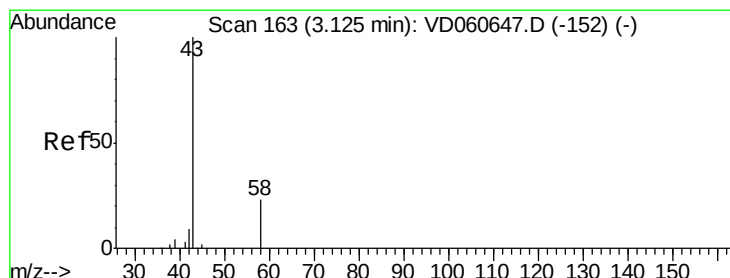
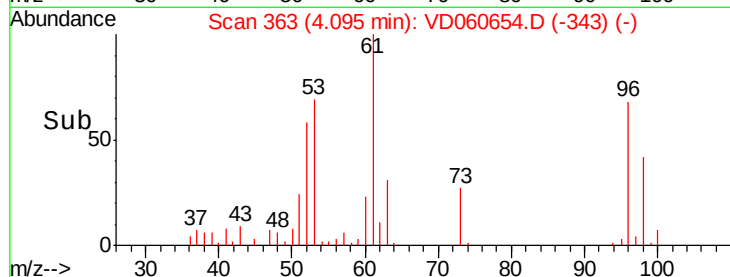
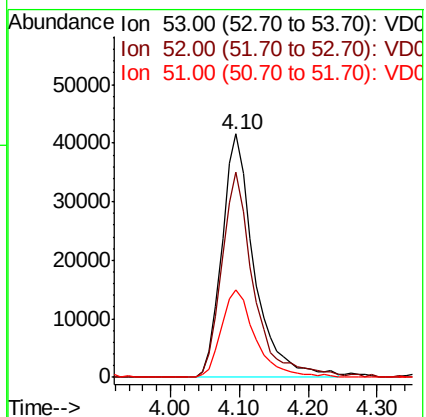
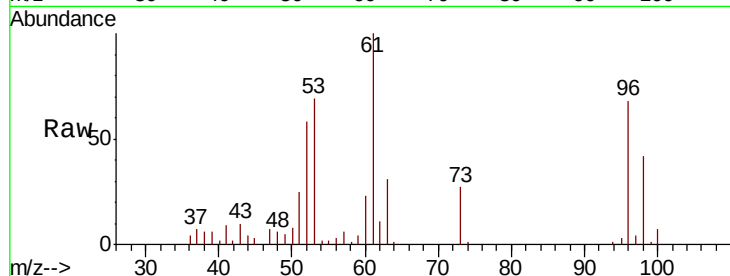
Tgt Ion: 53 Resp: 135222

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

51 35.9 32.7 49.1



#16

Acetone

Concen: 52.239 ug/l

RT: 3.17 min Scan# 269

Delta R.T. 0.00 min

Lab File: VD060654.D

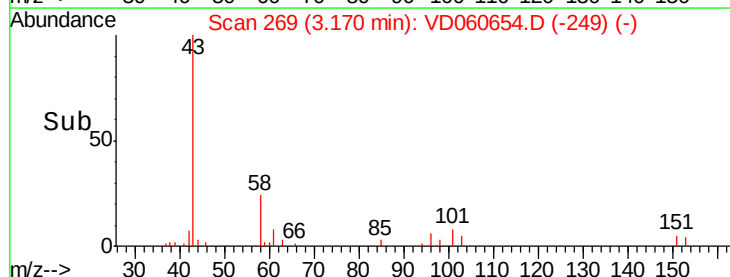
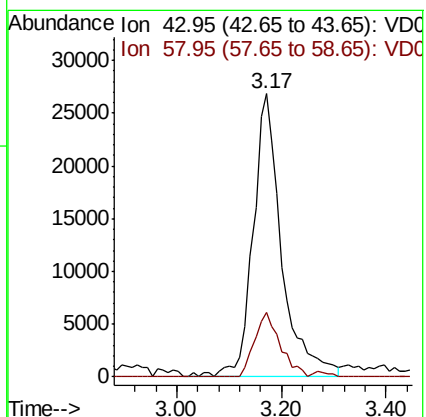
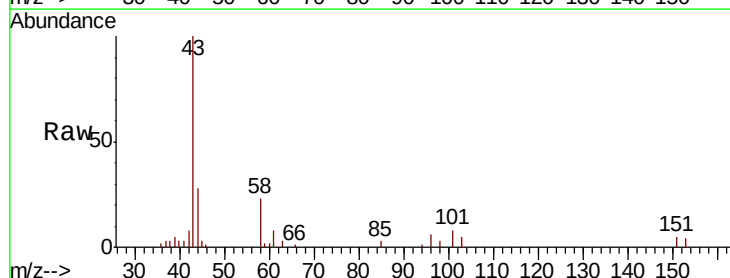
Acq: 20 Dec 2018 11:26

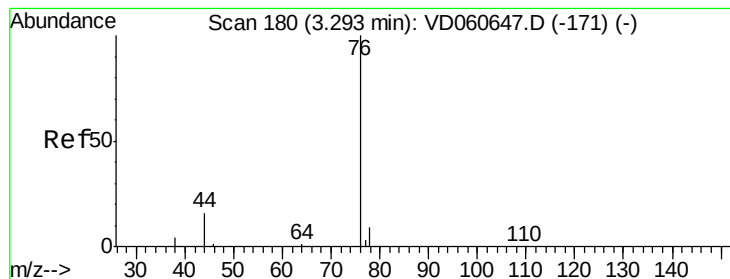
Tgt Ion: 43 Resp: 100481

Ion Ratio Lower Upper

43 100

58 23.0 18.2 27.2





#17

Carbon Disulfide

Concen: 9.762 ug/l

RT: 3.33 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

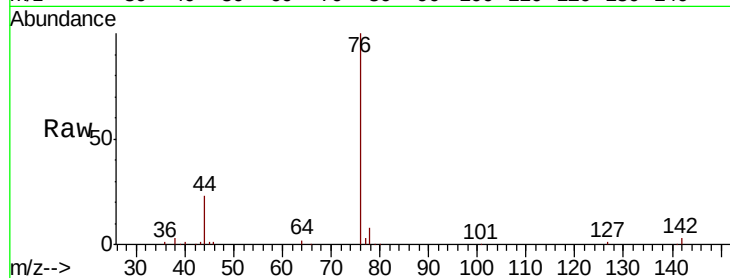
VSTDIC010

Tgt Ion: 76 Resp: 277121

Ion Ratio Lower Upper

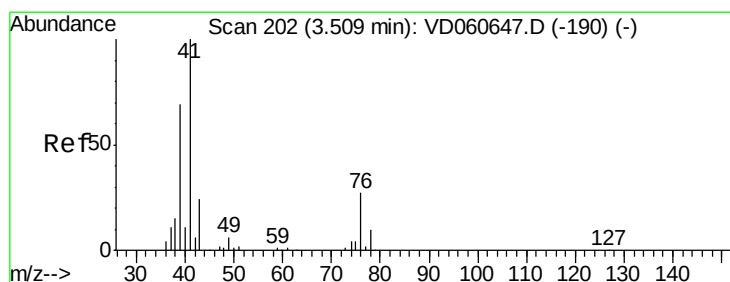
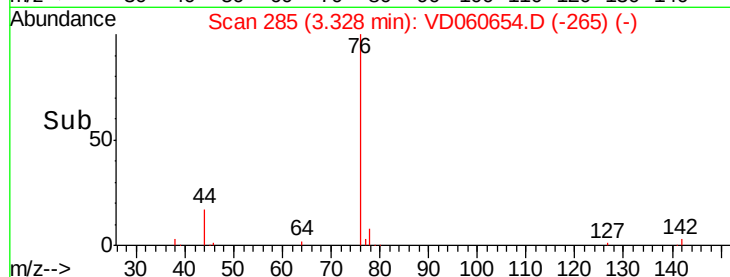
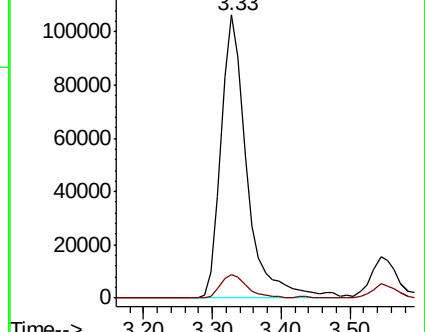
76 100

78 8.1 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 10.047 ug/l

RT: 3.56 min Scan# 309

Delta R.T. 0.00 min

Lab File: VD060654.D

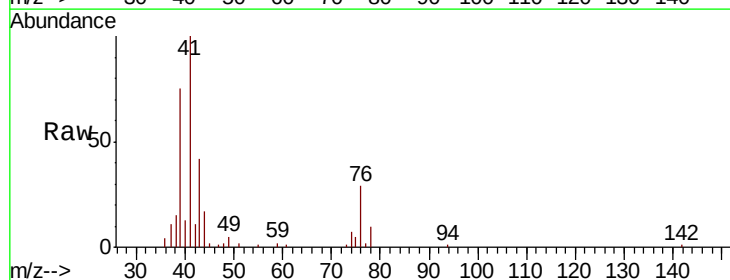
Acq: 20 Dec 2018 11:26

Tgt Ion: 43 Resp: 48316

Ion Ratio Lower Upper

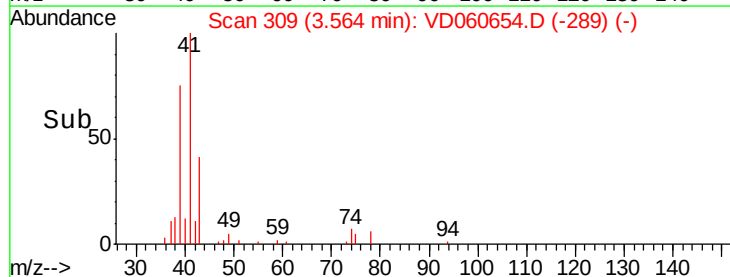
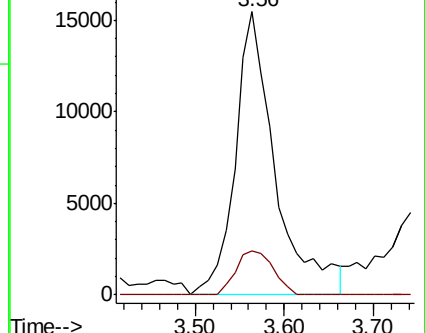
43 100

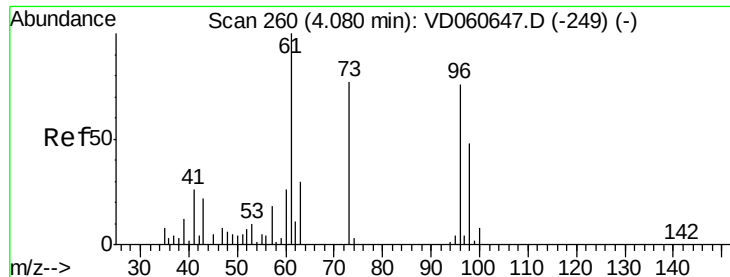
74 15.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

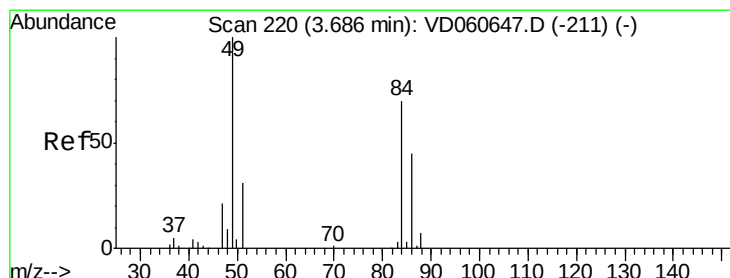
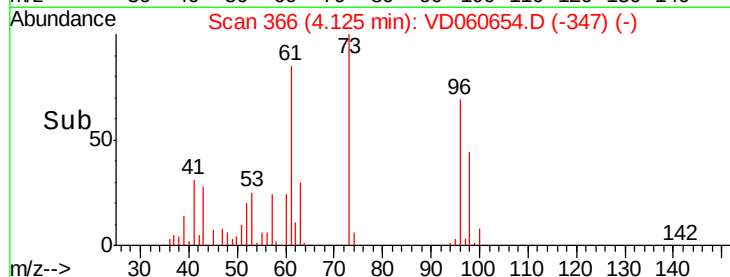
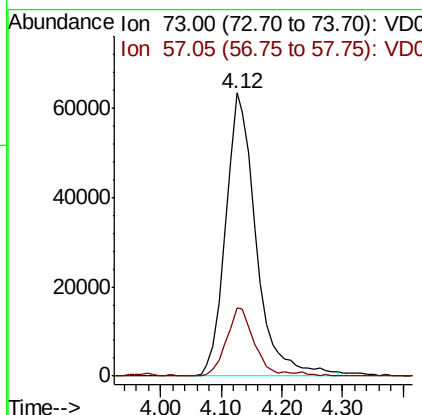
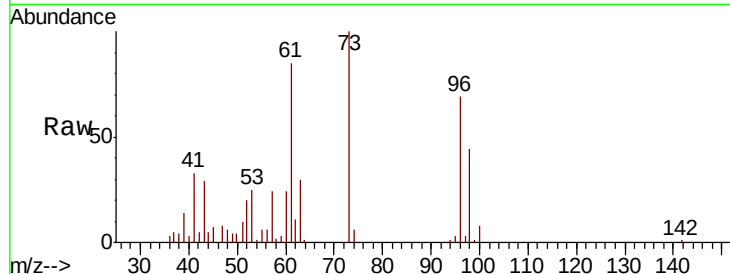




#19
Methyl tert-butyl Ether
Concen: 9.728 ug/l
RT: 4.12 min Scan# 366
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

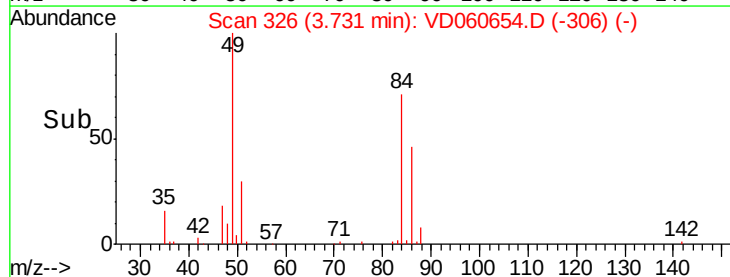
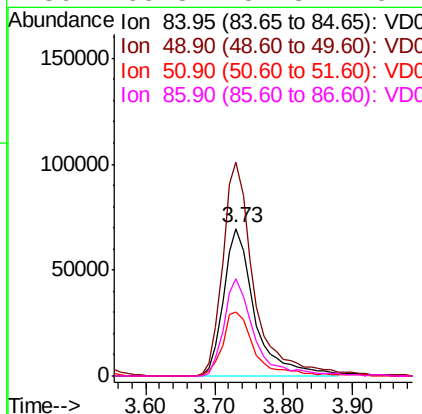
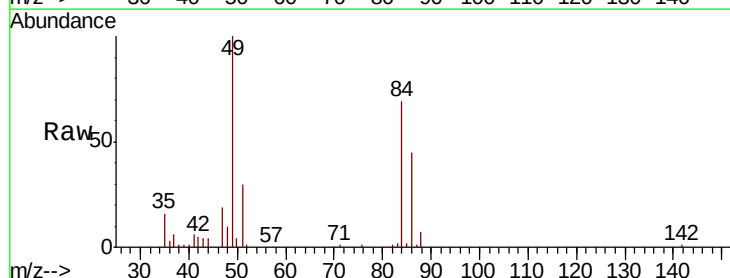
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

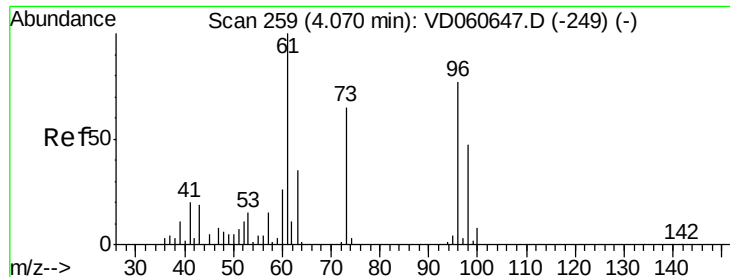
Tgt Ion: 73 Resp: 221552
Ion Ratio Lower Upper
73 100
57 23.9 17.6 26.4



#20
Methylene Chloride
Concen: 12.660 ug/l
RT: 3.73 min Scan# 326
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 84 Resp: 217957
Ion Ratio Lower Upper
84 100
49 144.7 113.6 170.4
51 43.7 34.7 52.1
86 65.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 9.941 ug/l

RT: 4.12 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

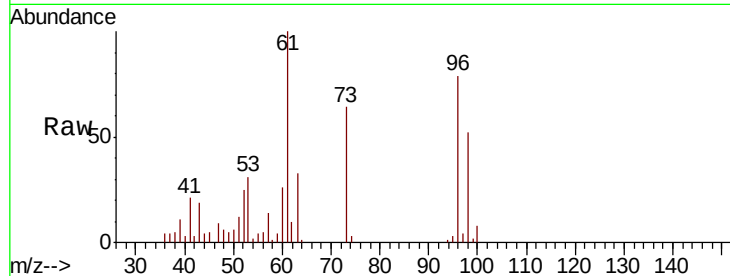
Tgt Ion: 96 Resp: 178134

Ion Ratio Lower Upper

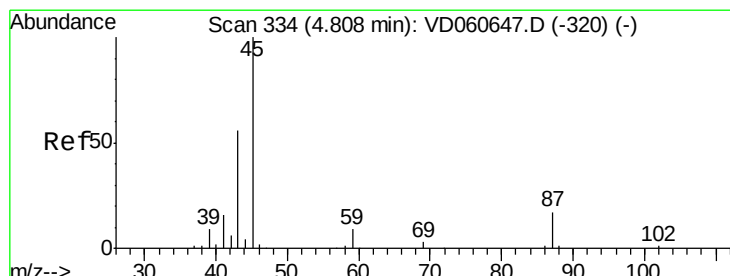
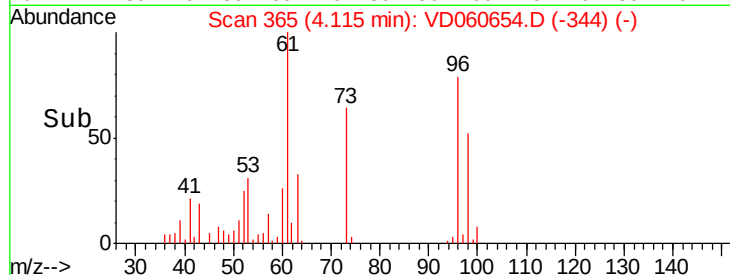
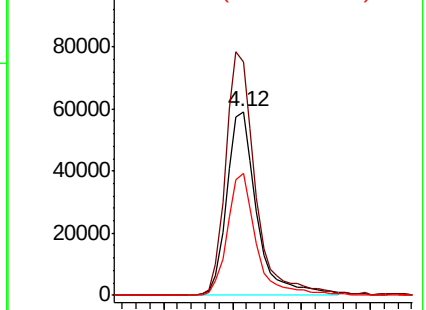
96 100

61 127.1 104.2 156.2

98 66.5 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 9.984 ug/l

RT: 4.86 min Scan# 441

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Tgt Ion: 45 Resp: 546299

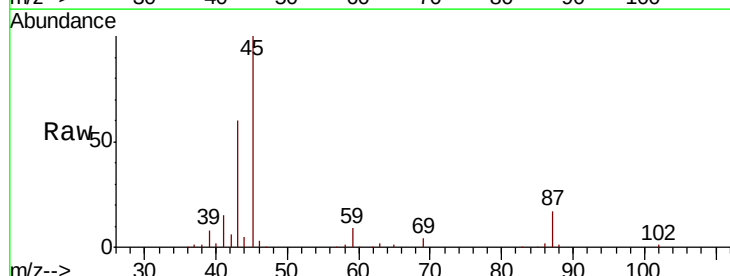
Ion Ratio Lower Upper

45 100

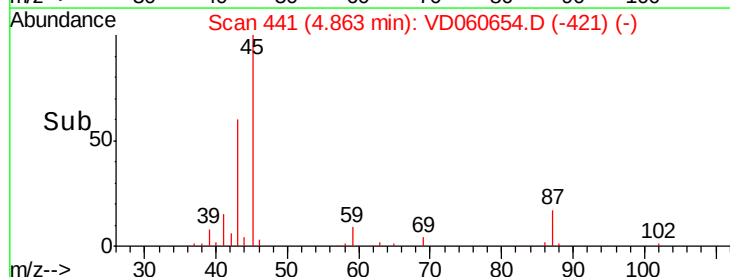
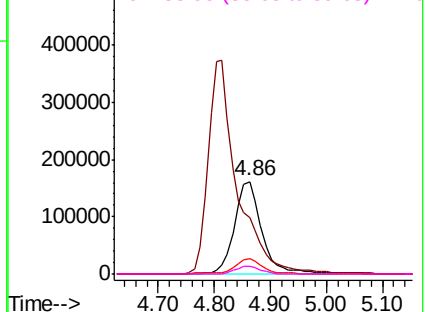
43 60.2 46.1 69.1

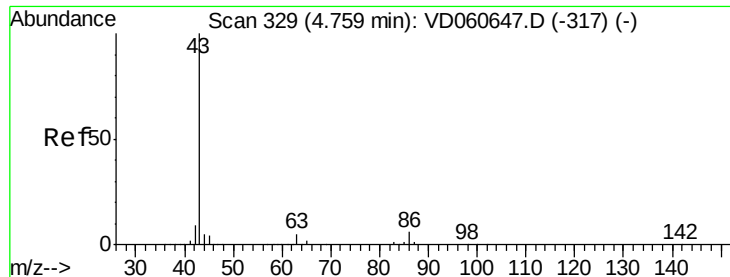
87 17.0 13.7 20.5

59 8.7 7.4 11.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

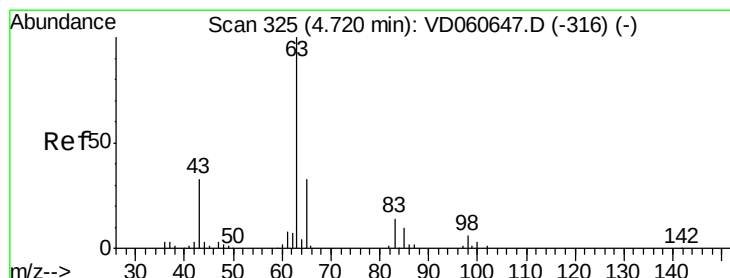
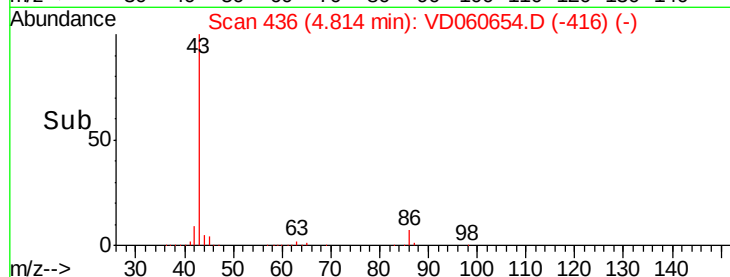
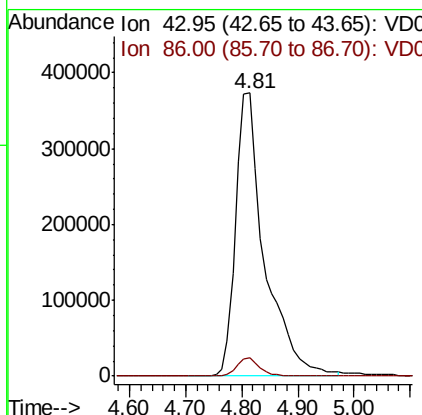
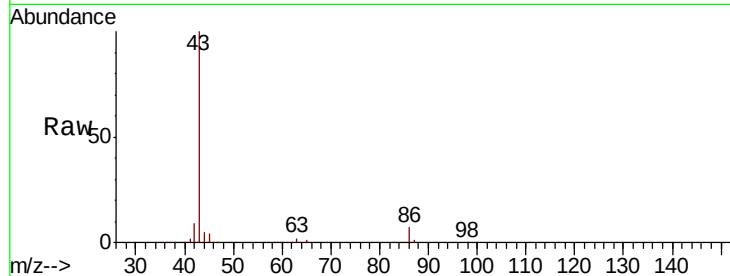




#23
 Vinyl Acetate
 Concen: 49.695 ug/l
 RT: 4.81 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

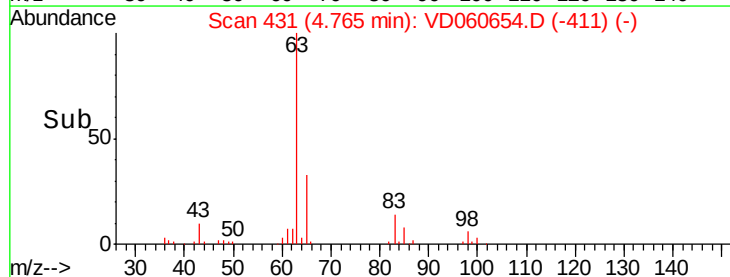
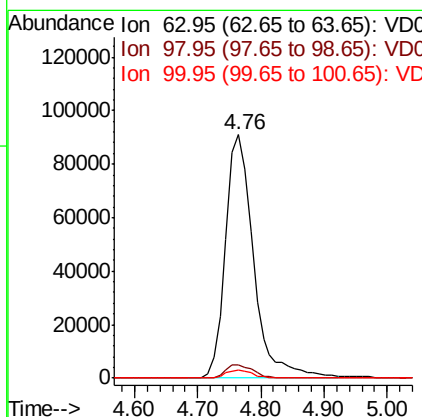
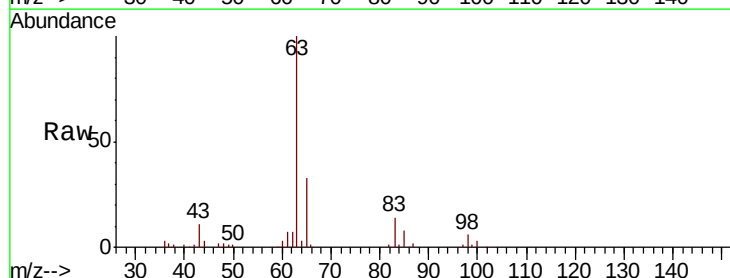
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

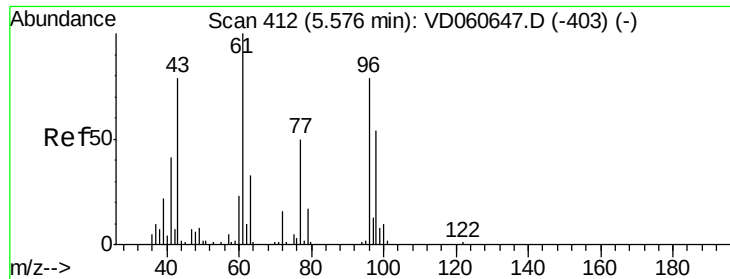
Tgt Ion: 43 Resp: 1335571
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 9.834 ug/l
 RT: 4.76 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 63 Resp: 281931
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.7
 100 3.2 2.0 5.8

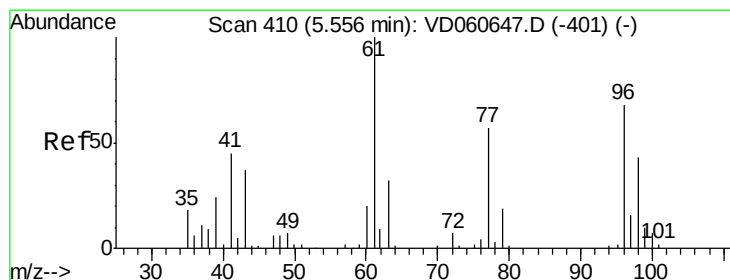
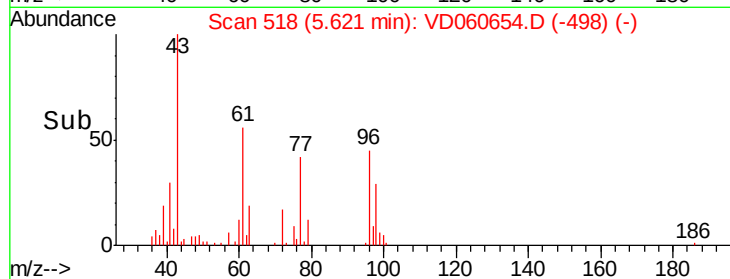
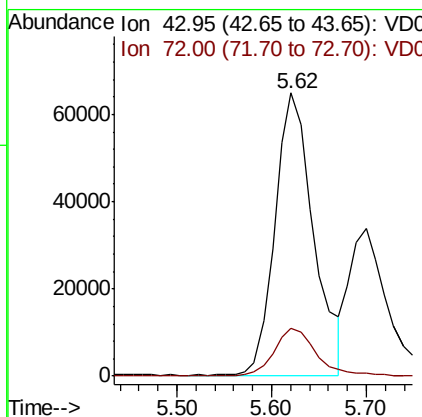
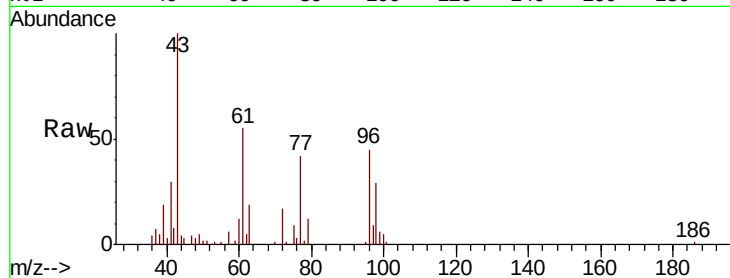




#25
2-Butanone
Concen: 48.508 ug/l
RT: 5.62 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

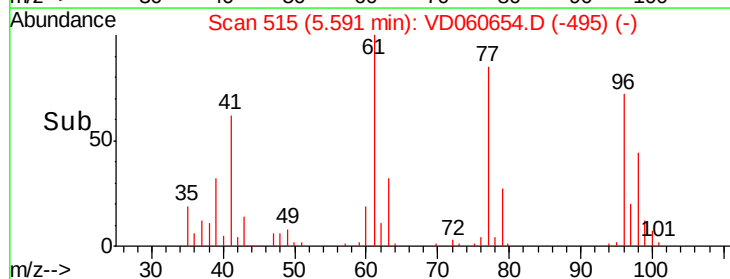
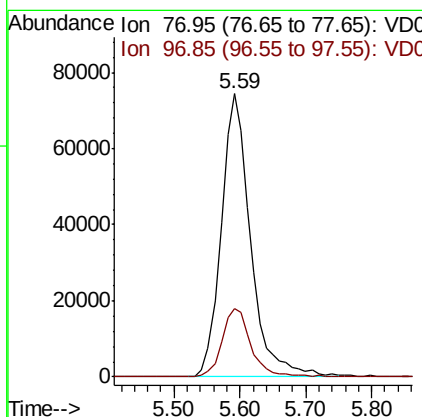
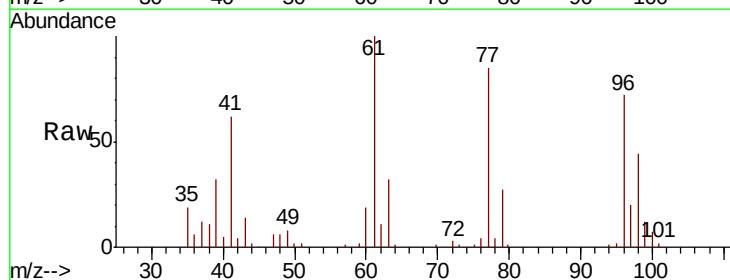
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

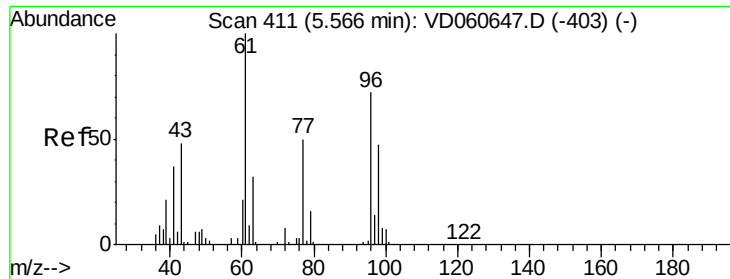
Tgt Ion: 43 Resp: 184625
Ion Ratio Lower Upper
43 100
72 17.0 13.7 20.5



#26
2,2-Dichloropropane
Concen: 10.088 ug/l
RT: 5.59 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 77 Resp: 230447
Ion Ratio Lower Upper
77 100
97 24.2 13.0 39.0



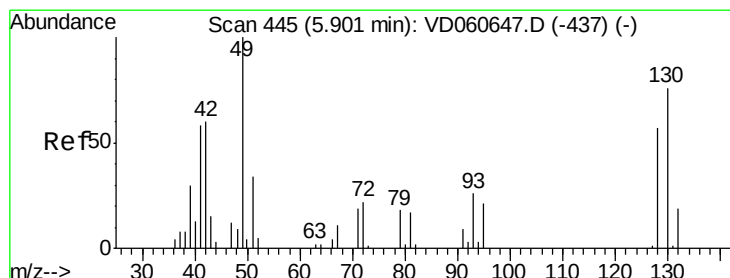
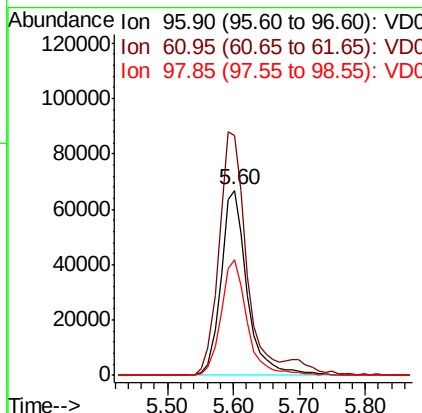
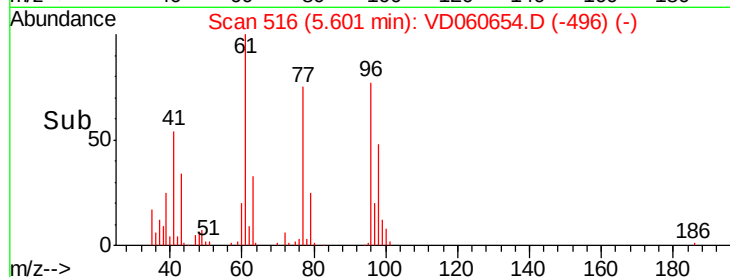
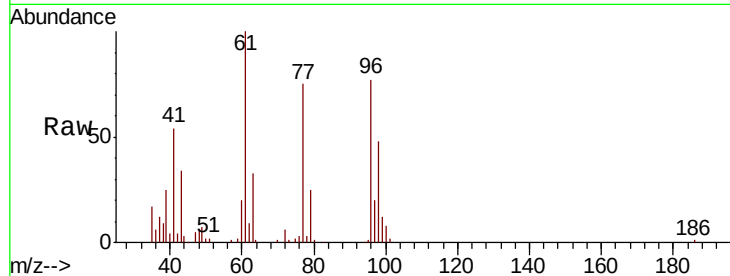


#27

cis-1,2-Dichloroethene
Concen: 10.019 ug/l
RT: 5.60 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

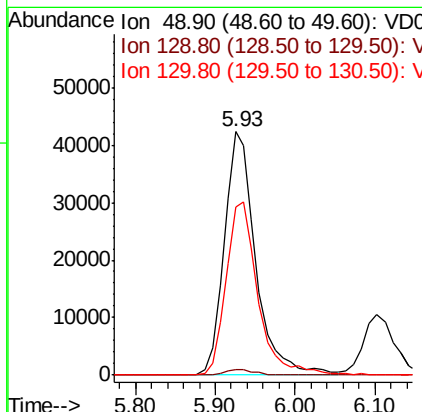
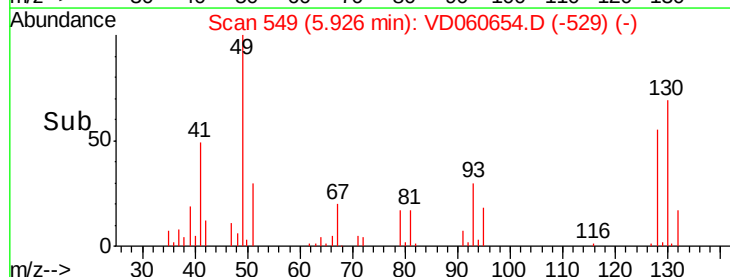
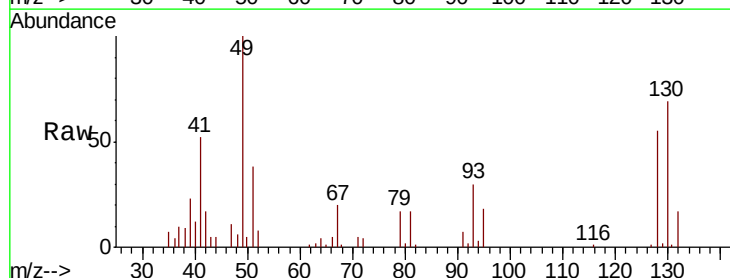
Tgt Ion: 96 Resp: 184005
Ion Ratio Lower Upper
96 100
61 129.4 0.0 259.4
98 62.2 0.0 130.0

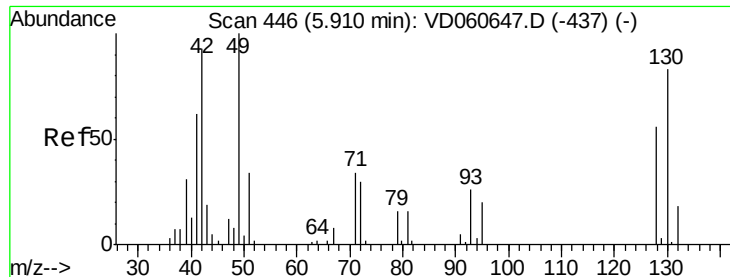


#28

Bromochloromethane
Concen: 9.790 ug/l
RT: 5.93 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 49 Resp: 116862
Ion Ratio Lower Upper
49 100
129 2.5 0.0 3.4
130 68.9 56.2 84.2

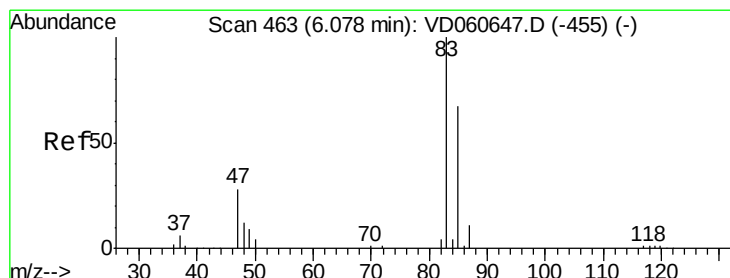
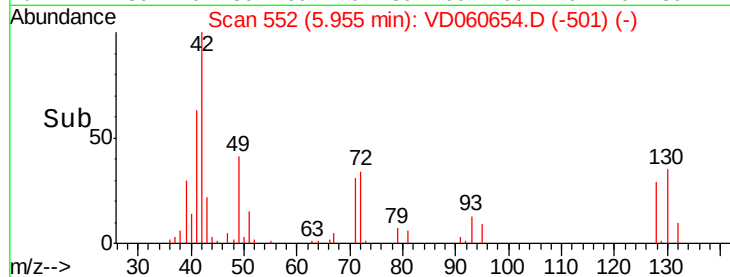
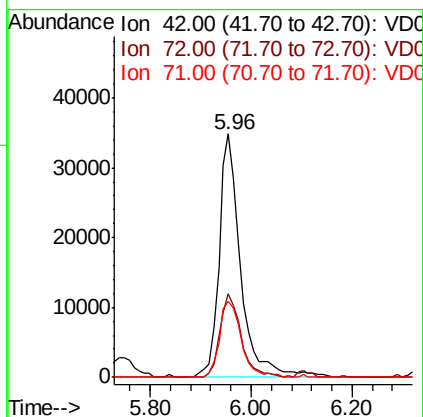
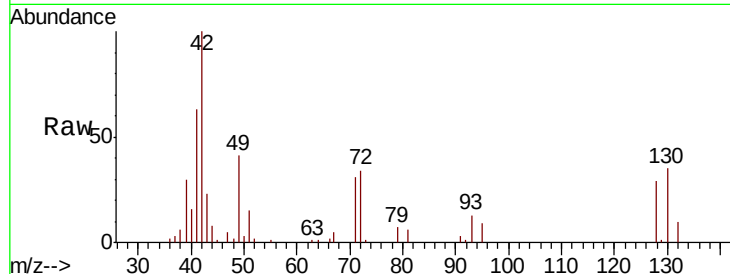




#29
Tetrahydrofuran
Concen: 49.793 ug/l
RT: 5.96 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

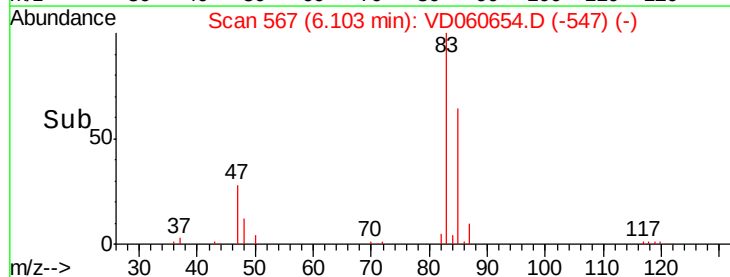
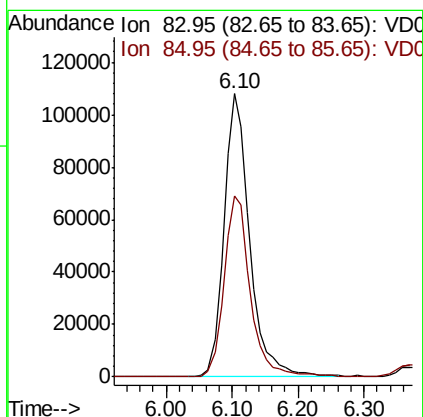
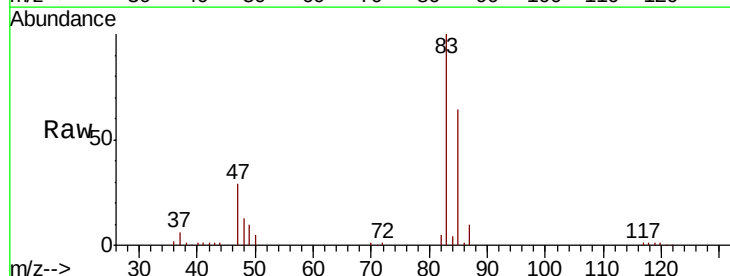
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

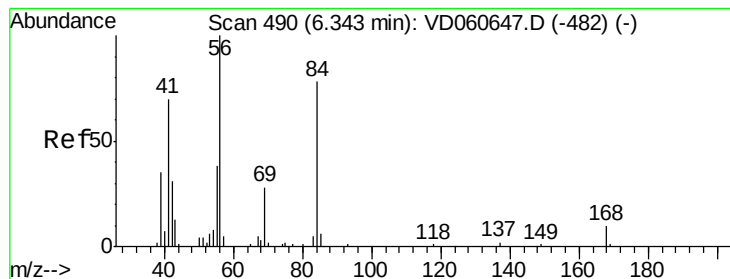
Tgt Ion: 42 Resp: 104021
Ion Ratio Lower Upper
42 100
72 33.4 28.0 42.0
71 31.7 27.0 40.6



#30
Chloroform
Concen: 10.124 ug/l
RT: 6.10 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 83 Resp: 293262
Ion Ratio Lower Upper
83 100
85 63.7 53.0 79.6





#31

Cyclohexane

Concen: 10.157 ug/l

RT: 6.37 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

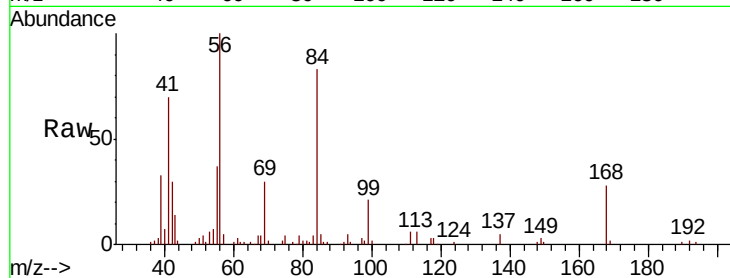
Tgt Ion: 56 Resp: 280808

Ion Ratio Lower Upper

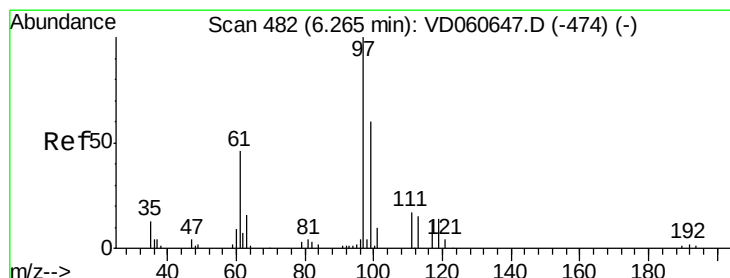
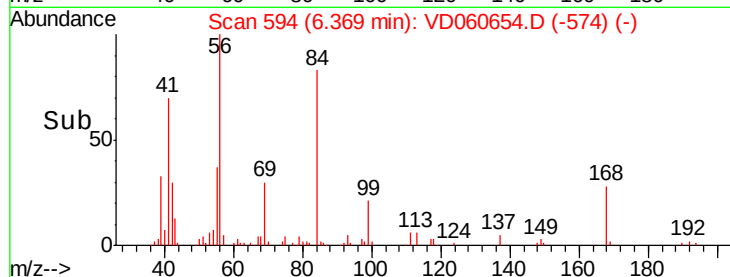
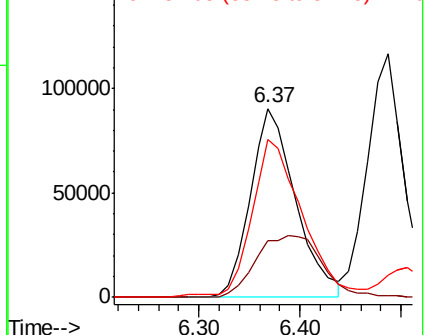
56 100

69 30.1 23.6 35.4

84 83.5 65.8 98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 9.698 ug/l

RT: 6.29 min Scan# 586

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

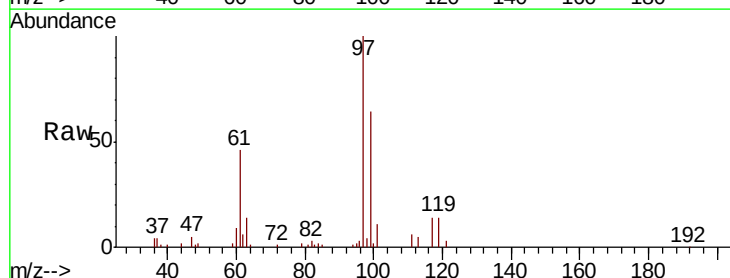
Tgt Ion: 97 Resp: 233307

Ion Ratio Lower Upper

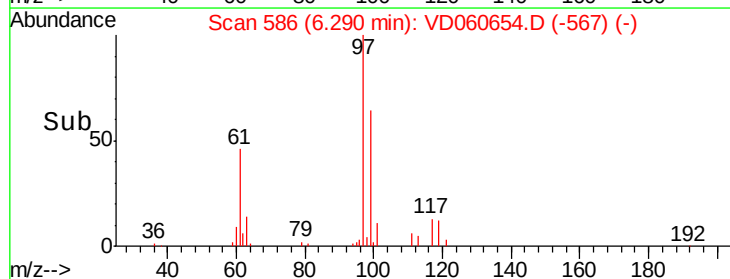
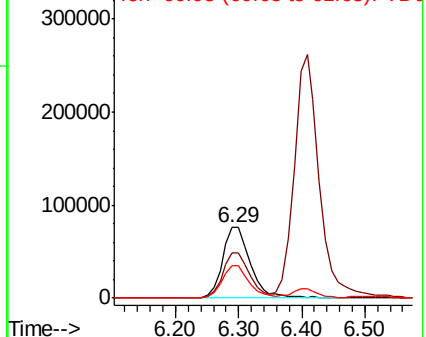
97 100

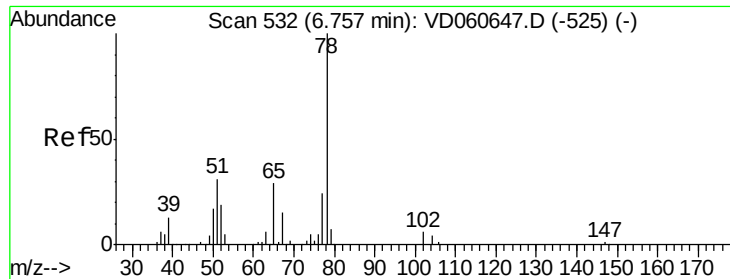
99 64.1 50.5 75.7

61 46.3 34.6 51.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

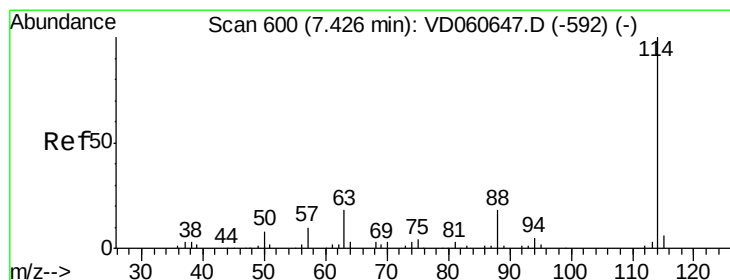
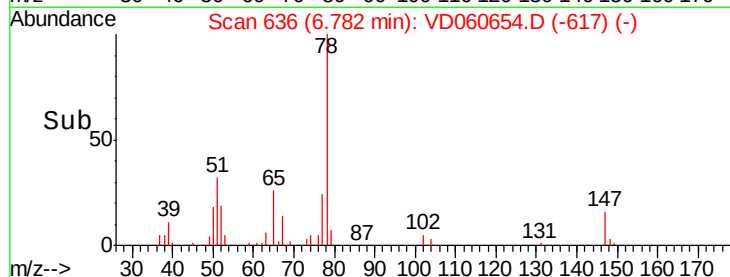
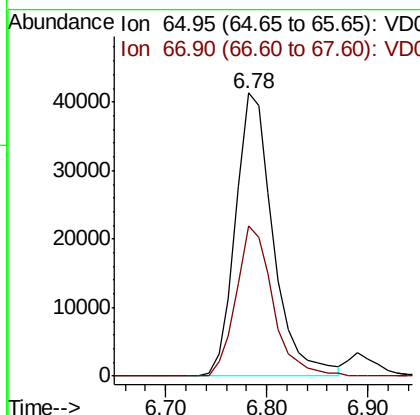
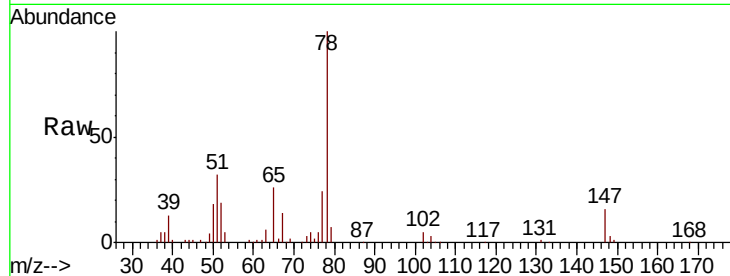




#33
 1,2-Dichloroethane-d4
 Concen: 9.698 ug/l
 RT: 6.78 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

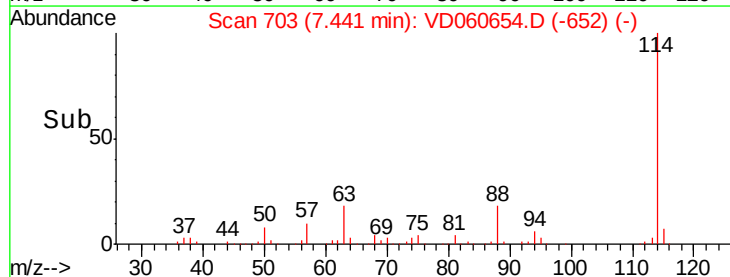
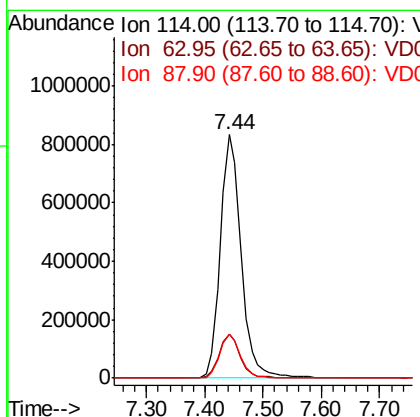
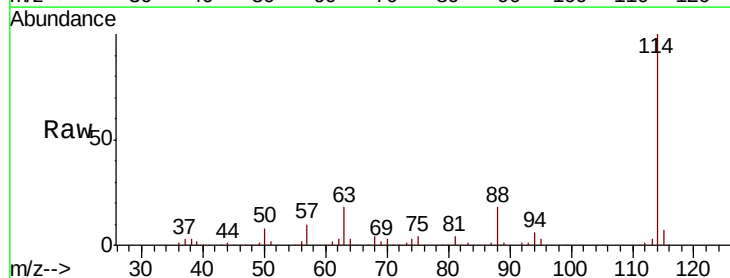
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

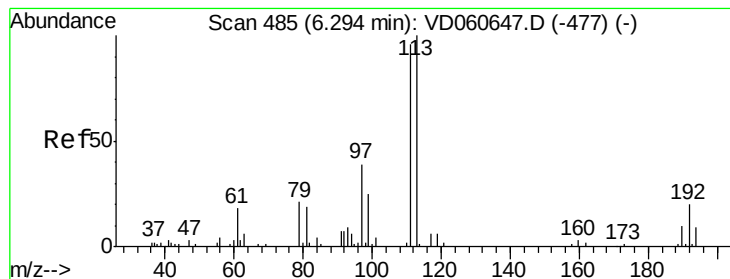
Tgt Ion: 65 Resp: 107119
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 114 Resp: 2069590
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.2
 88 17.9 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 590

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

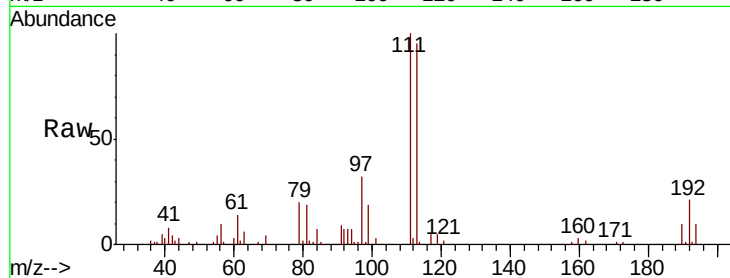
Tgt Ion: 113 Resp: 151599

Ion Ratio Lower Upper

113 100

111 105.7 80.0 120.0

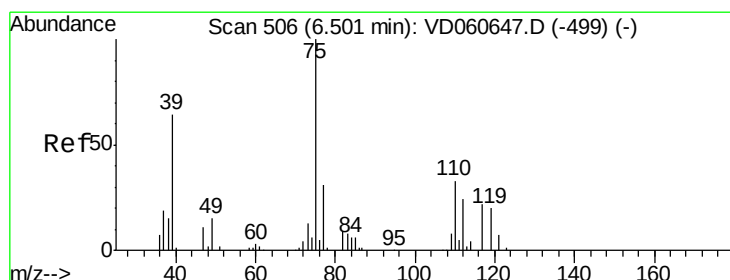
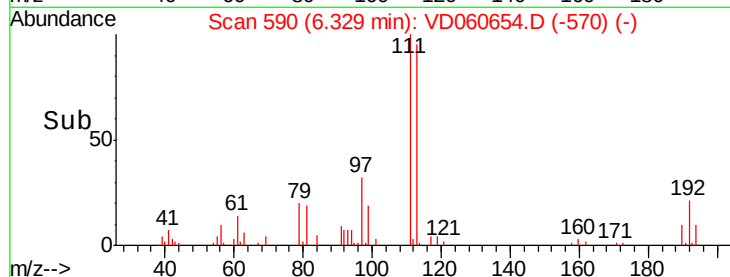
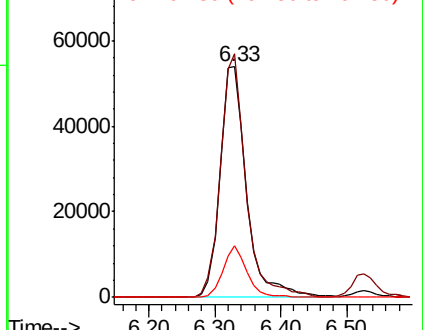
192 22.3 16.6 25.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 10.520 ug/l

RT: 6.53 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

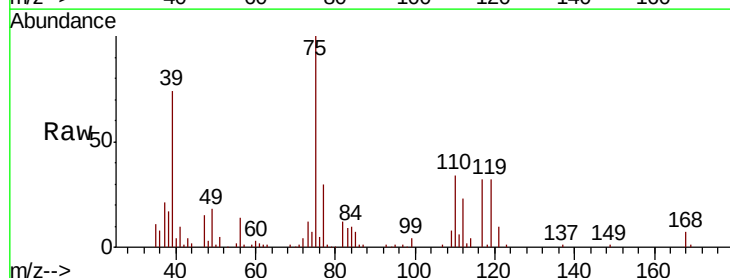
Tgt Ion: 75 Resp: 232429

Ion Ratio Lower Upper

75 100

110 34.3 18.9 56.7

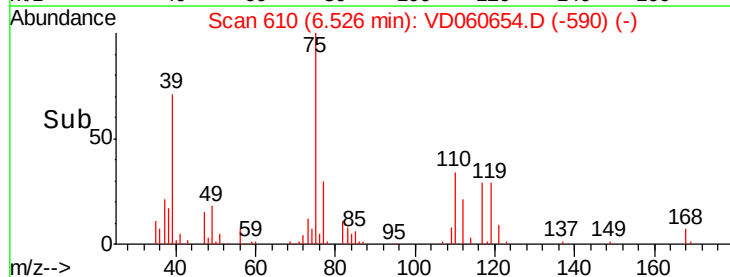
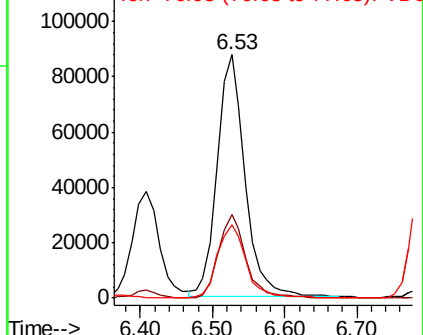
77 30.3 25.4 38.0

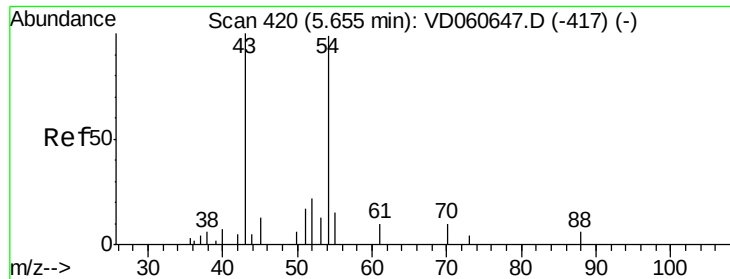


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

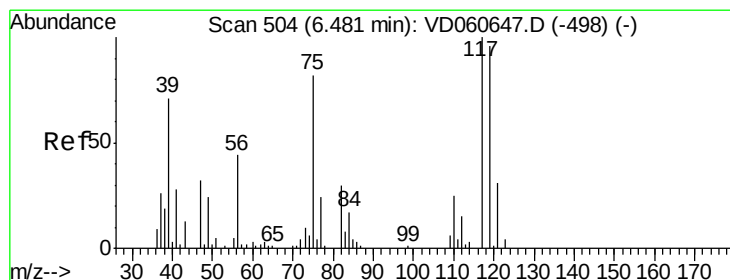
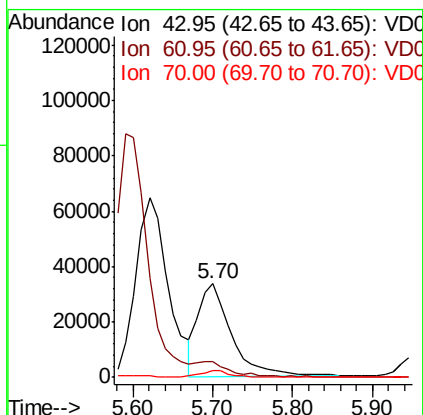
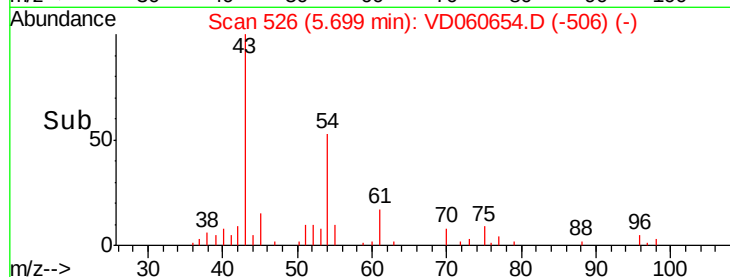
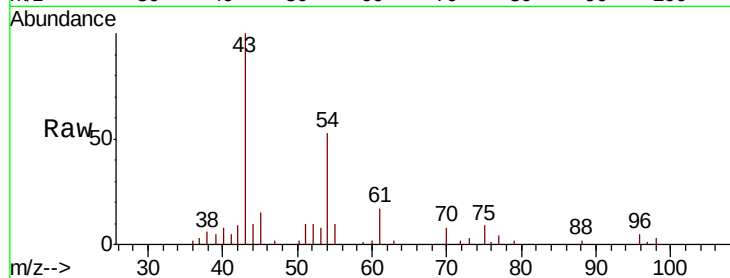




#37
Ethyl Acetate
Concen: 10.570 ug/l
RT: 5.70 min Scan# 526
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

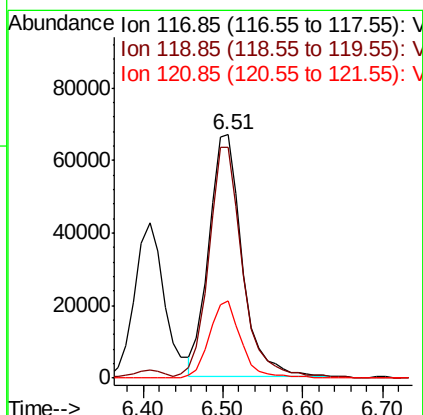
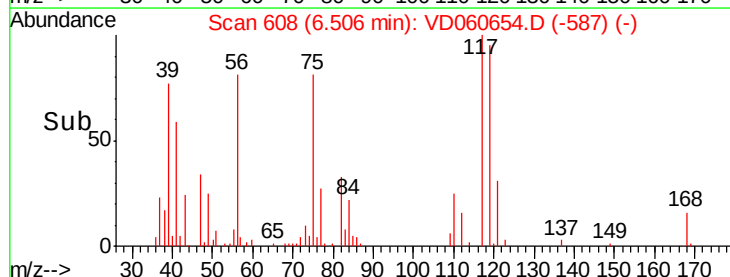
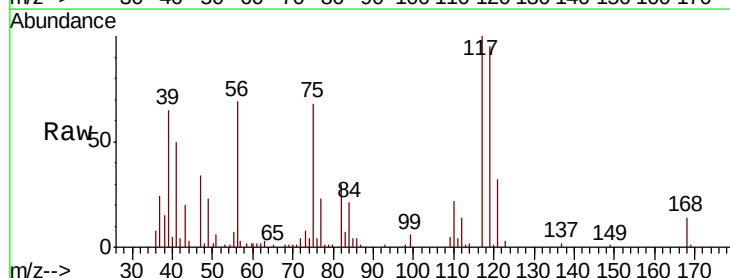
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

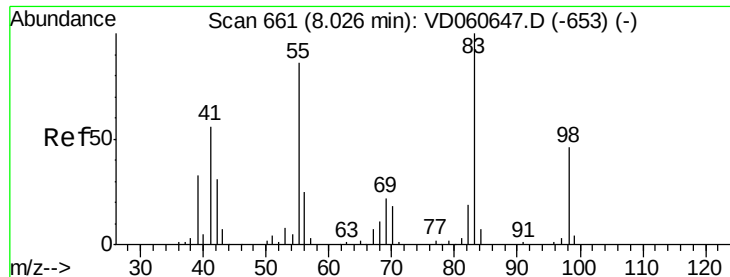
Tgt Ion: 43 Resp: 96395
Ion Ratio Lower Upper
43 100
61 17.3 11.8 17.6
70 7.8 5.8 8.6



#38
Carbon Tetrachloride
Concen: 9.796 ug/l
RT: 6.51 min Scan# 608
Delta R.T. 0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 117 Resp: 195267
Ion Ratio Lower Upper
117 100
119 95.1 77.0 115.4
121 31.6 24.7 37.1

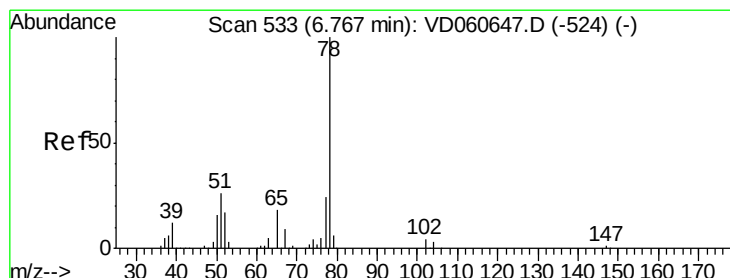
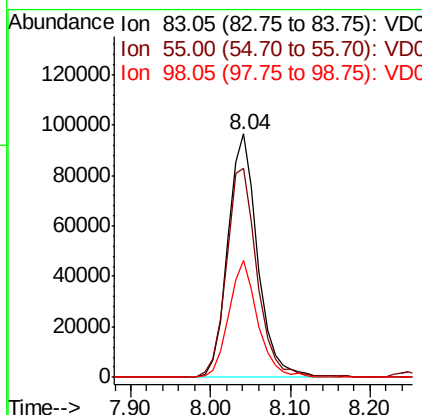
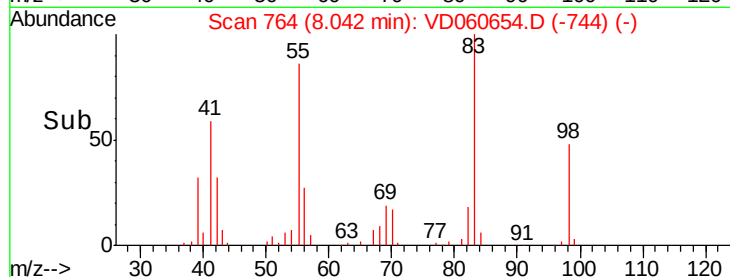
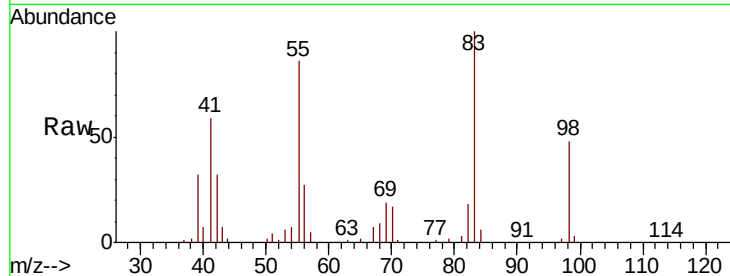




#39
Methylcyclohexane
Concen: 9.706 ug/l
RT: 8.04 min Scan# 764
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

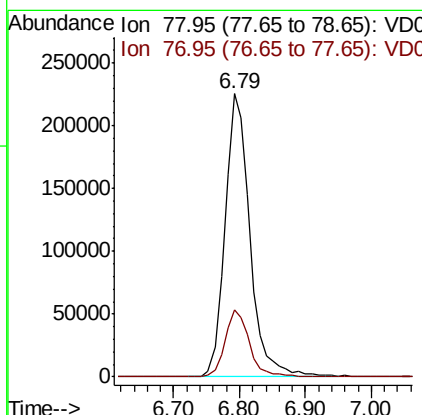
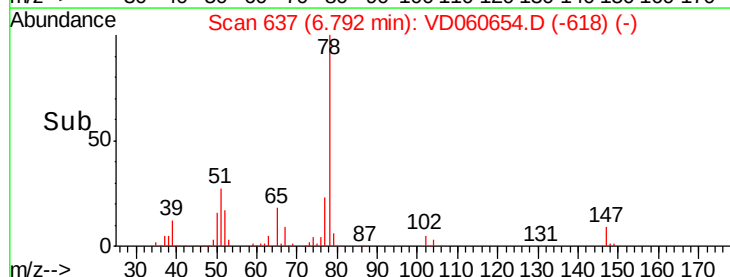
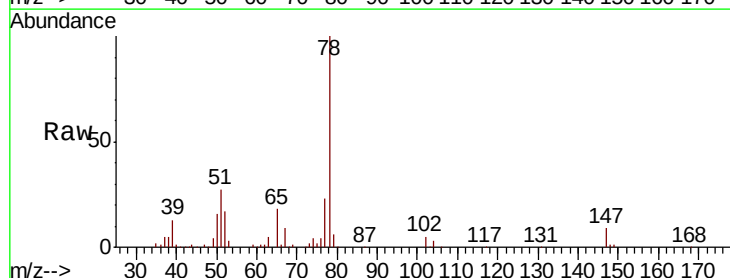
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

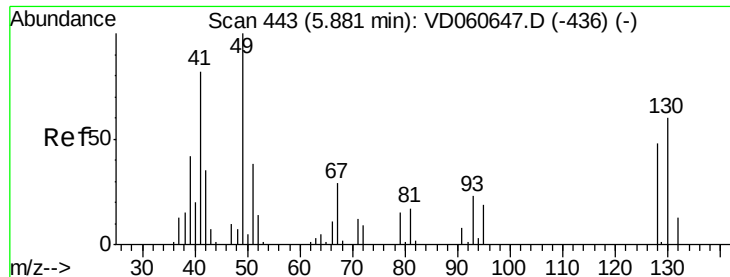
Tgt Ion: 83 Resp: 251536
Ion Ratio Lower Upper
83 100
55 85.7 68.6 102.8
98 48.1 38.1 57.1



#40
Benzene
Concen: 10.398 ug/l
RT: 6.79 min Scan# 637
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 78 Resp: 596092
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8

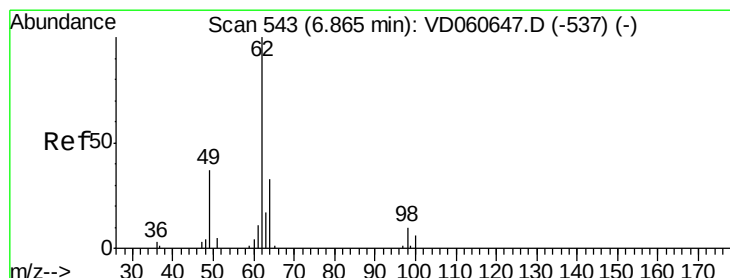
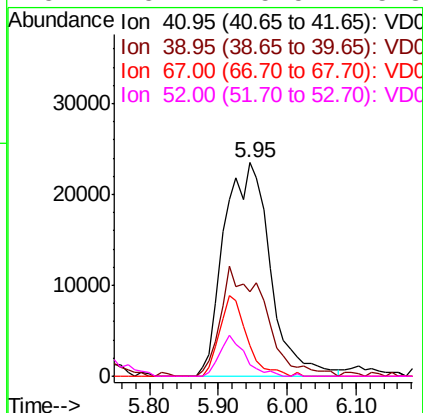
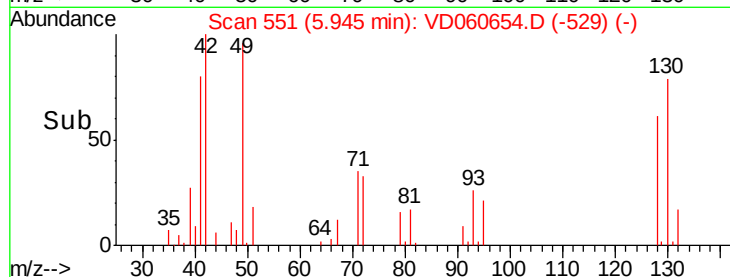
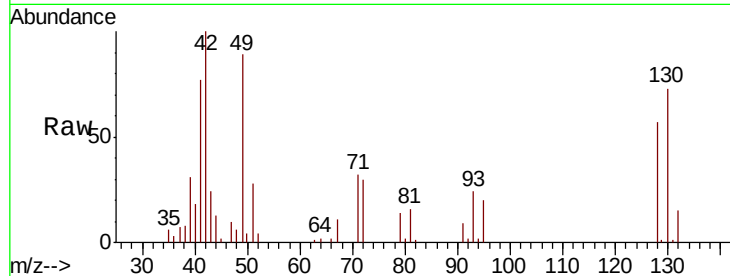




#41
Methacrylonitrile
Concen: 20.212 ug/l
RT: 5.95 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

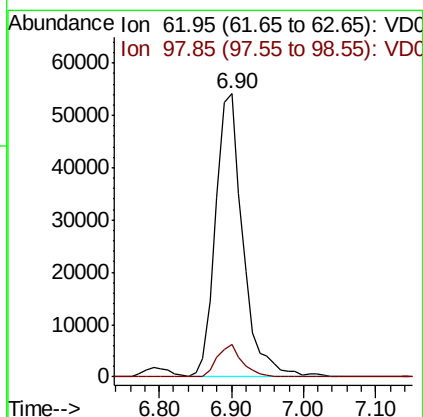
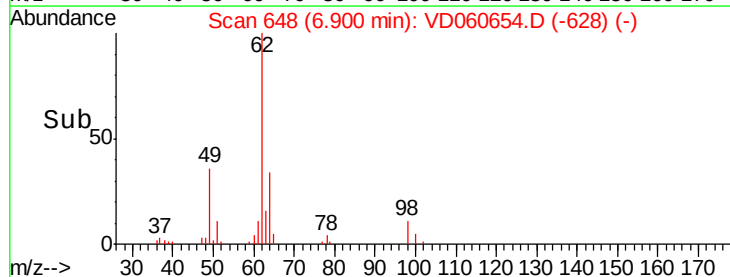
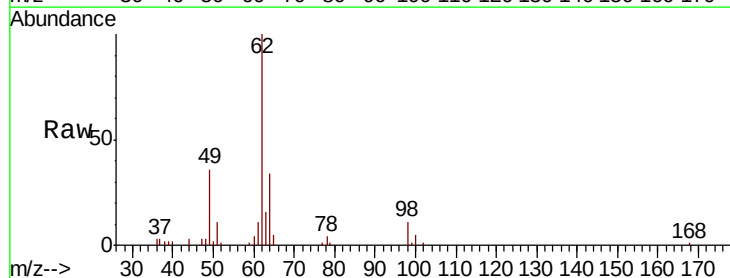
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

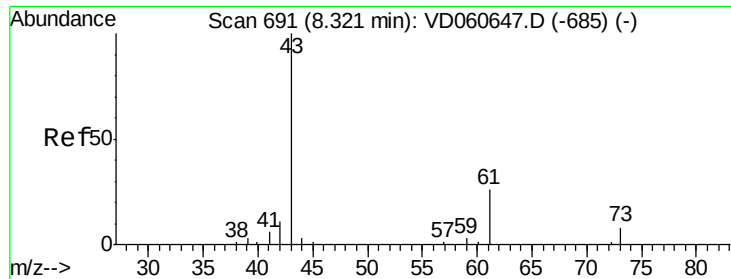
Tgt Ion: 41 Resp: 109234
Ion Ratio Lower Upper
41 100
39 39.6 37.6 56.4
67 14.3 33.0 49.6#
52 5.4 15.5 23.3#



#42
1,2-Dichloroethane
Concen: 9.959 ug/l
RT: 6.90 min Scan# 648
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 62 Resp: 141904
Ion Ratio Lower Upper
62 100
98 11.3 0.0 20.4

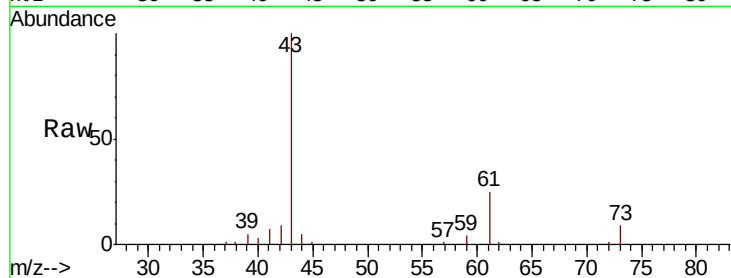




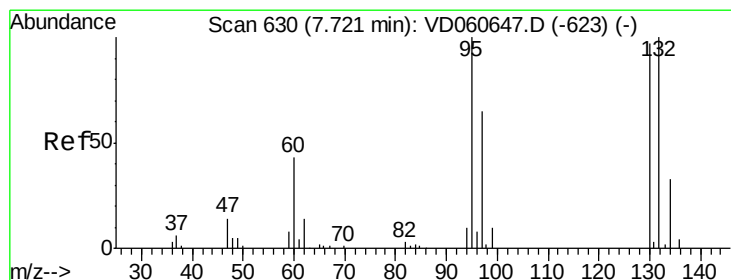
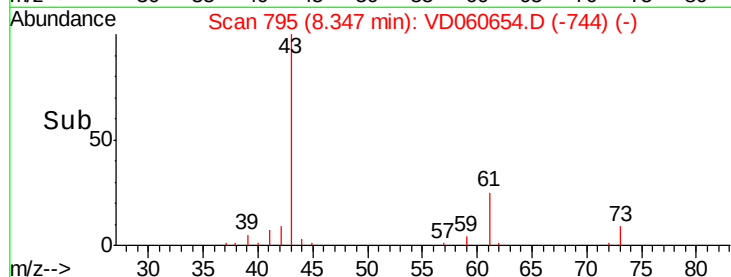
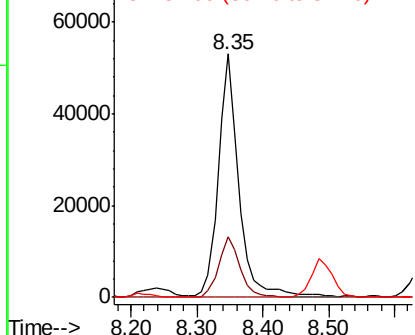
#43
Isopropyl Acetate
Concen: 9.259 ug/l
RT: 8.35 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 114684
Ion Ratio Lower Upper
43 100
61 24.7 21.8 32.8
87 0.0 0.2 0.4#

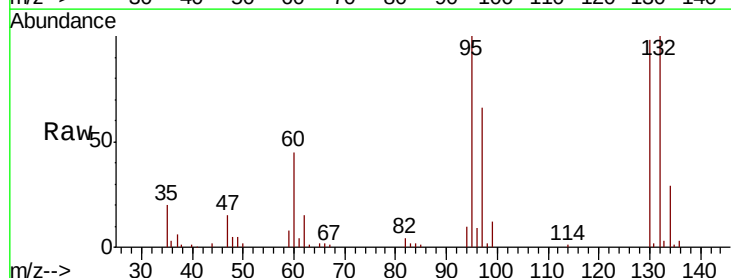


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

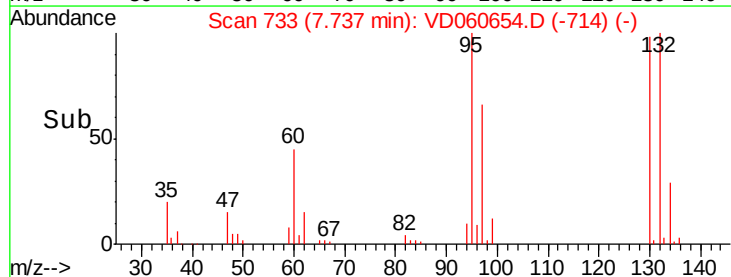
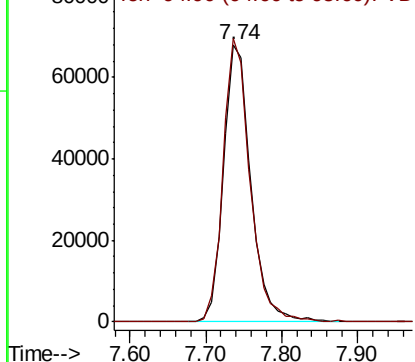


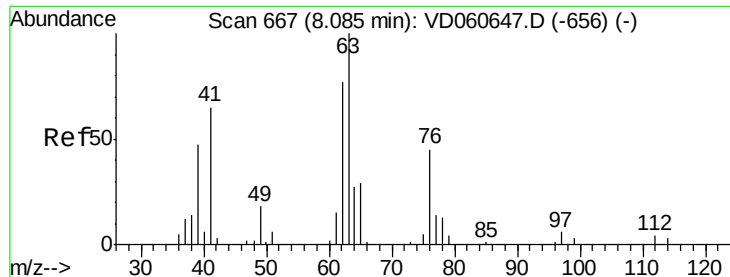
#44
Trichloroethene
Concen: 9.912 ug/l
RT: 7.74 min Scan# 733
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 130 Resp: 170037
Ion Ratio Lower Upper
130 100
95 102.0 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

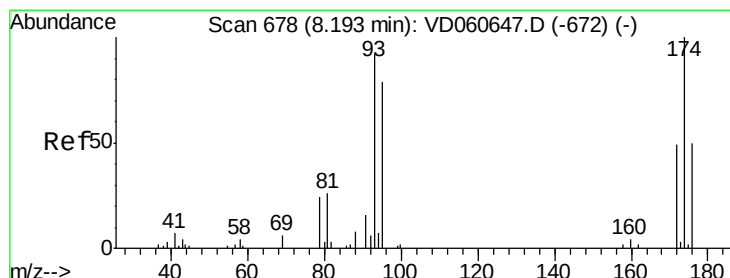
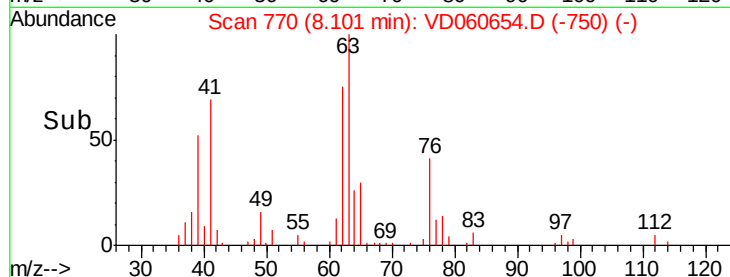
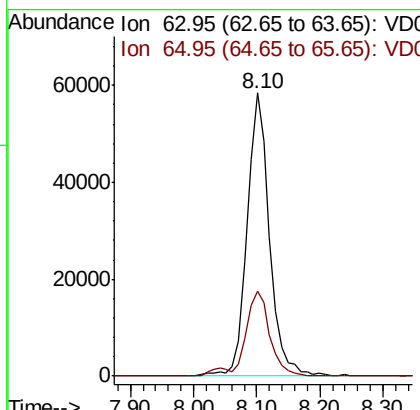
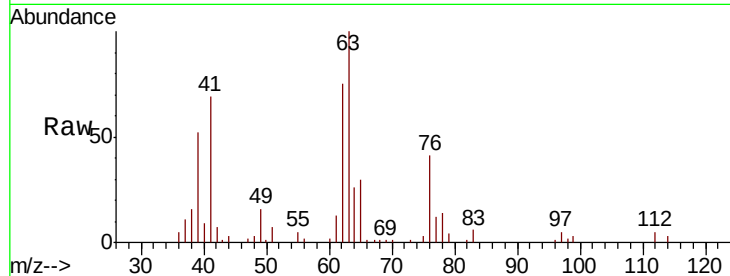




#45
 1,2-Dichloropropane
 Concen: 10.341 ug/l
 RT: 8.10 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

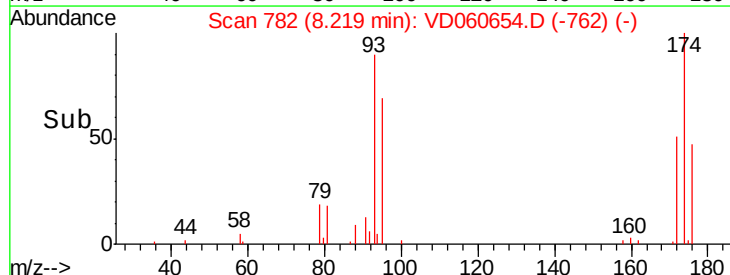
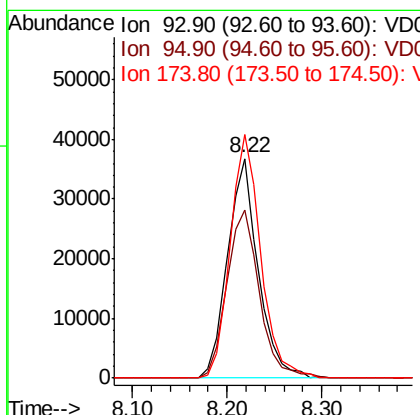
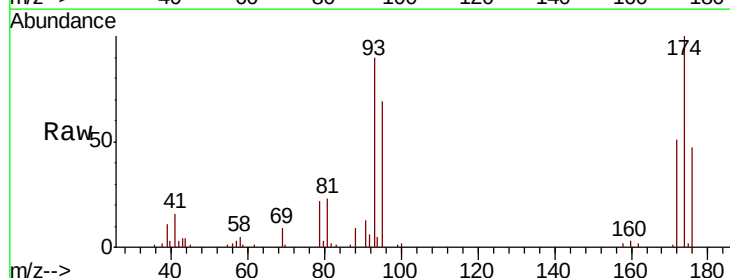
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

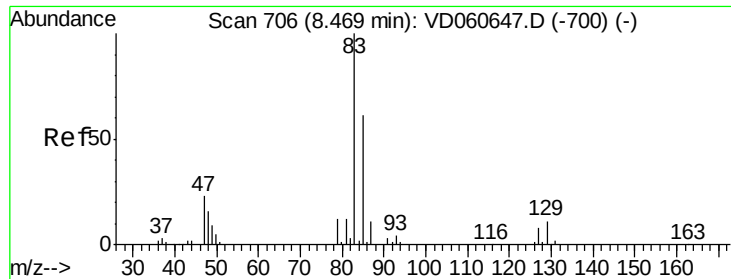
Tgt Ion: 63 Resp: 143982
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6



#46
 Dibromomethane
 Concen: 10.205 ug/l
 RT: 8.22 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 93 Resp: 82413
 Ion Ratio Lower Upper
 93 100
 95 76.4 68.8 103.2
 174 110.9 93.0 139.4





#47

Bromodichloromethane

Concen: 9.447 ug/l

RT: 8.48 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

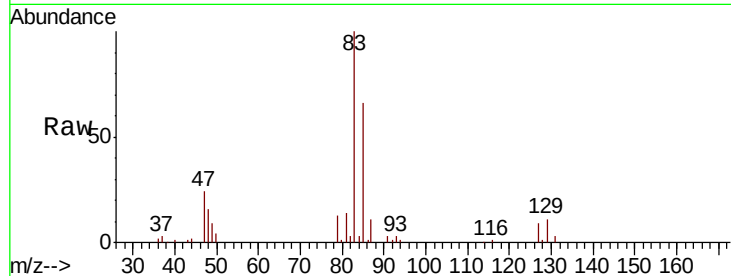
Tgt Ion: 83 Resp: 184449

Ion Ratio Lower Upper

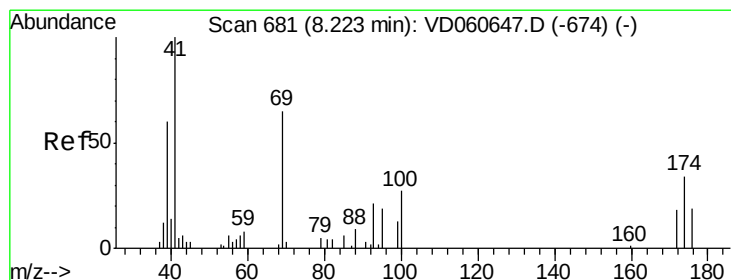
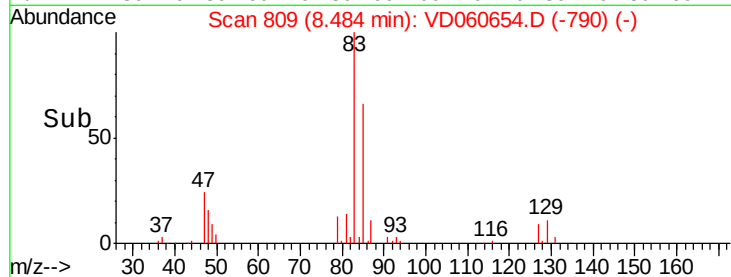
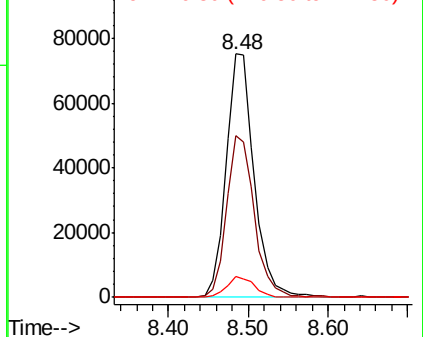
83 100

85 66.2 51.1 76.7

127 8.5 7.0 10.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 9.671 ug/l

RT: 8.25 min Scan# 785

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

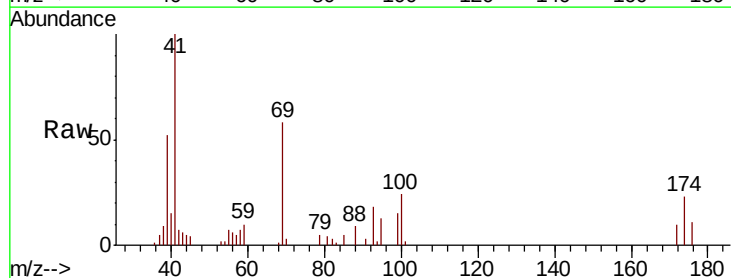
Tgt Ion: 41 Resp: 72912

Ion Ratio Lower Upper

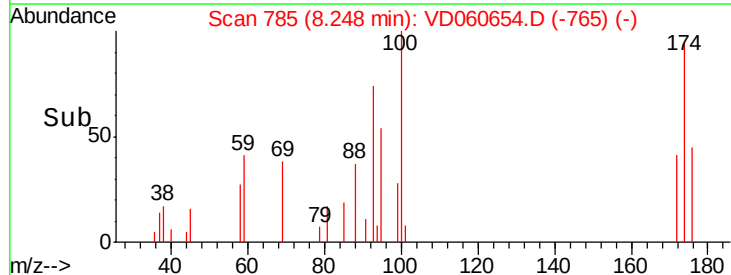
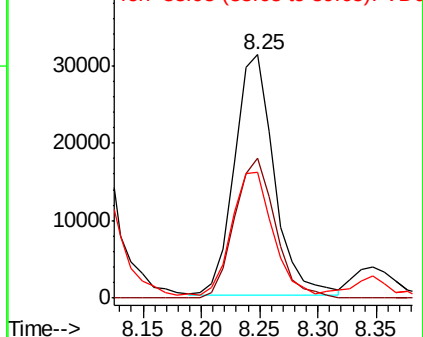
41 100

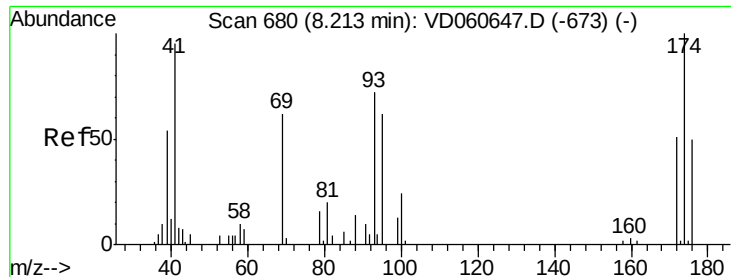
69 57.7 51.2 76.8

39 51.9 44.6 67.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

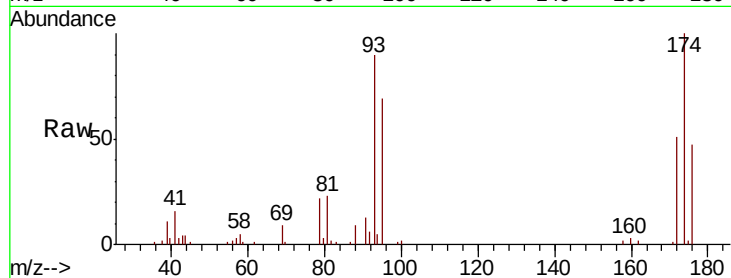




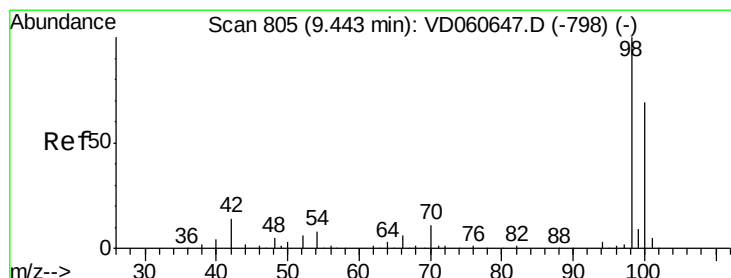
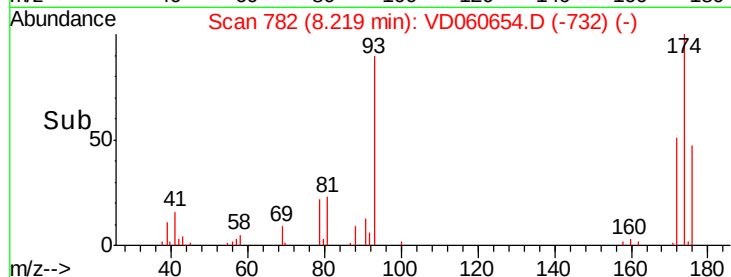
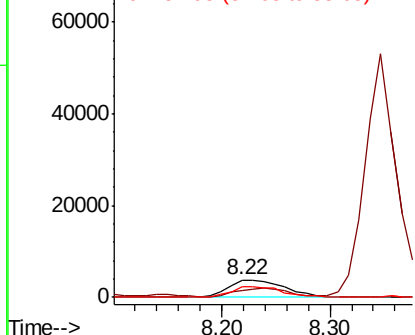
#49
 1,4-Dioxane
 Concen: 186.549 ug/l
 RT: 8.22 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 88 Resp: 13169
 Ion Ratio Lower Upper
 88 100
 43 39.9 31.5 47.3
 58 59.2 50.6 76.0

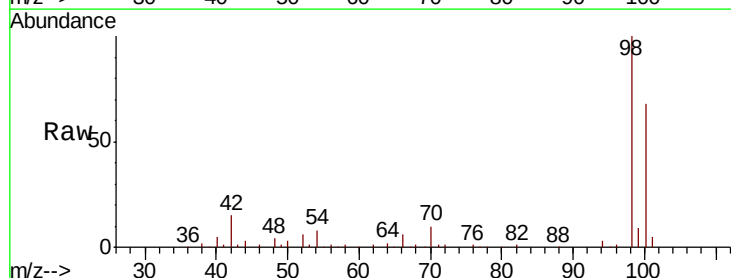


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

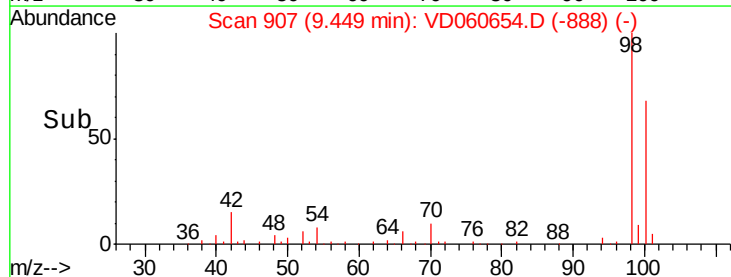
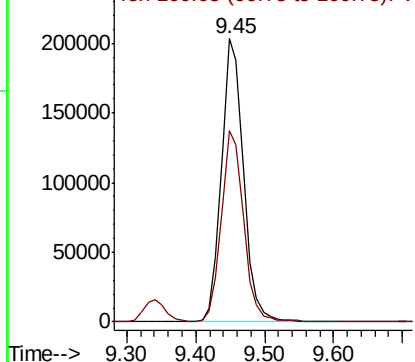


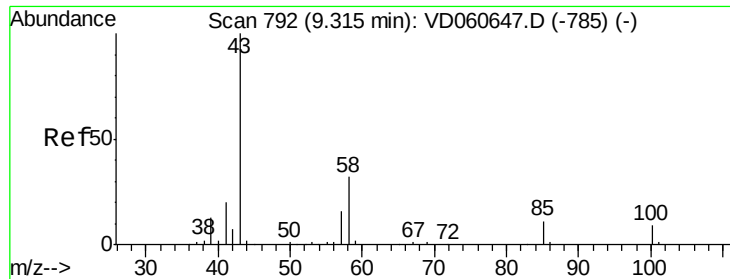
#50
 Toluene-d8
 Concen: 186.549 ug/l
 RT: 9.45 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 98 Resp: 450083
 Ion Ratio Lower Upper
 98 100
 100 67.8 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 48.904 ug/l

RT: 9.34 min Scan# 896

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

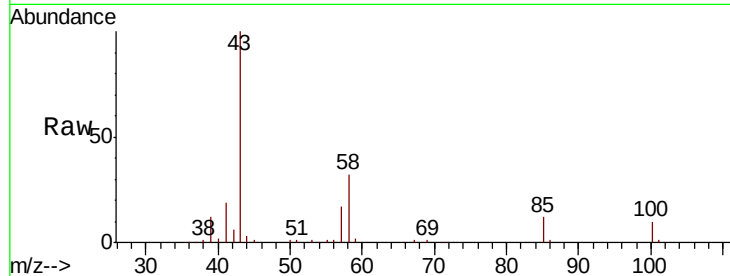
VSTDIC010

Tgt Ion: 43 Resp: 371484

Ion Ratio Lower Upper

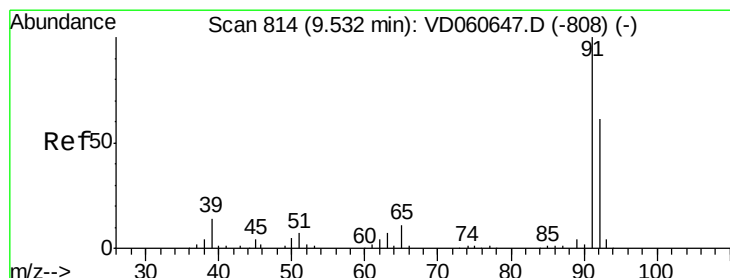
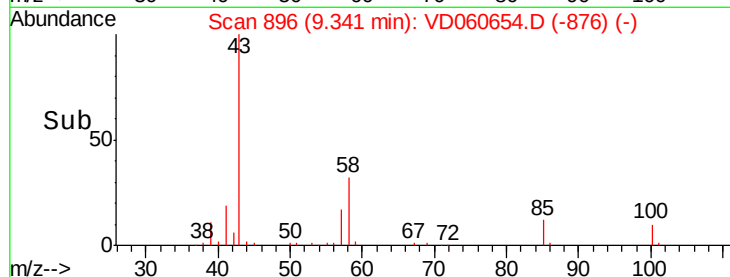
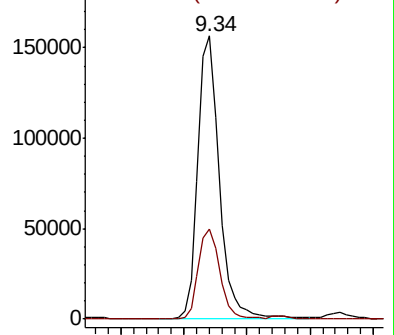
43 100

58 32.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.213 ug/l

RT: 9.55 min Scan# 917

Delta R.T. 0.00 min

Lab File: VD060654.D

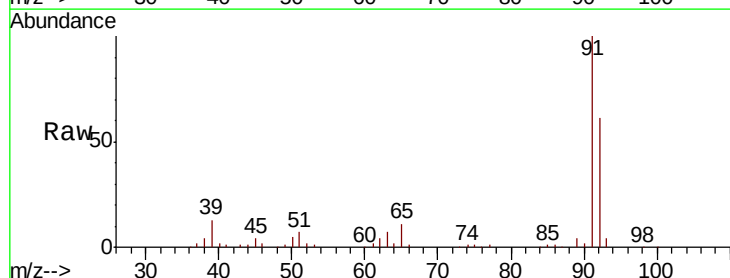
Acq: 20 Dec 2018 11:26

Tgt Ion: 92 Resp: 371862

Ion Ratio Lower Upper

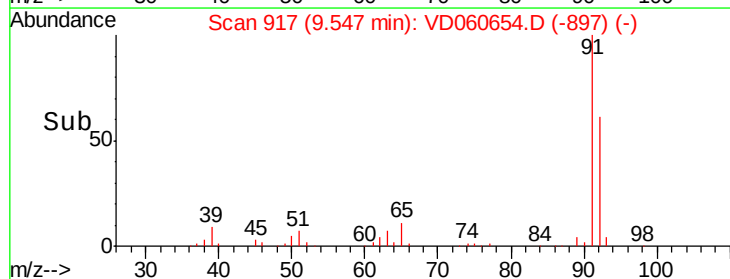
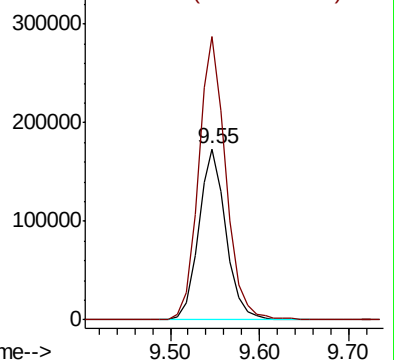
92 100

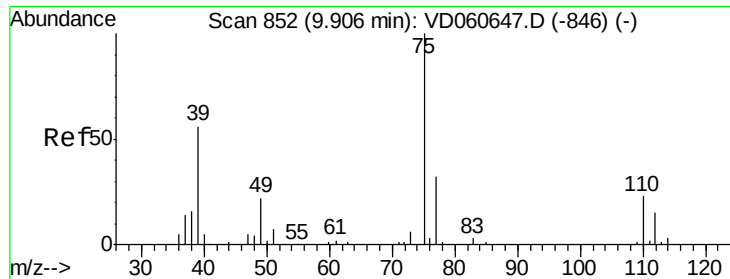
91 165.2 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 9.561 ug/l

RT: 9.91 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

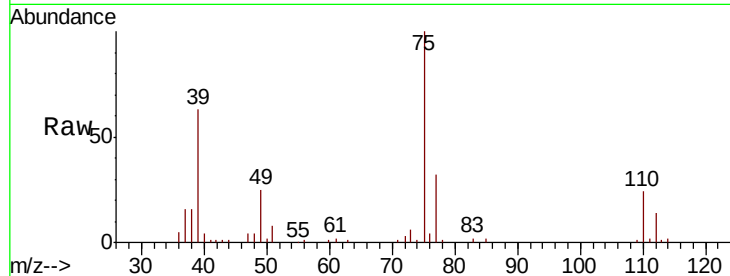
VSTDIC010

Tgt Ion: 75 Resp: 158492

Ion Ratio Lower Upper

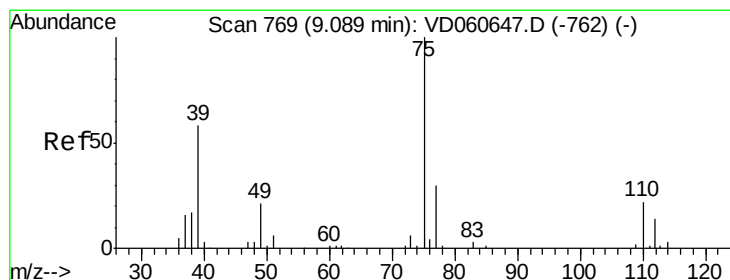
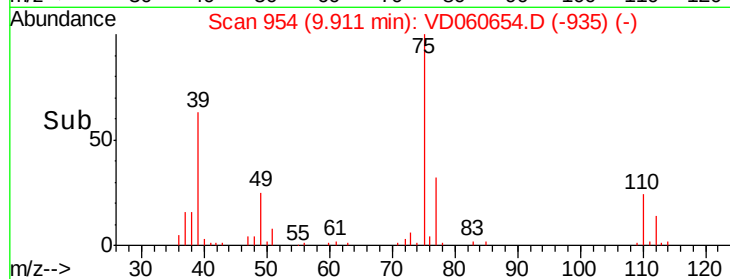
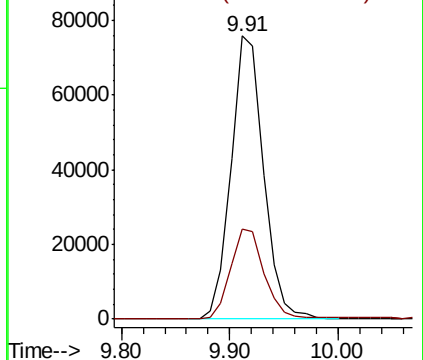
75 100

77 32.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.265 ug/l

RT: 9.10 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

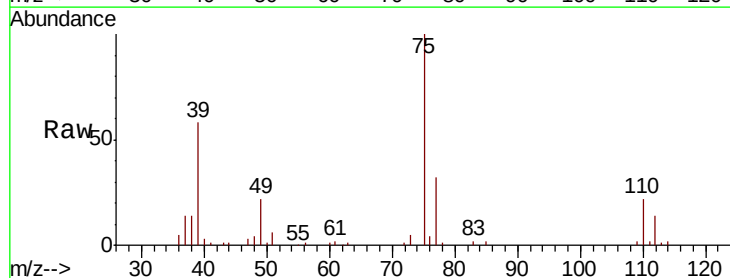
Tgt Ion: 75 Resp: 200768

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

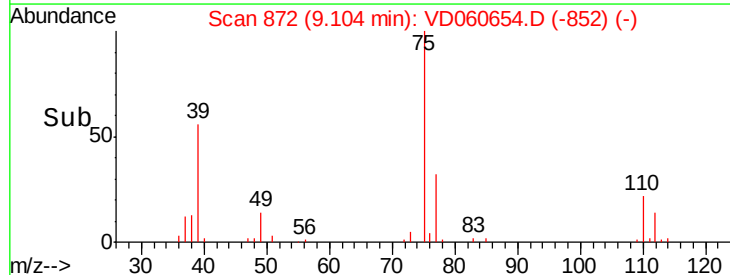
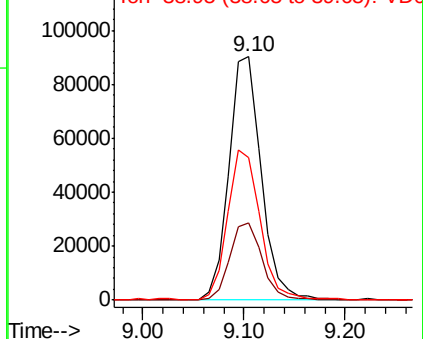
39 58.3 47.0 70.4

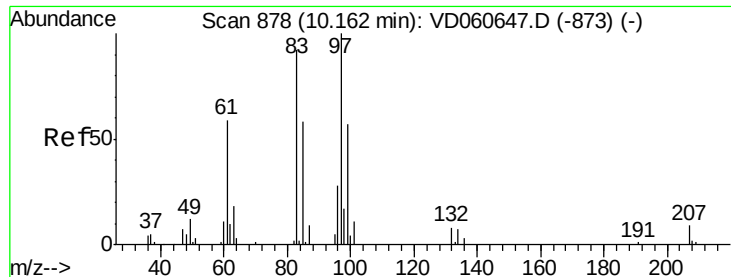


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

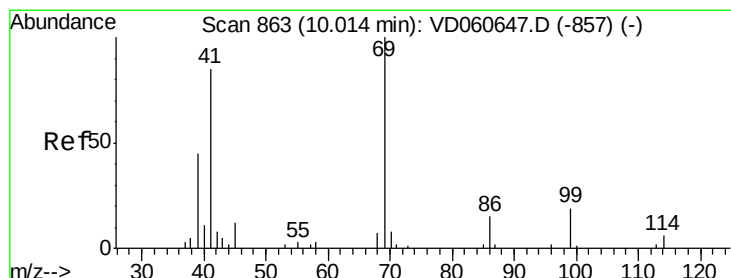
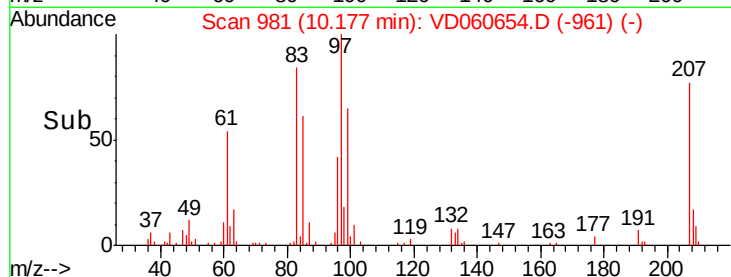
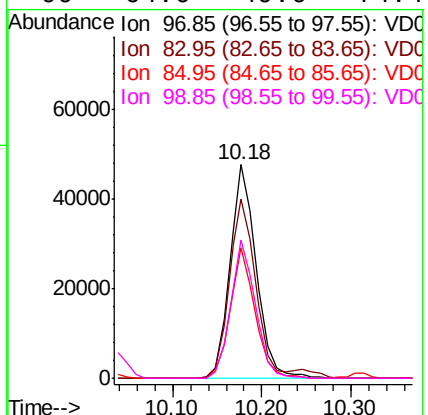
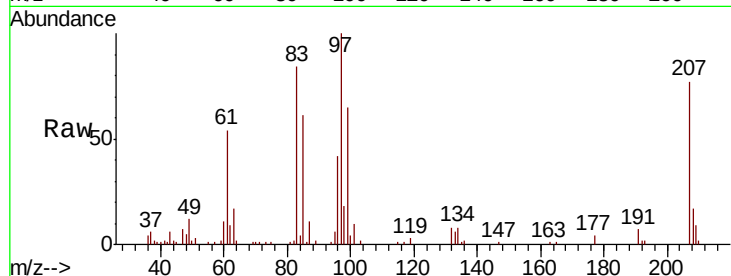




#55
 1,1,2-Trichloroethane
 Concen: 10.189 ug/l
 RT: 10.18 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

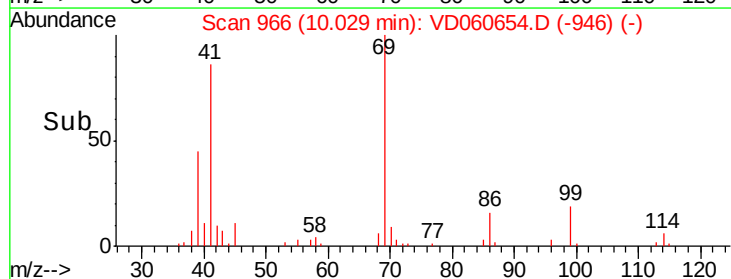
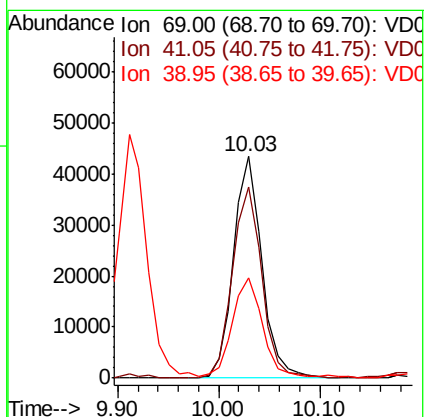
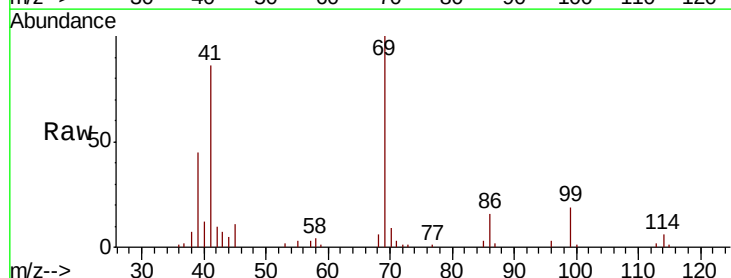
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

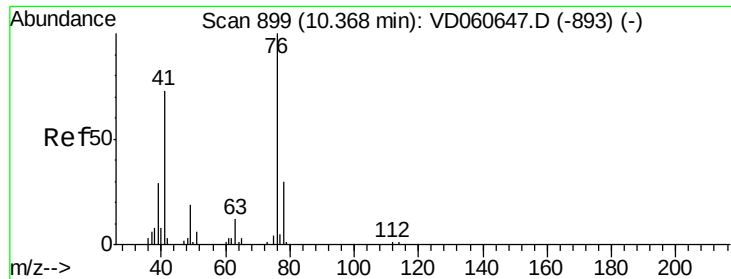
Tgt Ion:	97	Resp:	98379
Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.0	105.0
85	61.1	46.6	70.0
99	64.6	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 8.593 ug/l
 RT: 10.03 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion:	69	Resp:	84870
Ion	Ratio	Lower	Upper
69	100		
41	86.1	68.3	102.5
39	45.5	37.2	55.8





#57

1,3-Dichloropropane

Concen: 10.015 ug/l

RT: 10.38 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

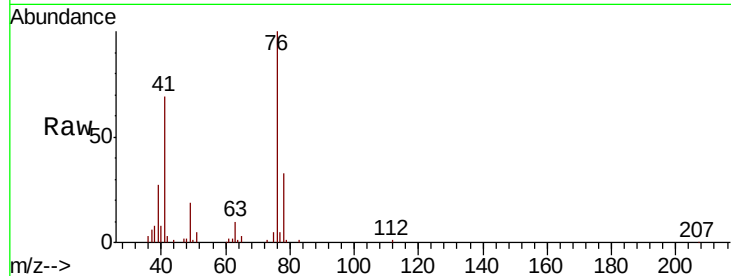
VSTDIC010

Tgt Ion: 76 Resp: 154213

Ion Ratio Lower Upper

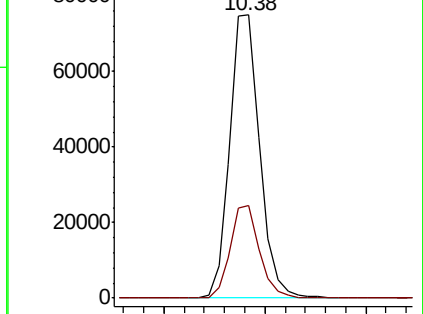
76 100

78 32.6 26.1 39.1

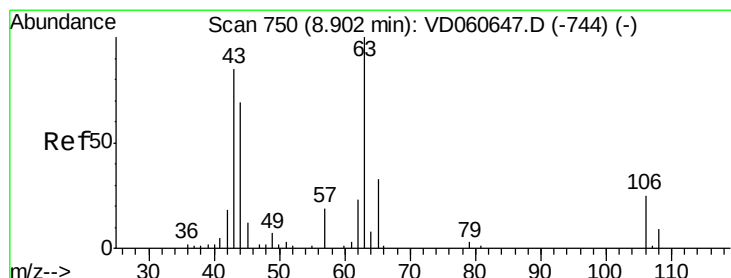
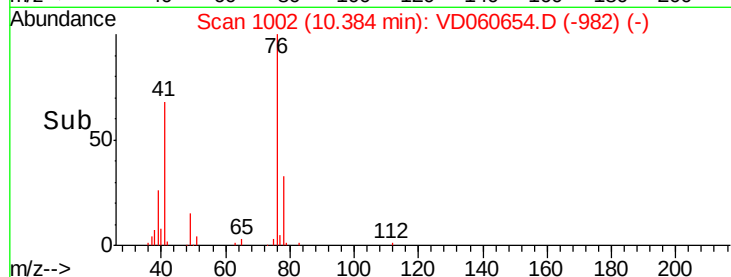


Abundance Ion 75.95 (75.65 to 76.65): VD060647.D (-893) (-)

Ion 77.95 (77.65 to 78.65): VD060647.D (-893) (-)



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 53.940 ug/l

RT: 8.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060654.D

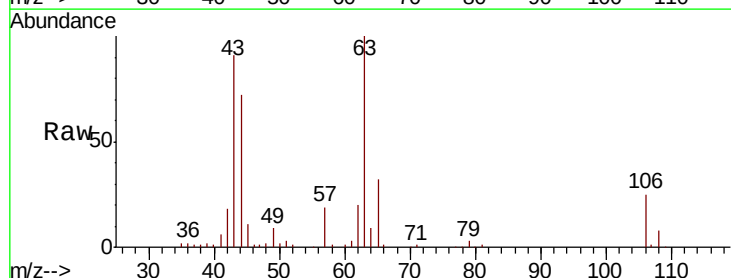
Acq: 20 Dec 2018 11:26

Tgt Ion: 63 Resp: 281105

Ion Ratio Lower Upper

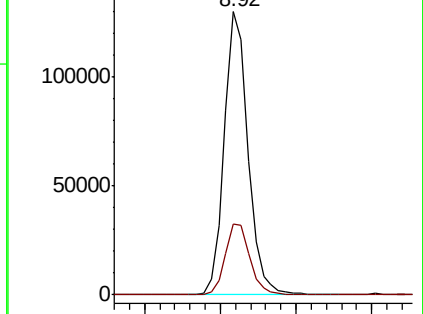
63 100

106 25.2 22.4 33.6

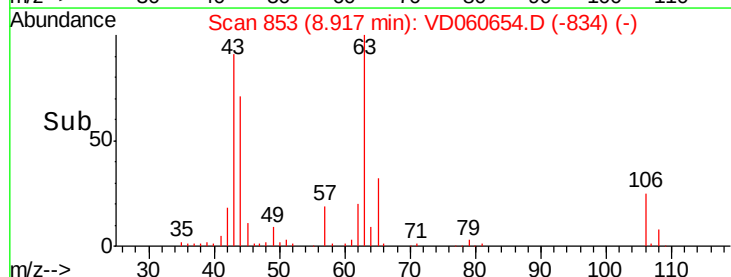


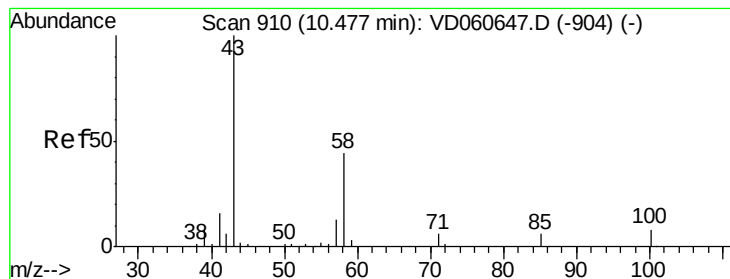
Abundance Ion 62.95 (62.65 to 63.65): VD060647.D (-744) (-)

Ion 105.95 (105.65 to 106.65): VD060647.D (-744) (-)



Time-->





#59

2-Hexanone

Concen: 47.729 ug/l

RT: 10.48 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

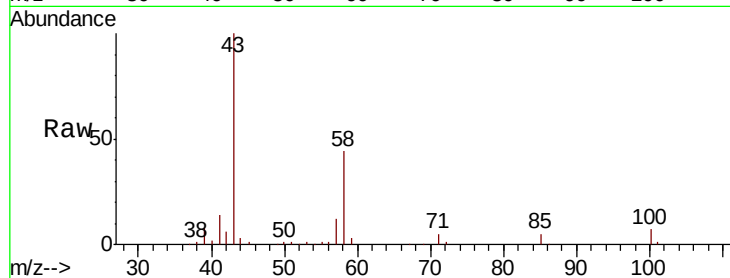
VSTDIC010

Tgt Ion: 43 Resp: 257608

Ion Ratio Lower Upper

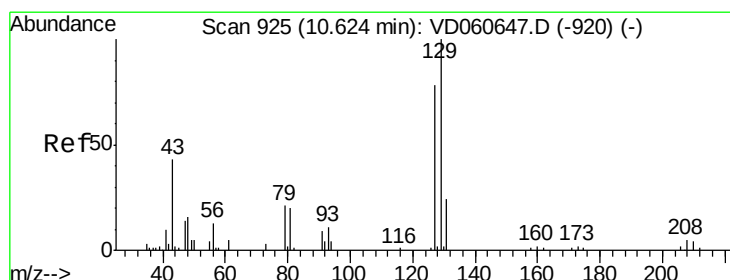
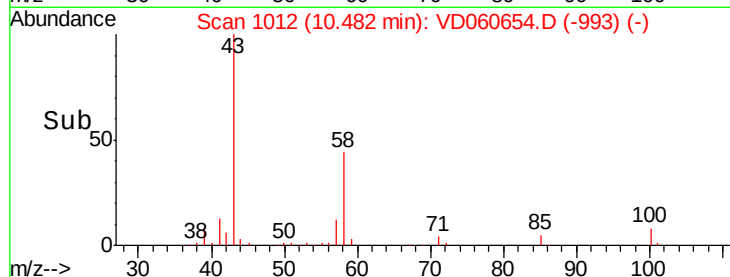
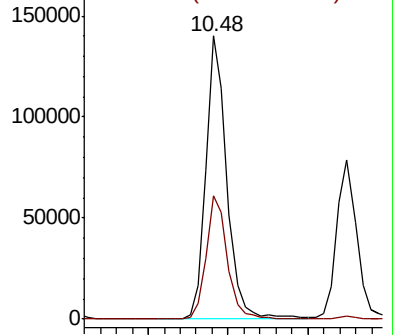
43 100

58 43.6 23.5 70.5



Abundance Ion 42.95 (42.65 to 43.65): VD060654.D (-993) (-)

Ion 57.95 (57.65 to 58.65): VD060654.D (-993) (-)



#60

Dibromochloromethane

Concen: 9.148 ug/l

RT: 10.64 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VD060654.D

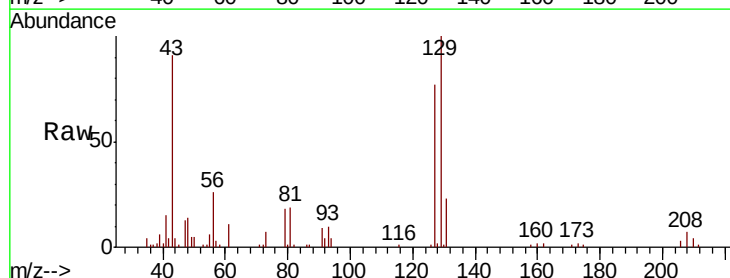
Acq: 20 Dec 2018 11:26

Tgt Ion: 129 Resp: 119758

Ion Ratio Lower Upper

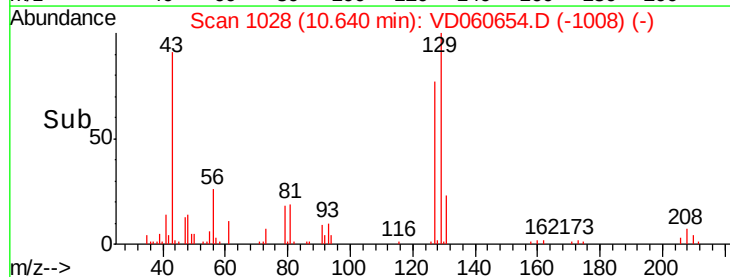
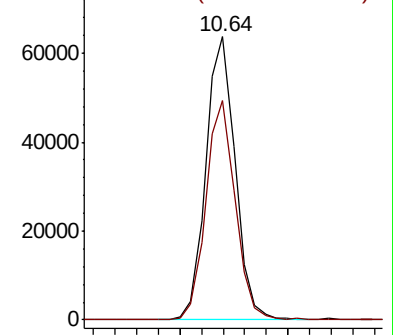
129 100

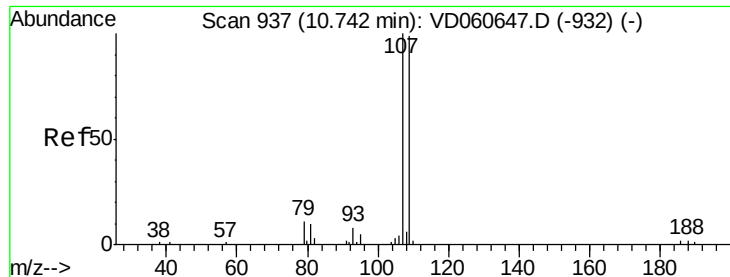
127 77.4 37.6 112.9



Abundance Ion 128.80 (128.50 to 129.50): VD060654.D (-1008) (-)

Ion 126.80 (126.50 to 127.50): VD060654.D (-1008) (-)





#61

1,2-Dibromoethane

Concen: 9.543 ug/l

RT: 10.76 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

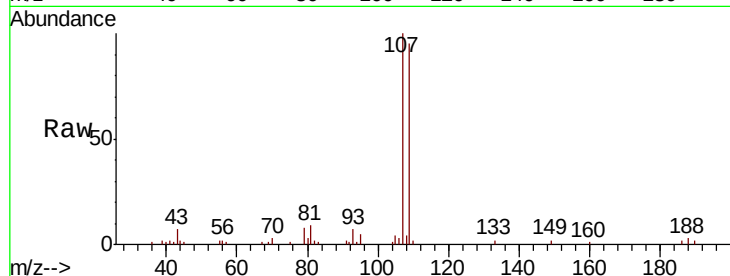
VSTDIC010

Tgt Ion: 107 Resp: 99112

Ion Ratio Lower Upper

107 100

109 94.7 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

60000

50000

40000

30000

20000

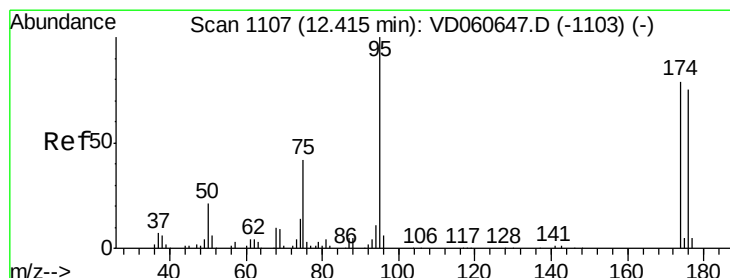
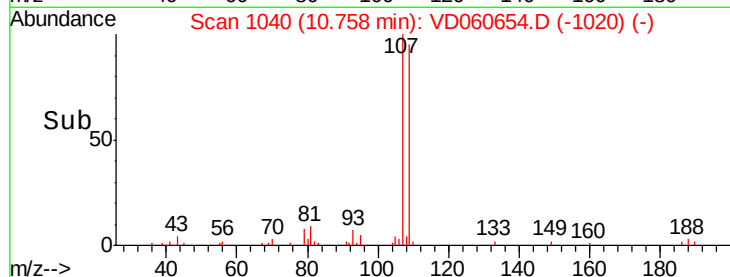
10000

0

10.70

10.80

Time-->



#62

4-Bromofluorobenzene

Concen: 9.543 ug/l

RT: 12.42 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

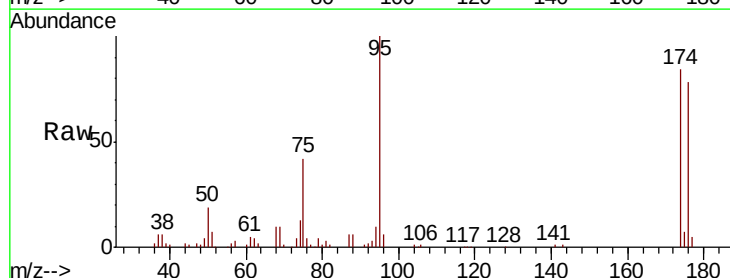
Tgt Ion: 95 Resp: 160249

Ion Ratio Lower Upper

95 100

174 84.0 0.0 158.2

176 78.3 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

150000

100000

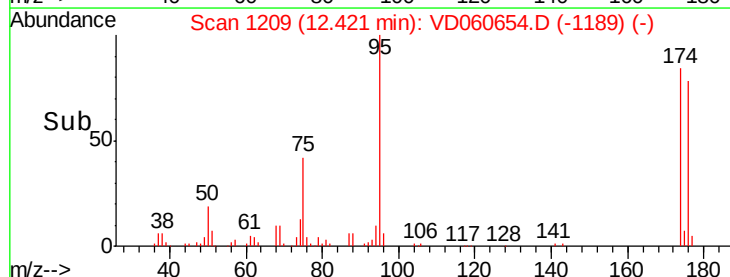
50000

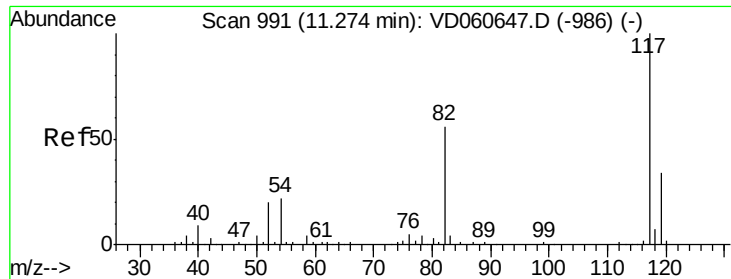
0

12.40

12.50

Time-->

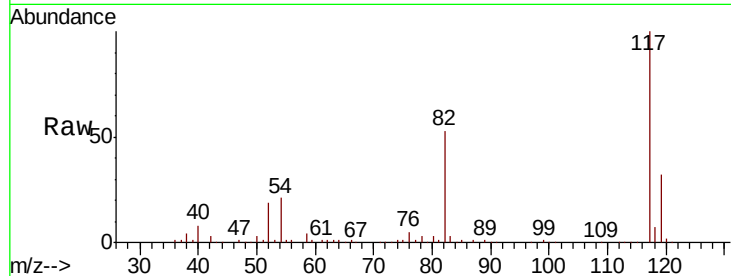




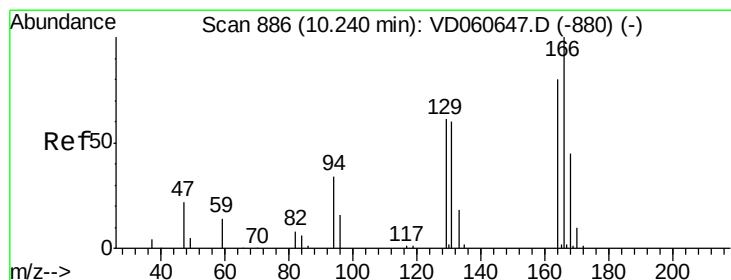
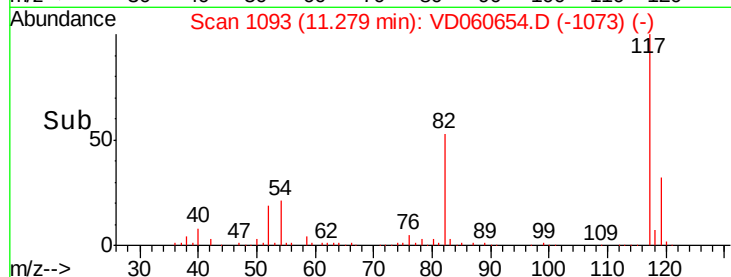
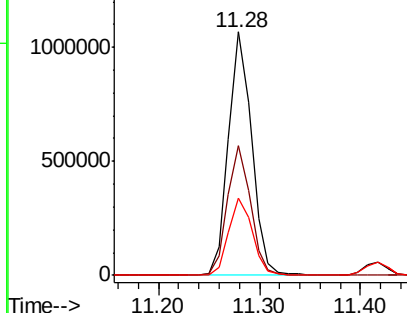
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1715160
Ion Ratio Lower Upper
117 100
82 53.3 44.5 66.7
119 31.7 26.3 39.5

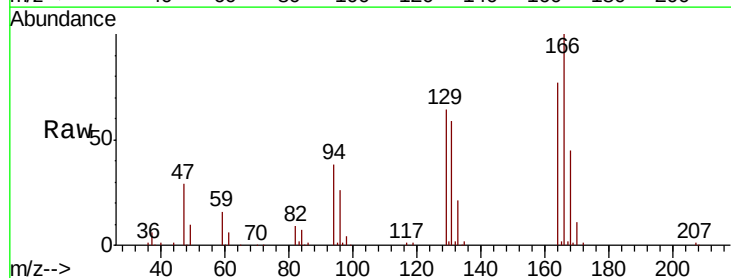


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

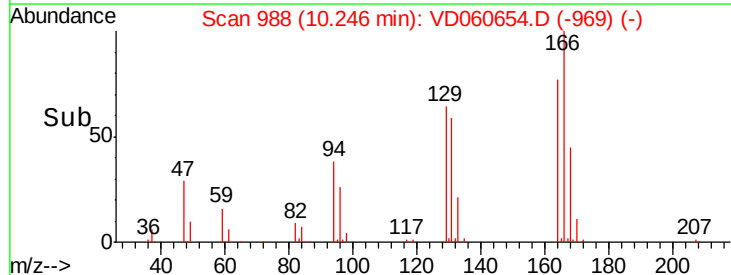
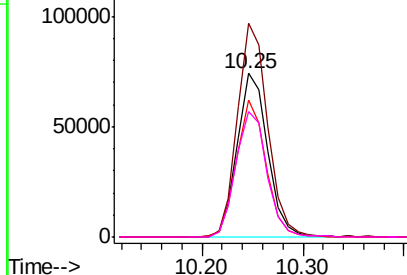


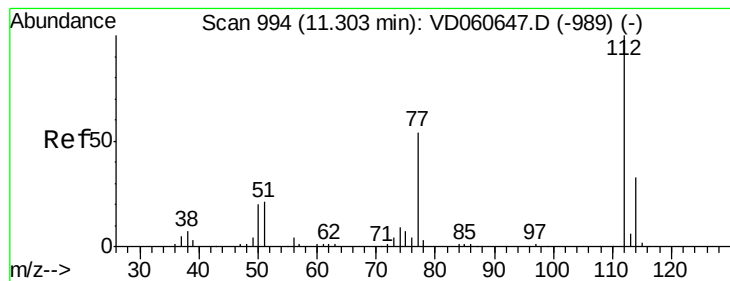
#64
Tetrachloroethene
Concen: 9.409 ug/l
RT: 10.25 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion:164 Resp: 156052
Ion Ratio Lower Upper
164 100
166 130.5 104.4 156.6
129 83.7 62.7 94.1
131 76.9 61.1 91.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 9.596 ug/l

RT: 11.31 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

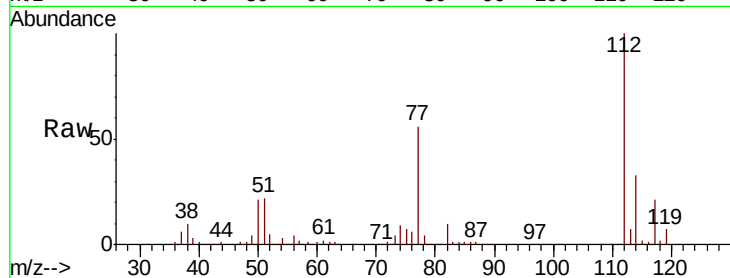
VSTDIC010

Tgt Ion:112 Resp: 386705

Ion Ratio Lower Upper

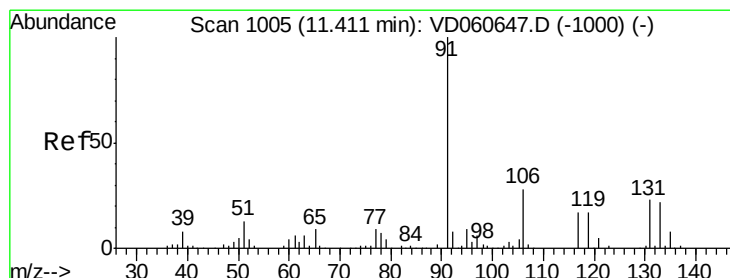
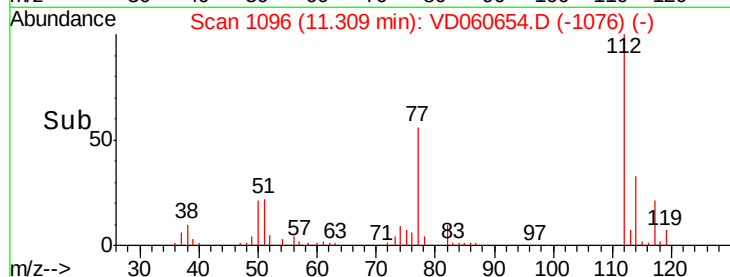
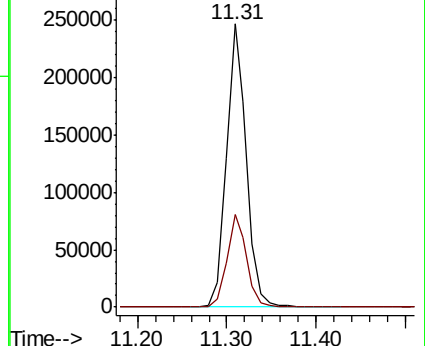
112 100

114 32.7 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.868 ug/l

RT: 11.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

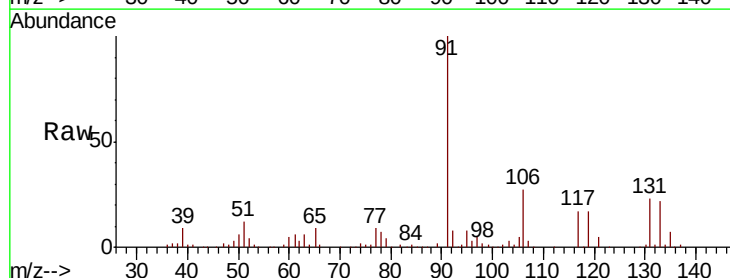
Tgt Ion:131 Resp: 130326

Ion Ratio Lower Upper

131 100

133 94.8 49.1 147.3

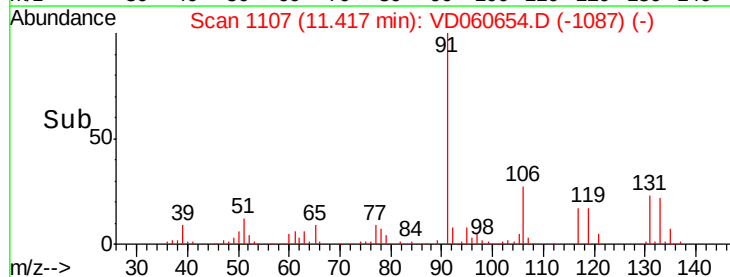
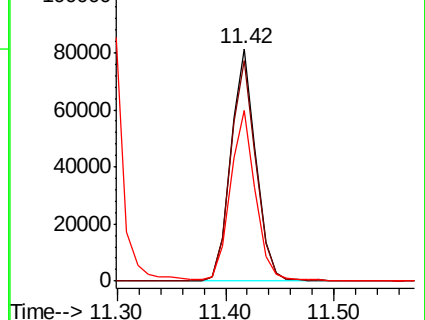
119 73.6 36.6 109.8

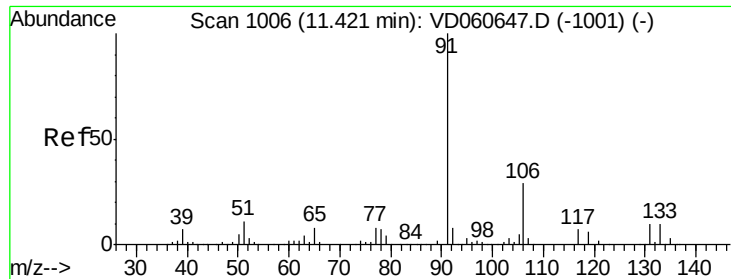


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

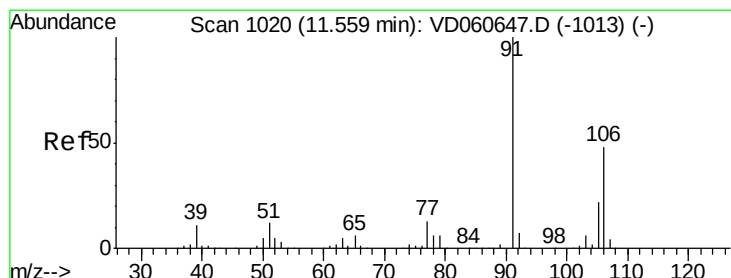
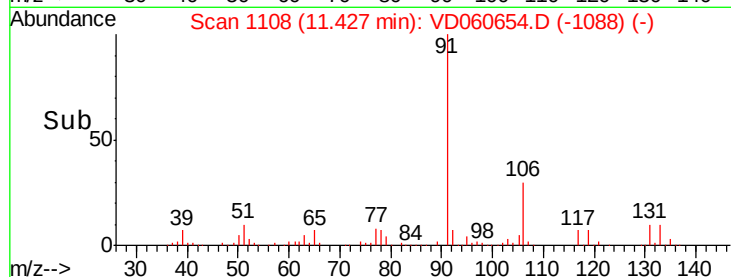
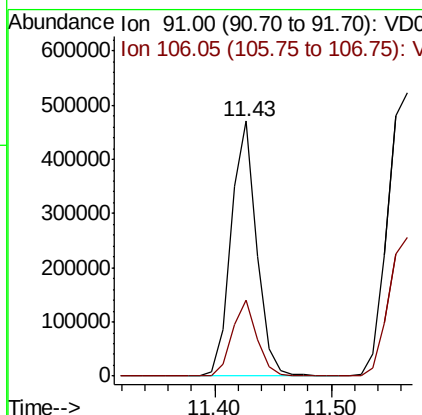
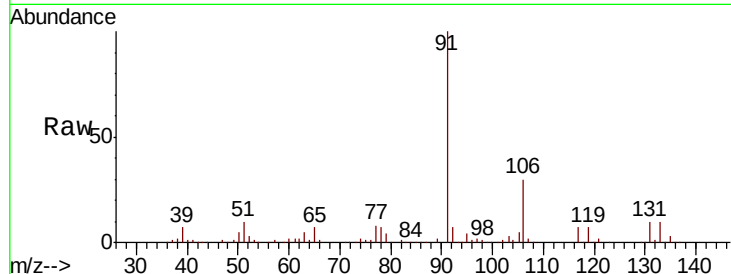




#67
Ethyl Benzene
Concen: 10.270 ug/l
RT: 11.43 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

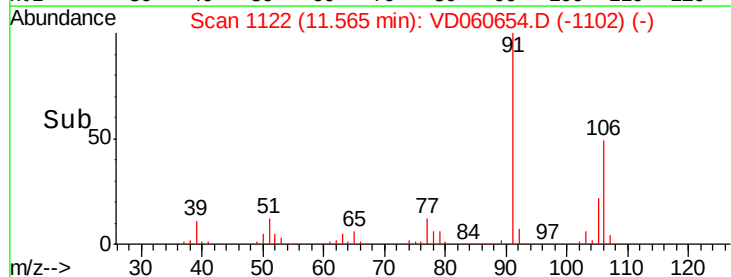
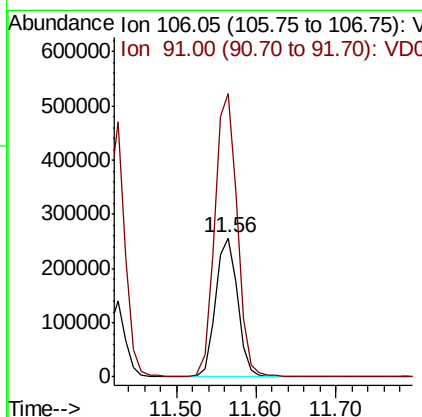
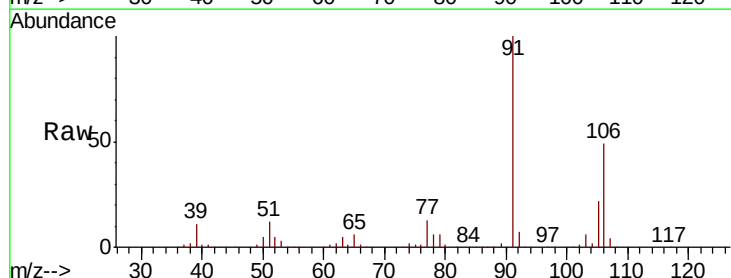
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

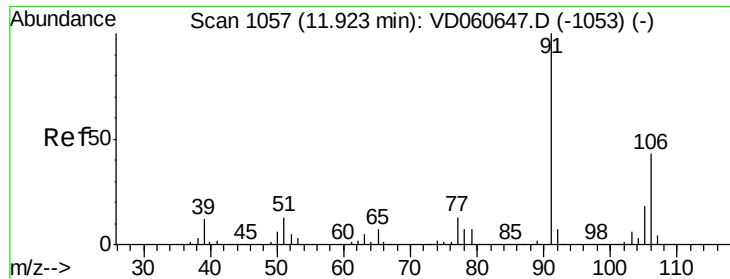
Tgt Ion: 91 Resp: 711067
Ion Ratio Lower Upper
91 100
106 29.6 24.6 36.8



#68
m/p-Xylenes
Concen: 19.962 ug/l
RT: 11.56 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 106 Resp: 501938
Ion Ratio Lower Upper
106 100
91 203.8 158.9 238.3

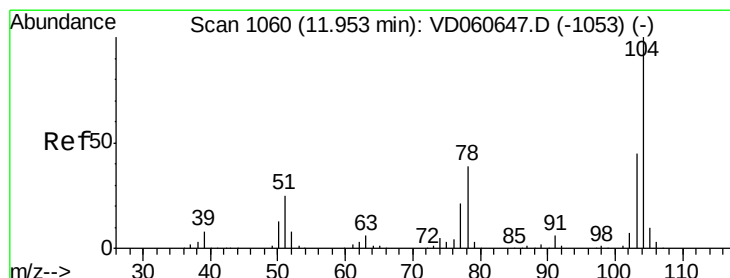
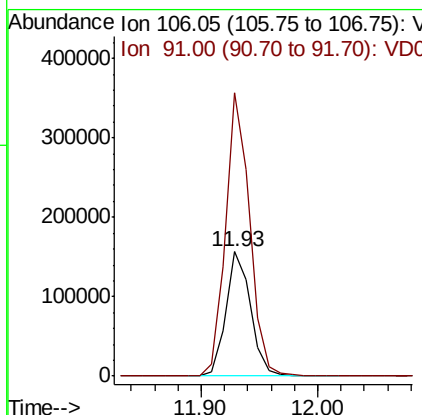
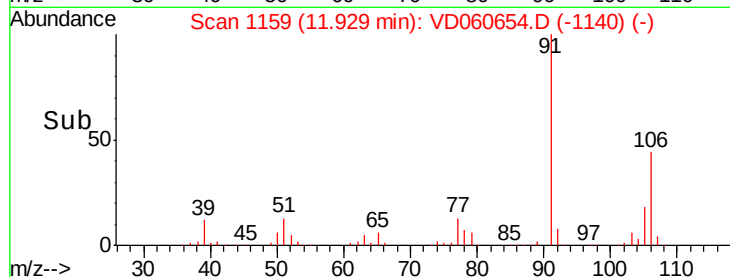
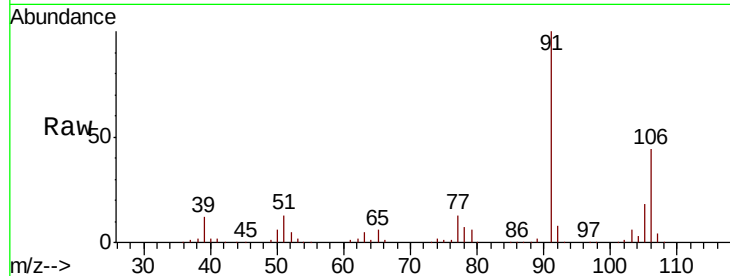




#69
o-Xylene
Concen: 9.392 ug/l
RT: 11.93 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

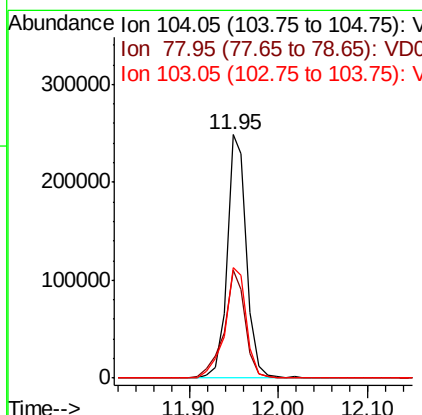
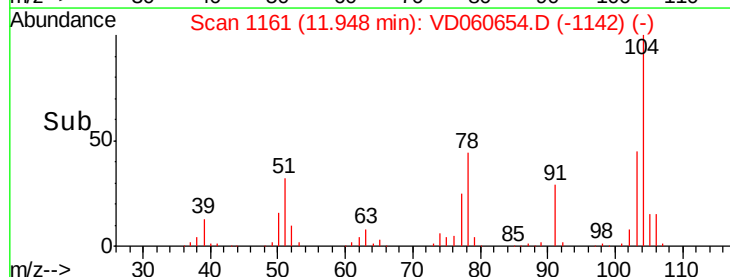
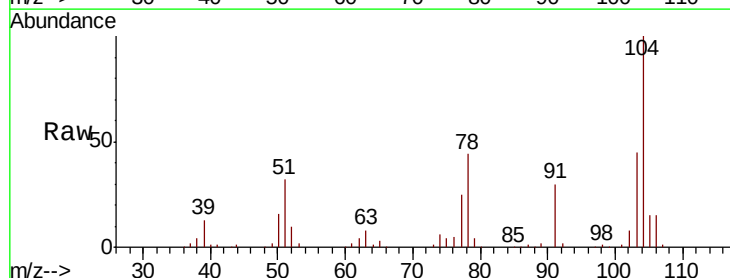
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

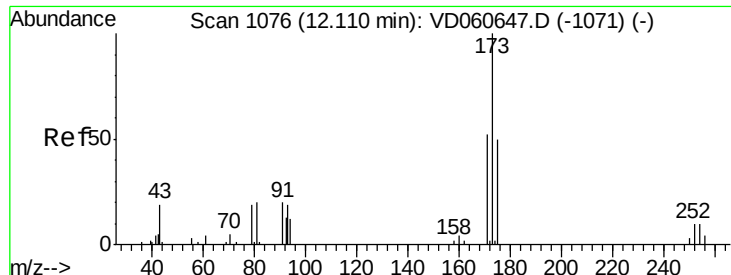
Tgt Ion:106 Resp: 228948
Ion Ratio Lower Upper
106 100
91 228.0 101.5 304.5



#70
Styrene
Concen: 9.671 ug/l
RT: 11.95 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion:104 Resp: 380395
Ion Ratio Lower Upper
104 100
78 44.5 31.4 47.2
103 45.3 37.5 56.3





#71

Bromoform

Concen: 8.606 ug/l

RT: 12.12 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

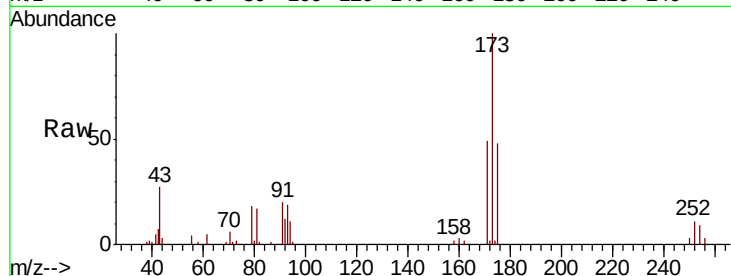
Tgt Ion:173 Resp: 76539

Ion Ratio Lower Upper

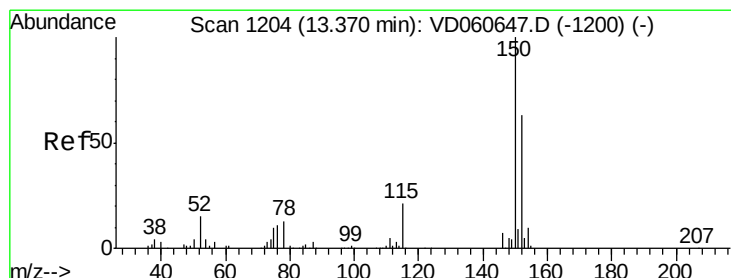
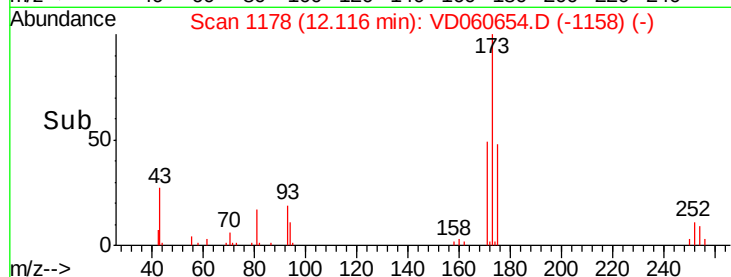
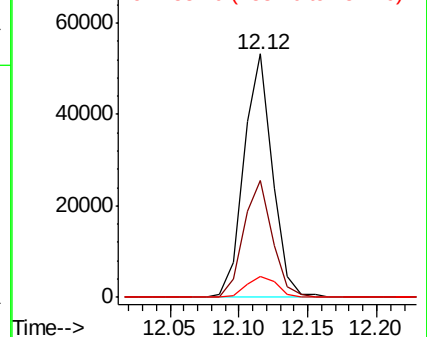
173 100

175 48.1 25.5 76.5

254 8.8 7.9 11.9



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

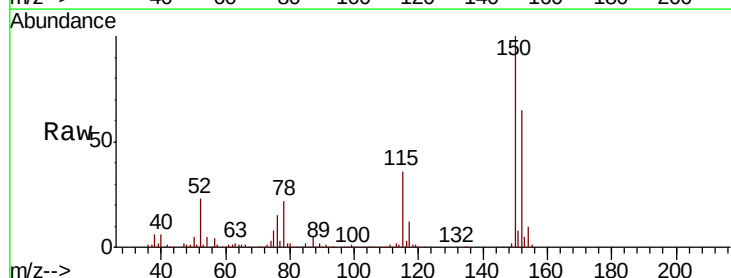
Tgt Ion:152 Resp: 875966

Ion Ratio Lower Upper

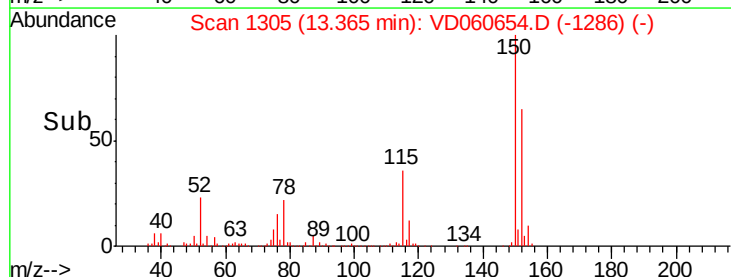
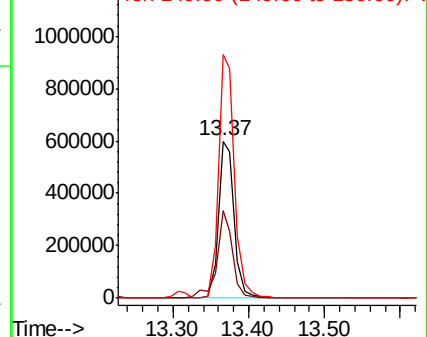
152 100

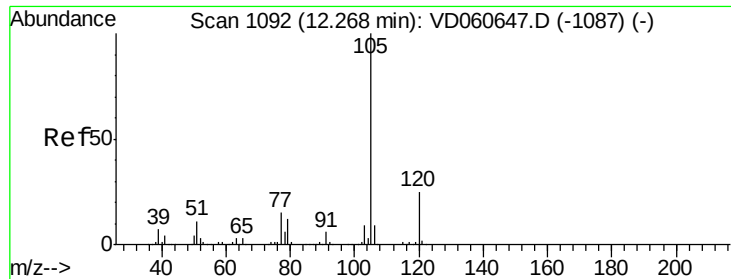
115 55.3 24.1 72.3

150 155.0 0.0 315.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.609 ug/l

RT: 12.27 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

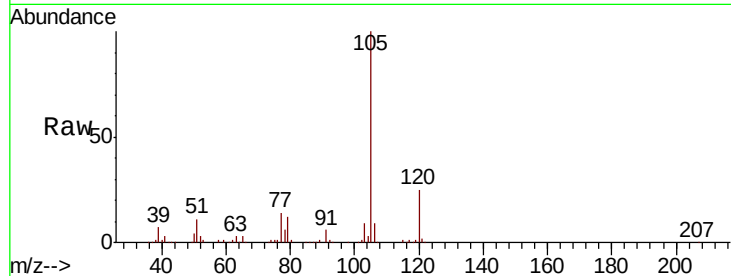
VSTDIC010

Tgt Ion: 105 Resp: 644486

Ion Ratio Lower Upper

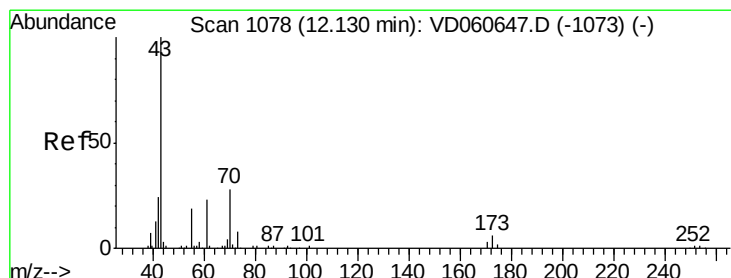
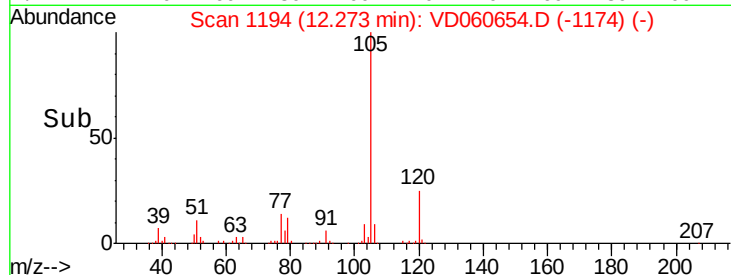
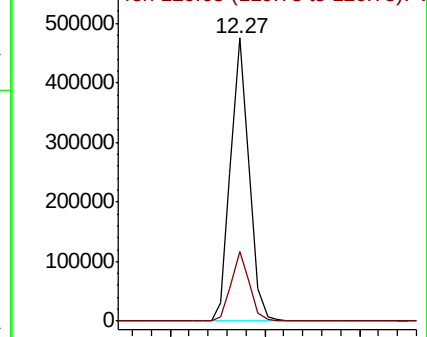
105 100

120 24.5 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.337 ug/l

RT: 12.14 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Tgt Ion: 43 Resp: 148347

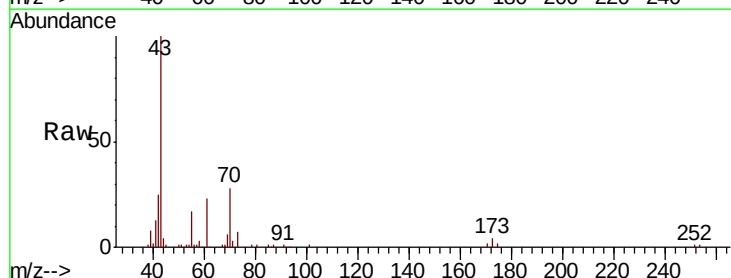
Ion Ratio Lower Upper

43 100

70 28.2 22.2 33.2

55 17.3 13.8 20.8

61 23.3 18.2 27.2

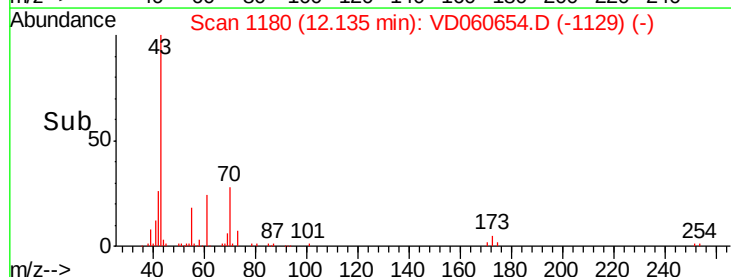
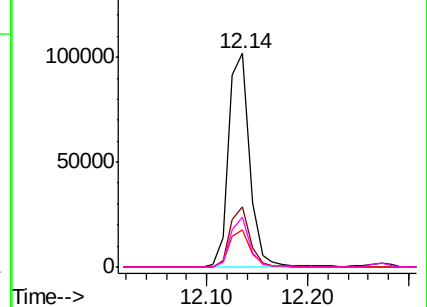


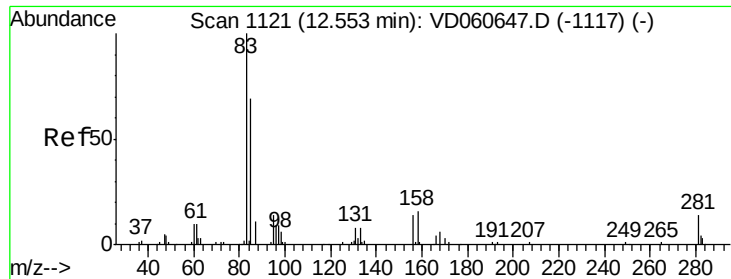
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 9.362 ug/l

RT: 12.56 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

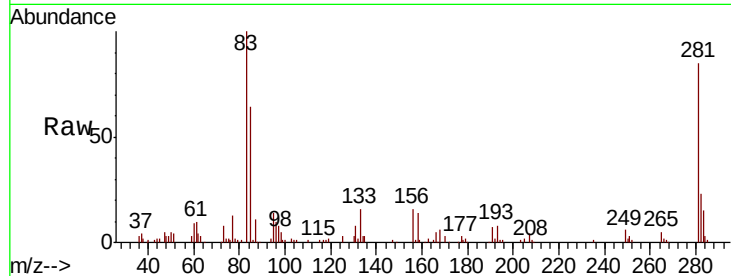
Tgt Ion: 83 Resp: 104085

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.4

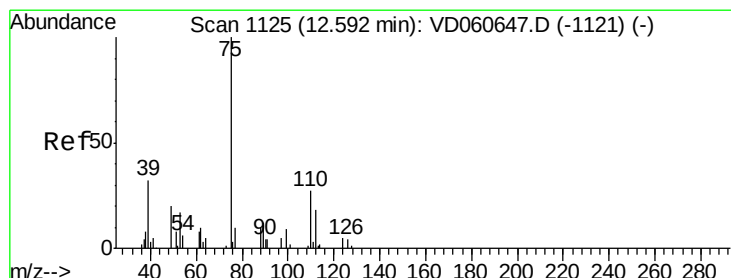
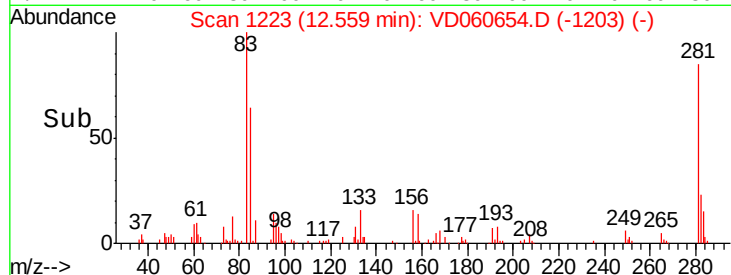
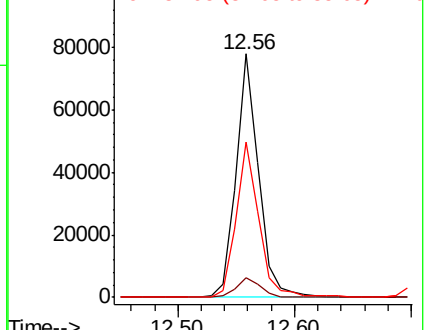
85 63.7 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 9.413 ug/l

RT: 12.60 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD060654.D

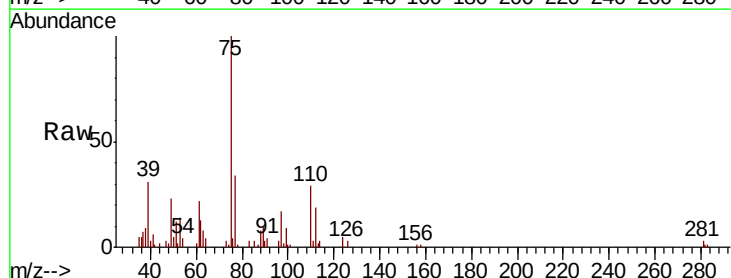
Acq: 20 Dec 2018 11:26

Tgt Ion: 75 Resp: 101592

Ion Ratio Lower Upper

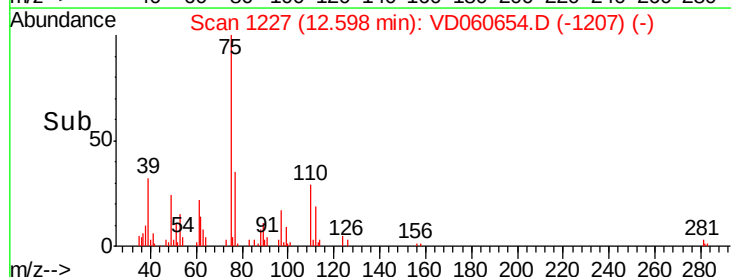
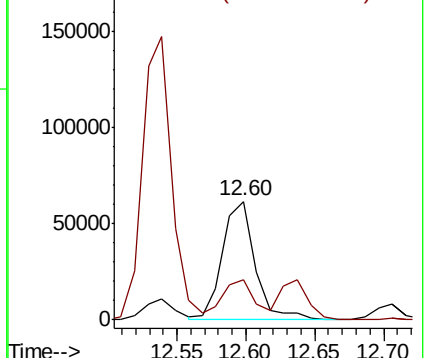
75 100

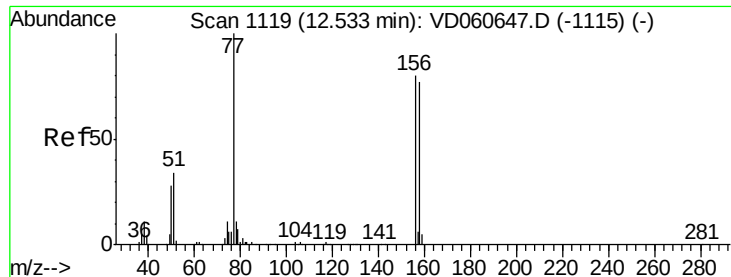
77 33.7 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

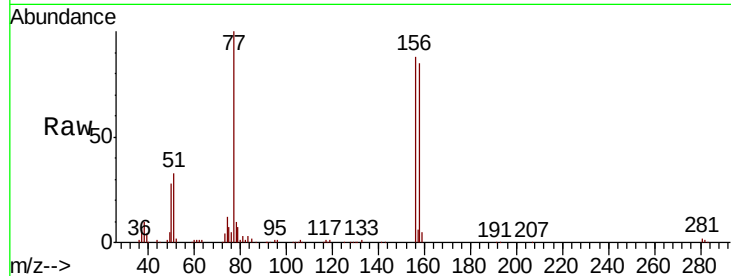




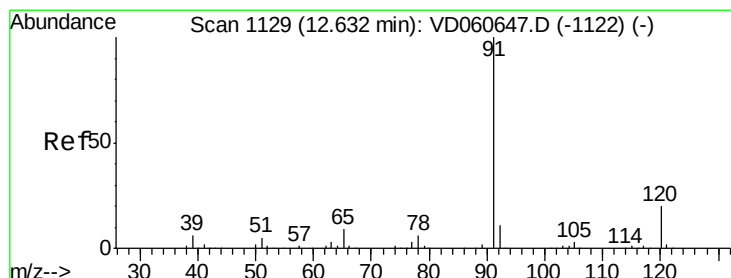
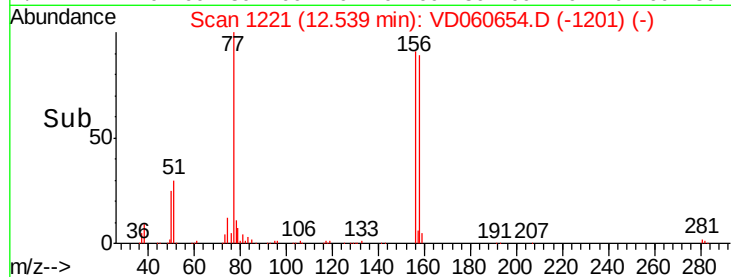
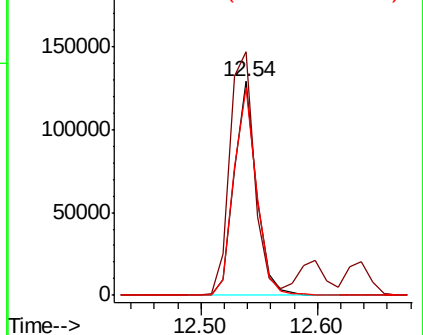
#77
Bromobenzene
Concen: 9.605 ug/l
RT: 12.54 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 156 Resp: 171675
Ion Ratio Lower Upper
156 100
77 114.0 61.3 183.9
158 97.2 48.9 146.6

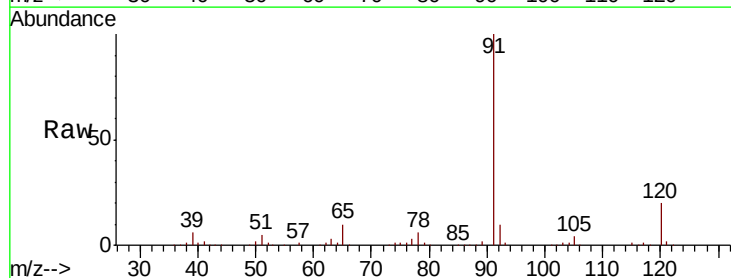


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

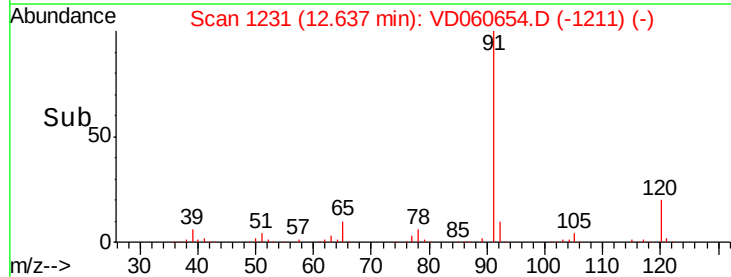
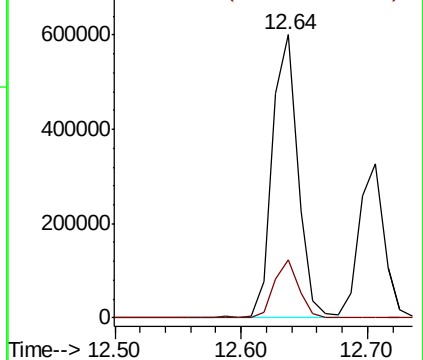


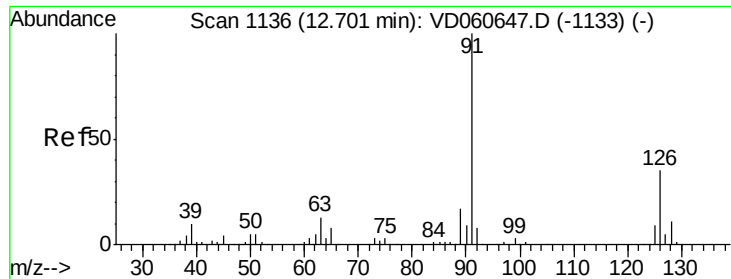
#78
n-propylbenzene
Concen: 9.973 ug/l
RT: 12.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 91 Resp: 852253
Ion Ratio Lower Upper
91 100
120 20.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 9.799 ug/l

RT: 12.71 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

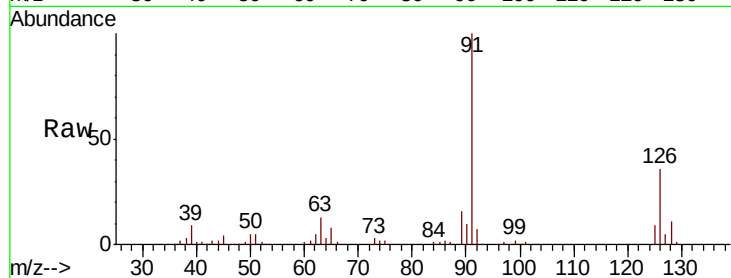
VSTDIC010

Tgt Ion: 91 Resp: 454039

Ion Ratio Lower Upper

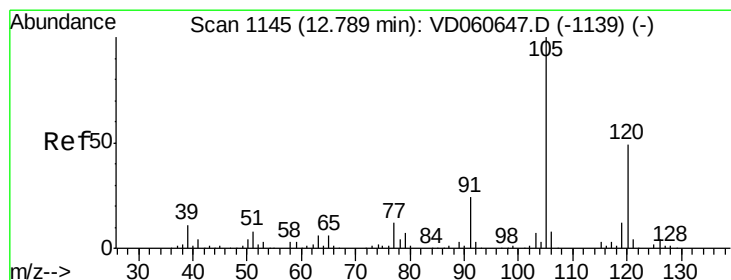
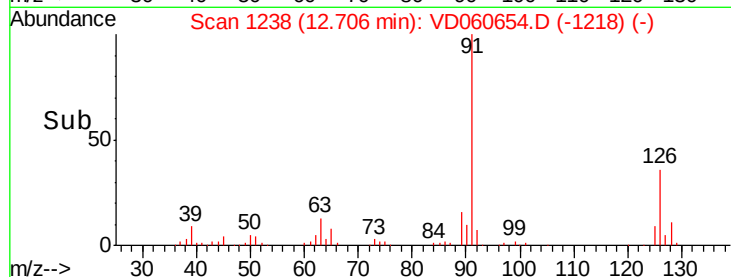
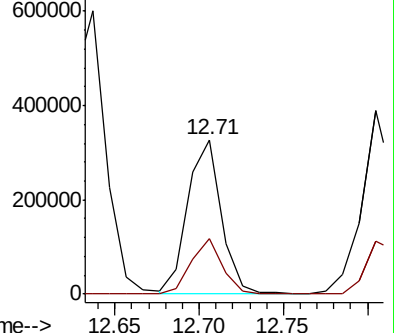
91 100

126 35.8 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 10.098 ug/l

RT: 12.79 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060654.D

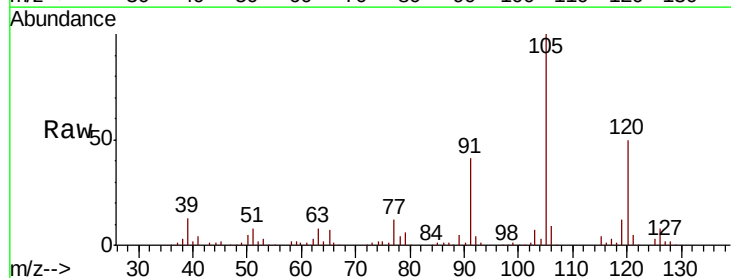
Acq: 20 Dec 2018 11:26

Tgt Ion: 105 Resp: 521173

Ion Ratio Lower Upper

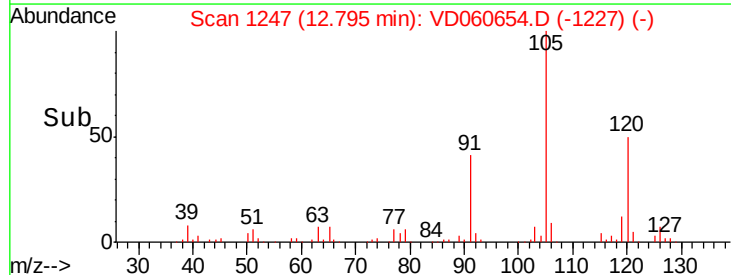
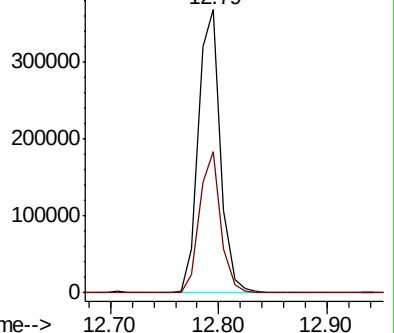
105 100

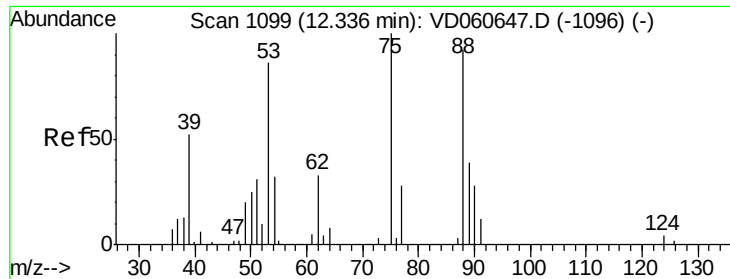
120 50.0 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

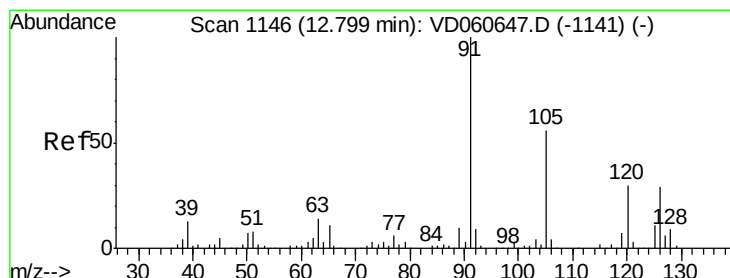
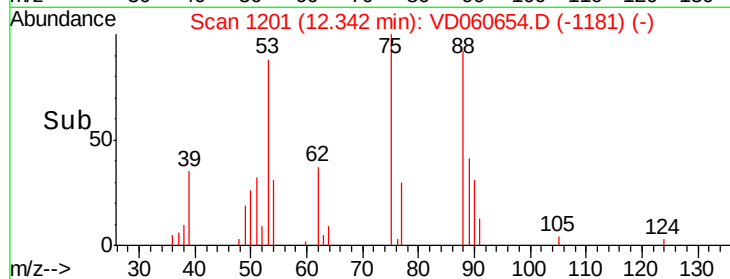
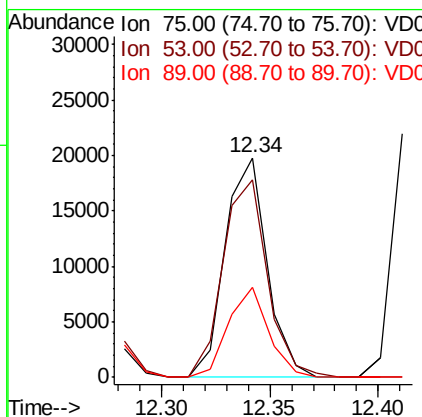
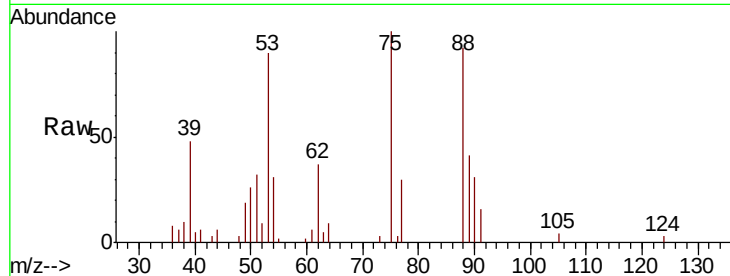




#81
trans-1,4-Dichloro-2-butene
Concen: 8.543 ug/l
RT: 12.34 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

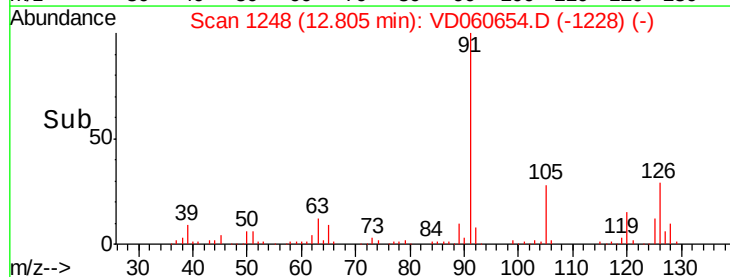
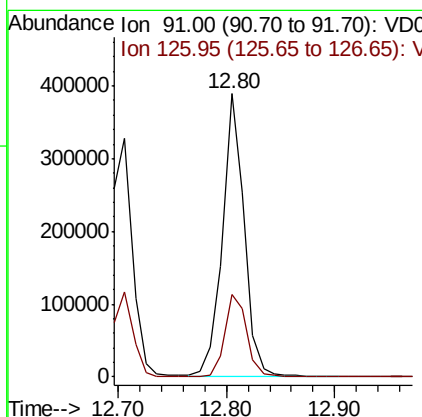
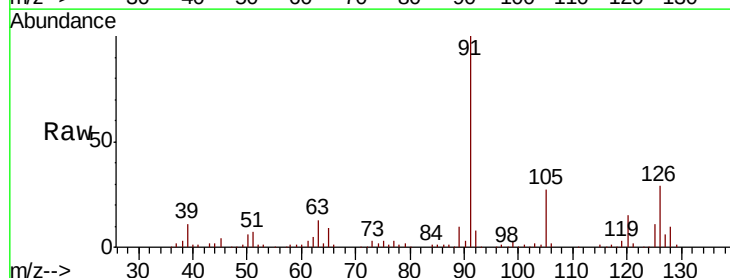
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

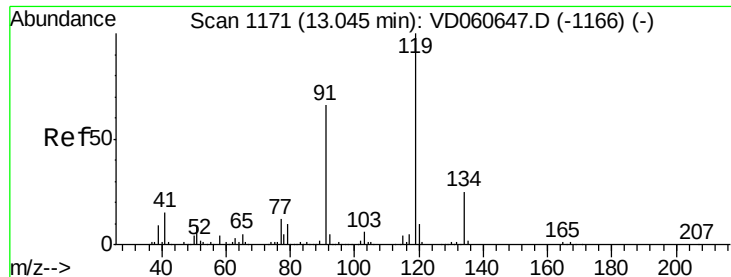
Tgt Ion: 75 Resp: 26778
Ion Ratio Lower Upper
75 100
53 90.2 72.1 108.1
89 40.8 35.1 52.7



#82
4-Chlorotoluene
Concen: 10.636 ug/l
RT: 12.80 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 91 Resp: 540417
Ion Ratio Lower Upper
91 100
126 29.1 14.6 43.8

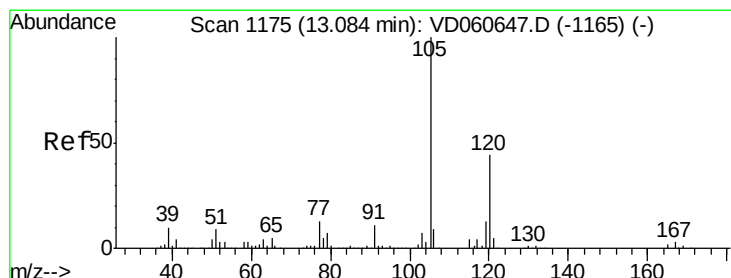
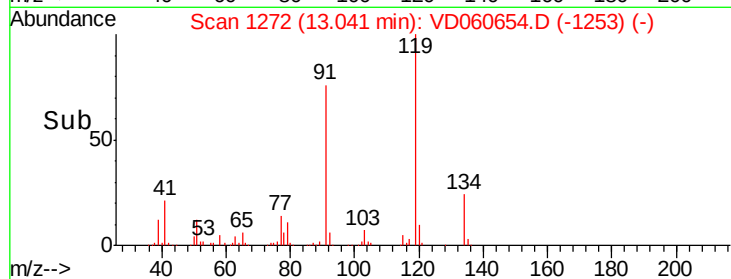
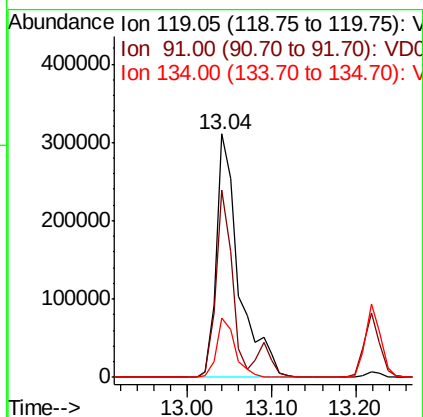
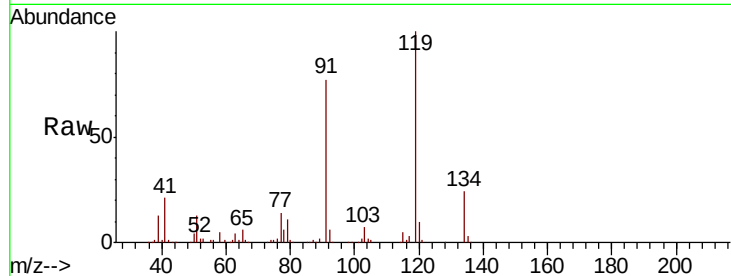




#83
 tert-Butylbenzene
 Concen: 9.877 ug/l
 RT: 13.04 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

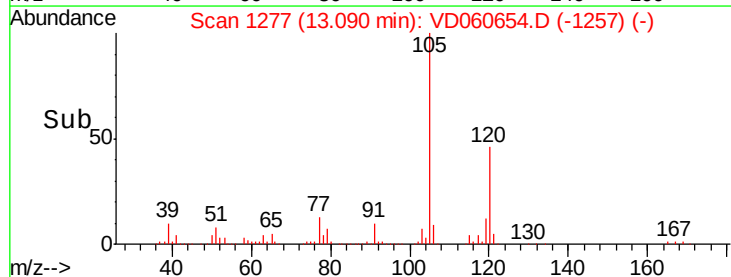
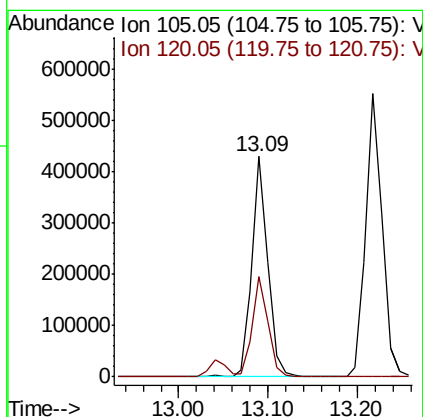
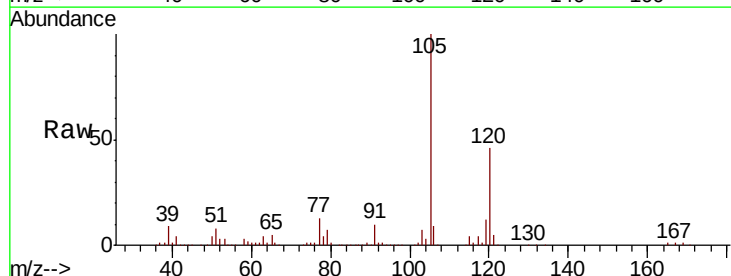
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

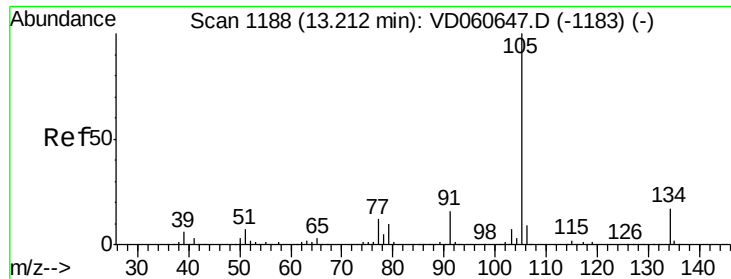
Tgt Ion:119 Resp: 581000
 Ion Ratio Lower Upper
 119 100
 91 76.7 32.5 97.4
 134 24.2 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 9.854 ug/l
 RT: 13.09 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion:105 Resp: 528310
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.4 67.0

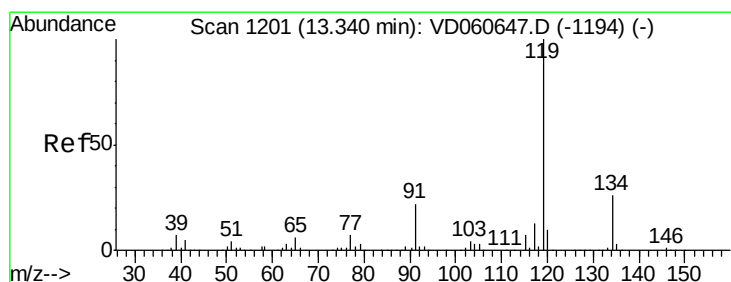
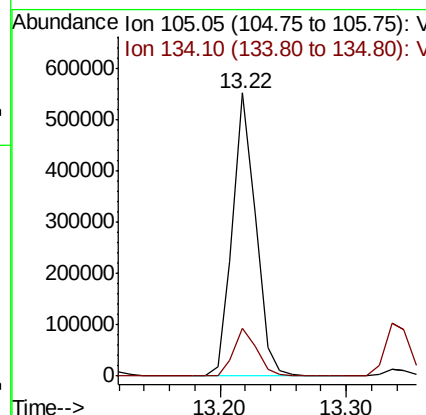
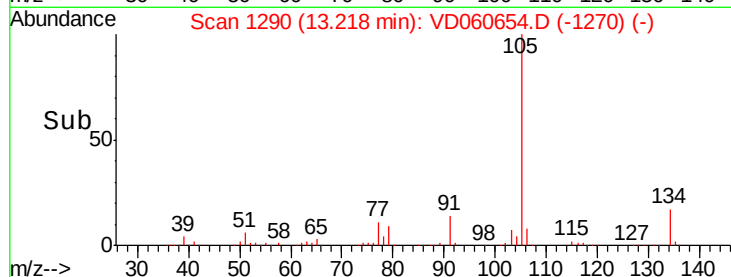
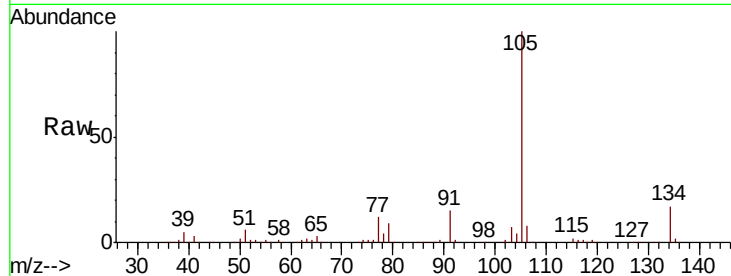




#85
 sec-Butylbenzene
 Concen: 9.531 ug/l
 RT: 13.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

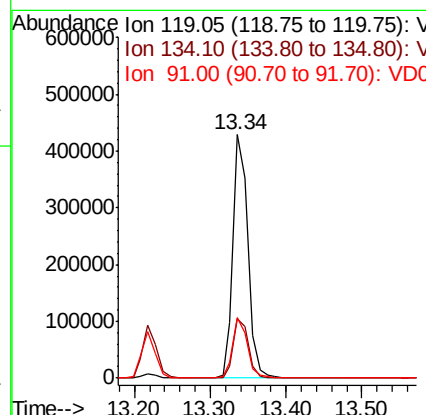
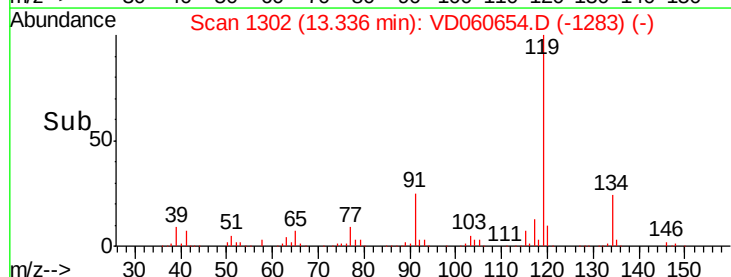
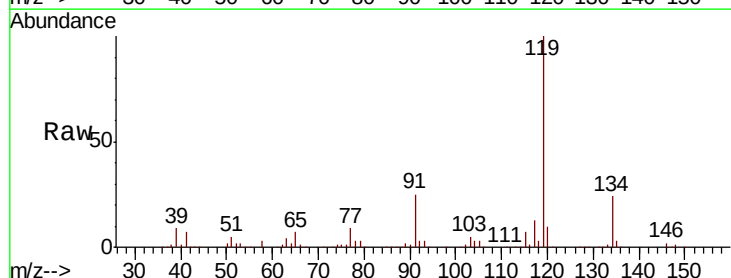
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

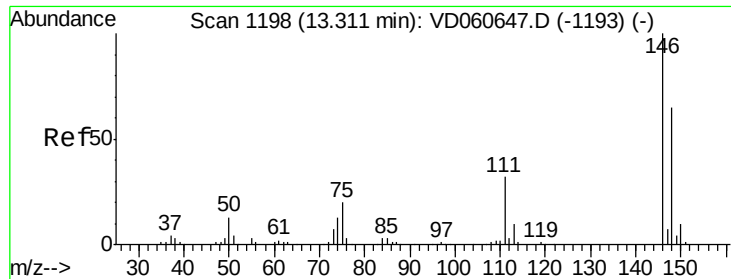
Tgt Ion:105 Resp: 697894
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 10.203 ug/l
 RT: 13.34 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion:119 Resp: 584129
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.5 37.5
 91 25.1 11.4 34.2

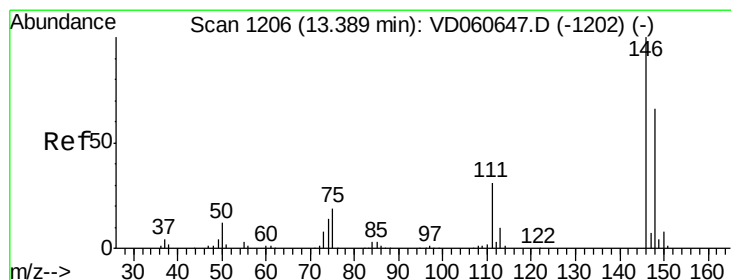
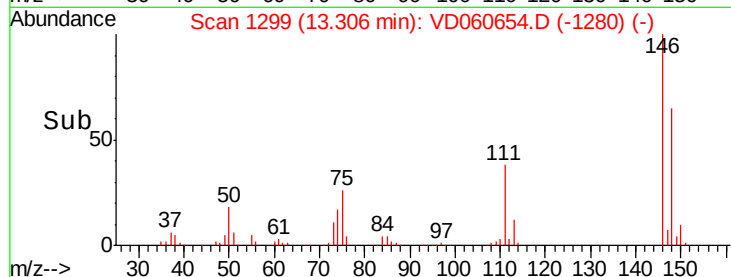
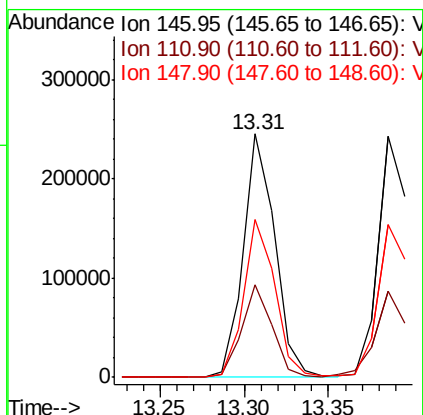
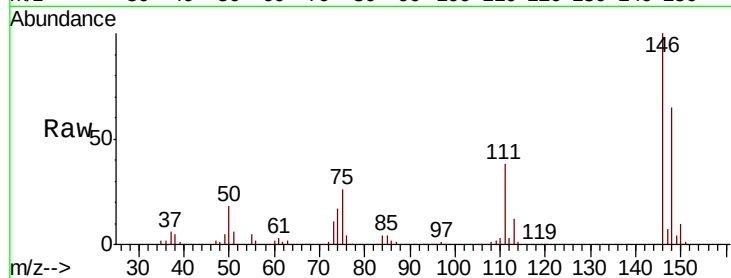




#87
 1,3-Dichlorobenzene
 Concen: 9.852 ug/l
 RT: 13.31 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

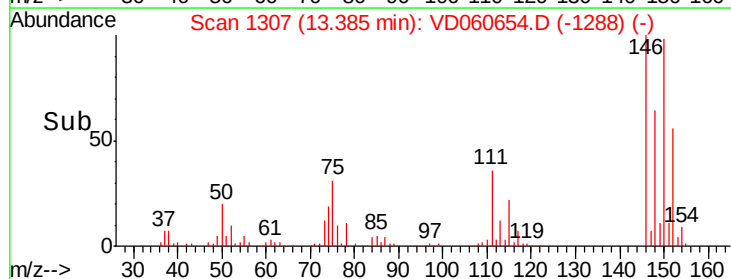
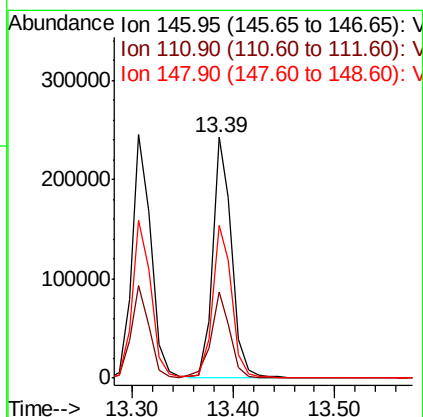
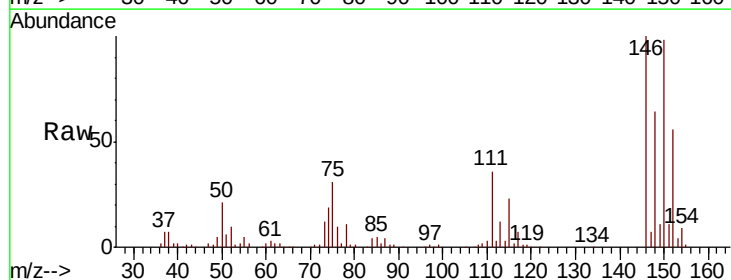
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

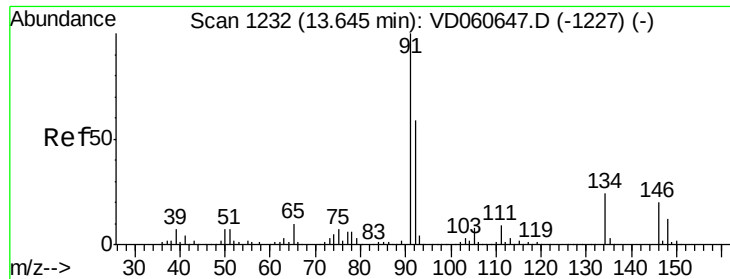
Tgt Ion:146 Resp: 320124
 Ion Ratio Lower Upper
 146 100
 111 37.9 16.6 49.8
 148 64.6 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 9.984 ug/l
 RT: 13.39 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion:146 Resp: 320151
 Ion Ratio Lower Upper
 146 100
 111 35.7 16.2 48.5
 148 63.8 32.7 98.1





#89

n-Butylbenzene

Concen: 10.505 ug/l

RT: 13.64 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

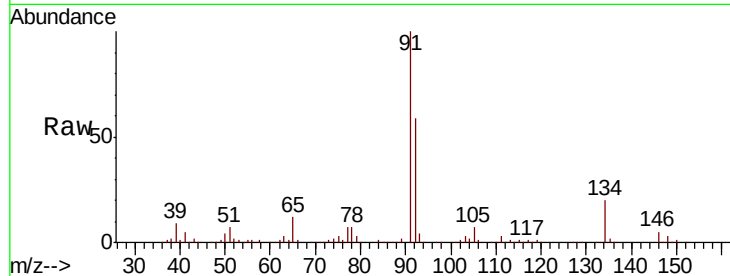
Tgt Ion: 91 Resp: 614375

Ion Ratio Lower Upper

91 100

92 59.4 29.7 89.1

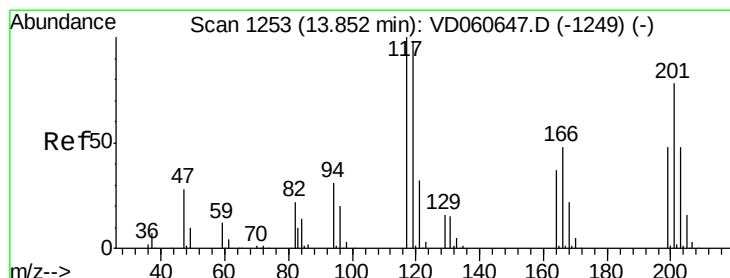
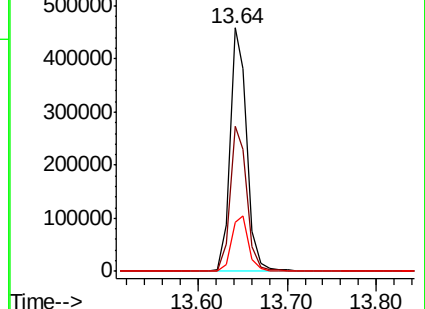
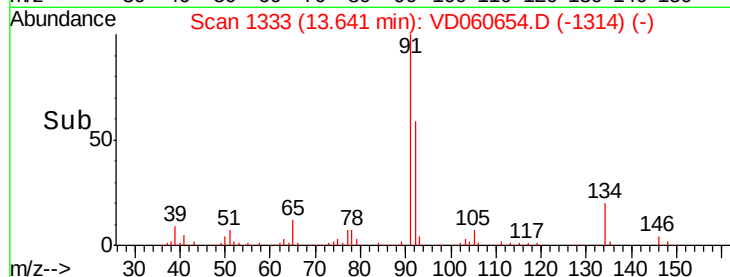
134 20.4 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 9.139 ug/l

RT: 13.86 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VD060654.D

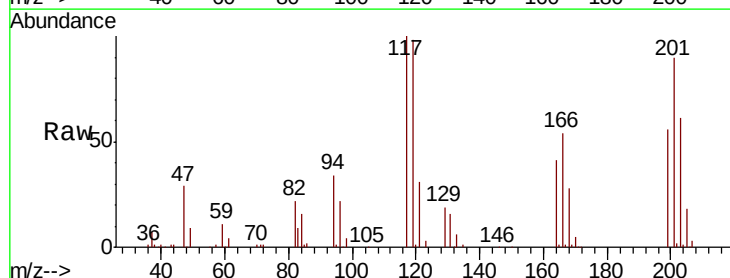
Acq: 20 Dec 2018 11:26

Tgt Ion: 117 Resp: 132954

Ion Ratio Lower Upper

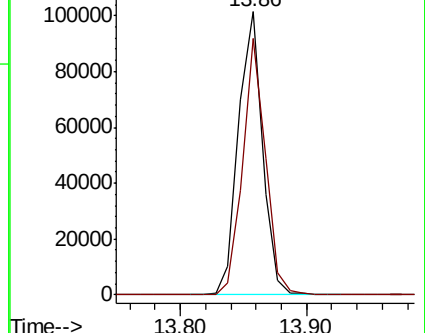
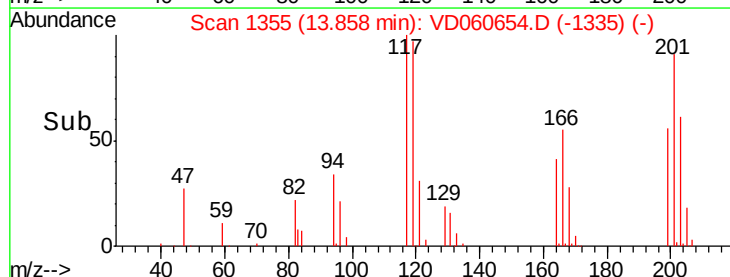
117 100

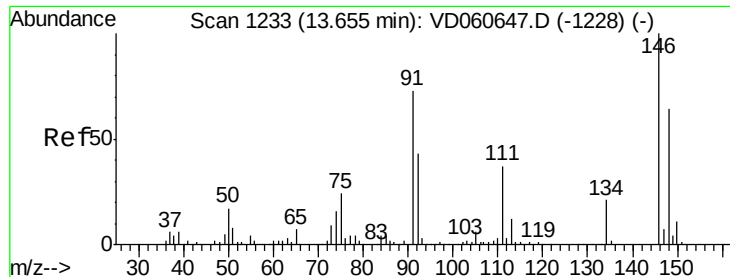
201 90.4 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

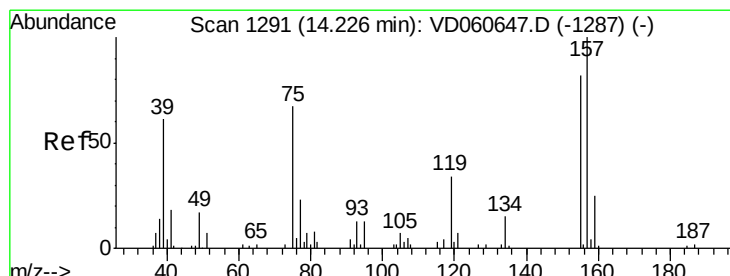
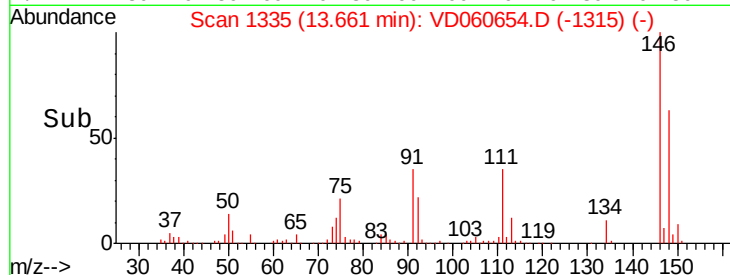
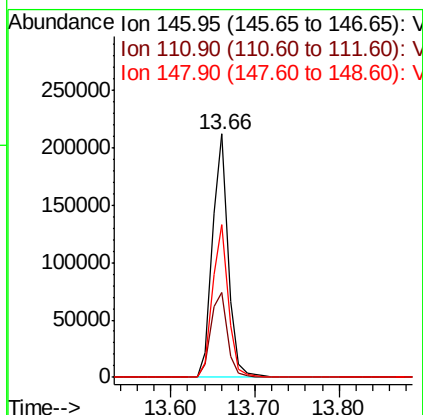
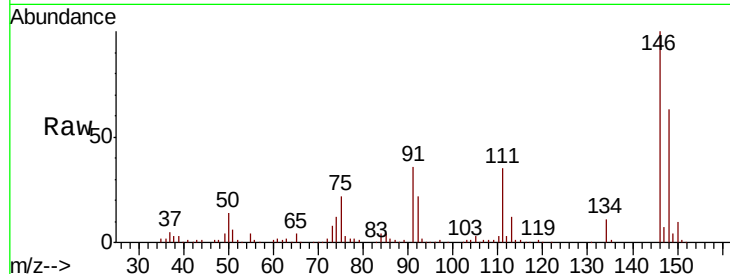




#91
 1,2-Dichlorobenzene
 Concen: 10.683 ug/l
 RT: 13.66 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

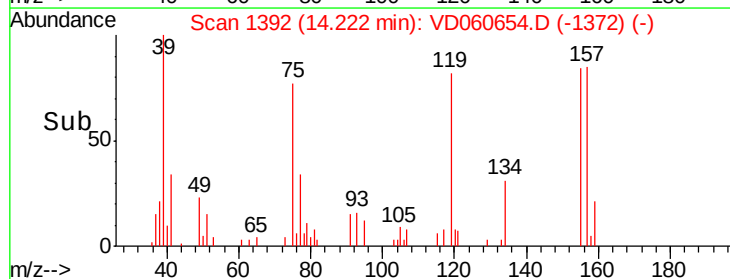
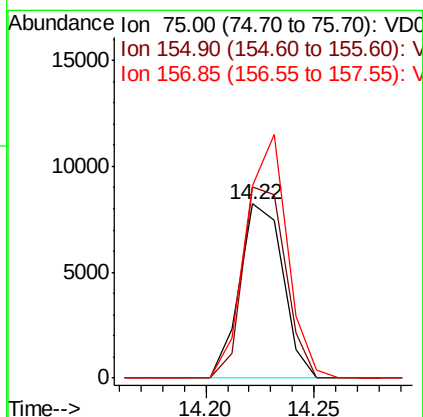
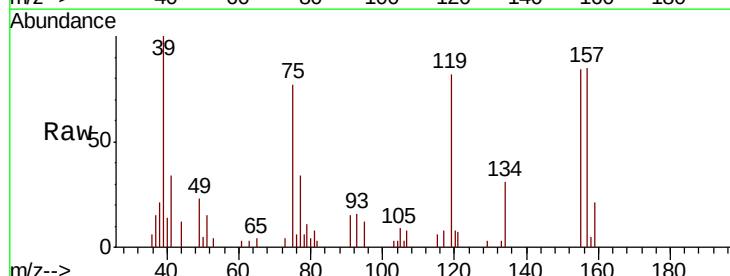
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

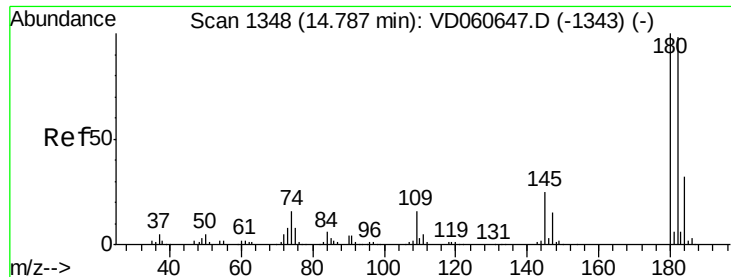
Tgt Ion: 146 Resp: 275643
 Ion Ratio Lower Upper
 146 100
 111 34.8 19.3 57.9
 148 62.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.694 ug/l
 RT: 14.22 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 75 Resp: 11420
 Ion Ratio Lower Upper
 75 100
 155 109.7 41.1 123.4
 157 110.4 52.5 157.6

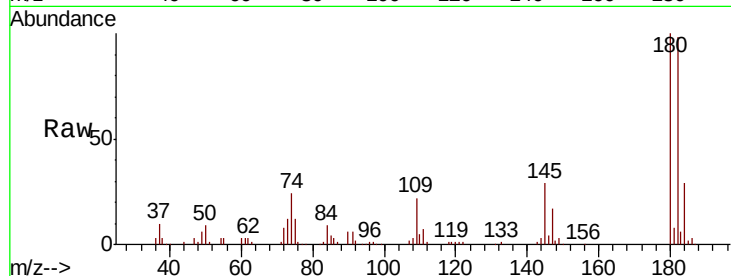




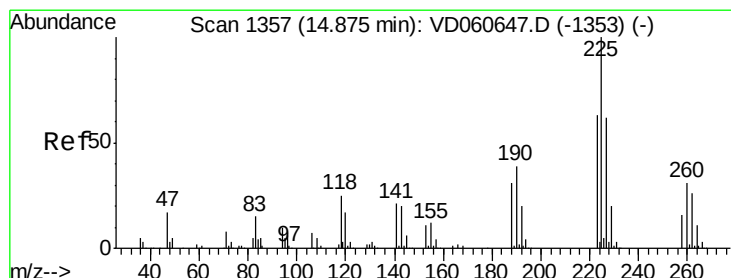
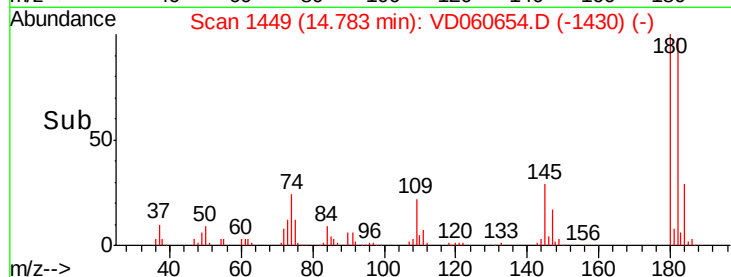
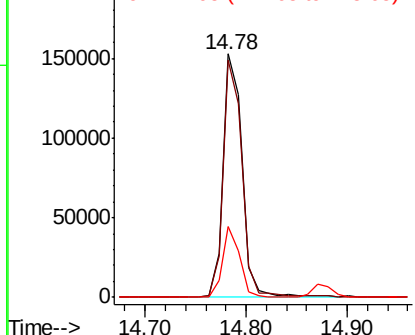
#93
 1,2,4-Trichlorobenzene
 Concen: 9.414 ug/l
 RT: 14.78 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 201179
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.8 146.4
 145 28.9 11.8 35.3

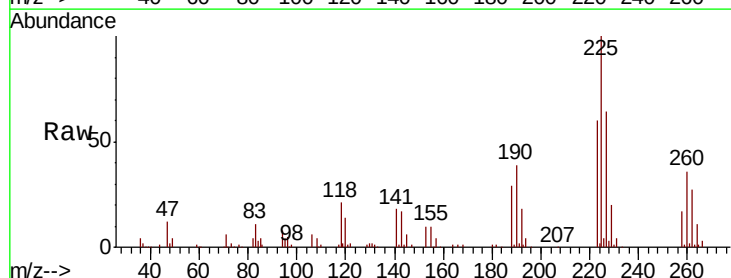


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

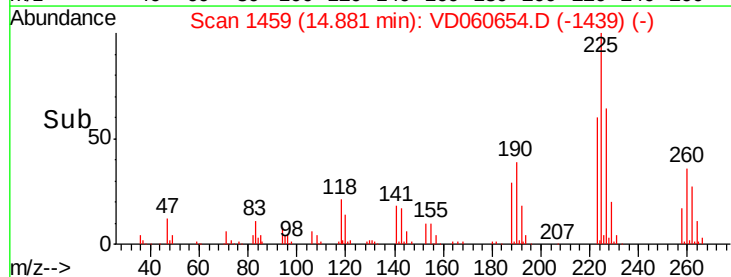
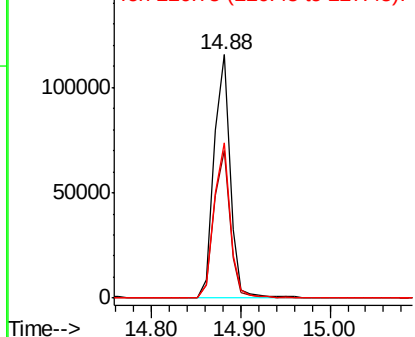


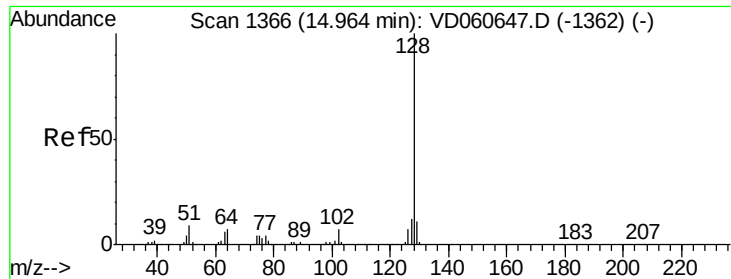
#94
 Hexachlorobutadiene
 Concen: 9.576 ug/l
 RT: 14.88 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion:225 Resp: 147299
 Ion Ratio Lower Upper
 225 100
 223 60.4 31.3 93.8
 227 63.5 32.5 97.4



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

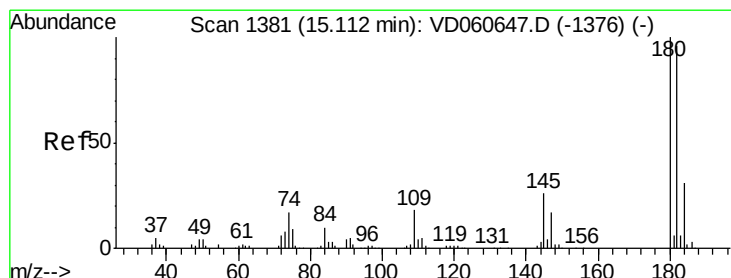
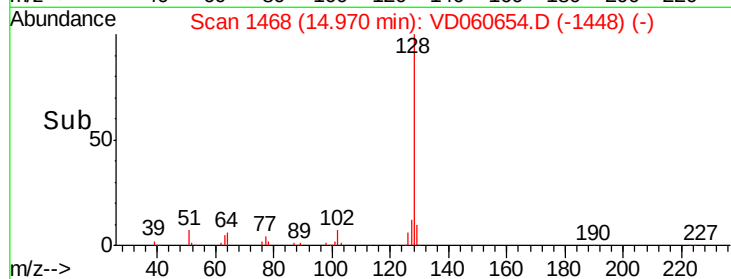
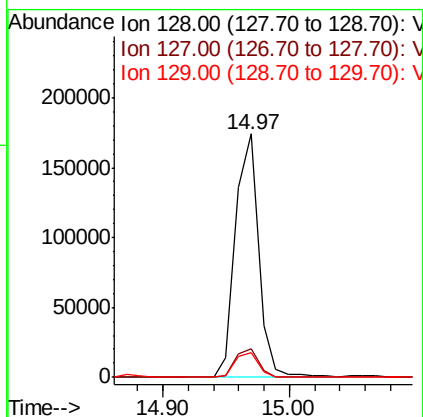
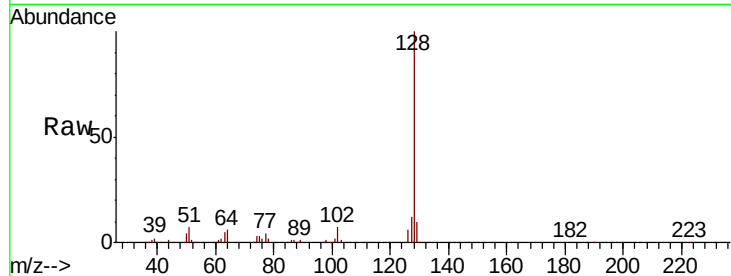




#95
Naphthalene
Concen: 8.504 ug/l
RT: 14.97 min Scan# 1468
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 221256
Ion Ratio Lower Upper
128 100
127 11.5 10.1 15.1
129 10.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 9.253 ug/l
RT: 15.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion:180 Resp: 155623
Ion Ratio Lower Upper
180 100
182 100.9 48.6 145.9
145 25.6 12.6 37.8

