

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060758.D
 Acq On : 18 Jan 2019 12:51
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jan 19 02:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	1512468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	2157732	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	1734161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	832772	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.21	65	1303380	124.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	249.40%	
35) Dibromofluoromethane	6.67	113	1236316	78.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.56%	
50) Toluene-d8	10.19	98	3203369	67.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	135.96%	
62) 4-Bromofluorobenzene	13.36	95	1429643	86.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	173.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	1220160	63.137	ug/l	100
3) Chloromethane	1.76	50	669670	37.652	ug/l	98
4) Vinyl Chloride	1.85	62	726087	51.420	ug/l	100
5) Bromomethane	2.13	94	163615	51.727	ug/l	95
6) Chloroethane	2.24	64	196648	46.664	ug/l	96
7) Trichlorofluoromethane	2.49	101	1184418	75.411	ug/l	97
8) Diethyl Ether	2.80	74	194695	74.092	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.06	101	607968	59.675	ug/l	89
10) Methyl Iodide	3.21	142	724513	67.666	ug/l #	73
11) Tert butyl alcohol	3.91	59	391861	897.072	ug/l	98
12) 1,1-Dichloroethene	3.04	96	430256	51.398	ug/l #	64
13) Acrolein	2.95	56	144993	325.723	ug/l	97
14) Allyl chloride	3.49	41	930192	60.558	ug/l #	75
15) Acrylonitrile	4.03	53	1046077	412.486	ug/l	94
16) Acetone	3.13	43	829325	454.341	ug/l #	90
17) Carbon Disulfide	3.27	76	1561833	58.421	ug/l	98
18) Methyl Acetate	3.52	43	313071	69.206	ug/l	100
19) Methyl tert-butyl Ether	4.07	73	2428542	114.349	ug/l	96
20) Methylene Chloride	3.68	84	1026020	54.125	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	1028021	59.965	ug/l #	81
22) Diisopropyl ether	4.89	45	3615114	69.317	ug/l	93
23) Vinyl Acetate	4.83	43	9647910	382.370	ug/l	99
24) 1,1-Dichloroethane	4.76	63	2102916	76.659	ug/l	97
25) 2-Butanone	5.83	43	1681055	481.276	ug/l	93
26) 2,2-Dichloropropane	5.78	77	1884480	87.028	ug/l	88
27) cis-1,2-Dichloroethene	5.79	96	1084266	62.303	ug/l	72
28) Bromochloromethane	6.19	49	762739	65.816	ug/l	99
29) Tetrahydrofuran	6.23	42	798879	403.448	ug/l #	85
30) Chloroform	6.41	83	2222364	80.511	ug/l	100
31) Cyclohexane	6.71	56	1762378	66.759	ug/l	99
32) 1,1,1-Trichloroethane	6.62	97	2016658	88.307	ug/l	96
36) 1,1-Dichloropropene	6.91	75	1594733	71.774	ug/l	93
37) Ethyl Acetate	5.93	43	812344	87.420	ug/l #	96
38) Carbon Tetrachloride	6.87	117	1730708	88.293	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	1582864	62.464	ug/l	89
40) Benzene	7.21	78	3808255	66.355	ug/l	99
41) Methacrylonitrile	6.20	41	367213m	71.442	ug/l	
42) 1,2-Dichloroethane	7.34	62	1603351	112.576	ug/l	91
43) Isopropyl Acetate	9.00	43	1197405	100.413	ug/l #	94
44) Trichloroethene	8.30	130	1193821	70.279	ug/l	96
45) 1,2-Dichloropropane	8.70	63	978842	69.545	ug/l	94
46) Dibromomethane	8.83	93	675651	84.109	ug/l	95
47) Bromodichloromethane	9.14	83	1729723	90.913	ug/l	99
48) Methyl methacrylate	8.89	41	719557	99.349	ug/l	87
49) 1,4-Dioxane	8.85	88	130440	1936.977	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	3456584	473.116	ug/l	89
52) Toluene	10.28	92	2306703	64.113	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	1562735	98.451	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	1766578	85.029	ug/l	93
55) 1,1,2-Trichloroethane	10.96	97	759206	78.427	ug/l	99
56) Ethyl methacrylate	10.82	69	1004026	111.664	ug/l	94
57) 1,3-Dichloropropane	11.19	76	1253410	81.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.62	63	1768805	333.863	ug/l	96
59) 2-Hexanone	11.32	43	2559062	500.410	ug/l	93
60) Dibromochloromethane	11.46	129	1180619	95.747	ug/l	98
61) 1,2-Dibromoethane	11.59	107	880923	87.733	ug/l	96
64) Tetrachloroethene	11.03	164	1004725	63.923	ug/l	93
65) Chlorobenzene	12.18	112	2473612	64.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	991091	80.452	ug/l	93
67) Ethyl Benzene	12.31	91	4205103	64.086	ug/l	95
68) m/p-Xylenes	12.46	106	2739919	114.260	ug/l	83
69) o-Xylene	12.84	106	1260303	55.397	ug/l	75
70) Styrene	12.87	104	2094837	57.172	ug/l #	90
71) Bromoform	13.03	173	757082	93.102	ug/l	96
73) Isopropylbenzene	13.20	105	4009274	67.619	ug/l	97
74) N-amyl acetate	13.06	43	1426025	101.905	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.50	83	940519	97.863	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	1060371	111.842	ug/l	100
77) Bromobenzene	13.46	156	1135321	72.527	ug/l	82
78) n-propylbenzene	13.57	91	5117494	67.512	ug/l	98
79) 2-Chlorotoluene	13.64	91	3184830	78.444	ug/l	94
80) 1,3,5-Trimethylbenzene	14.03	105	3361539	73.420	ug/l	85
81) trans-1,4-Dichloro-2-buten	13.27	75	295695	112.868	ug/l #	82
82) 4-Chlorotoluene	13.75	91	3134234	68.109	ug/l	100
83) tert-Butylbenzene	13.99	119	3411159	65.466	ug/l	88
84) 1,2,4-Trimethylbenzene	14.03	105	3361539	71.287	ug/l	92
85) sec-Butylbenzene	14.17	105	4263679	67.097	ug/l	97
86) p-Isopropyltoluene	14.29	119	3578015	69.754	ug/l	90
87) 1,3-Dichlorobenzene	14.26	146	1938600	67.462	ug/l	96
88) 1,4-Dichlorobenzene	14.34	146	1978062	69.855	ug/l	95
89) n-Butylbenzene	14.60	91	3057857	58.336	ug/l	97
90) Hexachloroethane	14.81	117	1022272	81.125	ug/l	98
91) 1,2-Dichlorobenzene	14.62	146	1418134	61.521	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.19	75	177916	157.579	ug/l	77

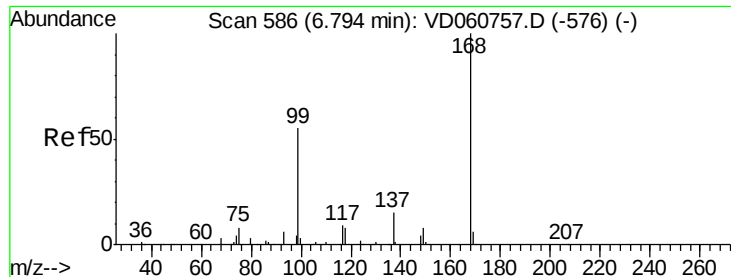
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1382714	75.383	ug/l	96
94) Hexachlorobutadiene	15.84	225	1002445	73.938	ug/l	99
95) Naphthalene	15.92	128	2396165	109.913	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	1250724	87.227	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

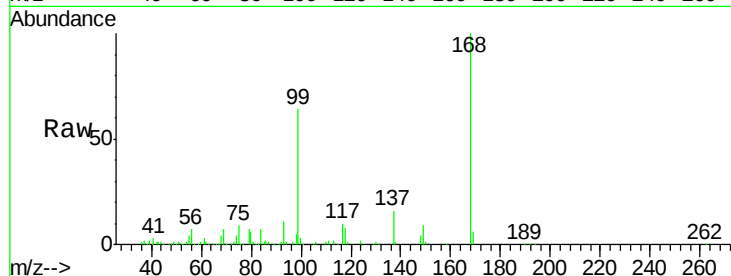
VSTDIC075

Tot Ion:168 Resp: 1512468

Ion Ratio Lower Upper

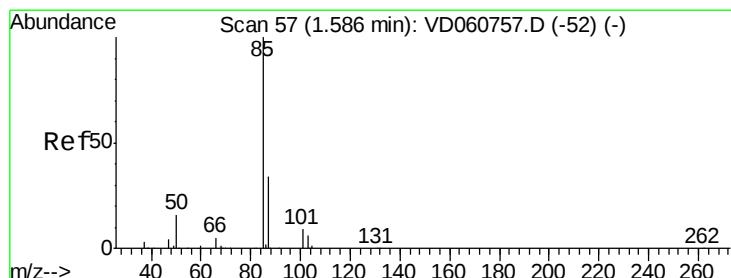
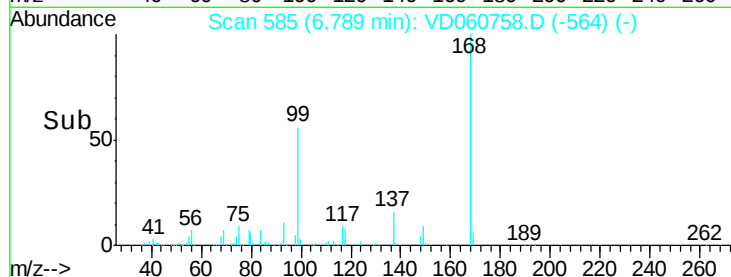
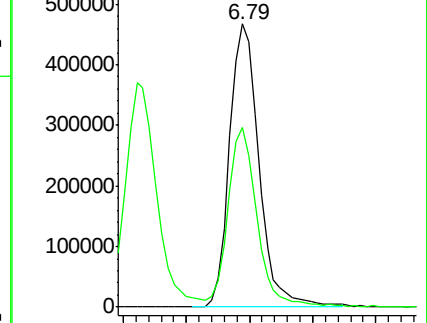
168 100

99 63.6 38.7 58.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 63.137 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.00 min

Lab File: VD060758.D

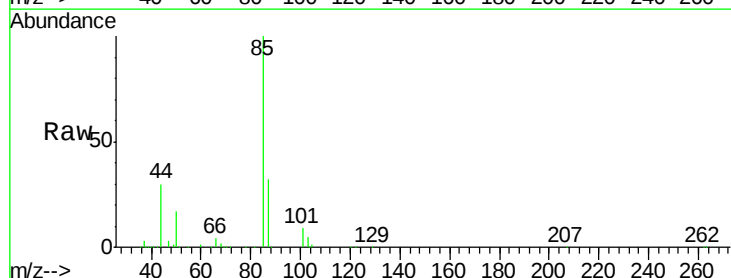
Acq: 18 Jan 2019 12:51

Tgt Ion: 85 Resp: 1220160

Ion Ratio Lower Upper

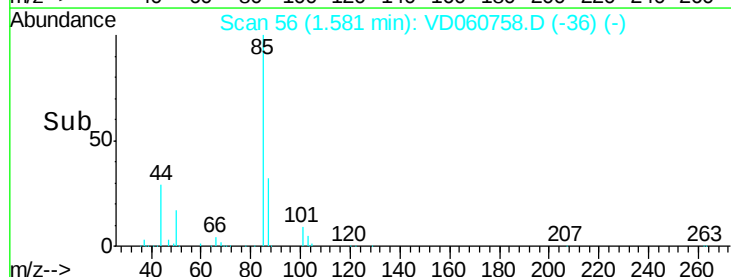
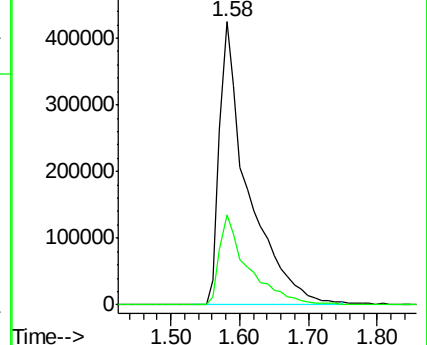
85 100

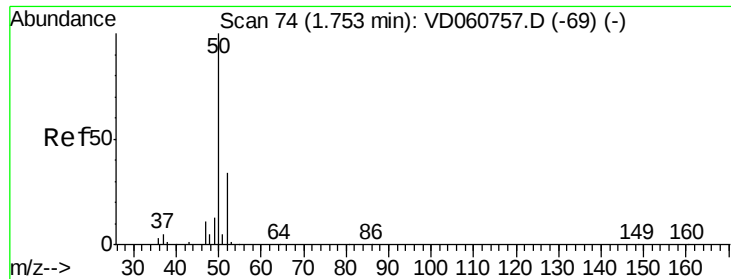
87 31.9 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 37.652 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

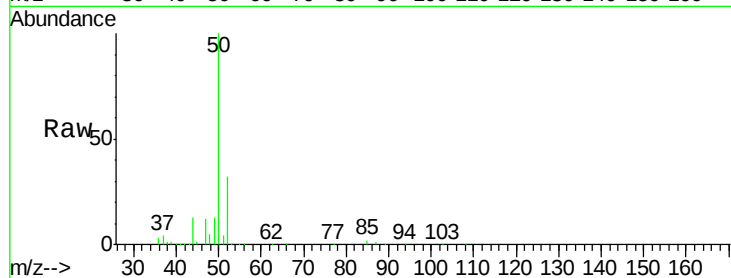
VSTDIC075

Tot Ion: 50 Resp: 669670

Ion Ratio Lower Upper

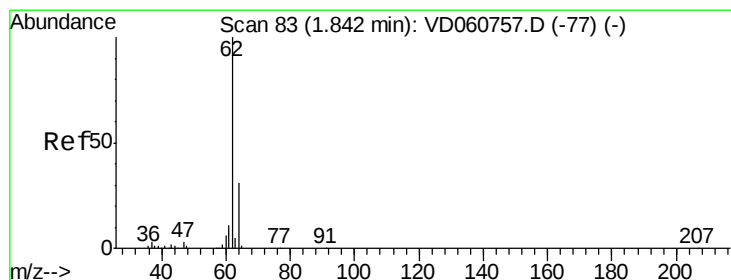
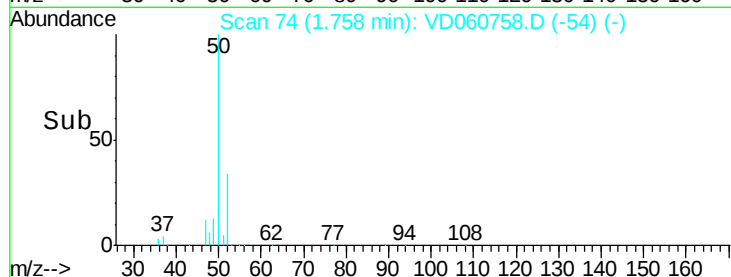
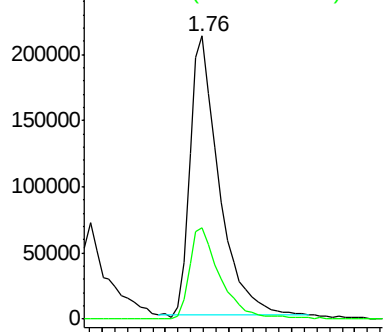
50 100

52 32.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.420 ug/l

RT: 1.85 min Scan# 83

Delta R.T. -0.00 min

Lab File: VD060758.D

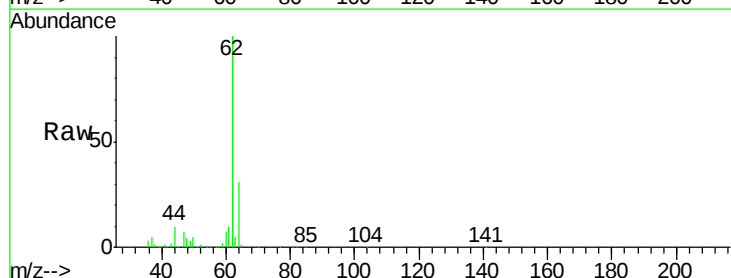
Acq: 18 Jan 2019 12:51

Tgt Ion: 62 Resp: 726087

Ion Ratio Lower Upper

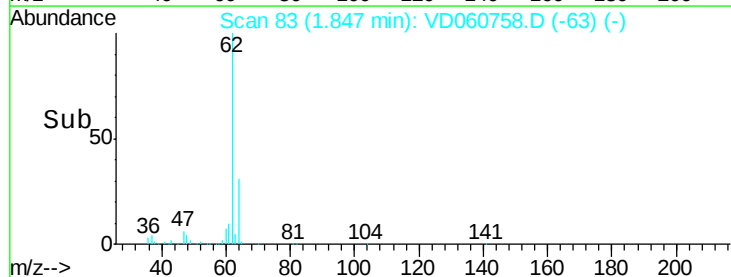
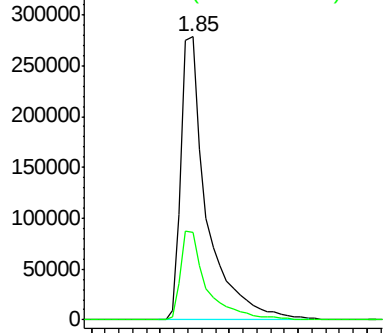
62 100

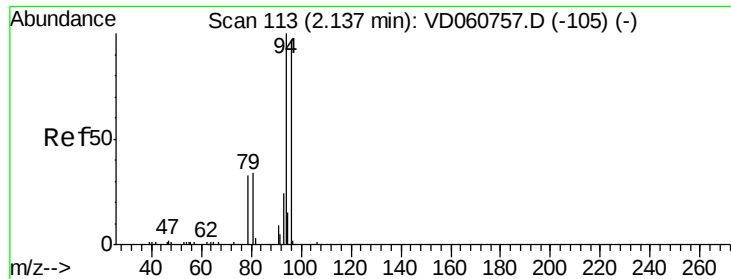
64 31.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.727 ug/l

RT: 2.13 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

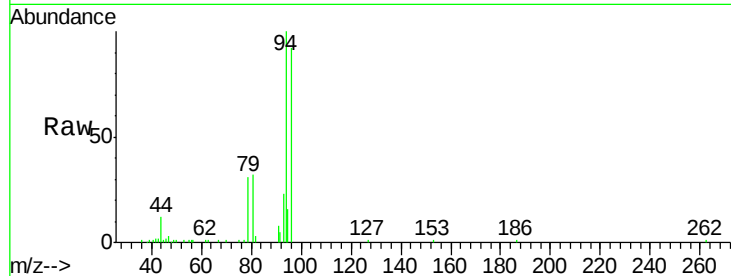
VSTDIC075

Tot Ion: 94 Resp: 163615

Ion Ratio Lower Upper

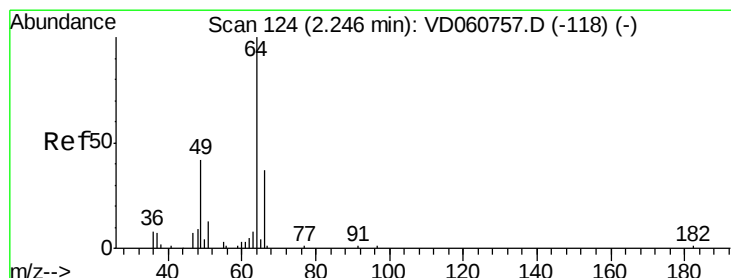
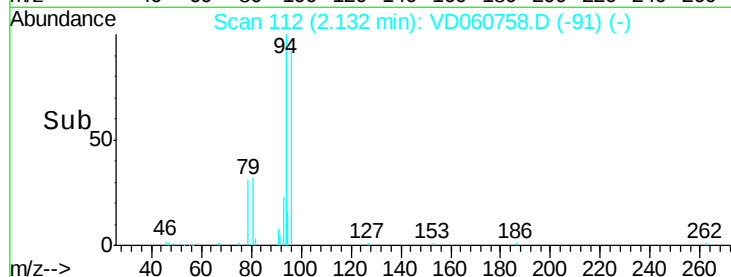
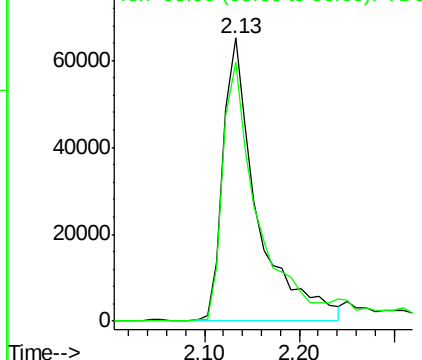
94 100

96 91.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.664 ug/l

RT: 2.24 min Scan# 123

Delta R.T. 0.01 min

Lab File: VD060758.D

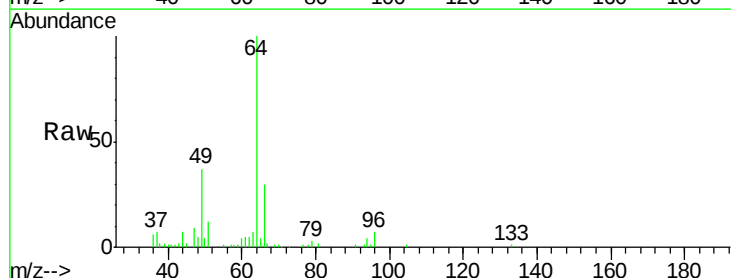
Acq: 18 Jan 2019 12:51

Tgt Ion: 64 Resp: 196648

Ion Ratio Lower Upper

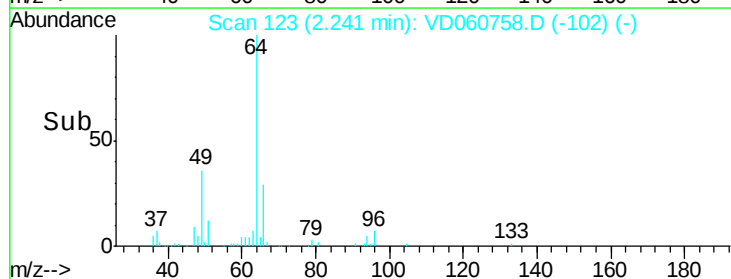
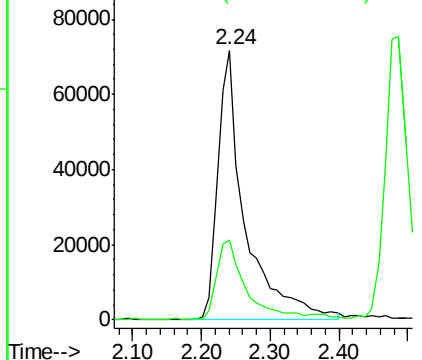
64 100

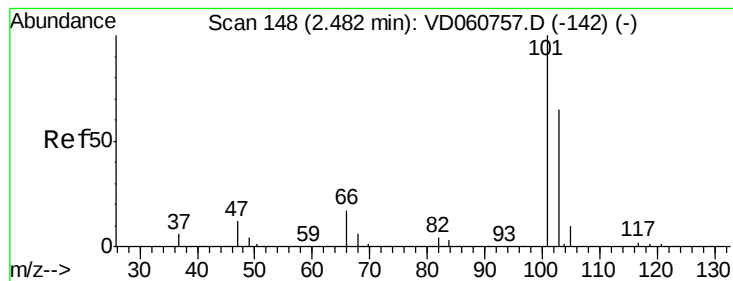
66 29.5 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



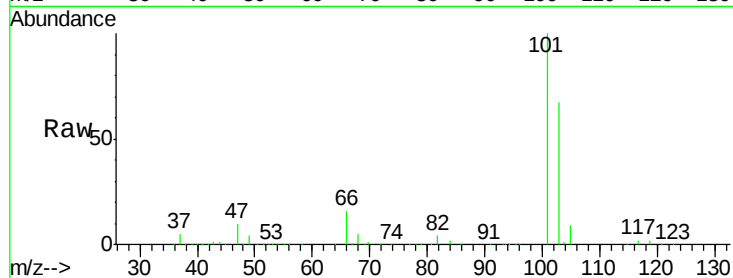


#7

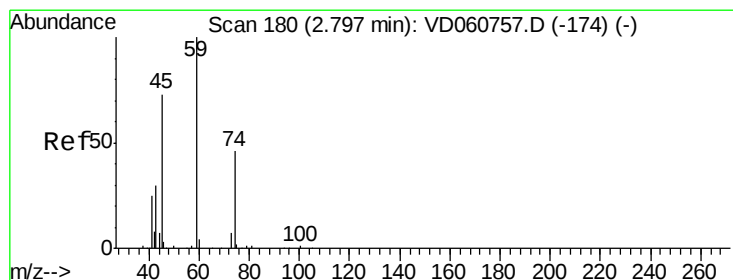
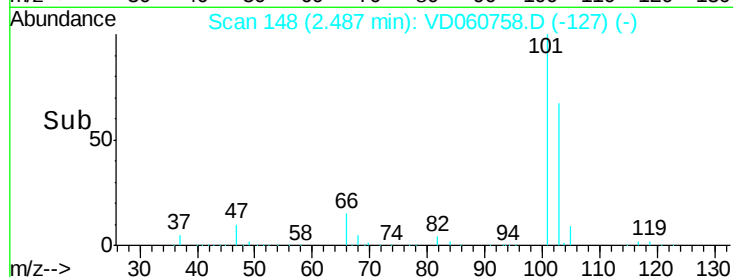
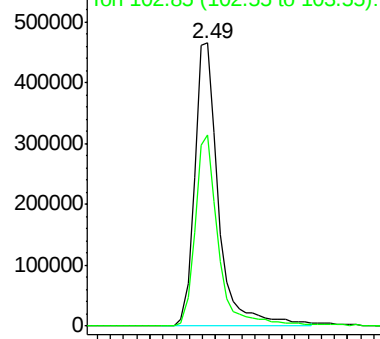
Trichlorofluoromethane
 Concen: 75.411 ug/l
 RT: 2.49 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Instrument :
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 VSTDIC075

Tot Ion:101 Resp: 1184418
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.9 77.9



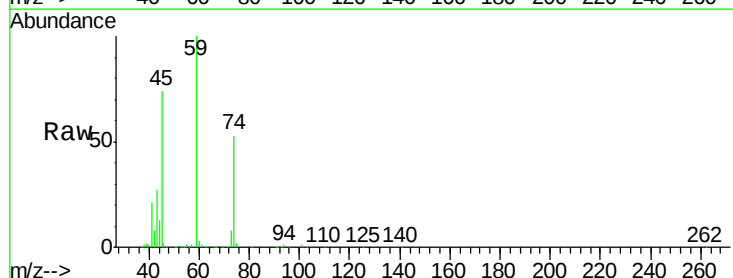
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



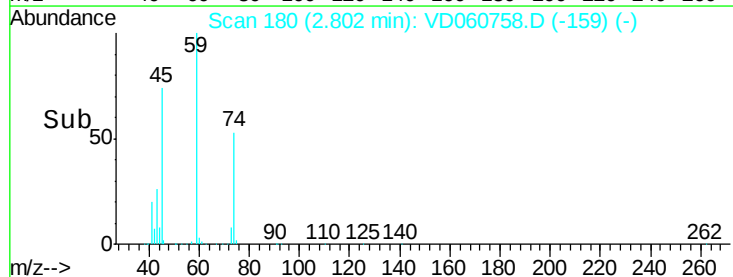
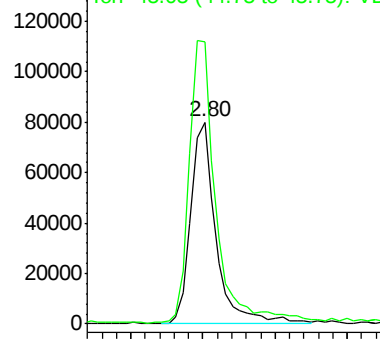
#8

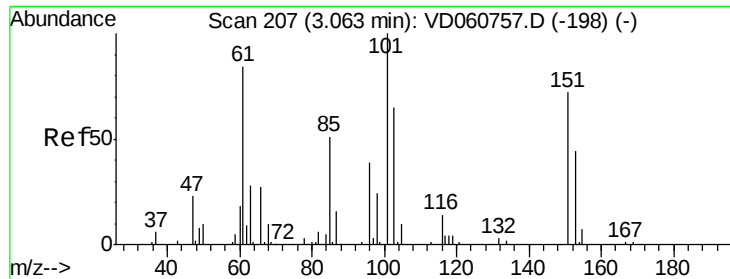
Diethyl Ether
 Concen: 74.092 ug/l
 RT: 2.80 min Scan# 180
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion: 74 Resp: 194695
 Ion Ratio Lower Upper
 74 100
 45 140.0 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: 59.675 ug/l

RT: 3.06 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

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VSTDIC075

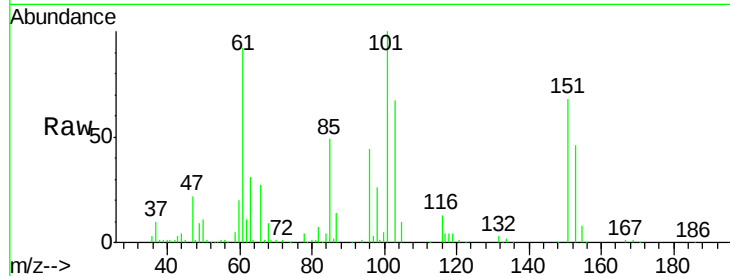
Tot Ion:101 Resp: 607968

Ion Ratio Lower Upper

101 100

85 49.3 33.4 50.0

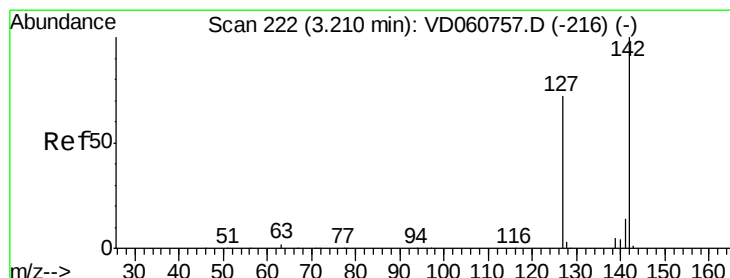
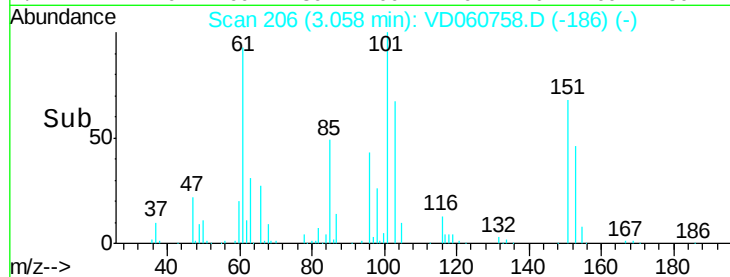
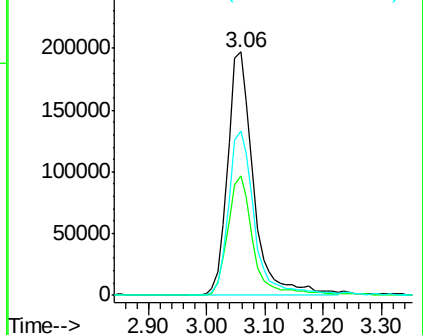
151 67.6 47.5 71.3



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: 67.666 ug/l

RT: 3.21 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

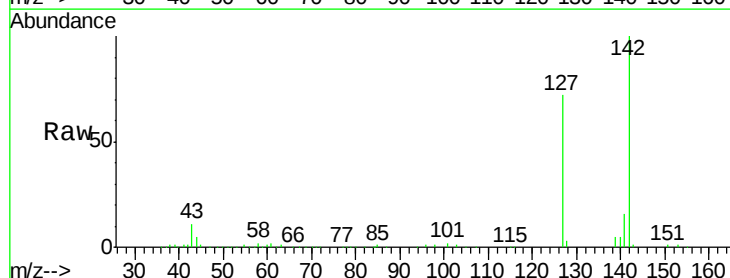
Tgt Ion:142 Resp: 724513

Ion Ratio Lower Upper

142 100

127 72.1 39.5 59.3#

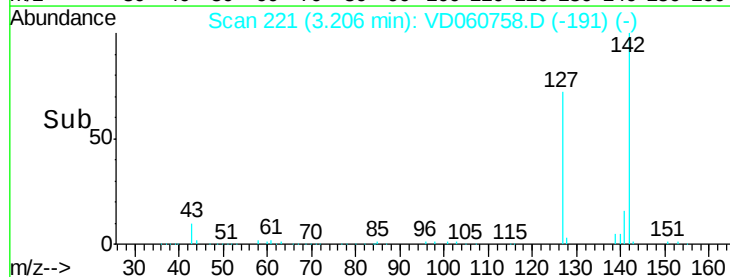
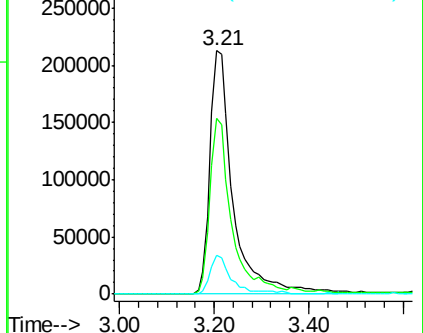
141 16.0 11.3 16.9

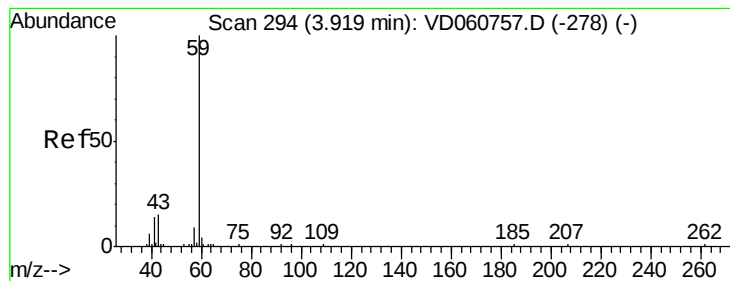


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



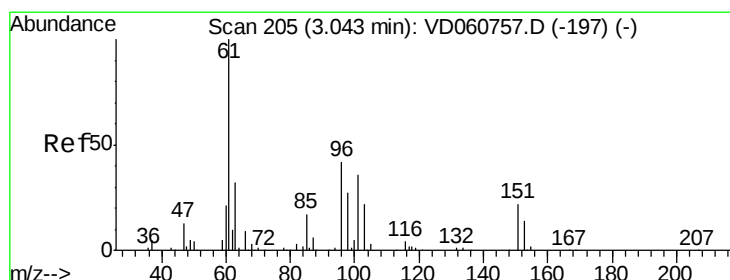
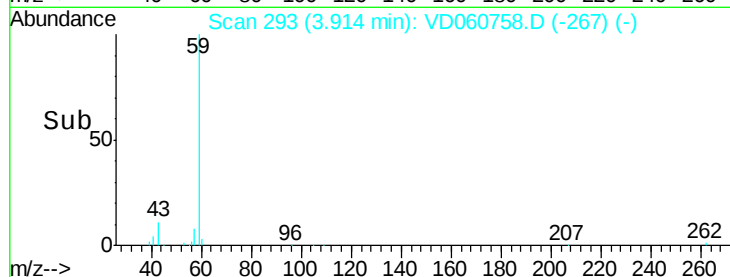
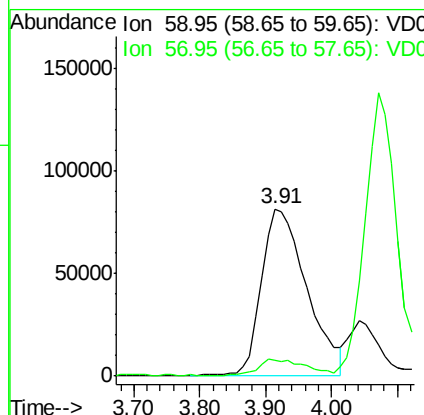
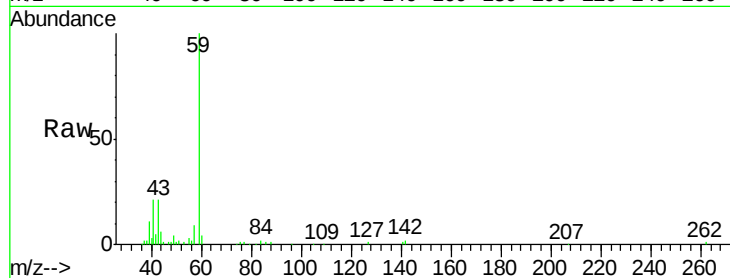


#11

Tert butyl alcohol
Concen: 897.072 ug/l
RT: 3.91 min Scan# 293
Delta R.T. 0.06 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

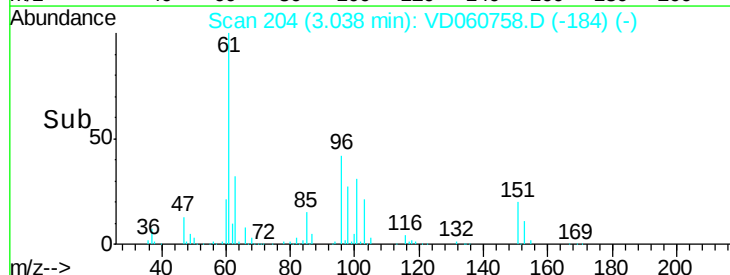
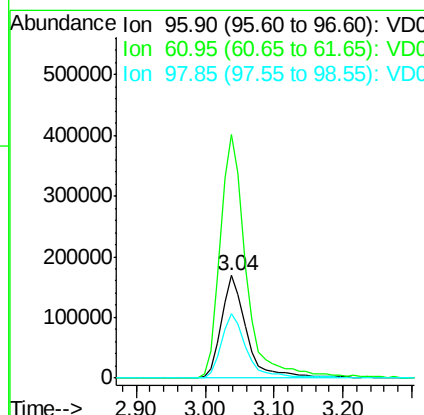
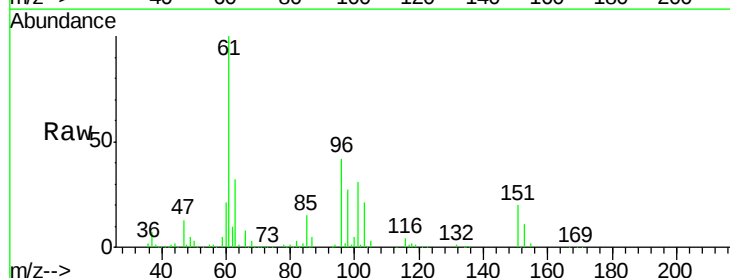
Tot Ion: 59 Resp: 391861
Ion Ratio Lower Upper
59 100
57 9.1 7.8 11.6

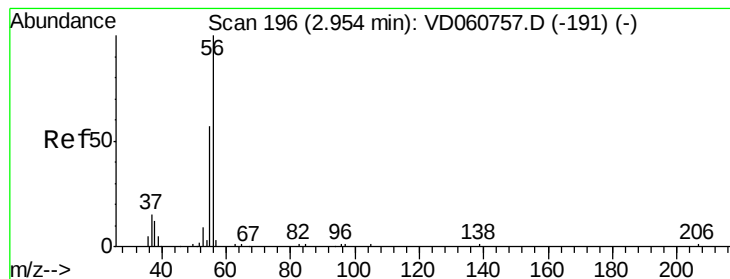


#12

1,1-Dichloroethene
Concen: 51.398 ug/l
RT: 3.04 min Scan# 204
Delta R.T. -0.00 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 96 Resp: 430256
Ion Ratio Lower Upper
96 100
61 237.6 136.2 204.4#
98 63.3 50.7 76.1





#13

Acrolein

Concen: 325.723 ug/l

RT: 2.95 min Scan# 195

Delta R.T. -0.00 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

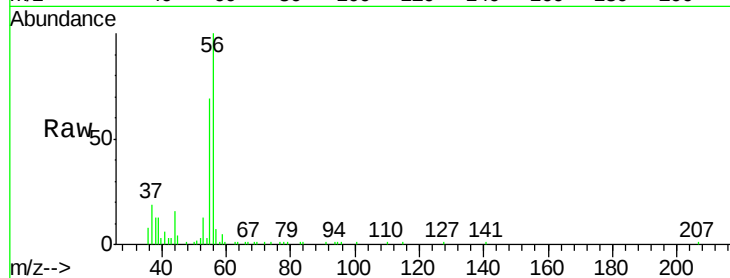
VSTDIC075

Tot Ion: 56 Resp: 144993

Ion Ratio Lower Upper

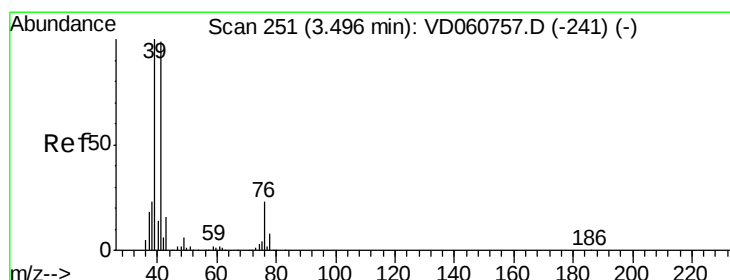
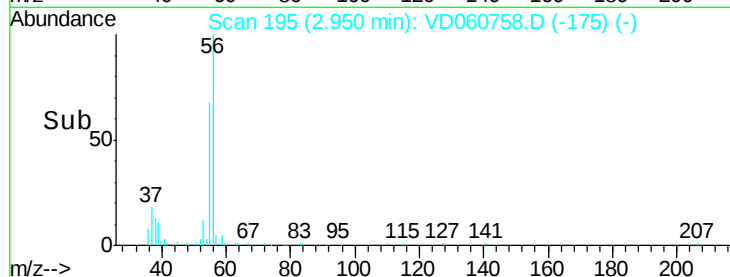
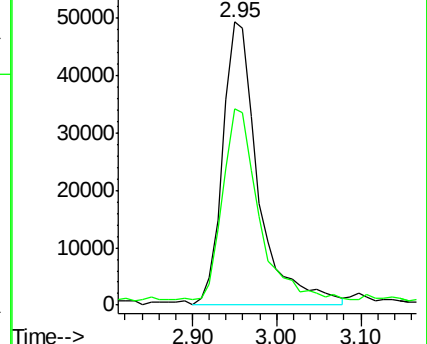
56 100

55 69.2 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 60.558 ug/l

RT: 3.49 min Scan# 250

Delta R.T. -0.00 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

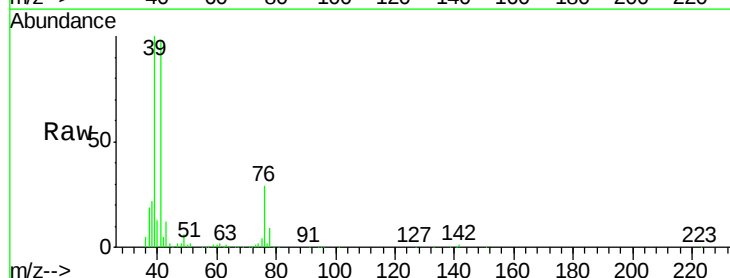
Tgt Ion: 41 Resp: 930192

Ion Ratio Lower Upper

41 100

39 102.1 59.6 89.4#

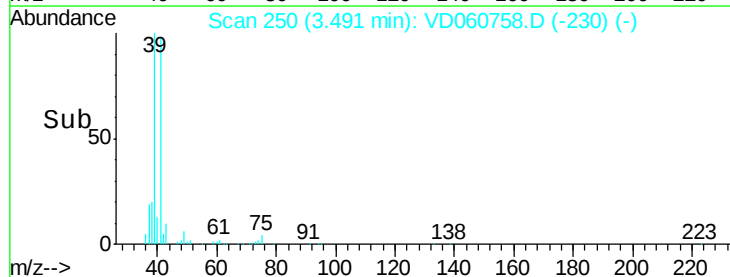
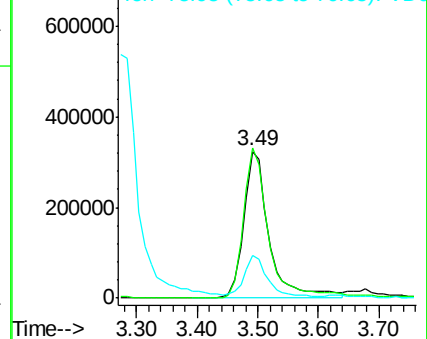
76 29.1 21.8 32.6

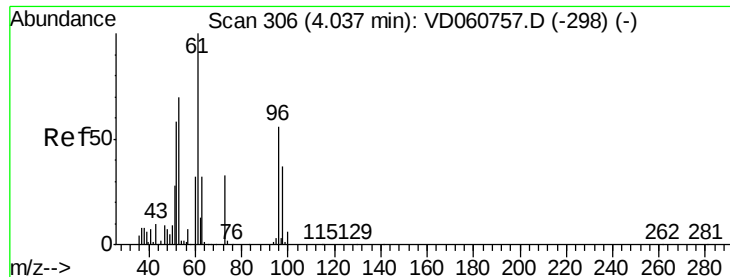


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 412.486 ug/l

RT: 4.03 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

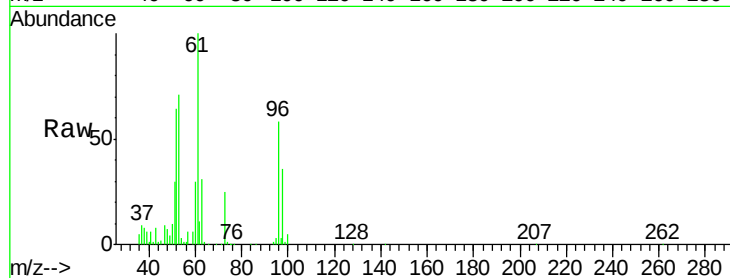
Tot Ion: 53 Resp: 1046077

Ion Ratio Lower Upper

53 100

52 90.2 66.7 100.1

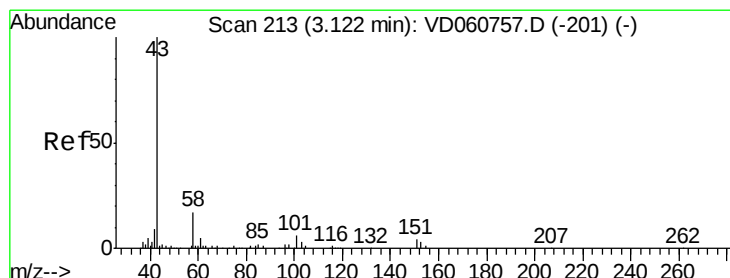
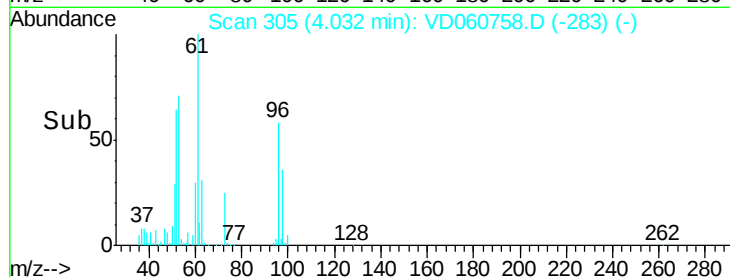
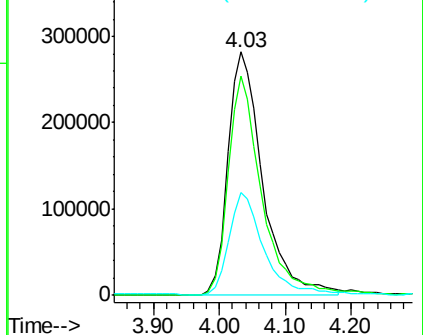
51 42.1 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 454.341 ug/l

RT: 3.13 min Scan# 213

Delta R.T. 0.02 min

Lab File: VD060758.D

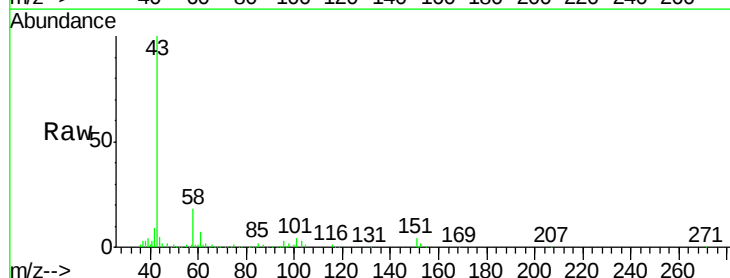
Acq: 18 Jan 2019 12:51

Tgt Ion: 43 Resp: 829325

Ion Ratio Lower Upper

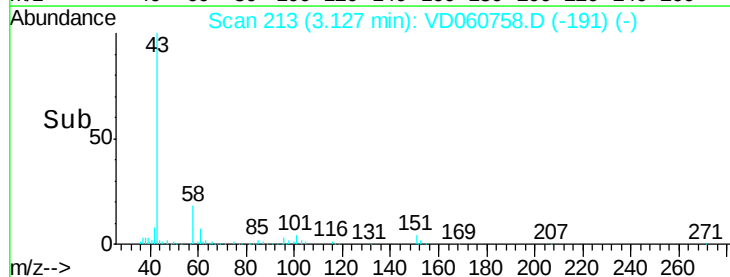
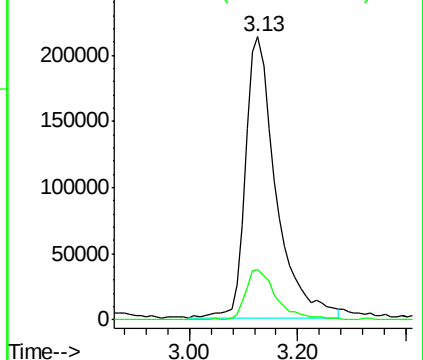
43 100

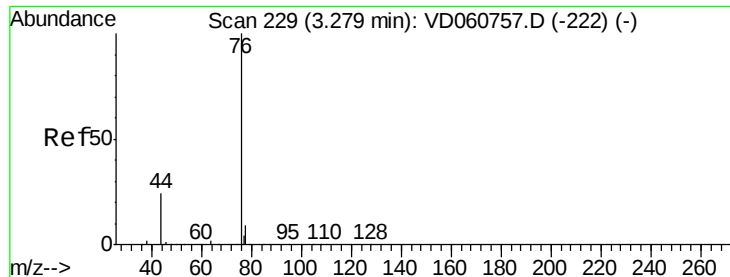
58 18.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 58.421 ug/l

RT: 3.27 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

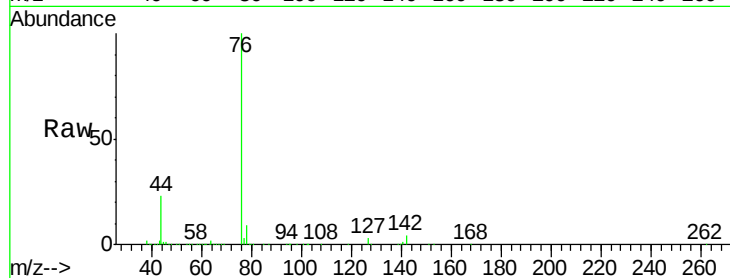
VSTDIC075

Tot Ion: 76 Resp: 1561833

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.27

600000

500000

400000

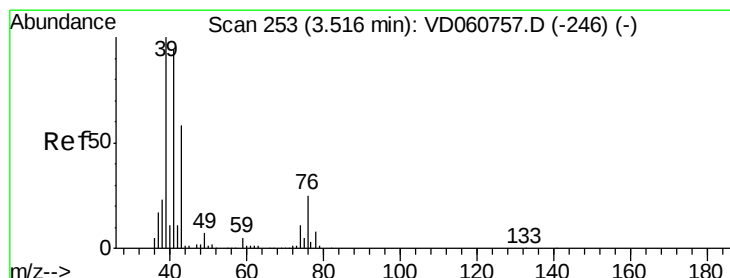
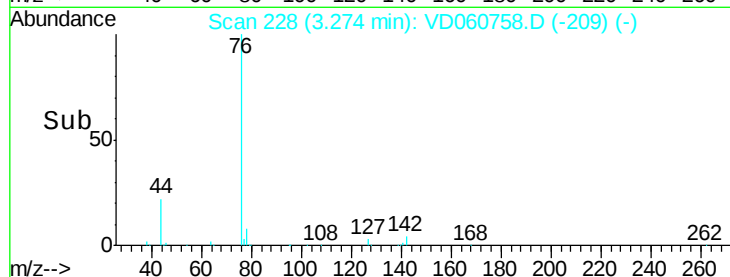
300000

200000

100000

0

Time--> 3.10 3.20 3.30 3.40 3.50



#18

Methyl Acetate

Concen: 69.206 ug/l

RT: 3.52 min Scan# 253

Delta R.T. 0.03 min

Lab File: VD060758.D

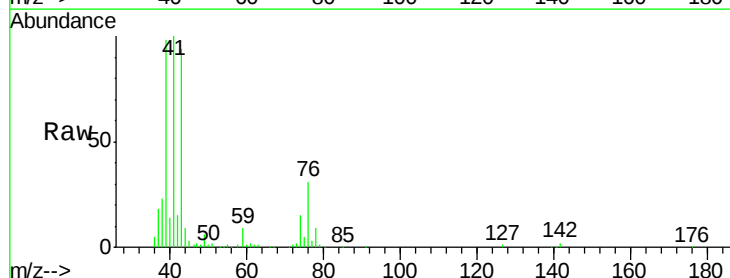
Acq: 18 Jan 2019 12:51

Tgt Ion: 43 Resp: 313071

Ion Ratio Lower Upper

43 100

74 15.6 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.52

120000

100000

80000

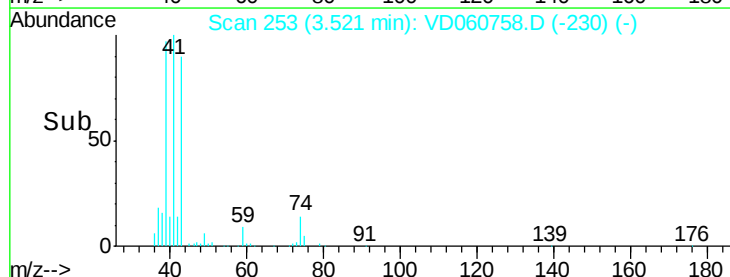
60000

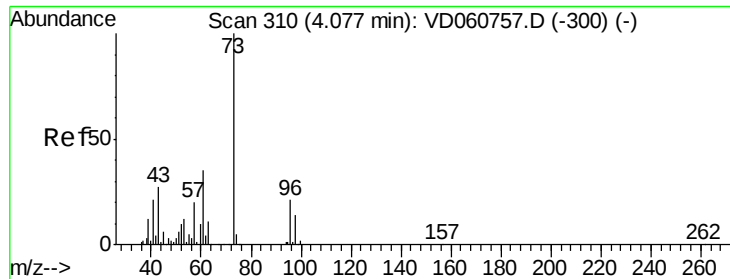
40000

20000

0

Time--> 3.40 3.50 3.60

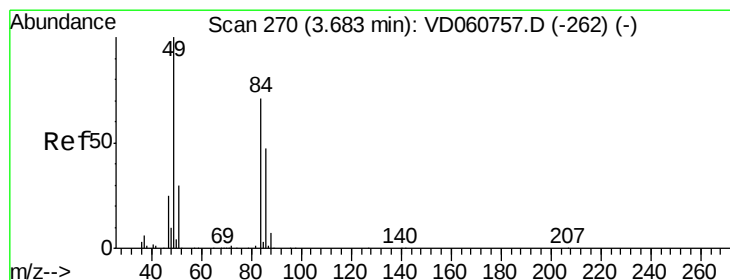
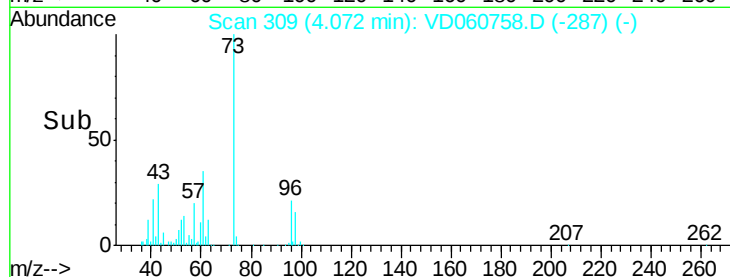
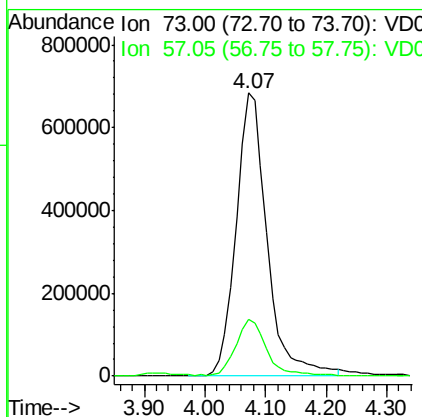
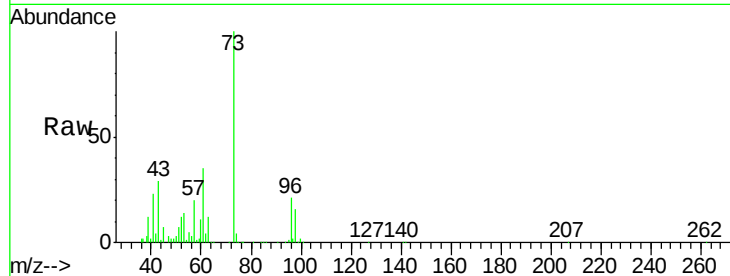




#19
Methyl tert-butyl Ether
Concen: 114.349 ug/l
RT: 4.07 min Scan# 309
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

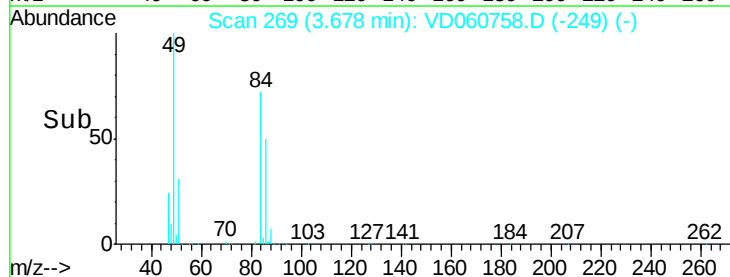
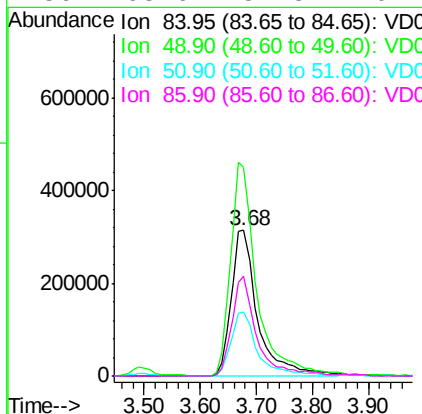
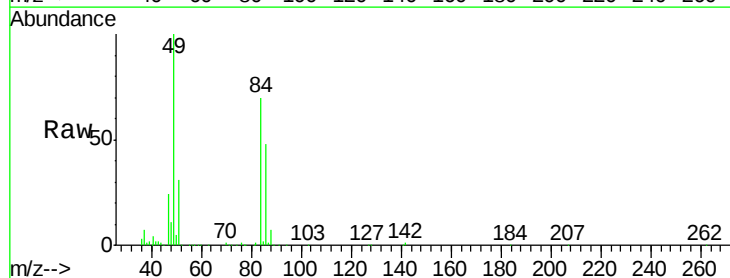
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

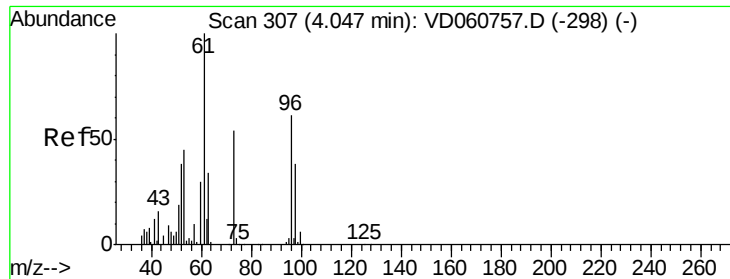
Tot Ion: 73 Resp: 2428542
Ion Ratio Lower Upper
73 100
57 20.2 17.6 26.4



#20
Methylene Chloride
Concen: 54.125 ug/l
RT: 3.68 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 84 Resp: 1026020
Ion Ratio Lower Upper
84 100
49 143.2 113.6 170.4
51 43.9 34.7 52.1
86 68.6 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 59.965 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.00 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

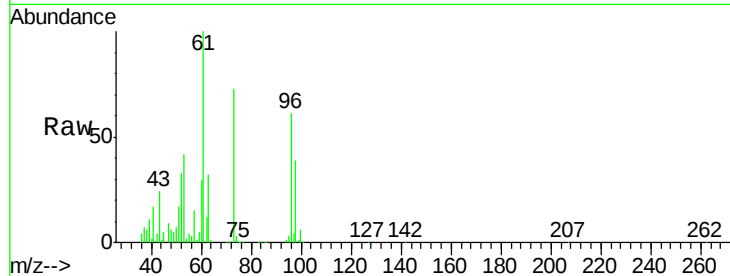
Tot Ion: 96 Resp: 1028021

Ion Ratio Lower Upper

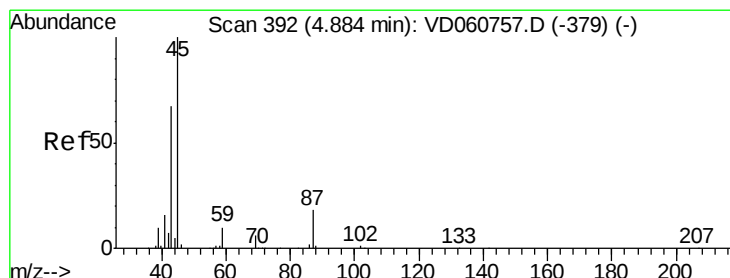
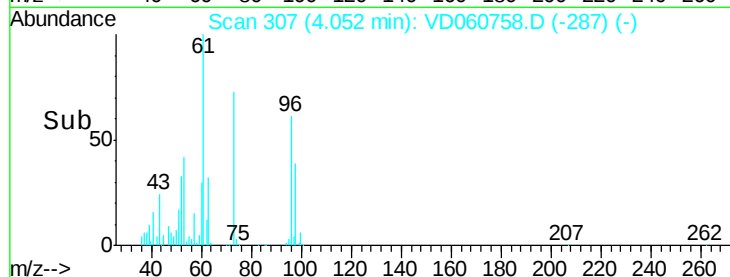
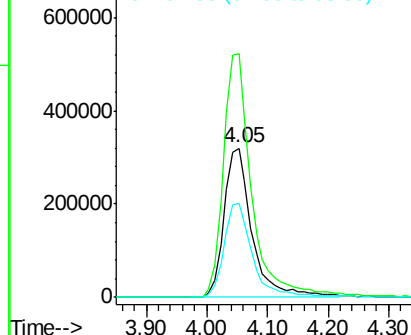
96 100

61 163.5 104.2 156.2#

98 63.4 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: 69.317 ug/l

RT: 4.89 min Scan# 392

Delta R.T. 0.04 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Tgt Ion: 45 Resp: 3615114

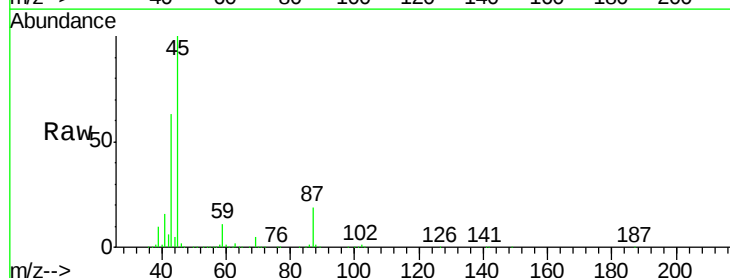
Ion Ratio Lower Upper

45 100

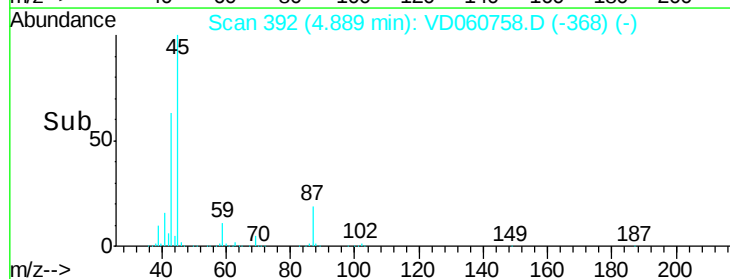
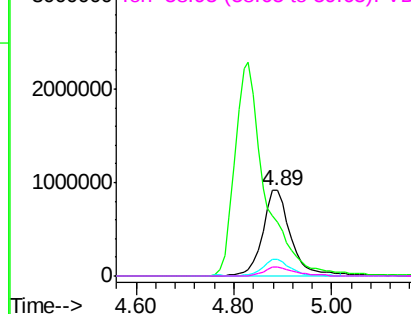
43 63.3 46.1 69.1

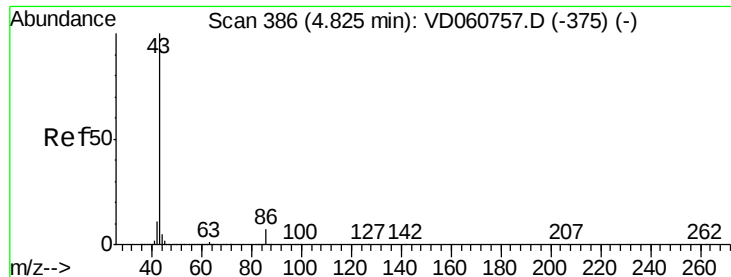
87 19.2 13.7 20.5

59 10.9 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: 382.370 ug/l

RT: 4.83 min Scan# 386

Delta R.T. 0.03 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

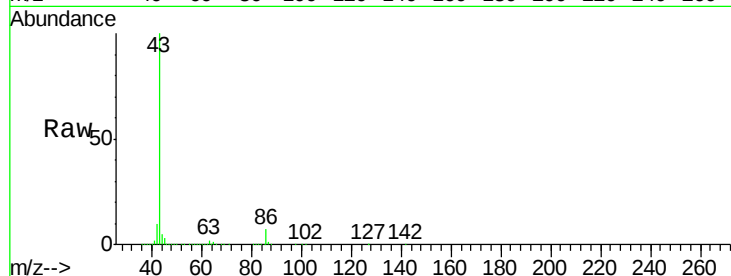
VSTDIC075

Tot Ion: 43 Resp: 9647910

Ion Ratio Lower Upper

43 100

86 7.2 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

2500000

2000000

1500000

1000000

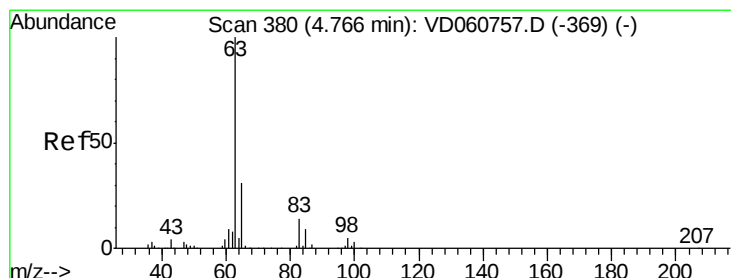
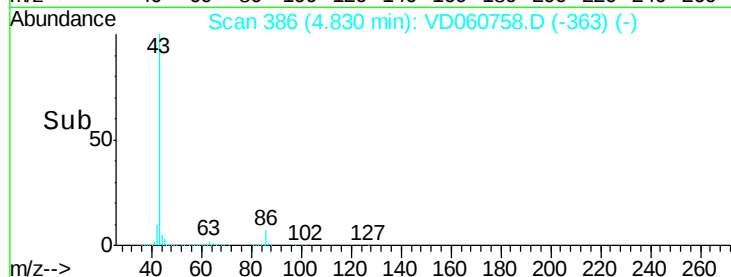
500000

0

4.83

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 76.659 ug/l

RT: 4.76 min Scan# 379

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

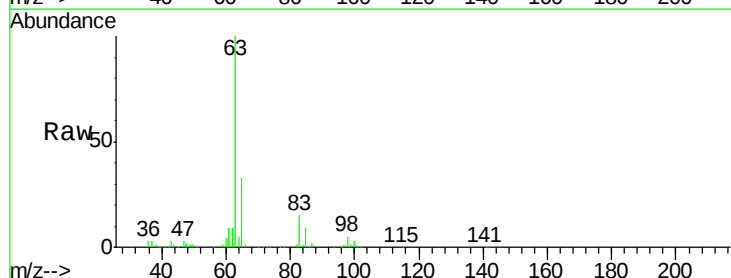
Tgt Ion: 63 Resp: 2102916

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.7

100 2.8 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

600000

400000

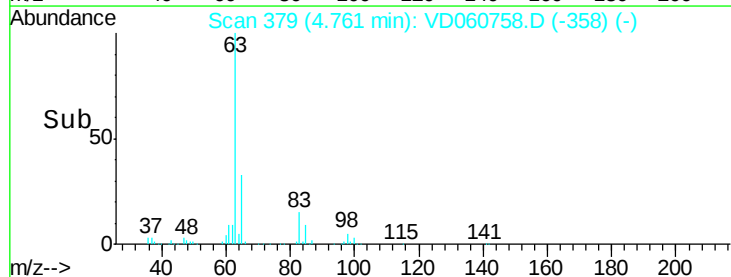
200000

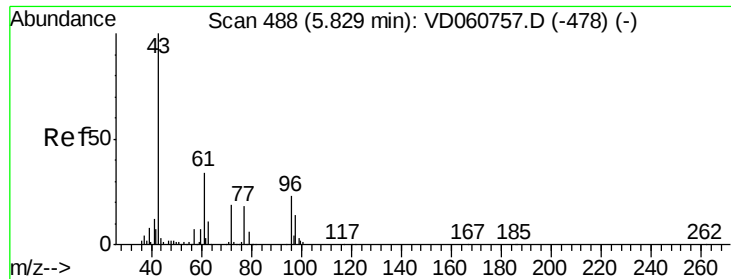
0

4.76

4.60 4.70 4.80 4.90 5.00

Time-->

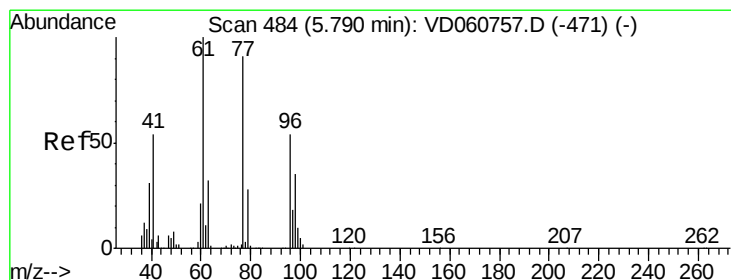
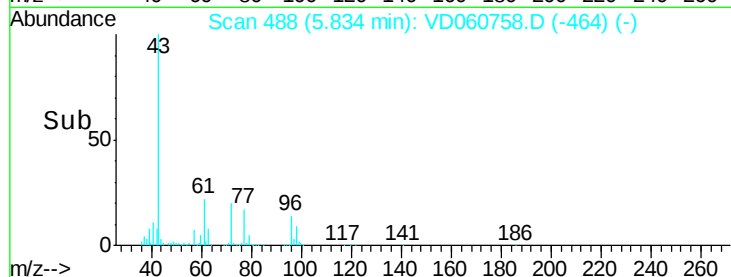
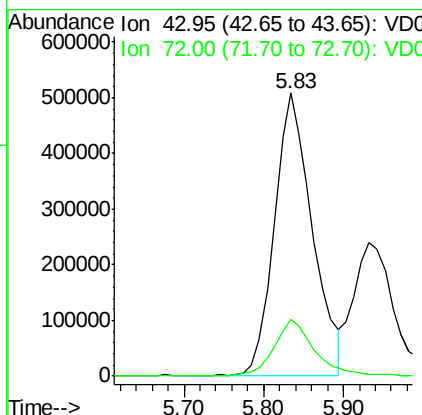
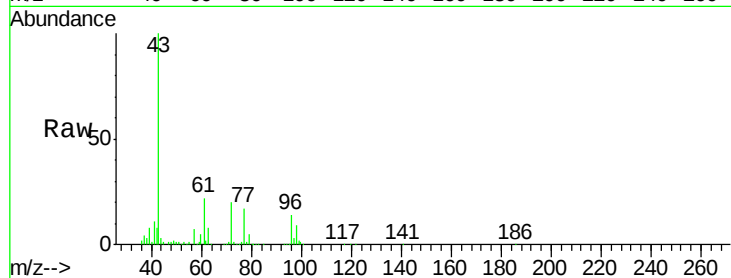




#25
2-Butanone
Concen: 481.276 ug/l
RT: 5.83 min Scan# 488
Delta R.T. 0.04 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

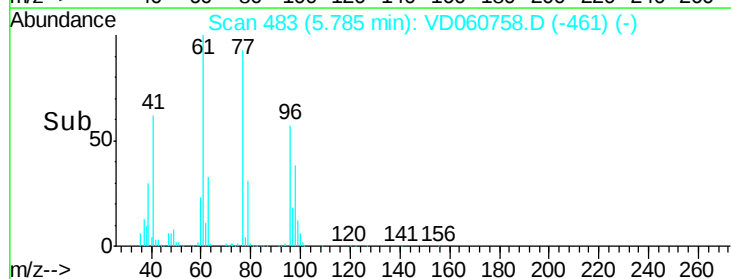
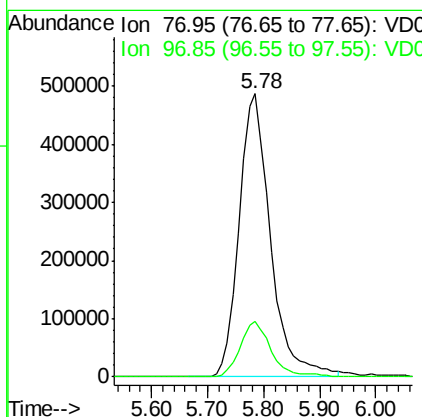
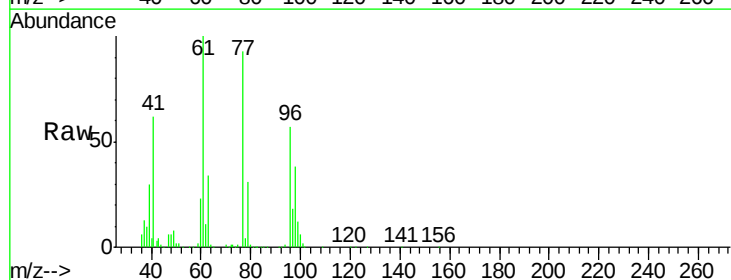
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

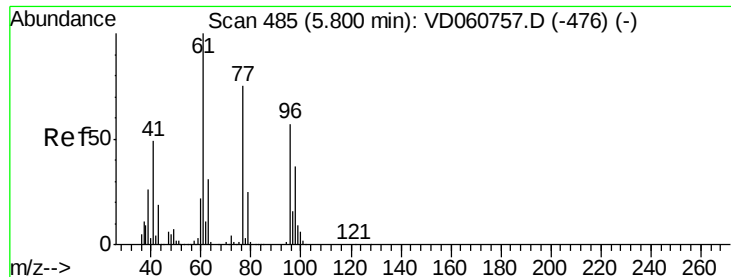
Tot Ion: 43 Resp: 1681055
Ion Ratio Lower Upper
43 100
72 20.0 13.7 20.5



#26
2,2-Dichloropropane
Concen: 87.028 ug/l
RT: 5.78 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 77 Resp: 1884480
Ion Ratio Lower Upper
77 100
97 19.8 13.0 39.0



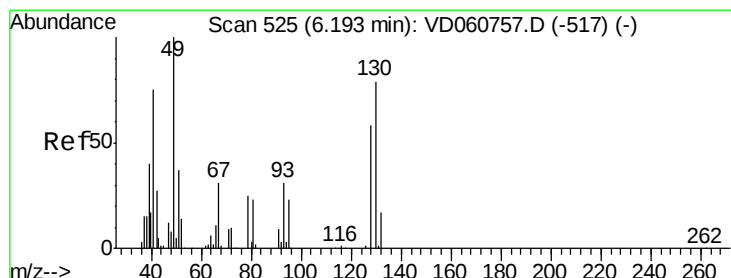
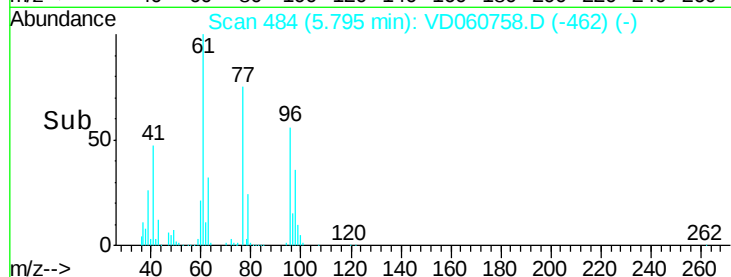
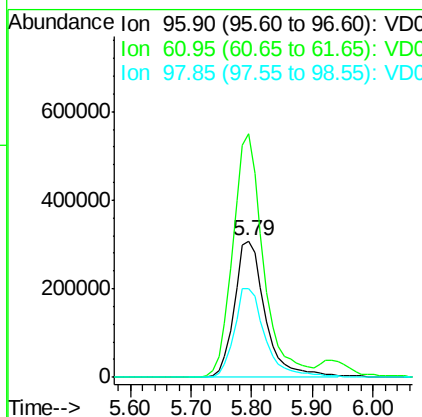
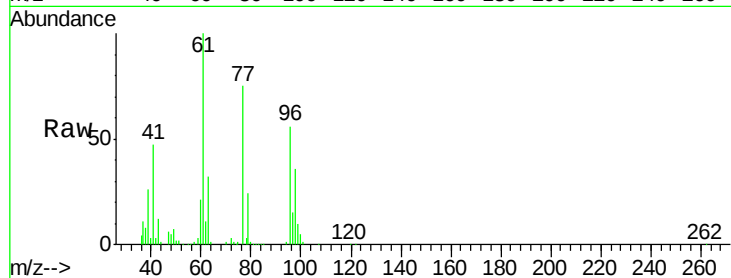


#27

cis-1,2-Dichloroethene
Concen: 62.303 ug/l
RT: 5.79 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

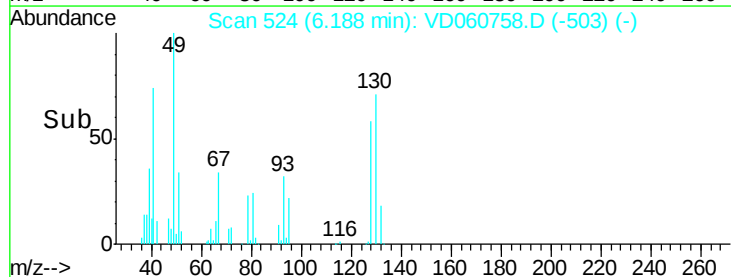
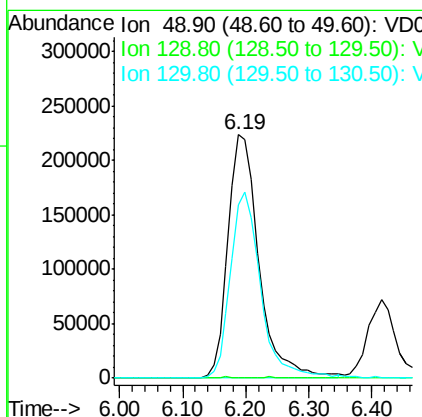
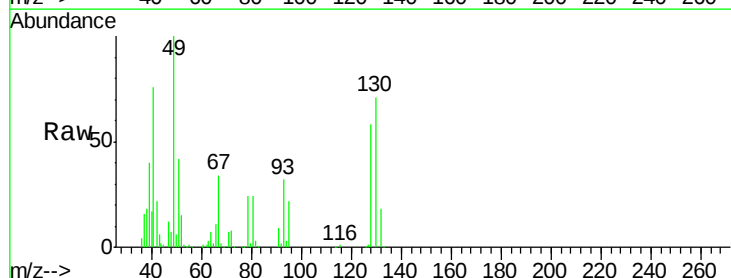
Tot Ion: 96 Resp: 1084266
Ion Ratio Lower Upper
96 100
61 178.5 0.0 259.4
98 65.0 0.0 130.0

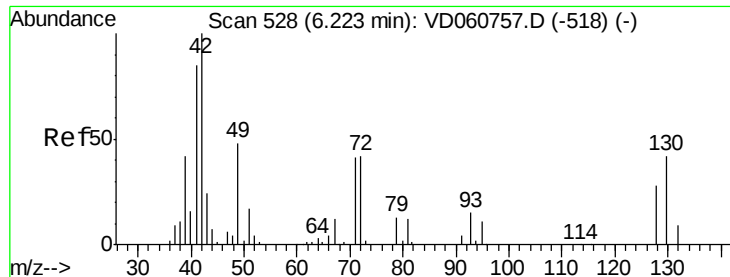


#28

Bromochloromethane
Concen: 65.816 ug/l
RT: 6.19 min Scan# 524
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 49 Resp: 762739
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 71.3 56.2 84.2

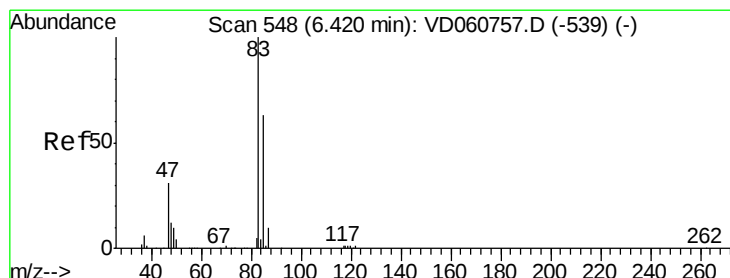
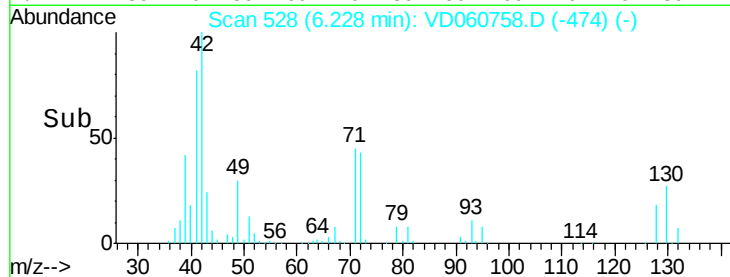
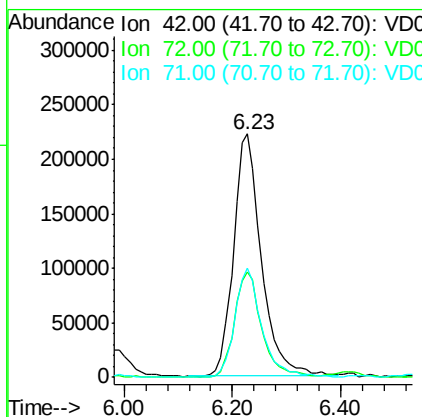
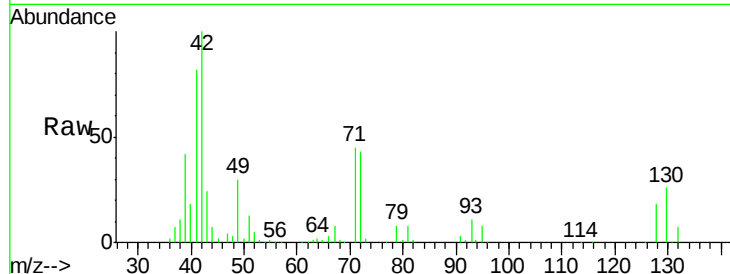




#29
Tetrahydrofuran
Concen: 403.448 ug/l
RT: 6.23 min Scan# 528
Delta R.T. 0.04 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

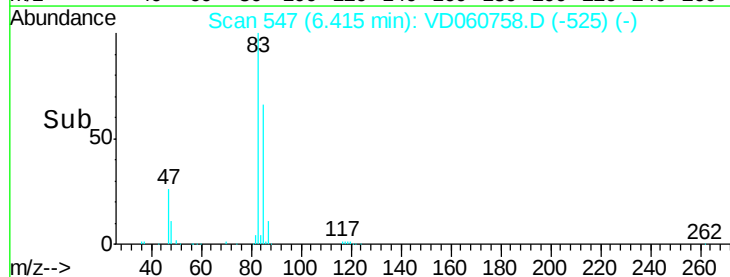
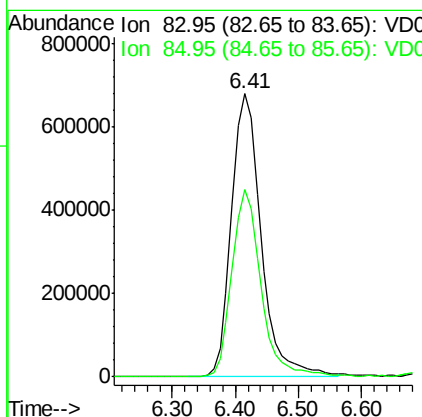
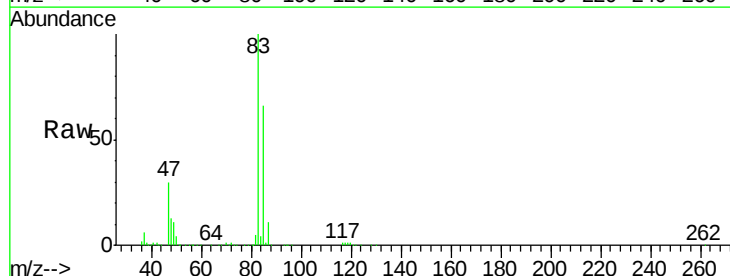
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

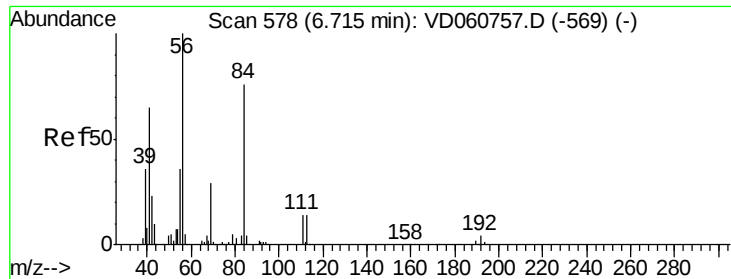
Tot Ion: 42 Resp: 798879
Ion Ratio Lower Upper
42 100
72 42.8 28.0 42.0#
71 43.8 27.0 40.6#



#30
Chloroform
Concen: 80.511 ug/l
RT: 6.41 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 83 Resp: 2222364
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.6

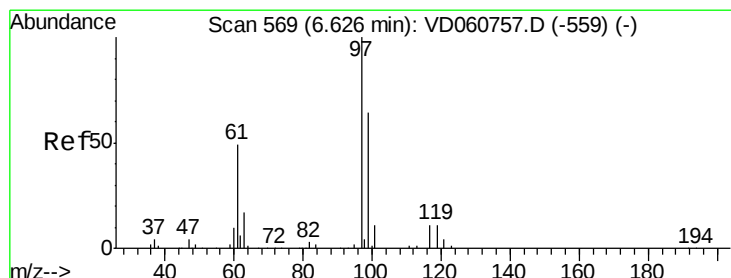
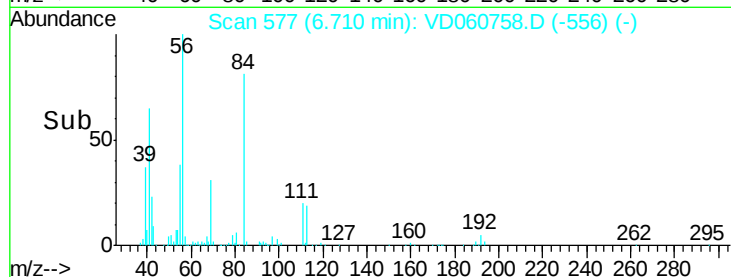
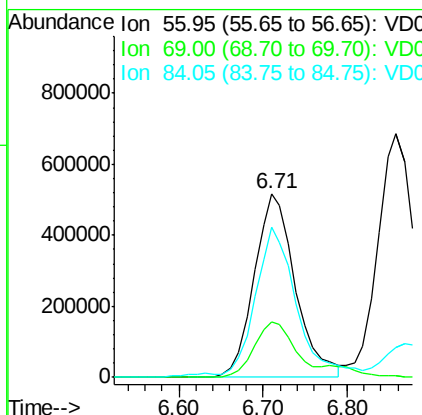
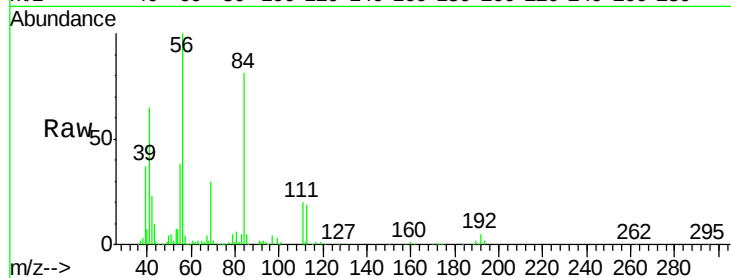




#31
Cyclohexane
Concen: 66.759 ug/l
RT: 6.71 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

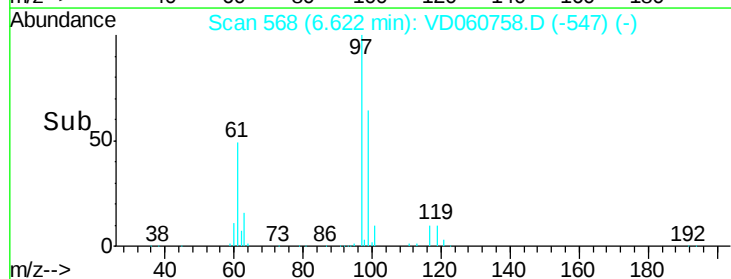
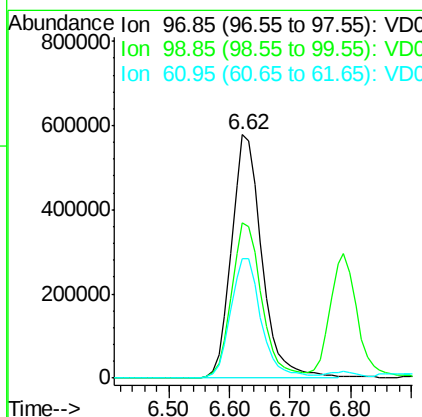
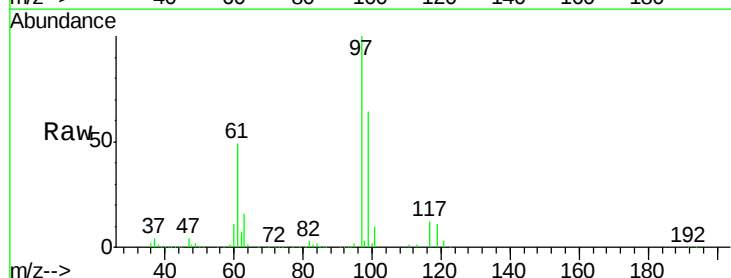
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

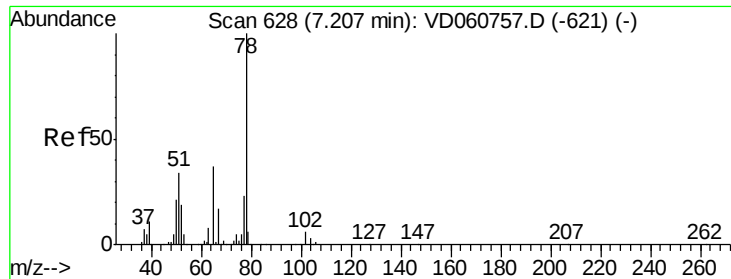
Tot Ion: 56 Resp: 1762378
Ion Ratio Lower Upper
56 100
69 30.5 23.6 35.4
84 81.3 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 88.307 ug/l
RT: 6.62 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 97 Resp: 2016658
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 49.3 34.6 51.8

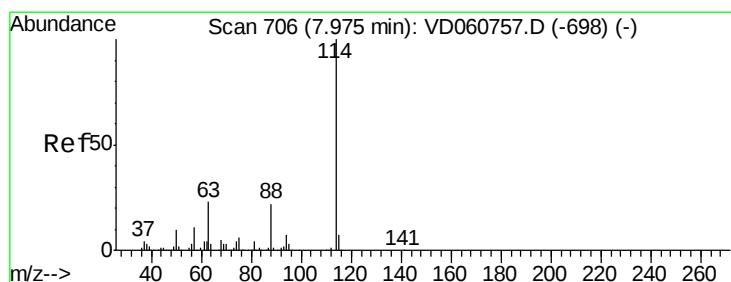
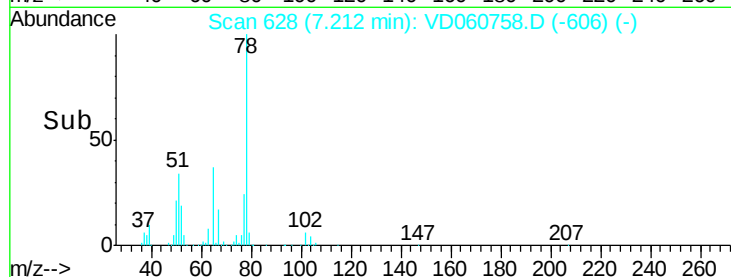
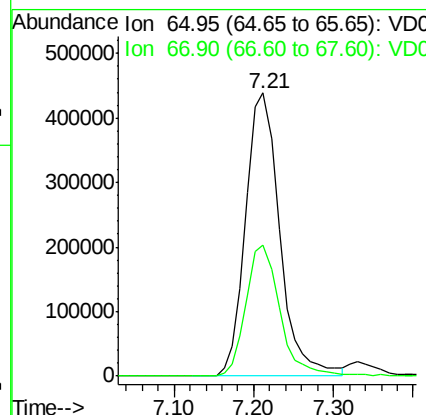
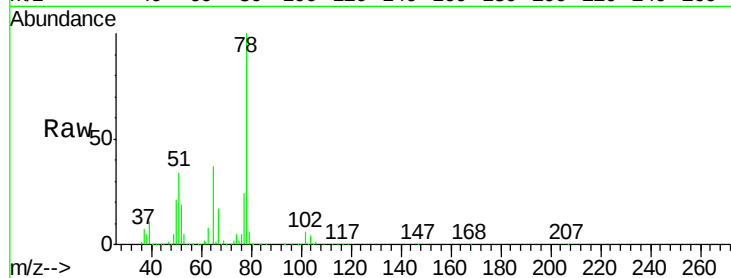




#33
 1,2-Dichloroethane-d4
 Concen: 88.307 ug/l
 RT: 7.21 min Scan# 628
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

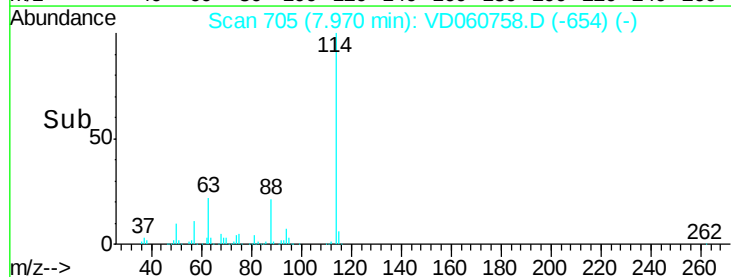
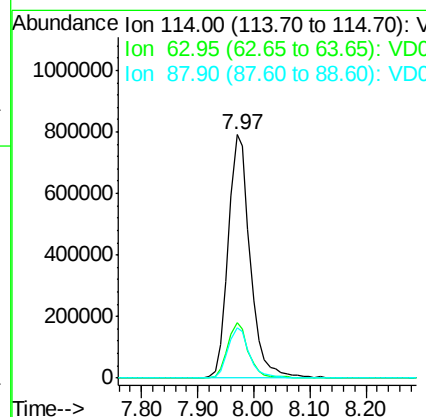
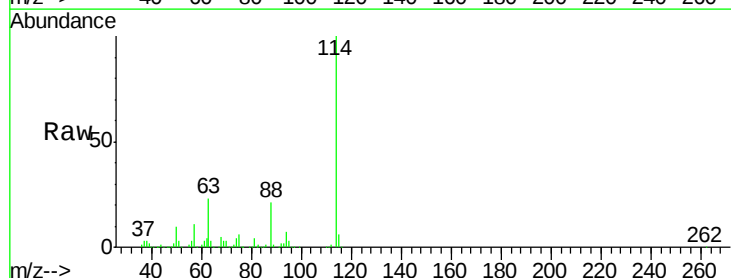
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

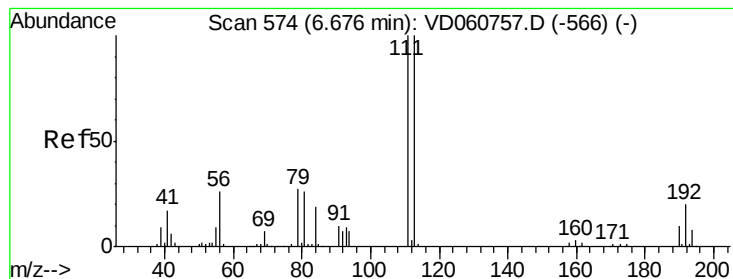
Tot Ion: 65 Resp: 1303380
 Ion Ratio Lower Upper
 65 100
 67 46.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion: 114 Resp: 2157732
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 36.2
 88 20.7 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.67 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

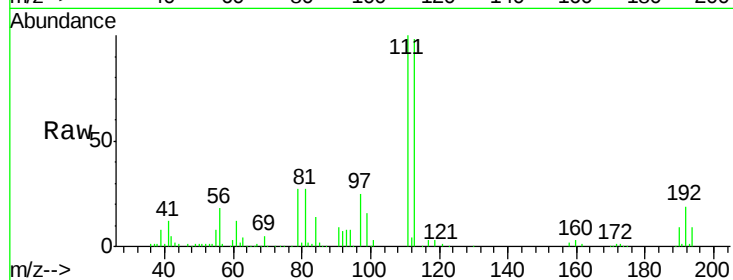
Tot Ion:113 Resp: 1236316

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.0	120.0
192	19.5	16.6	25.0

113 100

111 102.4 80.0 120.0

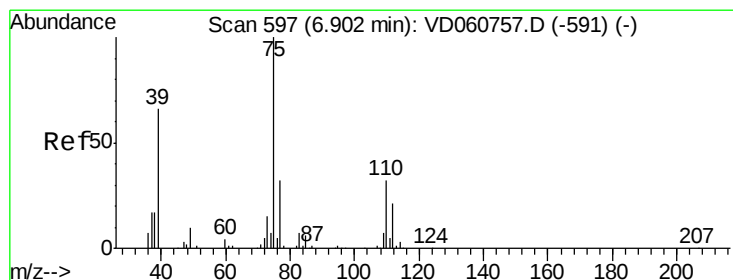
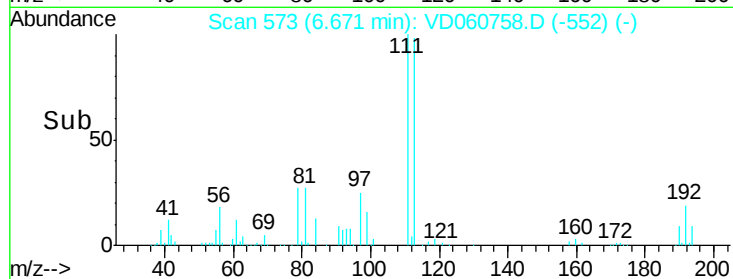
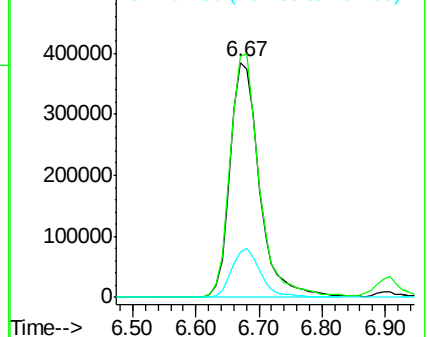
192 19.5 16.6 25.0



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: 71.774 ug/l

RT: 6.91 min Scan# 597

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

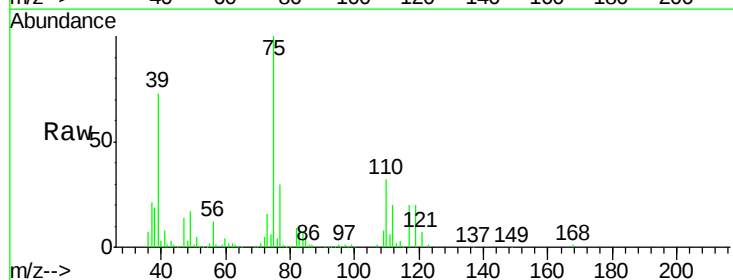
Tgt Ion: 75 Resp: 1594733

Ion	Ratio	Lower	Upper
75	100		
110	32.2	18.9	56.7
77	30.0	25.4	38.0

75 100

110 32.2 18.9 56.7

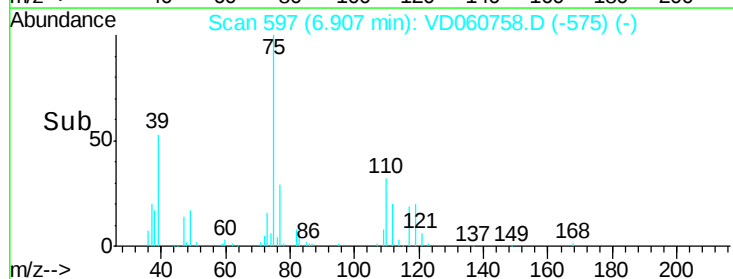
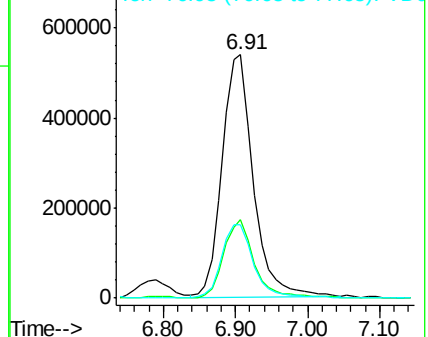
77 30.0 25.4 38.0

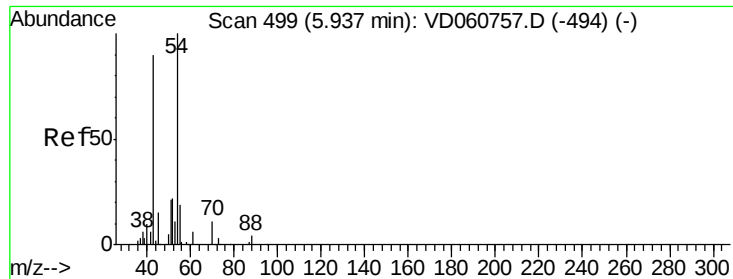


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

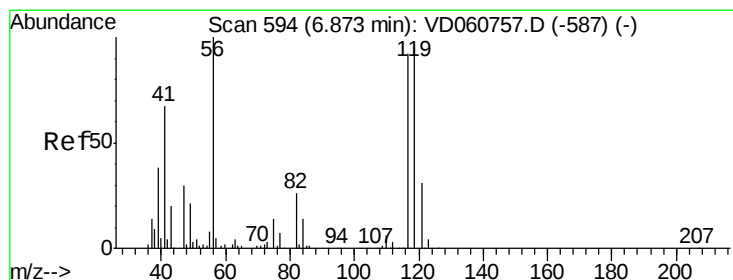
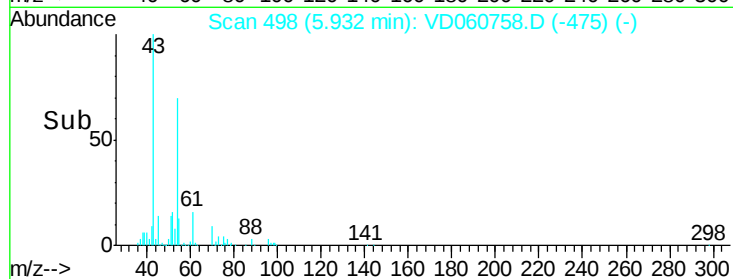
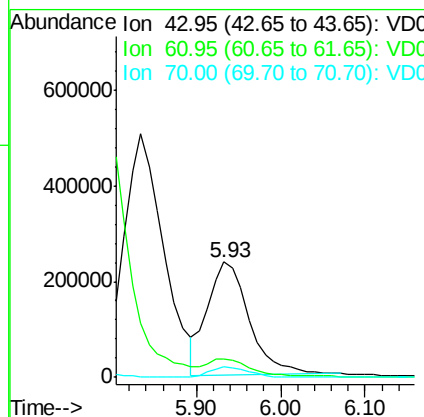
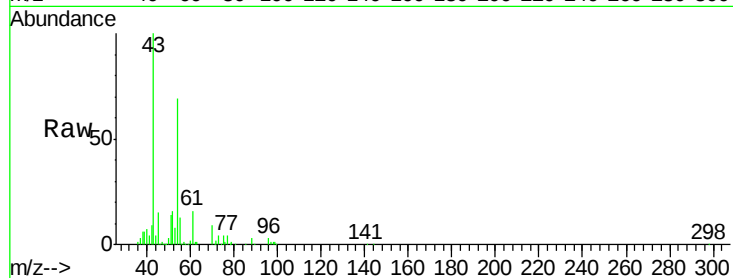




#37
Ethyl Acetate
Concen: 87.420 ug/l
RT: 5.93 min Scan# 498
Delta R.T. 0.03 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

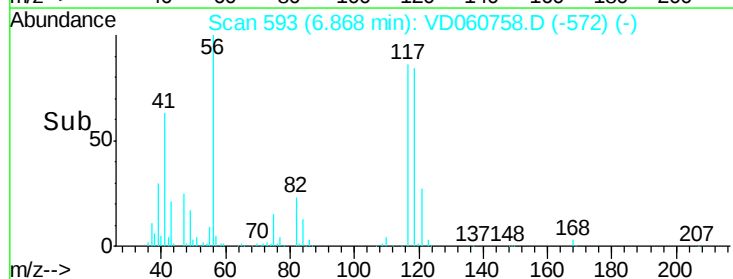
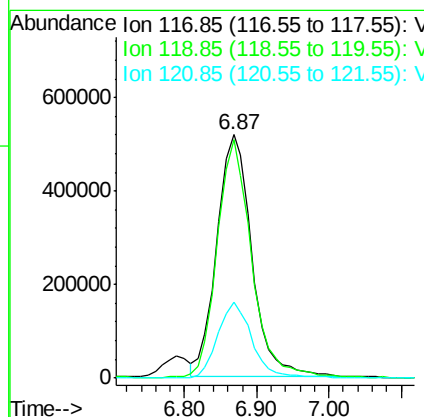
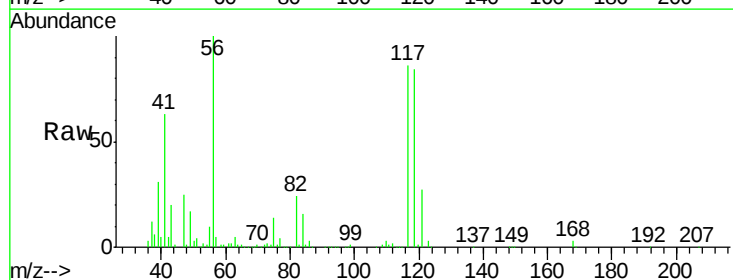
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

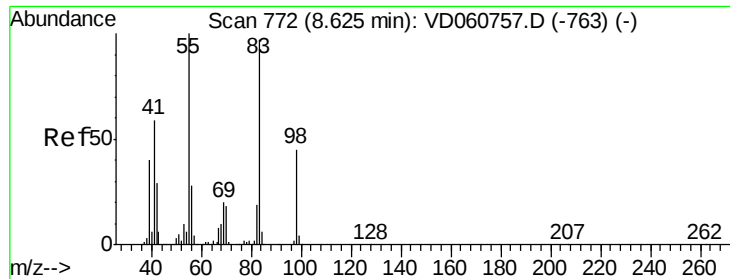
Tot Ion: 43 Resp: 812344
Ion Ratio Lower Upper
43 100
61 16.1 11.8 17.6
70 8.7 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 88.293 ug/l
RT: 6.87 min Scan# 593
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 117 Resp: 1730708
Ion Ratio Lower Upper
117 100
119 98.1 77.0 115.4
121 31.2 24.7 37.1

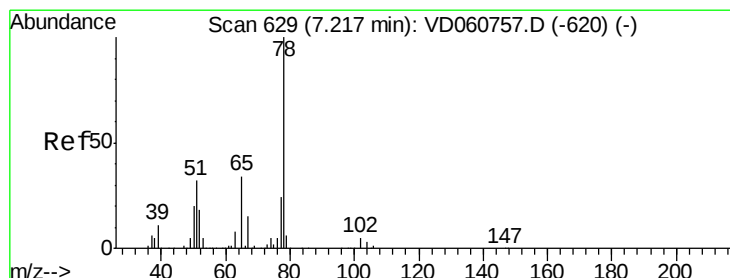
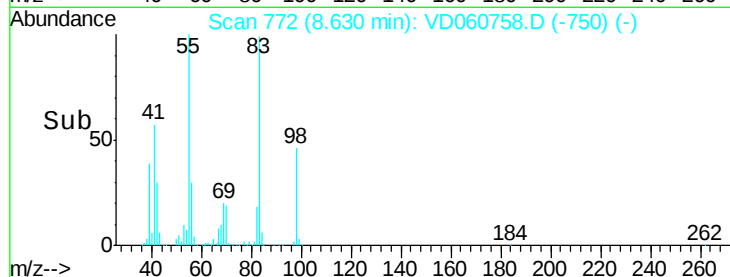
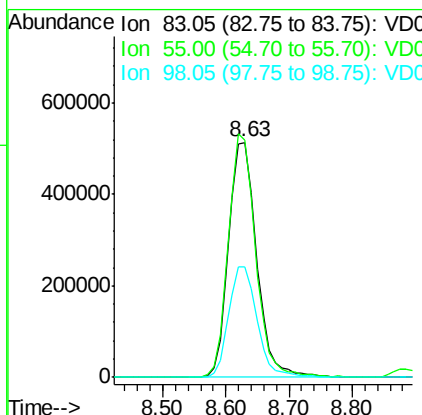
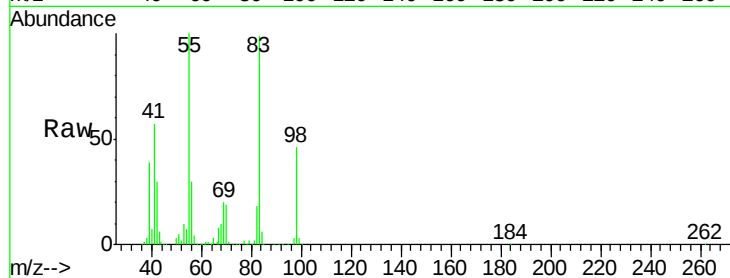




#39
Methvlcvclohexane
Concen: 62.464 ug/l
RT: 8.63 min Scan# 772
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

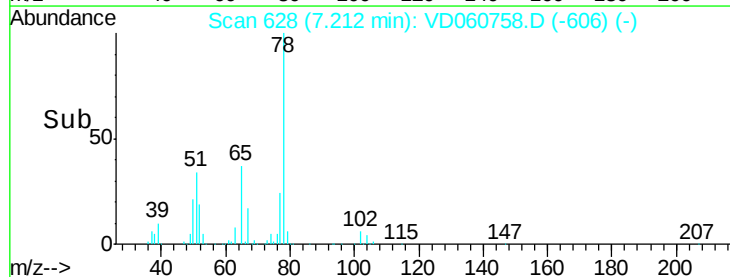
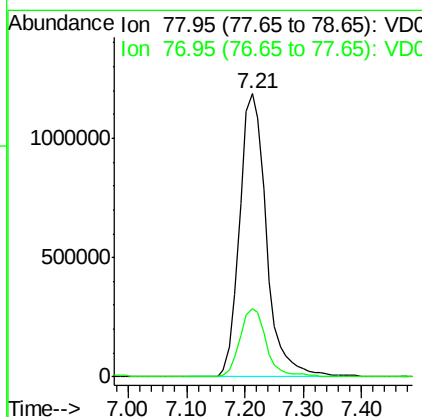
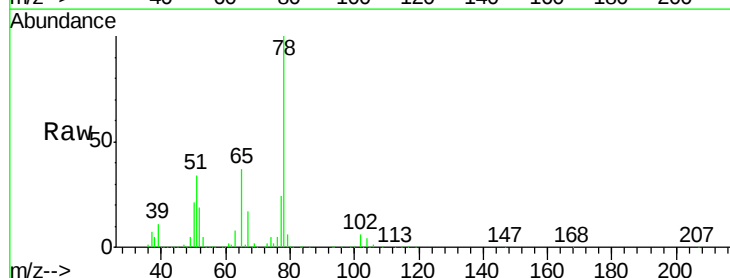
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

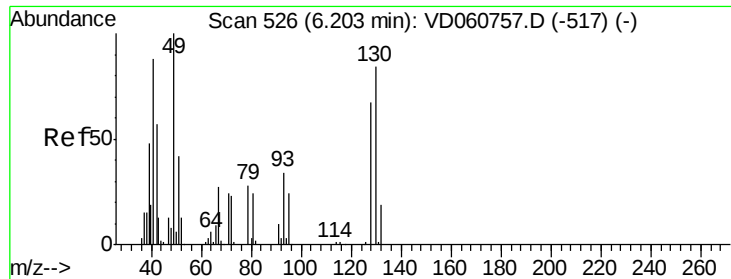
Tot Ion: 83 Resp: 1582864
Ion Ratio Lower Upper
83 100
55 101.2 68.6 102.8
98 46.8 38.1 57.1



#40
Benzene
Concen: 66.355 ug/l
RT: 7.21 min Scan# 628
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 78 Resp: 3808255
Ion Ratio Lower Upper
78 100
77 24.3 19.2 28.8

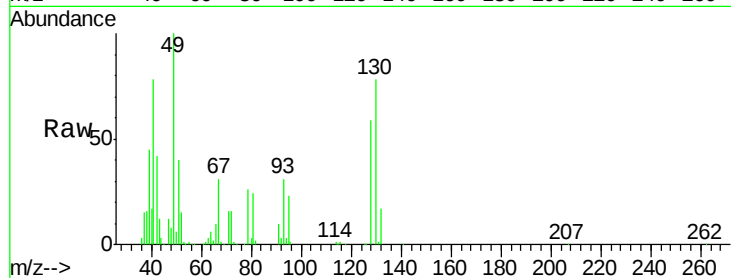




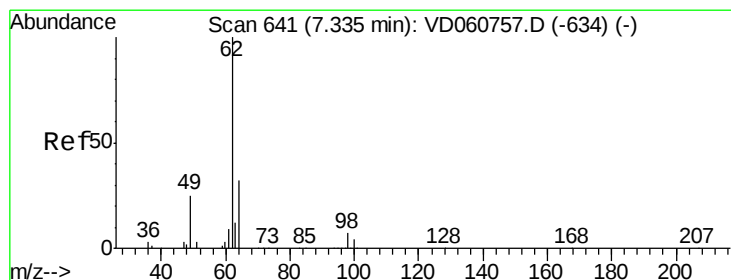
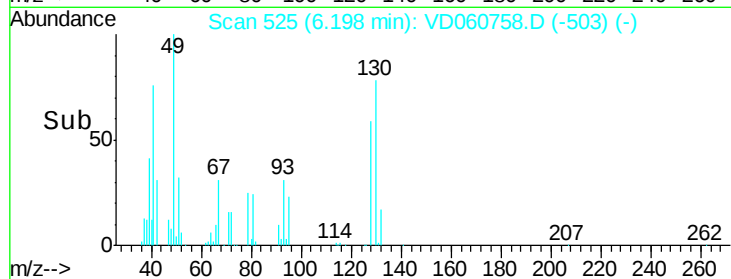
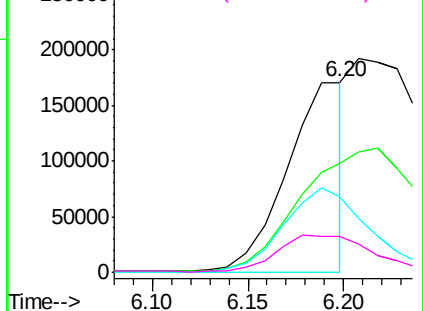
#41
Methacrylonitrile
Concen: 71.442 ug/l m
RT: 6.20 min Scan# 525
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 41 Resp: 367213
Ion Ratio Lower Upper
41 100
39 57.2 37.6 56.4#
67 39.8 33.0 49.6
52 19.1 15.5 23.3

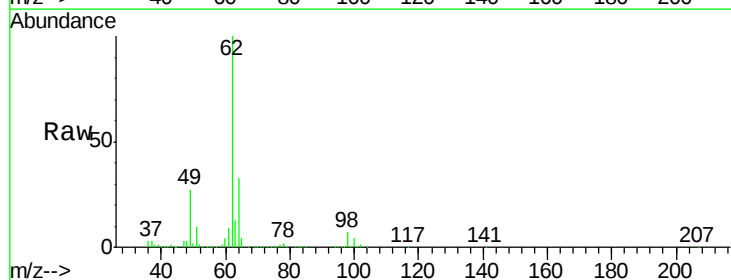


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

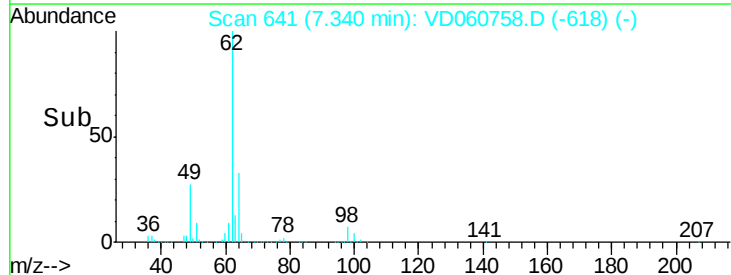
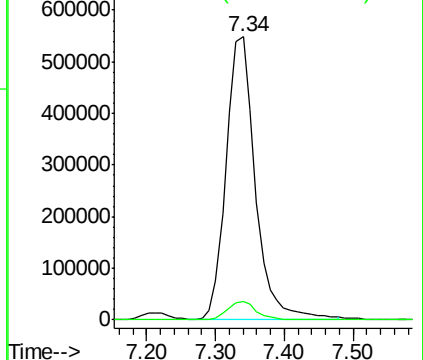


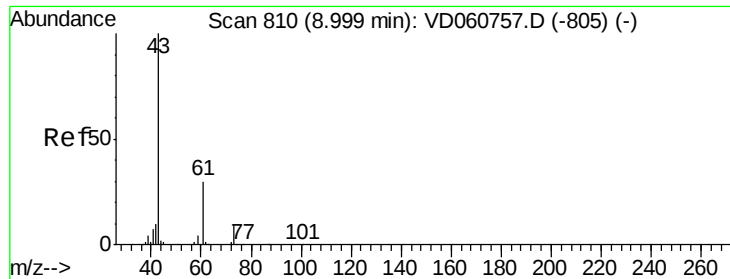
#42
1,2-Dichloroethane
Concen: 112.576 ug/l
RT: 7.34 min Scan# 641
Delta R.T. 0.03 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 62 Resp: 1603351
Ion Ratio Lower Upper
62 100
98 6.7 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



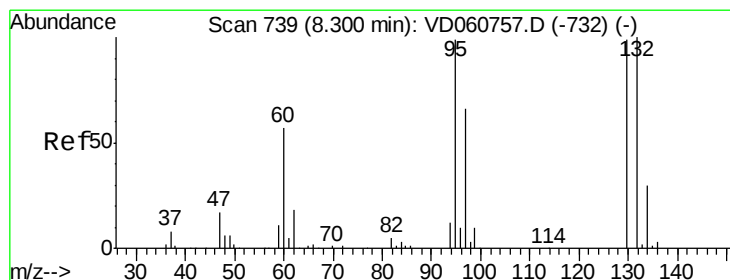
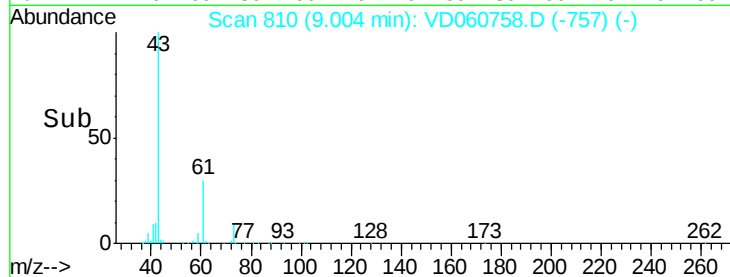
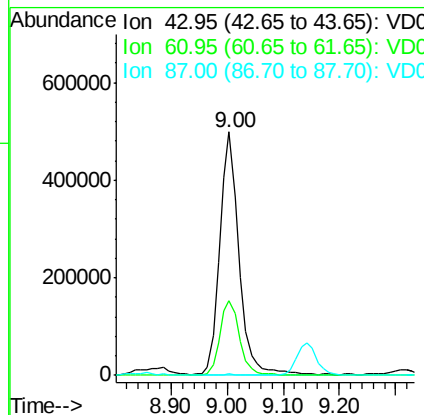
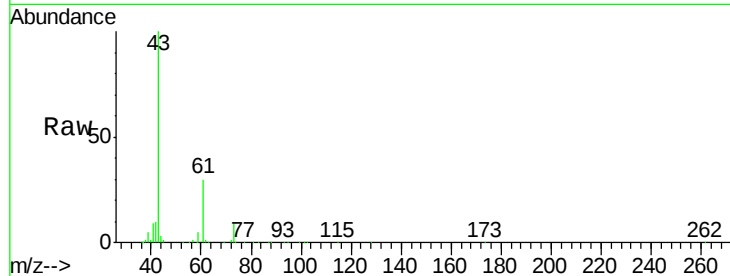


#43

Isopropyl Acetate
 Concen: 100.413 ug/l
 RT: 9.00 min Scan# 810
 Delta R.T. 0.03 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

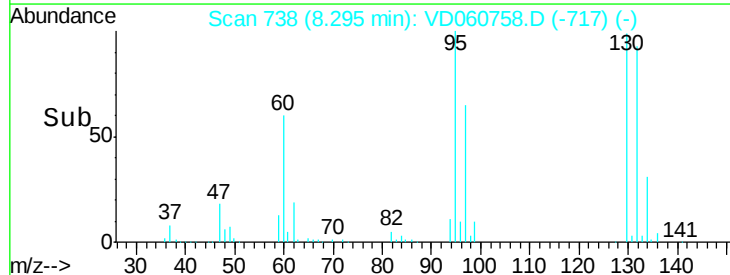
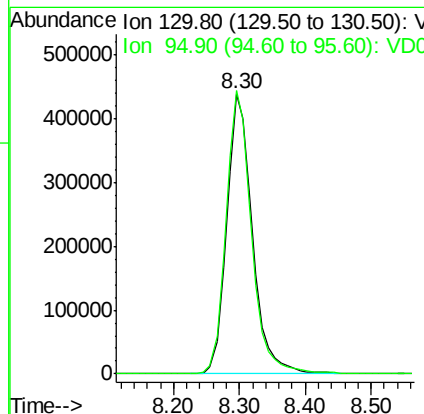
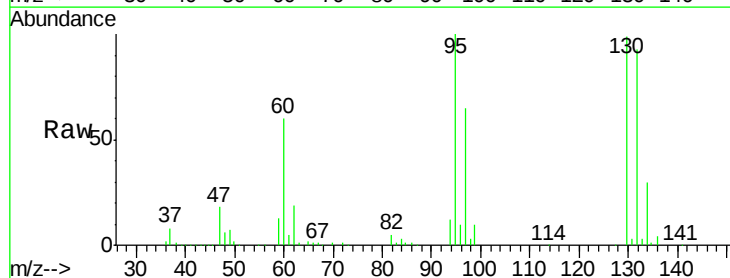
Tot Ion: 43 Resp: 1197405
 Ion Ratio Lower Upper
 43 100
 61 30.5 21.8 32.8
 87 0.4 0.2 0.4#

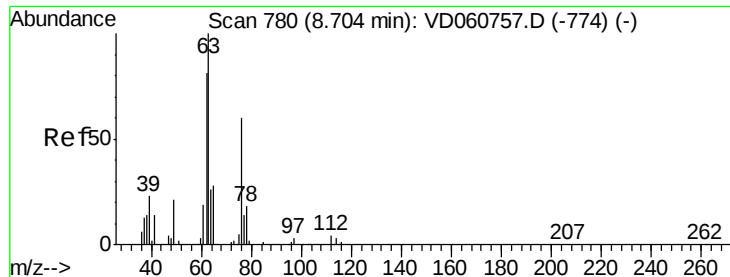


#44

Trichloroethene
 Concen: 70.279 ug/l
 RT: 8.30 min Scan# 738
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion:130 Resp: 1193821
 Ion Ratio Lower Upper
 130 100
 95 101.2 0.0 193.6





#45

1,2-Dichloropropane

Concen: 69.545 ug/l

RT: 8.70 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

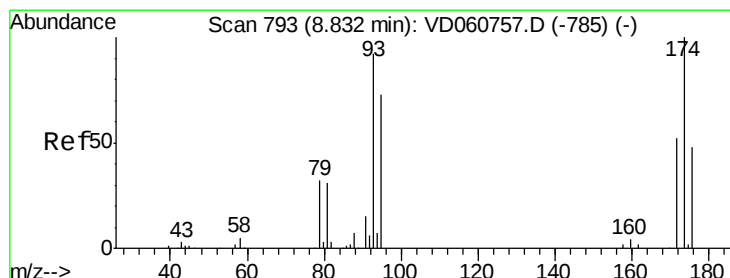
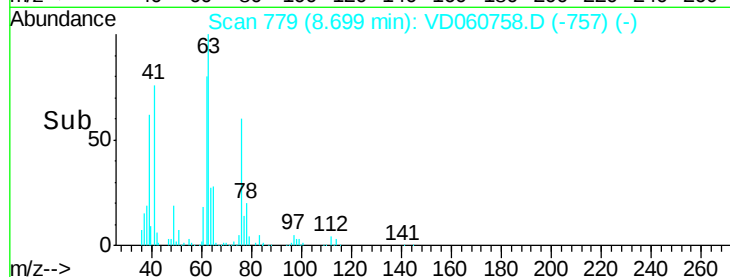
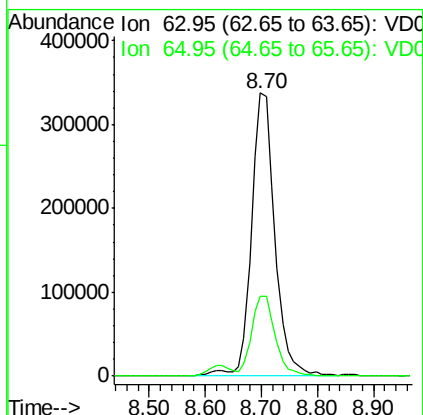
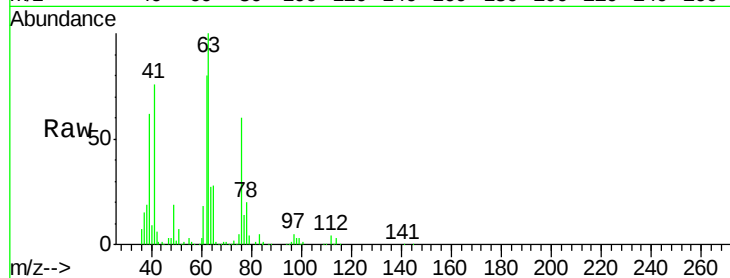
VSTDIC075

Tot Ion: 63 Resp: 978842

Ion Ratio Lower Upper

63 100

65 28.2 25.0 37.6



#46

Dibromomethane

Concen: 84.109 ug/l

RT: 8.83 min Scan# 792

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

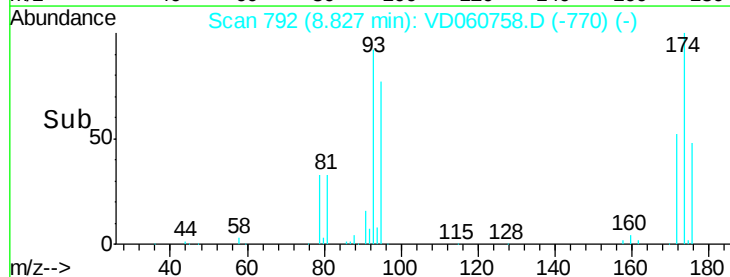
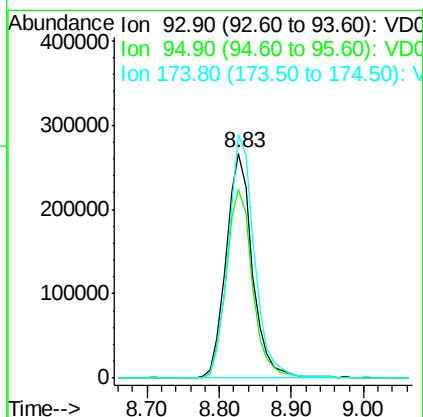
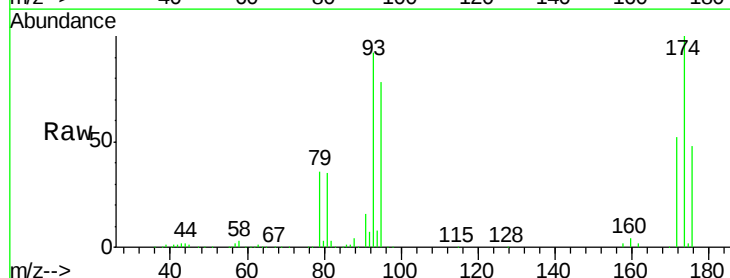
Tgt Ion: 93 Resp: 675651

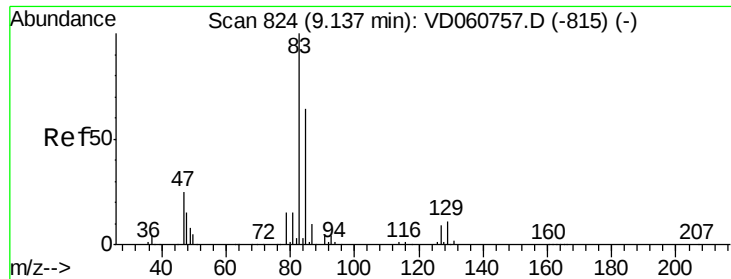
Ion Ratio Lower Upper

93 100

95 84.0 68.8 103.2

174 108.3 93.0 139.4





#47

Bromodichloromethane

Concen: 90.913 ug/l

RT: 9.14 min Scan# 824

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

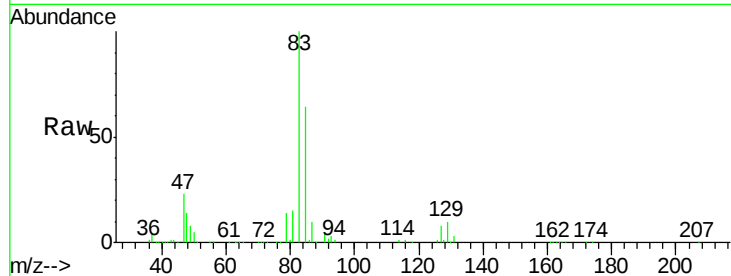
Tot Ion: 83 Resp: 1729723

Ion Ratio Lower Upper

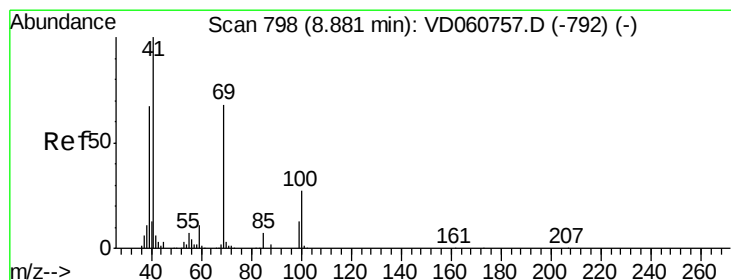
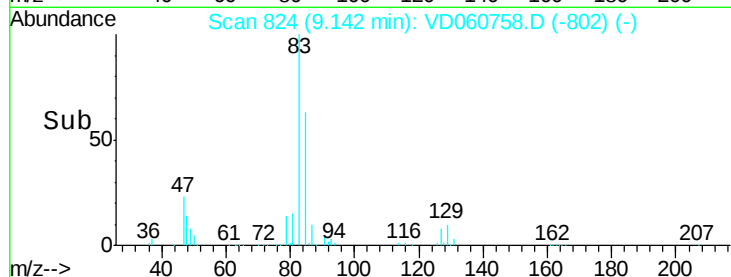
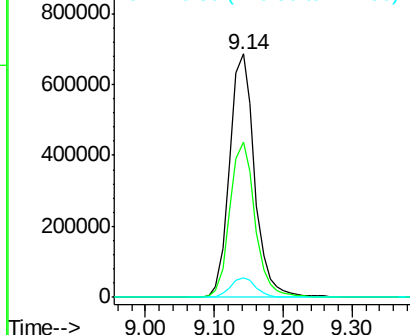
83 100

85 63.6 51.1 76.7

127 8.3 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): V



#48

Methyl methacrylate

Concen: 99.349 ug/l

RT: 8.89 min Scan# 798

Delta R.T. 0.03 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

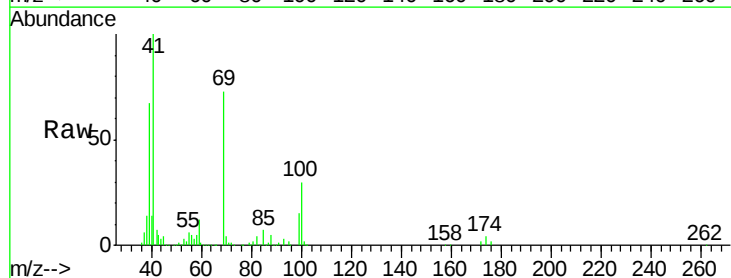
Tgt Ion: 41 Resp: 719557

Ion Ratio Lower Upper

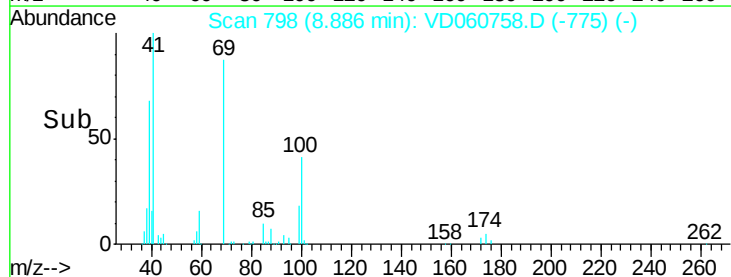
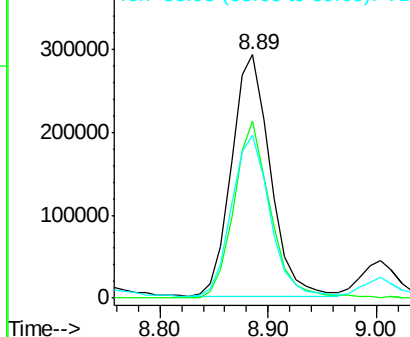
41 100

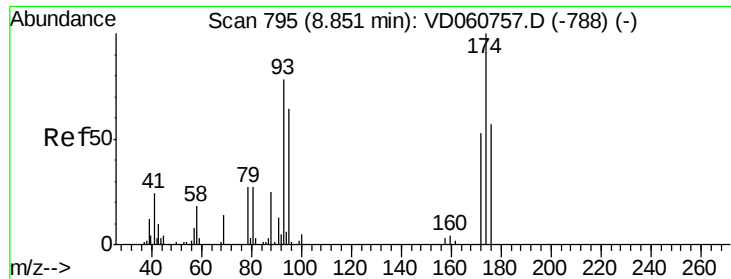
69 72.9 51.2 76.8

39 66.9 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: 1936.977 ug/l

RT: 8.85 min Scan# 794

Delta R.T. 0.03 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

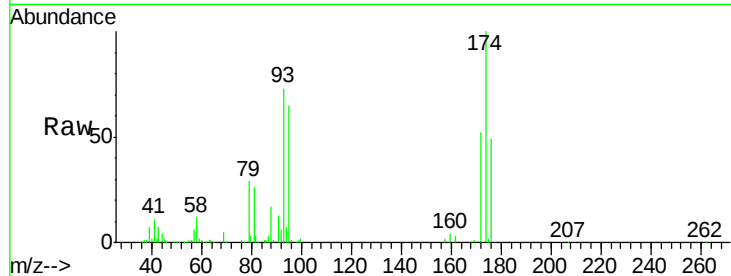
Tot Ion: 88 Resp: 130440

Ion Ratio Lower Upper

88 100

43 43.6 31.5 47.3

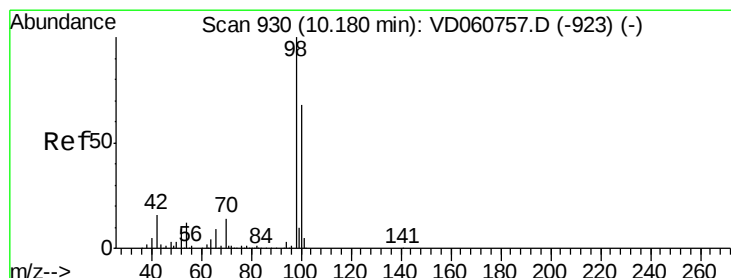
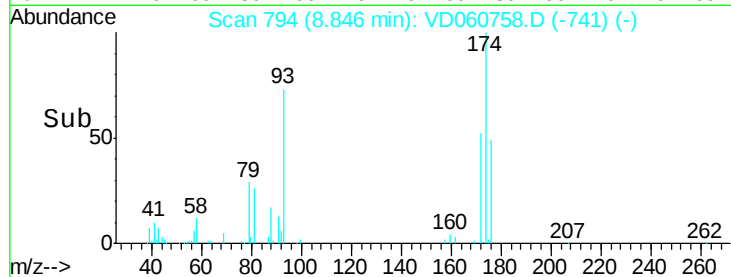
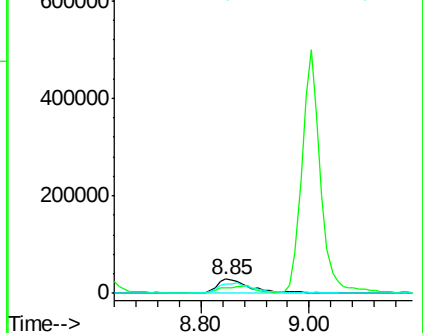
58 69.5 50.6 76.0



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: 1936.977 ug/l

RT: 10.19 min Scan# 930

Delta R.T. 0.02 min

Lab File: VD060758.D

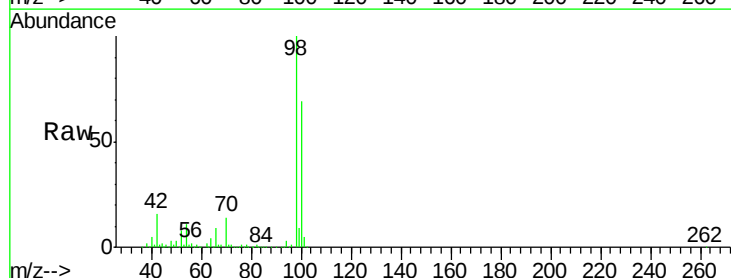
Acq: 18 Jan 2019 12:51

Tgt Ion: 98 Resp: 3203369

Ion Ratio Lower Upper

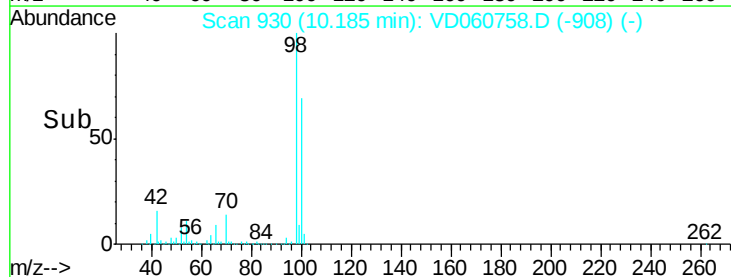
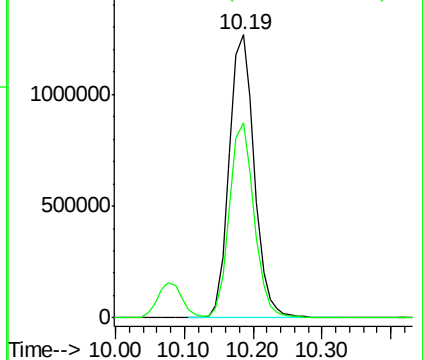
98 100

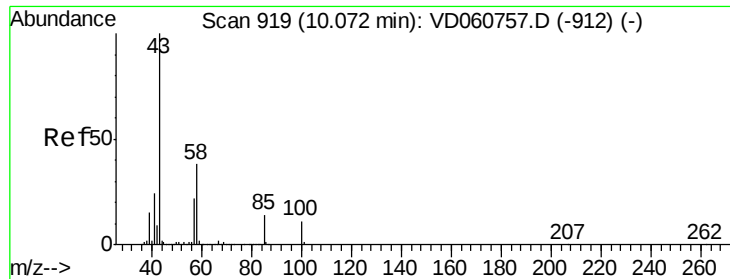
100 68.8 55.8 83.8



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: 473.116 ug/l

RT: 10.08 min Scan# 919

Delta R.T. 0.03 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

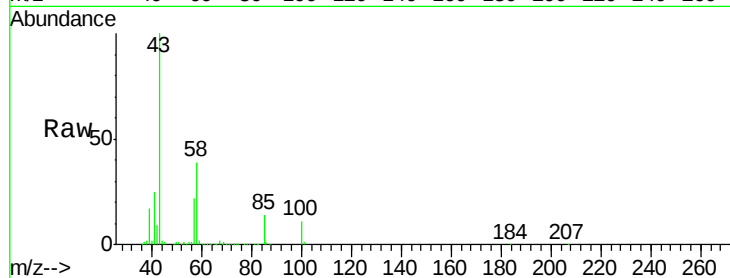
VSTDIC075

Tot Ion: 43 Resp: 3456584

Ion Ratio Lower Upper

43 100

58 38.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.08

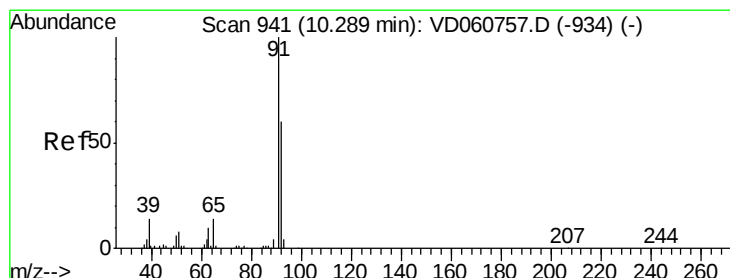
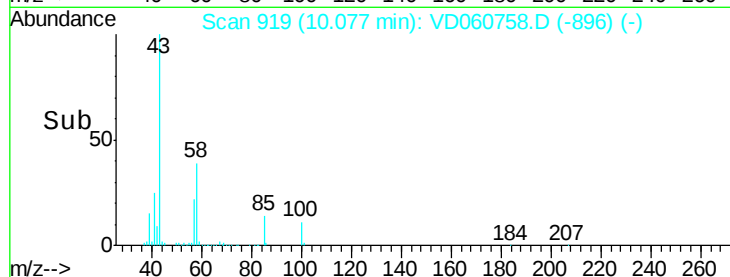
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 64.113 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.02 min

Lab File: VD060758.D

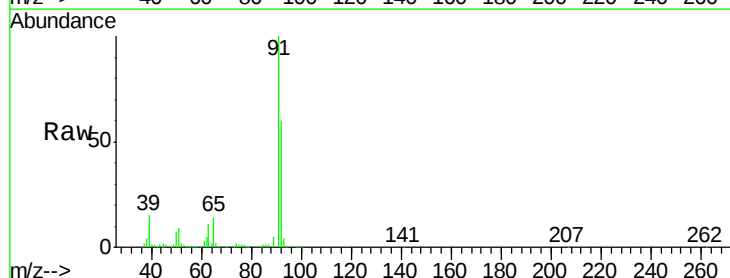
Acq: 18 Jan 2019 12:51

Tgt Ion: 92 Resp: 2306703

Ion Ratio Lower Upper

92 100

91 165.6 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.28

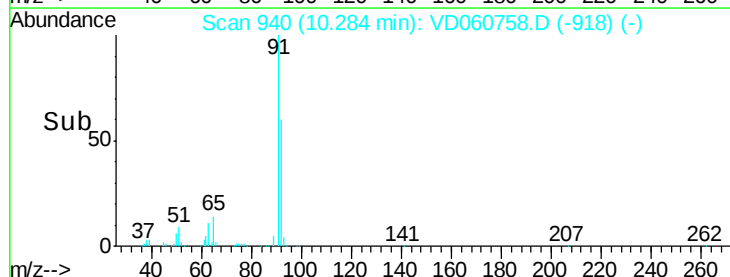
1500000

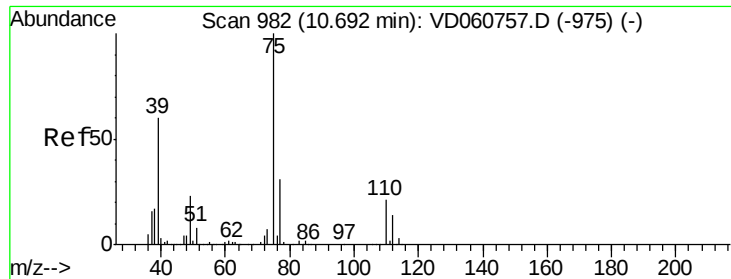
1000000

500000

0

Time-->

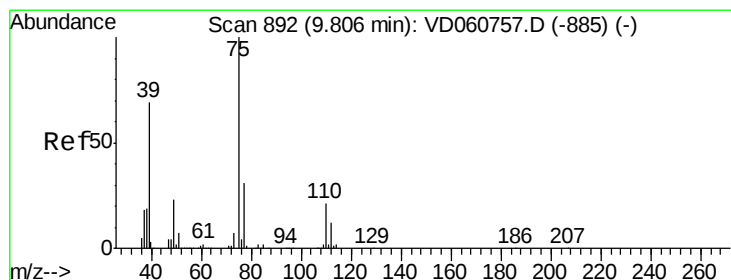
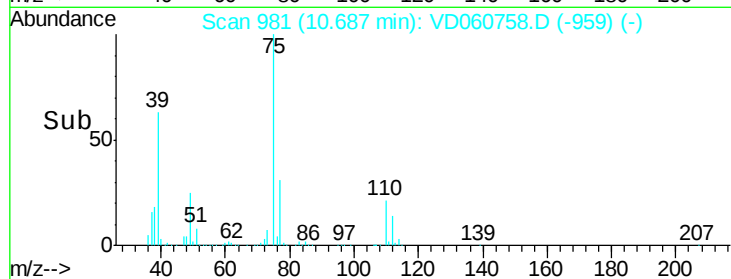
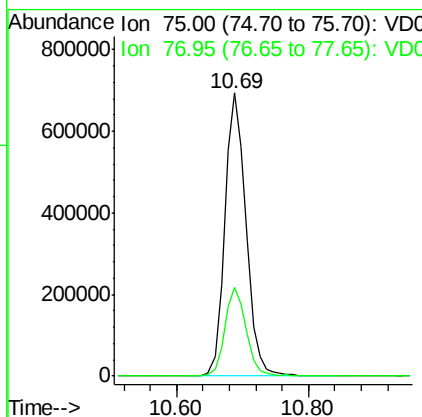
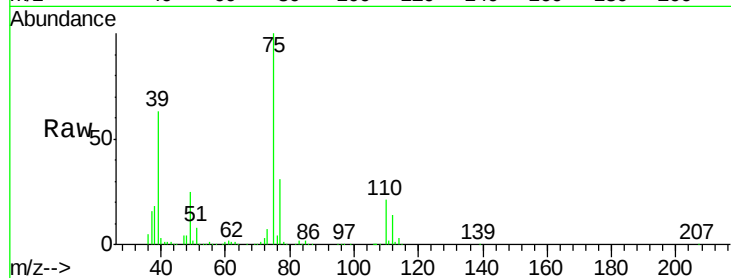




#53
 t-1,3-Dichloropropene
 Concen: 98.451 ug/l
 RT: 10.69 min Scan# 981
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

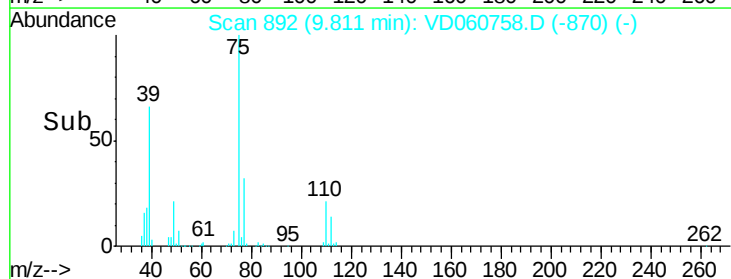
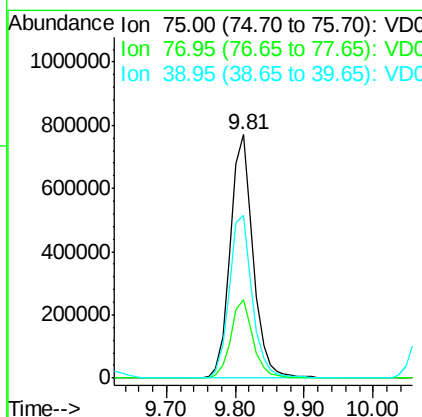
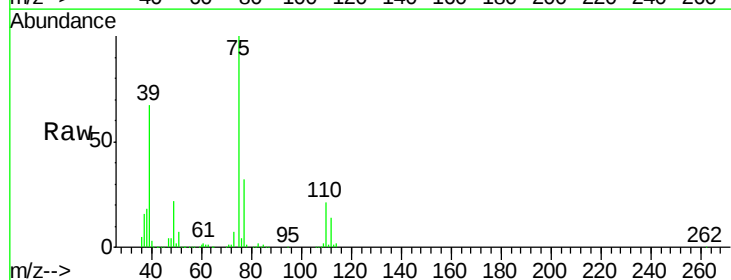
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

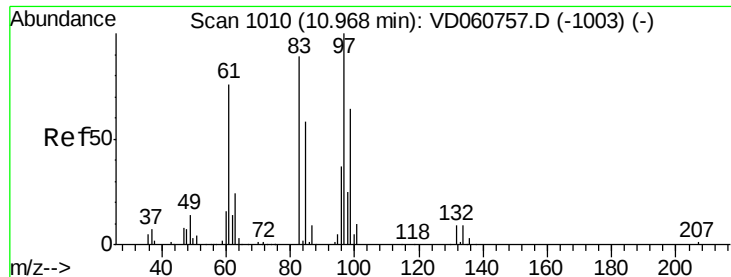
Tot Ion: 75 Resp: 1562735
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 85.029 ug/l
 RT: 9.81 min Scan# 892
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion: 75 Resp: 1766578
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2
 39 66.8 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 78.427 ug/l

RT: 10.96 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 759206

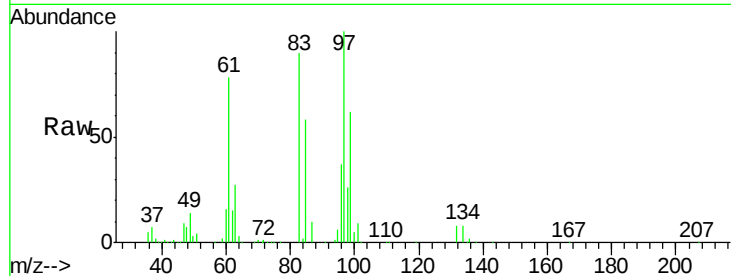
Ion Ratio Lower Upper

97 100

83 89.8 70.0 105.0

85 57.6 46.6 70.0

99 61.7 49.6 74.4

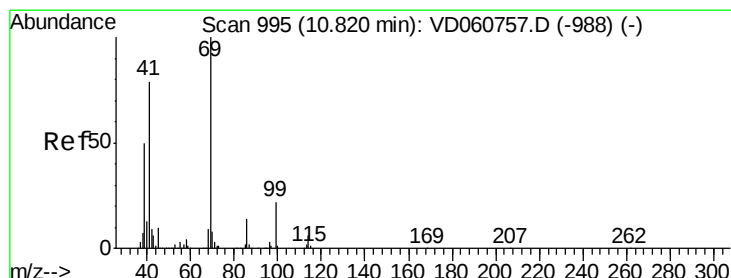
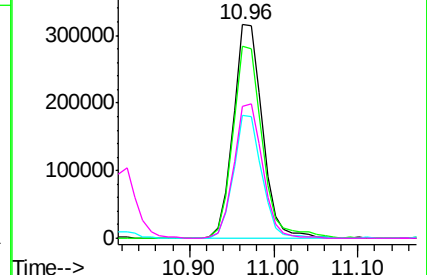
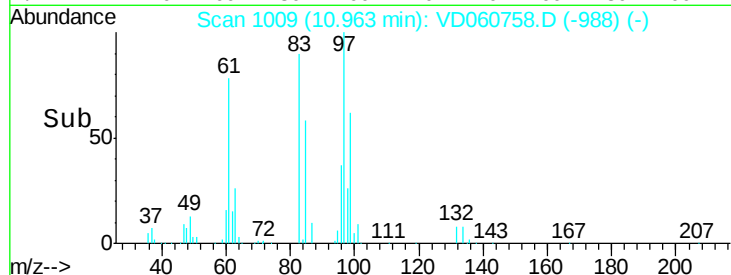


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 111.664 ug/l

RT: 10.82 min Scan# 994

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

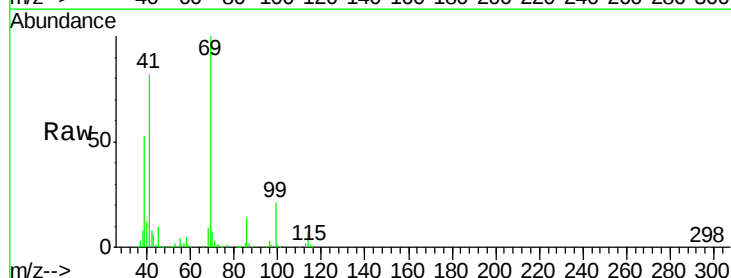
Tgt Ion: 69 Resp: 1004026

Ion Ratio Lower Upper

69 100

41 81.8 68.3 102.5

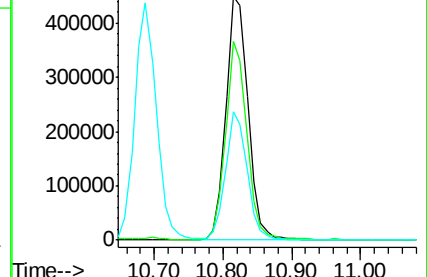
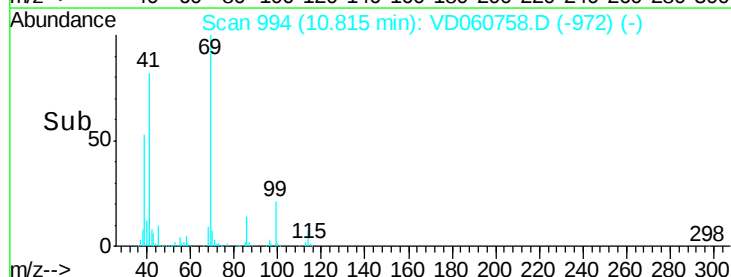
39 52.8 37.2 55.8

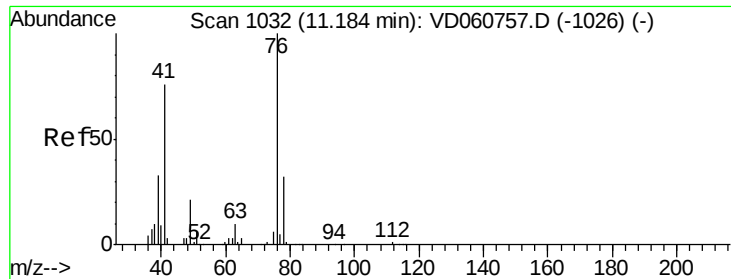


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 81.687 ug/l

RT: 11.19 min Scan# 1032

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

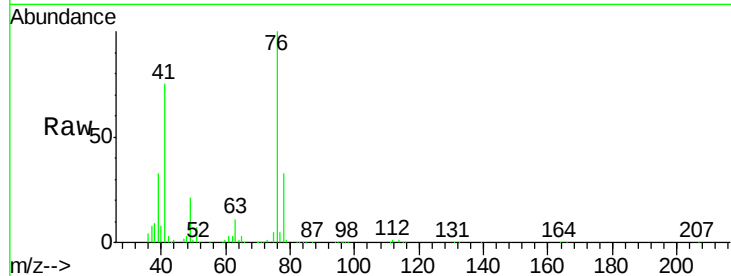
VSTDIC075

Tot Ion: 76 Resp: 1253410

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.19

600000

400000

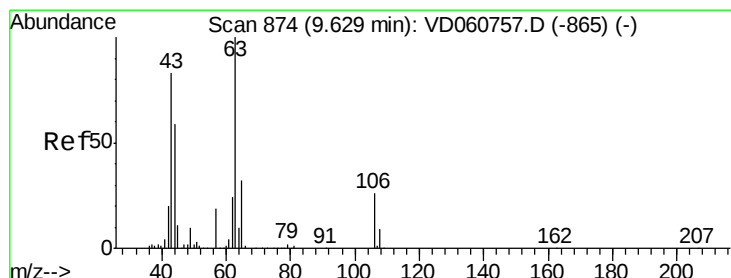
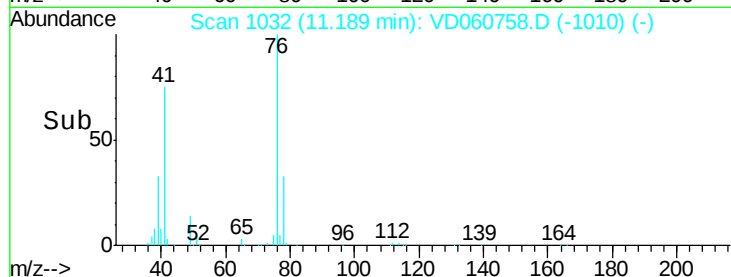
200000

0

11.20

11.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 333.863 ug/l

RT: 9.62 min Scan# 873

Delta R.T. 0.02 min

Lab File: VD060758.D

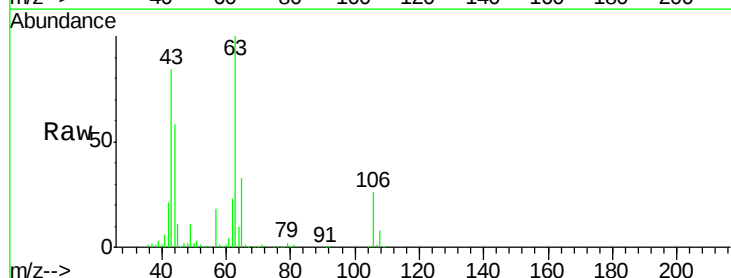
Acq: 18 Jan 2019 12:51

Tgt Ion: 63 Resp: 1768805

Ion Ratio Lower Upper

63 100

106 26.1 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.62

800000

600000

400000

200000

0

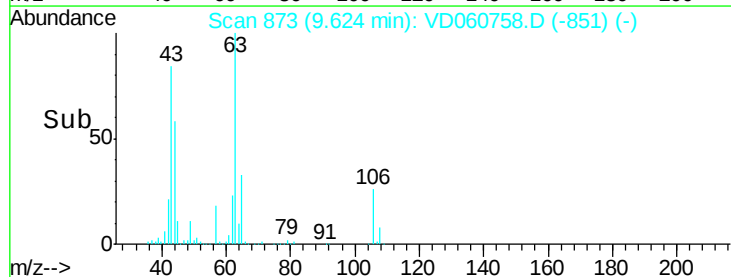
9.50

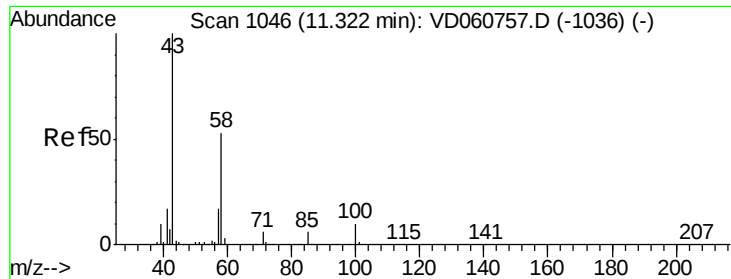
9.60

9.70

9.80

Time-->





#59

2-Hexanone

Concen: 500.410 ug/l

RT: 11.32 min Scan# 1045

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

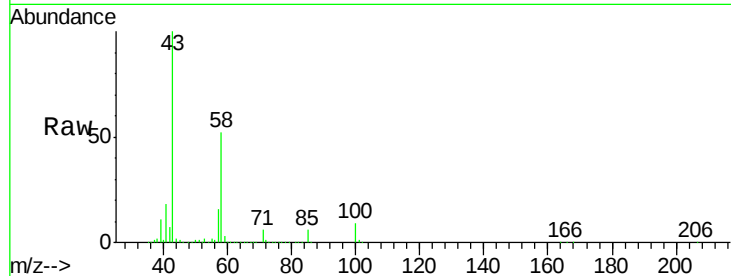
VSTDIC075

Tot Ion: 43 Resp: 2559062

Ion Ratio Lower Upper

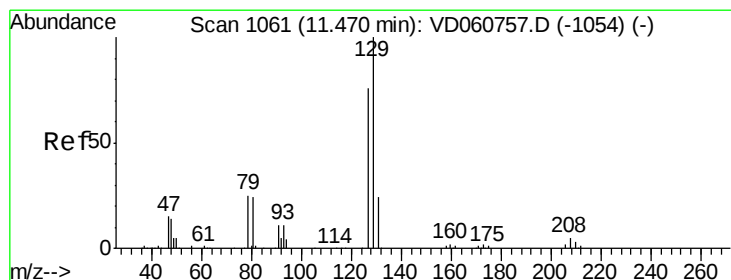
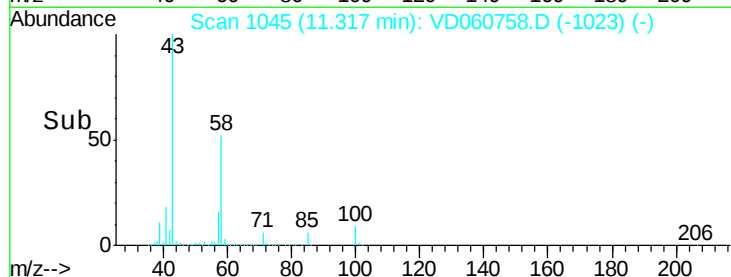
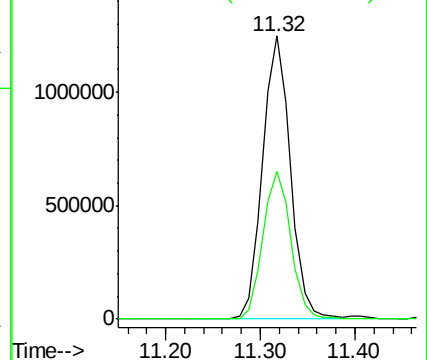
43 100

58 52.0 23.5 70.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 95.747 ug/l

RT: 11.46 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VD060758.D

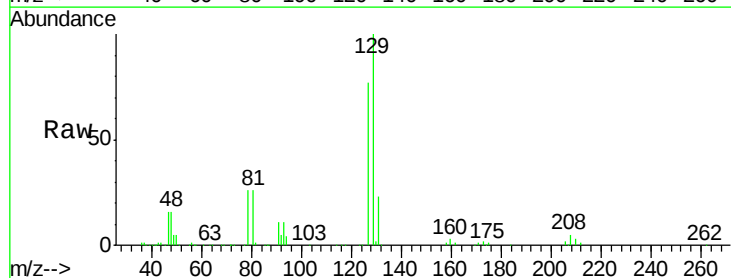
Acq: 18 Jan 2019 12:51

Tgt Ion:129 Resp: 1180619

Ion Ratio Lower Upper

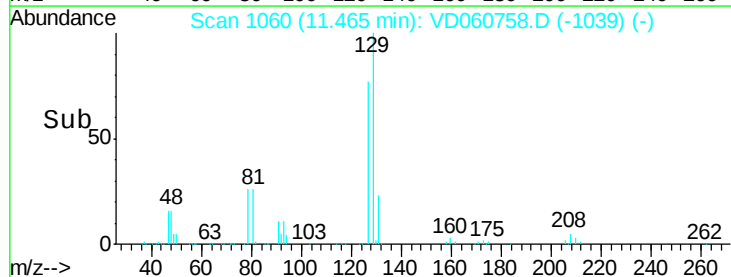
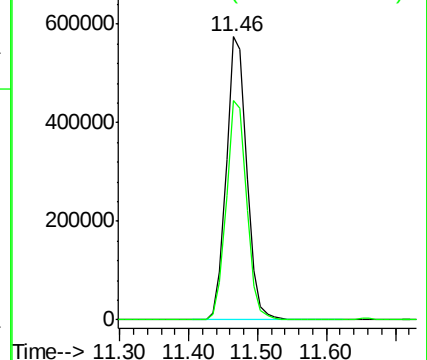
129 100

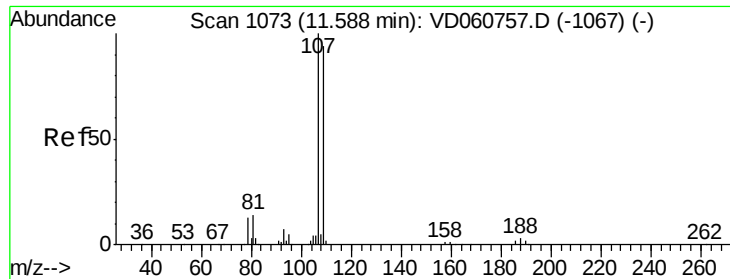
127 77.3 37.6 112.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

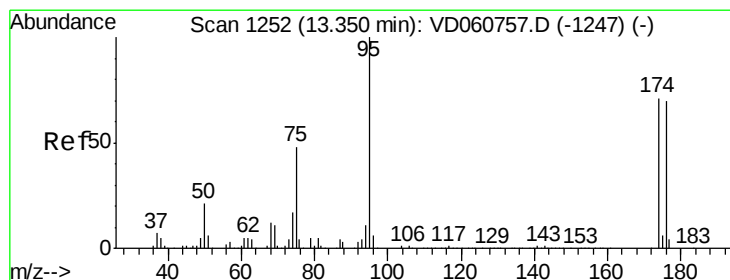
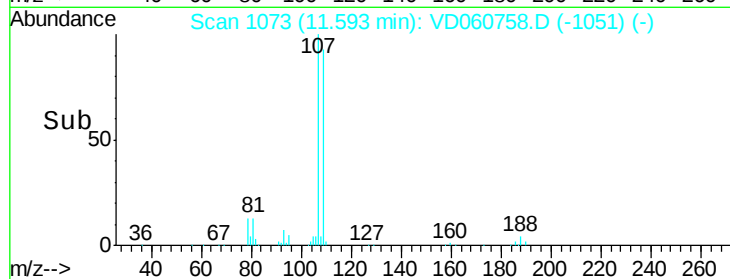
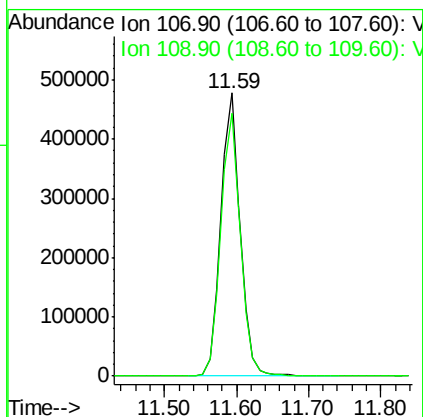
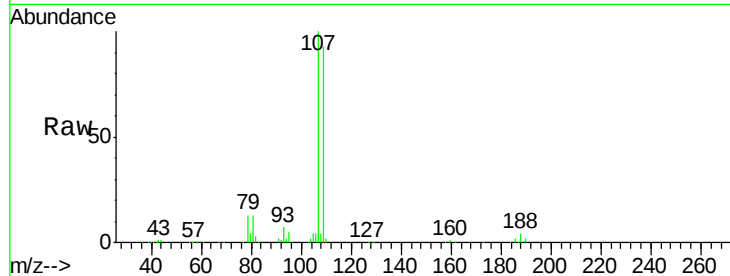




#61
 1,2-Dibromoethane
 Concen: 87.733 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

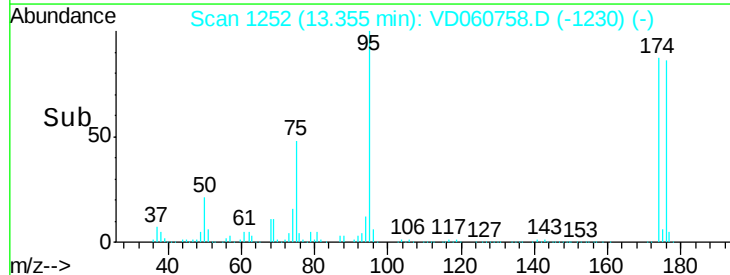
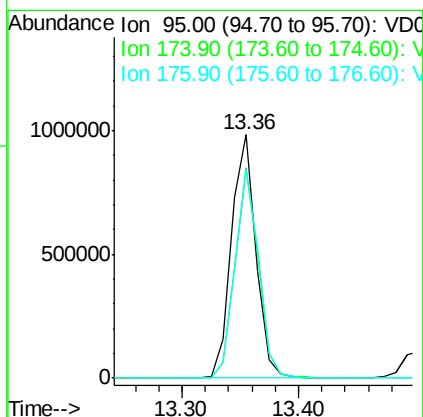
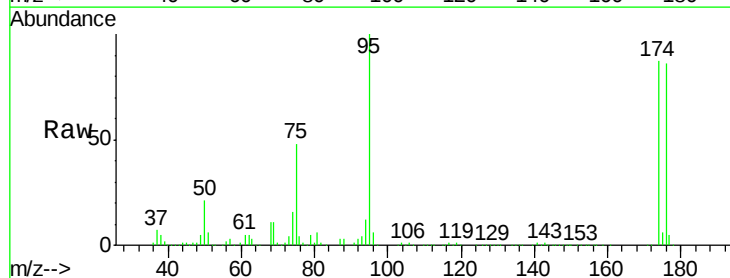
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

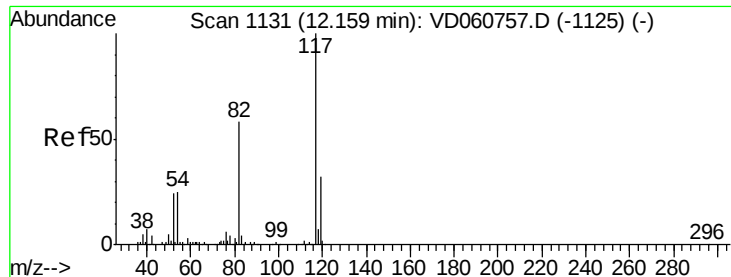
Tot Ion:107 Resp: 880923
 Ion Ratio Lower Upper
 107 100
 109 93.1 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 87.733 ug/l
 RT: 13.36 min Scan# 1252
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion: 95 Resp: 1429643
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 158.2
 176 85.8 0.0 152.4

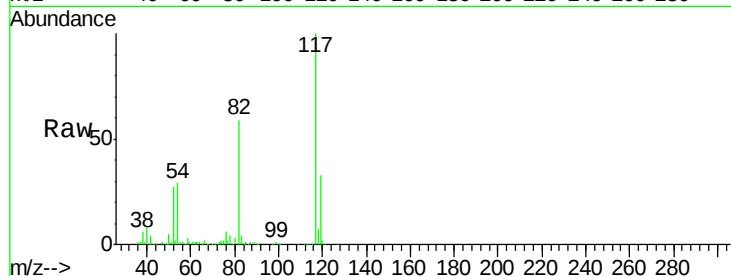




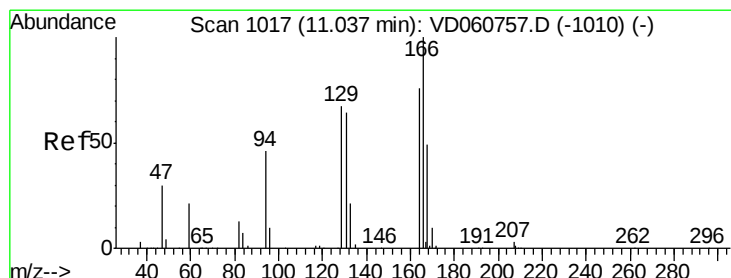
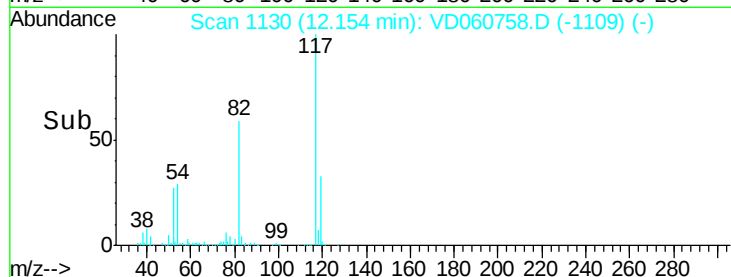
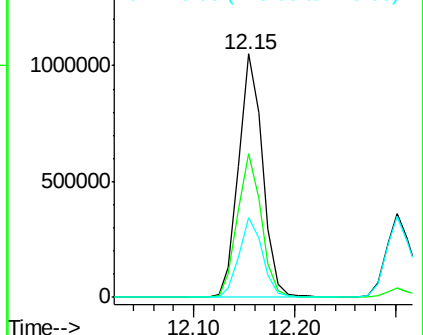
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1734161
Ion Ratio Lower Upper
117 100
82 59.0 44.5 66.7
119 32.7 26.3 39.5

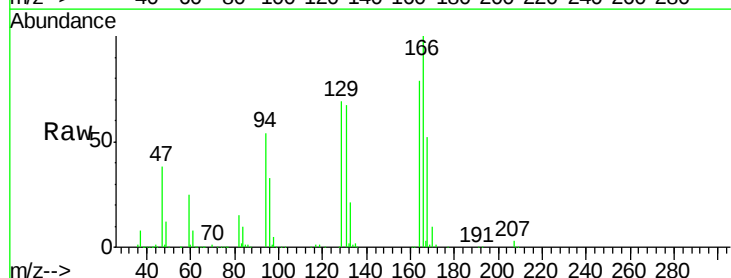


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

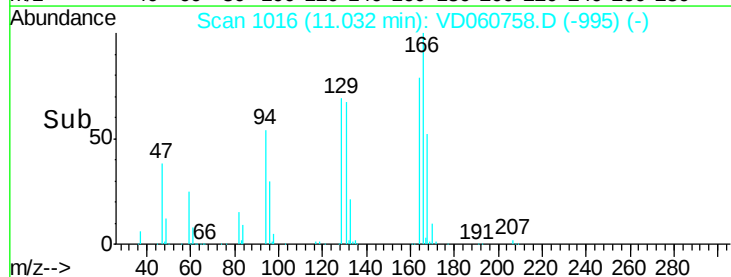
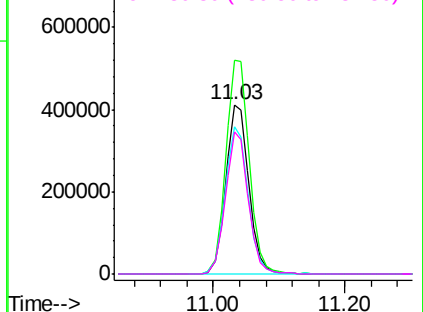


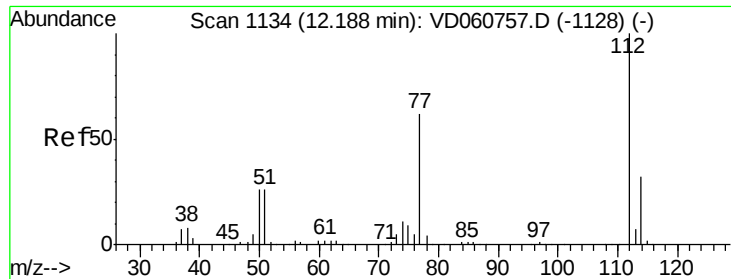
#64
Tetrachloroethene
Concen: 63.923 ug/l
RT: 11.03 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion:164 Resp: 1004725
Ion Ratio Lower Upper
164 100
166 126.3 104.4 156.6
129 86.9 62.7 94.1
131 84.1 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: 64.562 ug/l

RT: 12.18 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

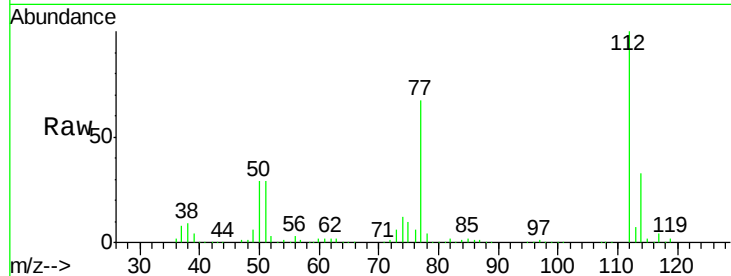
VSTDIC075

Tot Ion:112 Resp: 2473612

Ion Ratio Lower Upper

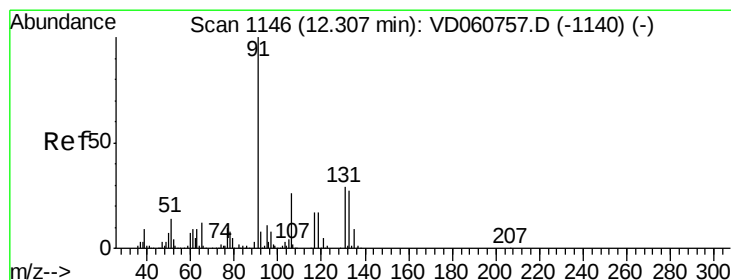
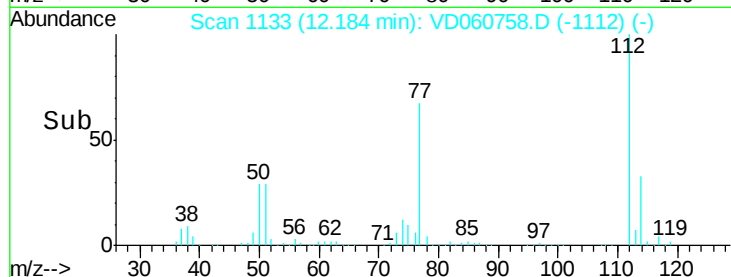
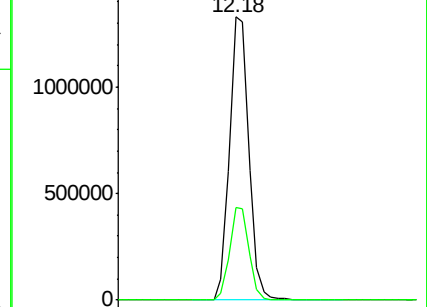
112 100

114 32.5 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: 80.452 ug/l

RT: 12.30 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

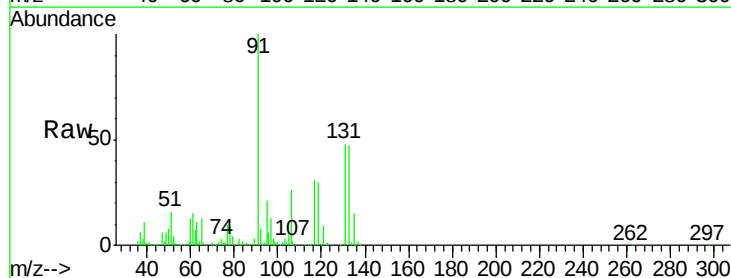
Tgt Ion:131 Resp: 991091

Ion Ratio Lower Upper

131 100

133 96.7 49.1 147.3

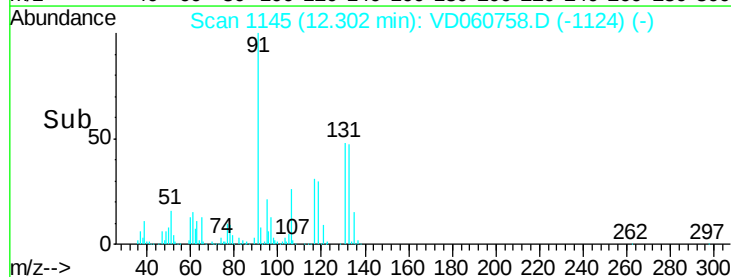
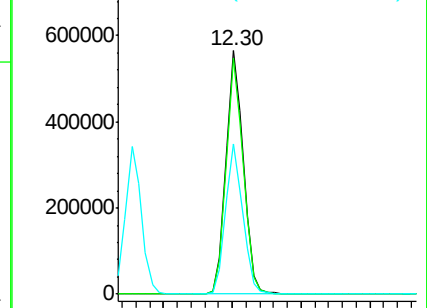
119 61.5 36.6 109.8

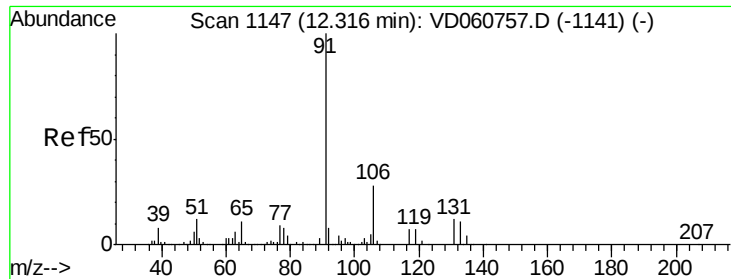


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 64.086 ug/l

RT: 12.31 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

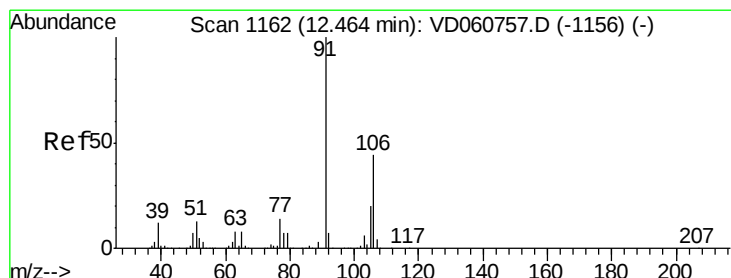
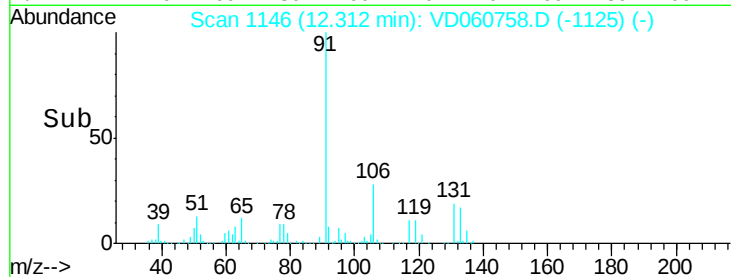
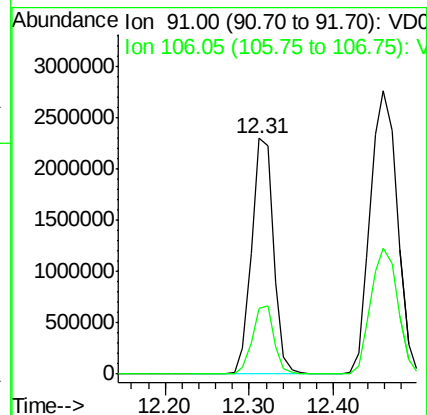
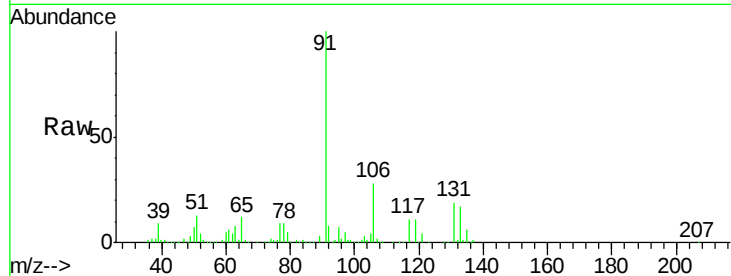
VSTDIC075

Tot Ion: 91 Resp: 4205103

Ion Ratio Lower Upper

91 100

106 27.9 24.6 36.8



#68

m/p-Xylenes

Concen: 114.260 ug/l

RT: 12.46 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD060758.D

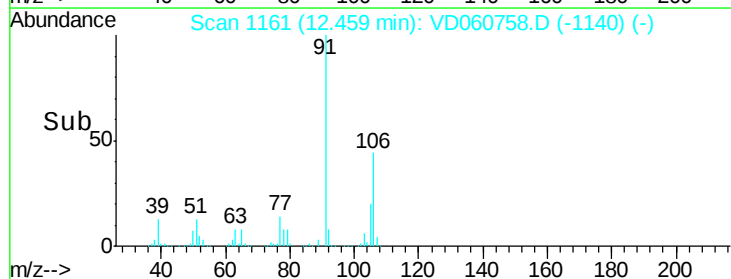
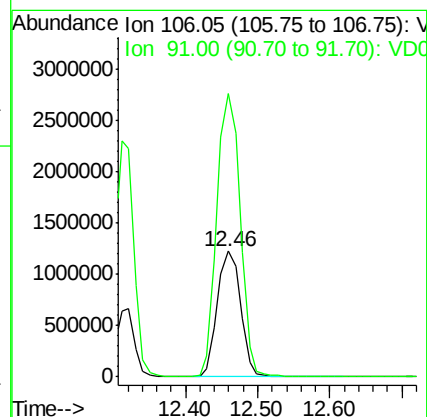
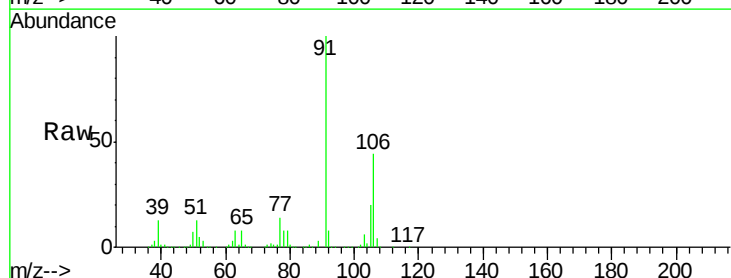
Acq: 18 Jan 2019 12:51

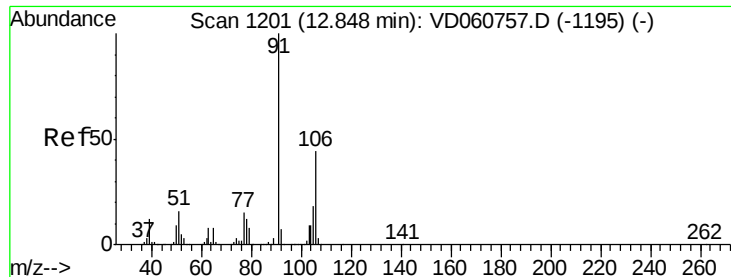
Tgt Ion: 106 Resp: 2739919

Ion Ratio Lower Upper

106 100

91 224.9 158.9 238.3

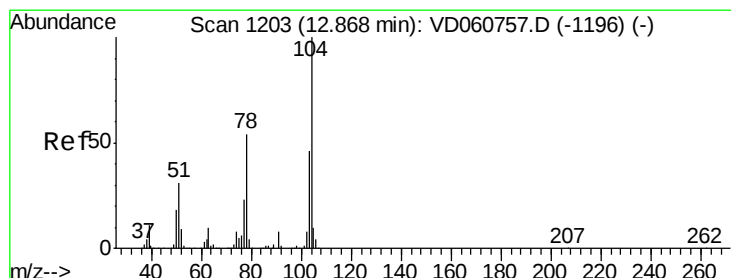
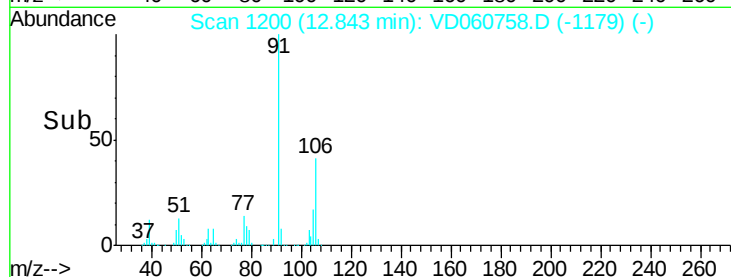
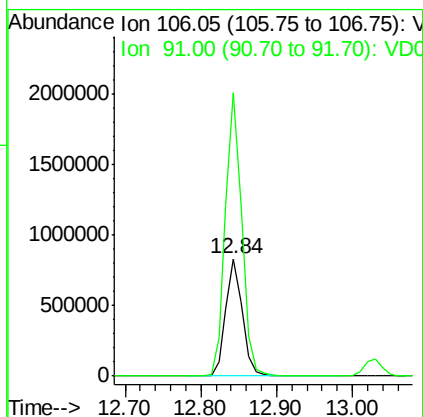
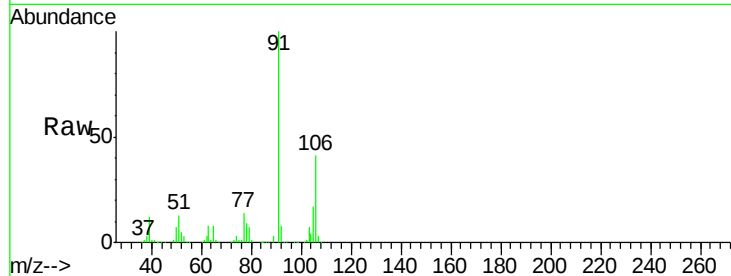




#69
o-Xylene
Concen: 55.397 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

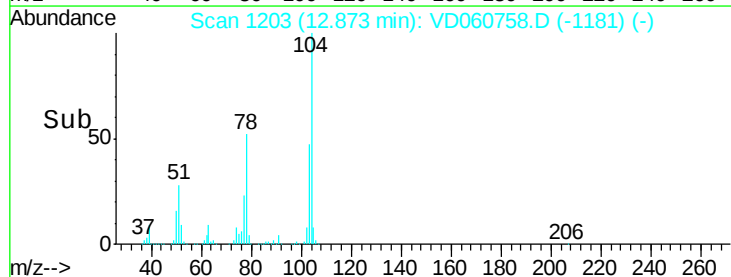
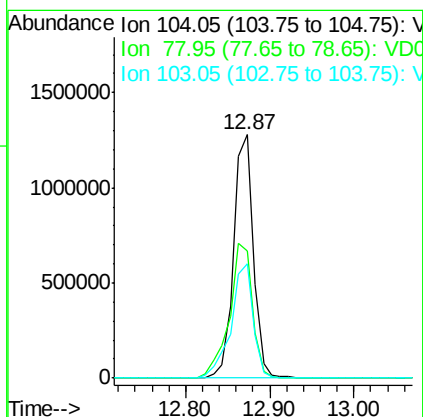
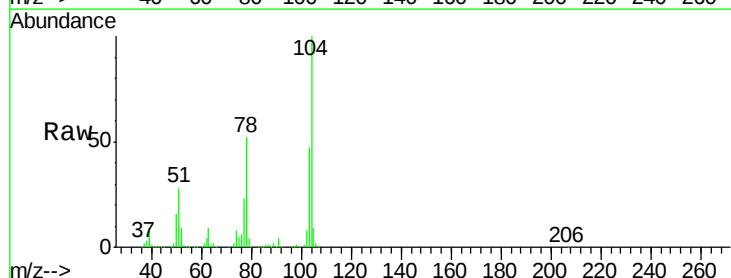
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

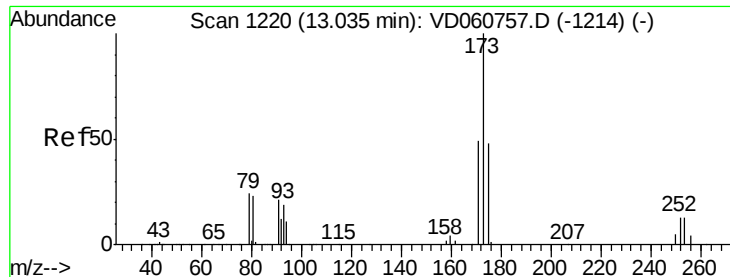
Tot Ion:106 Resp: 1260303
Ion Ratio Lower Upper
106 100
91 241.5 101.5 304.5



#70
Styrene
Concen: 57.172 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion:104 Resp: 2094837
Ion Ratio Lower Upper
104 100
78 52.2 31.4 47.2#
103 46.9 37.5 56.3





#71

Bromoform

Concen: 93.102 ug/l

RT: 13.03 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

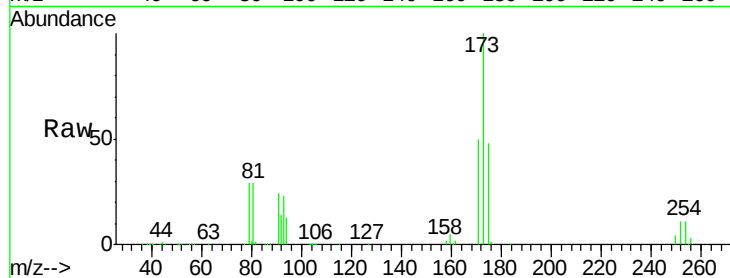
Tot Ion:173 Resp: 757082

Ion Ratio Lower Upper

173 100

175 47.7 25.5 76.5

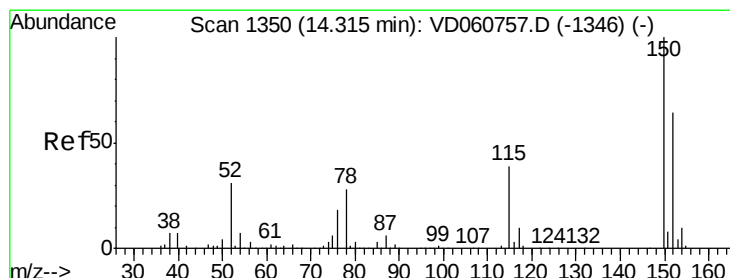
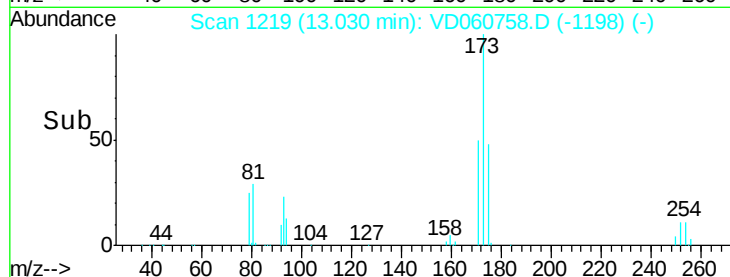
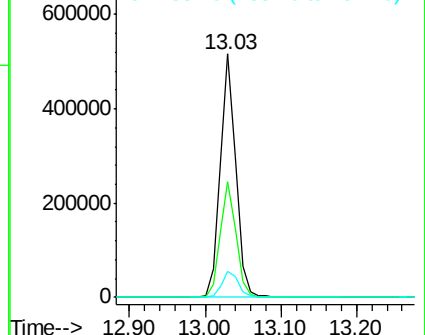
254 10.6 7.9 11.9



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: 14.32 min Scan# 1350

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

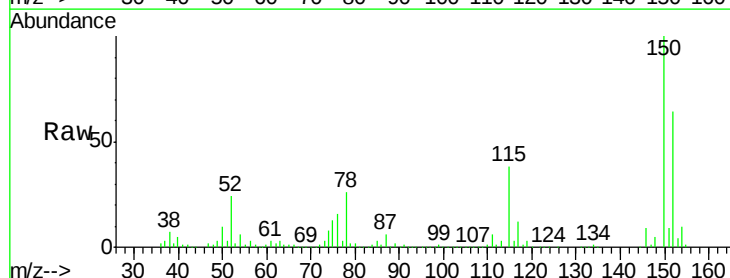
Tgt Ion:152 Resp: 832772

Ion Ratio Lower Upper

152 100

115 59.1 24.1 72.3

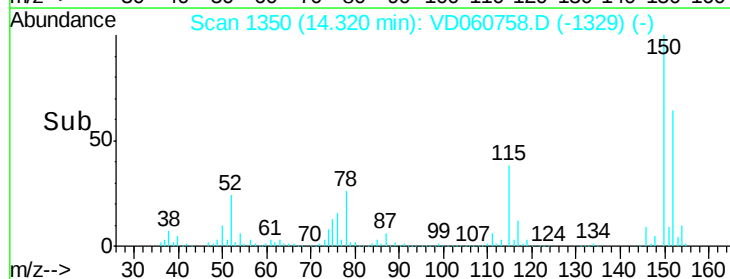
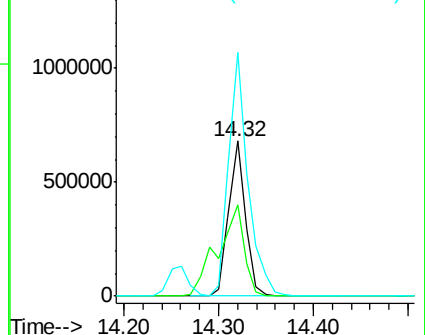
150 157.2 0.0 315.0

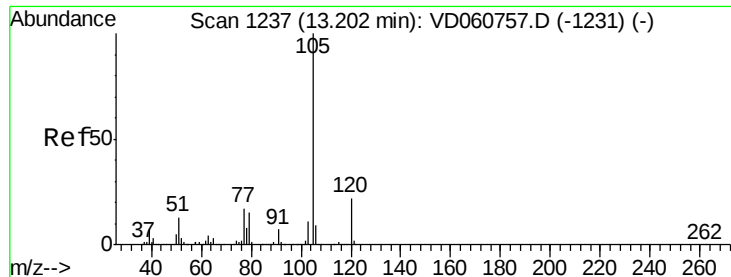


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 67.619 ug/l

RT: 13.20 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

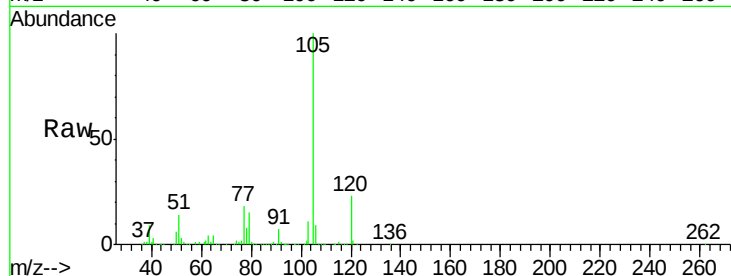
VSTDIC075

Tot Ion:105 Resp: 4009274

Ion Ratio Lower Upper

105 100

120 22.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

3000000

2500000

2000000

1500000

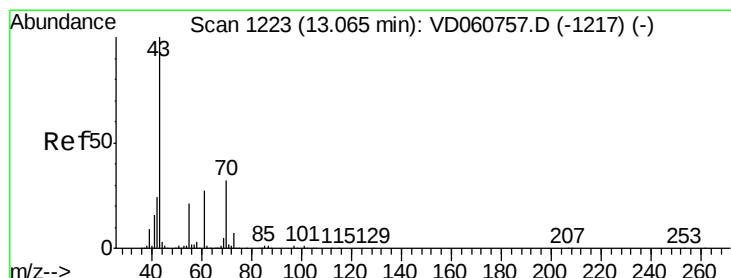
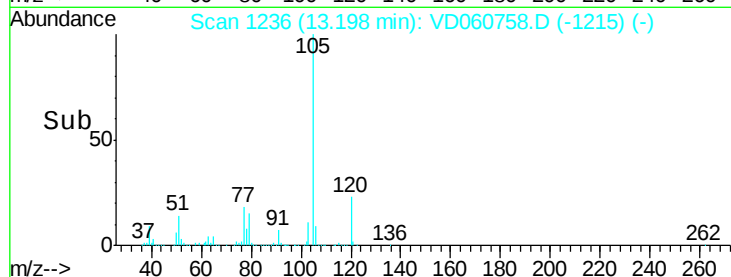
1000000

500000

0

13.10 13.20 13.30

Time-->



#74

N-ethyl acetate

Concen: 101.905 ug/l

RT: 13.06 min Scan# 1222

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Tgt Ion: 43 Resp: 1426025

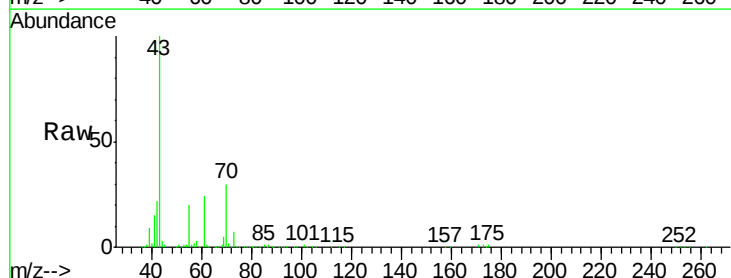
Ion Ratio Lower Upper

43 100

70 30.3 22.2 33.2

55 20.0 13.8 20.8

61 24.3 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

1500000

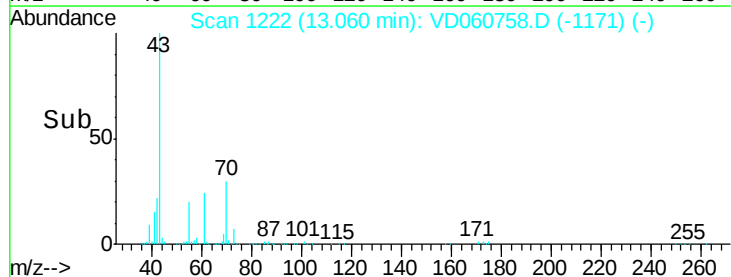
1000000

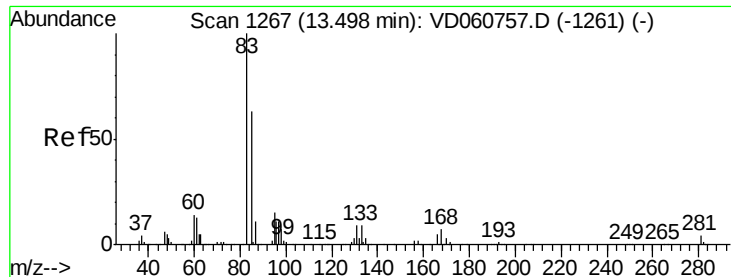
500000

0

13.00 13.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 97.863 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.02 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

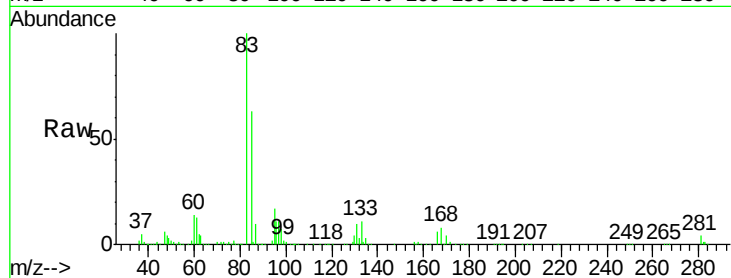
Tot Ion: 83 Resp: 940519

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.2	12.4
85	63.5	32.6	97.7

83 100

131 10.0 4.2 12.4

85 63.5 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

800000

600000

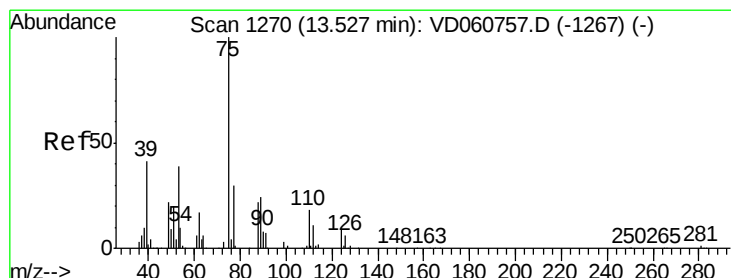
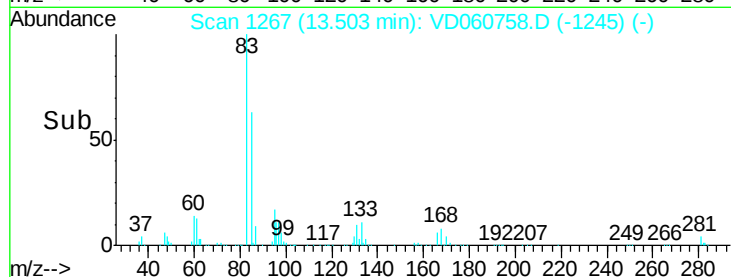
400000

200000

0

13.40 13.50 13.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 111.842 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD060758.D

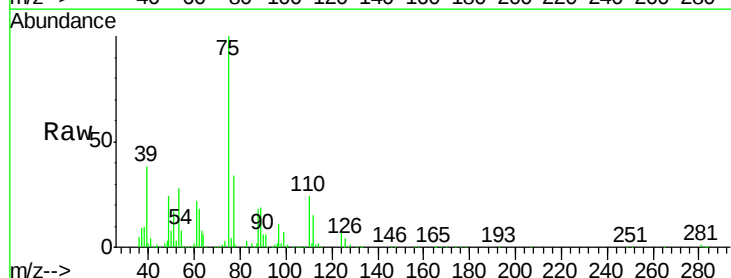
Acq: 18 Jan 2019 12:51

Tgt Ion: 75 Resp: 1060371

Ion	Ratio	Lower	Upper
75	100		
77	33.5	16.7	50.0

75 100

77 33.5 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

1200000

1000000

800000

600000

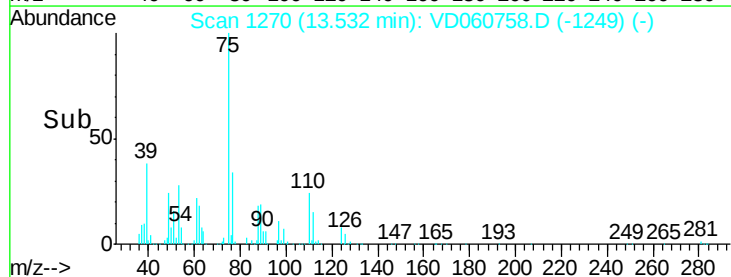
400000

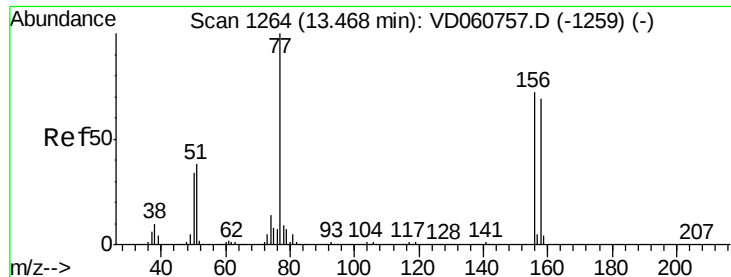
200000

0

13.45 13.50 13.55 13.60

Time-->





#77

Bromobenzene

Concen: 72.527 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

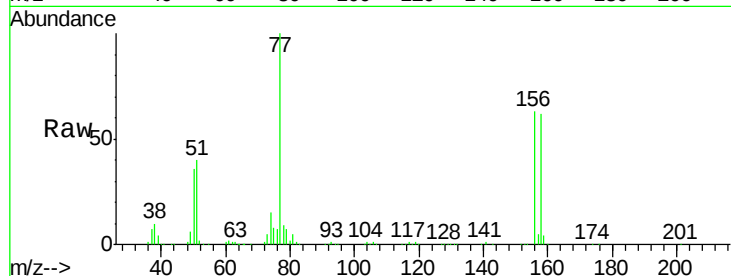
Tot Ion:156 Resp: 1135321

Ion Ratio Lower Upper

156 100

77 158.2 61.3 183.9

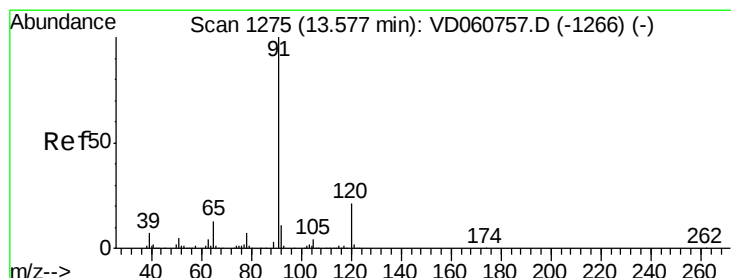
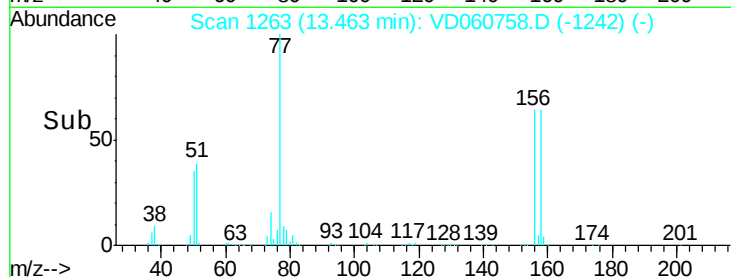
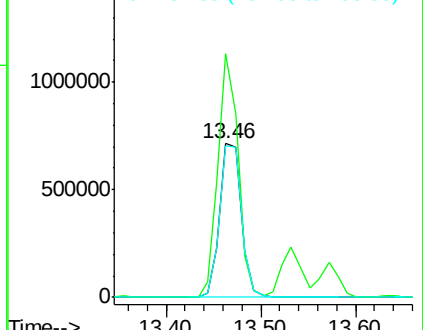
158 98.6 48.9 146.6



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: 67.512 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD060758.D

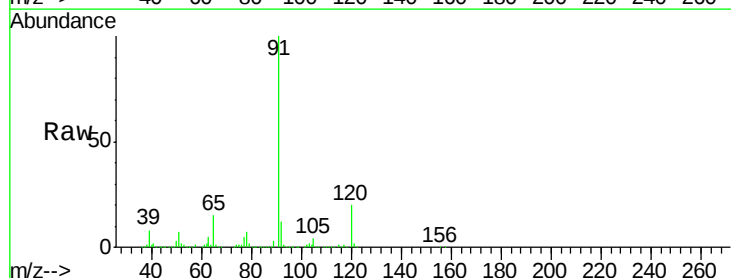
Acq: 18 Jan 2019 12:51

Tgt Ion: 91 Resp: 5117494

Ion Ratio Lower Upper

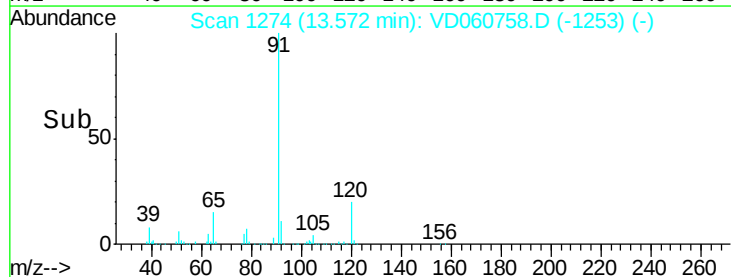
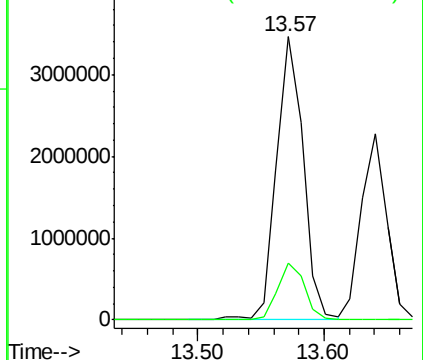
91 100

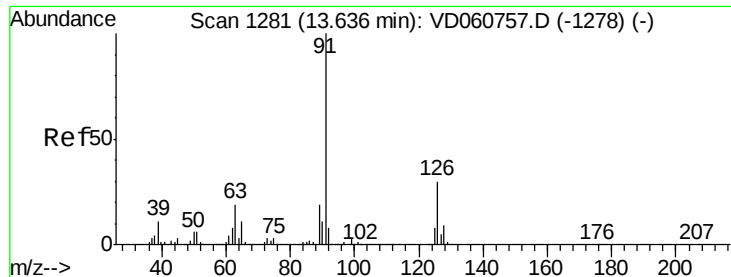
120 19.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 78.444 ug/l

RT: 13.64 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

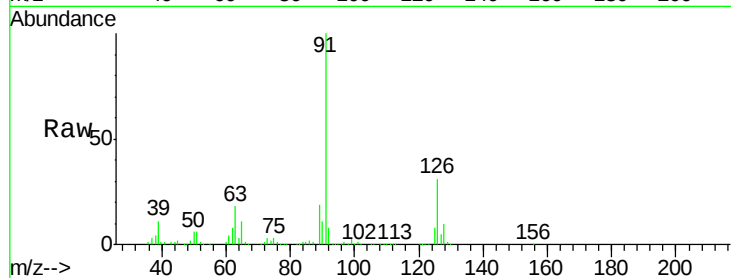
VSTDIC075

Tot Ion: 91 Resp: 3184830

Ion Ratio Lower Upper

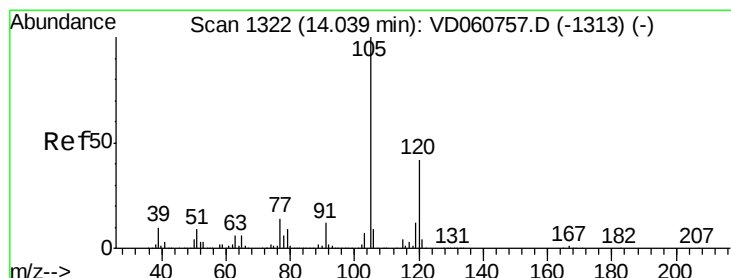
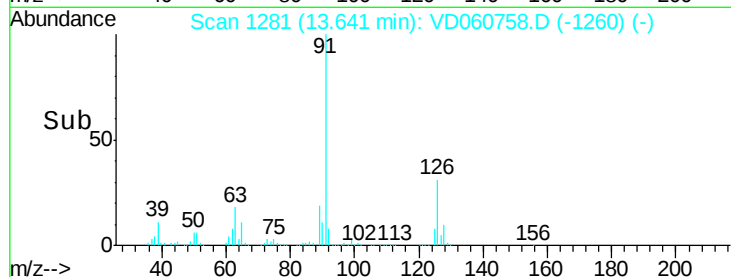
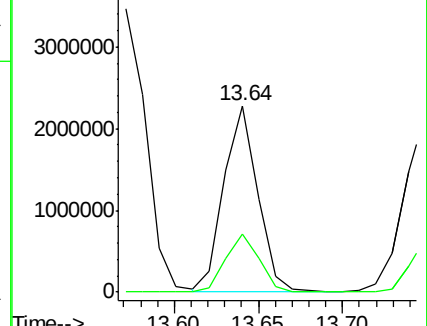
91 100

126 31.1 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VD060757.D (-1278) (-)

Ion 125.95 (125.65 to 126.65): VD060757.D (-1278) (-)



#80

1,3,5-Trimethylbenzene

Concen: 73.420 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VD060758.D

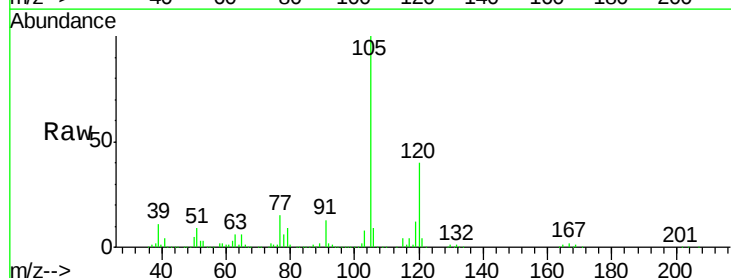
Acq: 18 Jan 2019 12:51

Tgt Ion:105 Resp: 3361539

Ion Ratio Lower Upper

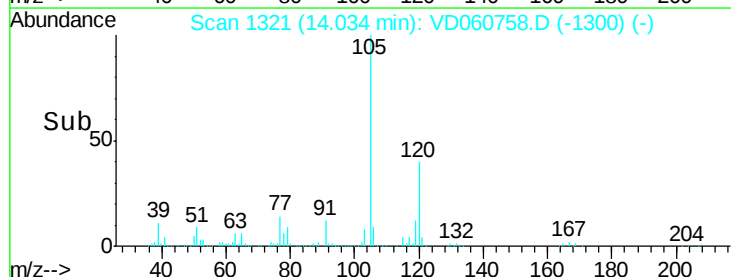
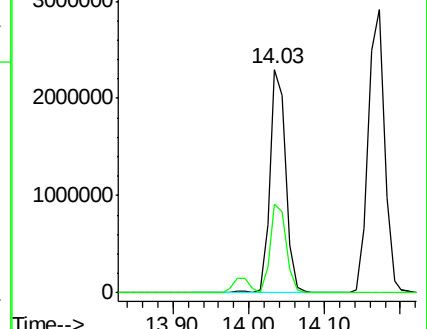
105 100

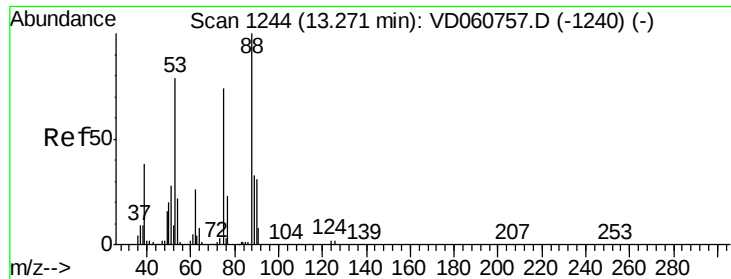
120 39.5 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060757.D (-1313) (-)

Ion 120.05 (119.75 to 120.75): VD060757.D (-1313) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 112.868 ug/l

RT: 13.27 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD060758.D

Acq: 18 Jan 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

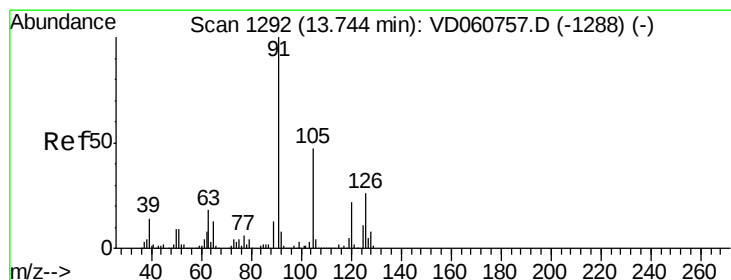
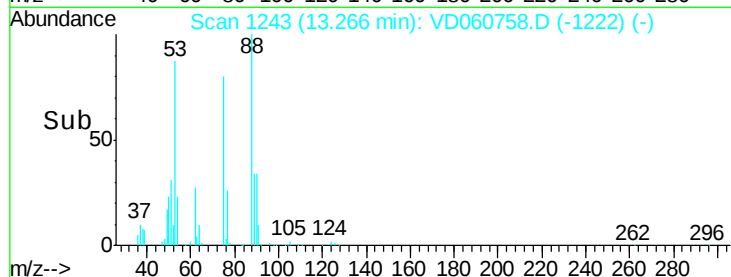
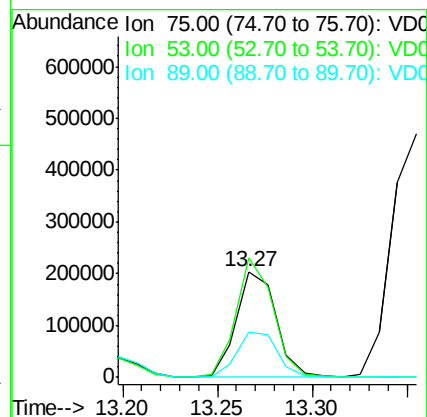
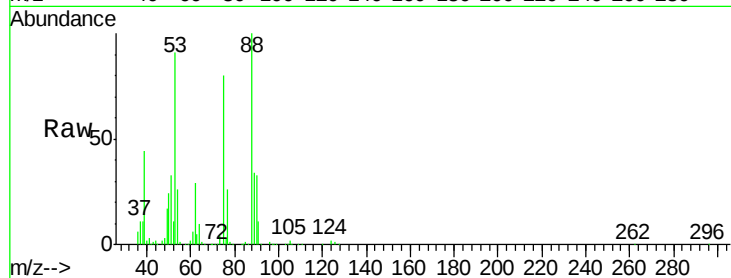
Tot Ion: 75 Resp: 295695

Ion Ratio Lower Upper

75 100

53 113.7 72.1 108.1#

89 42.3 35.1 52.7



#82

4-Chlorotoluene

Concen: 68.109 ug/l

RT: 13.75 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VD060758.D

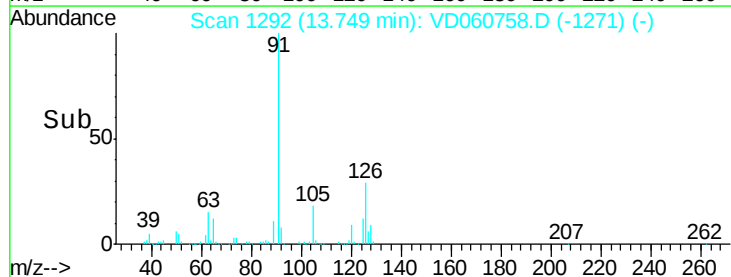
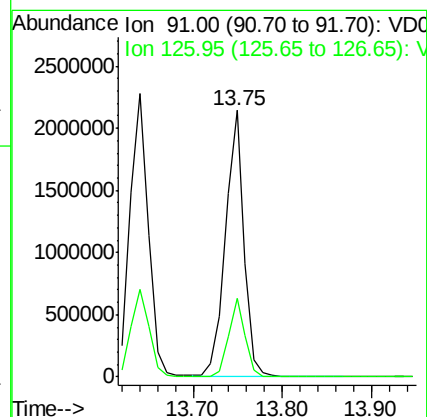
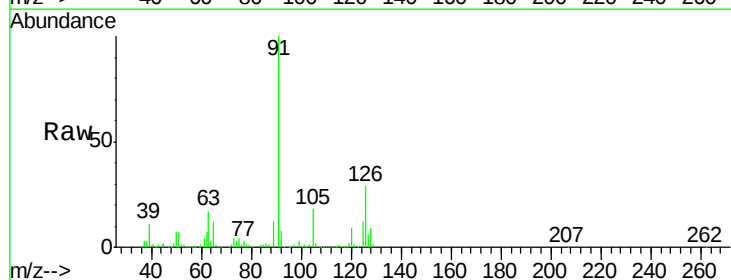
Acq: 18 Jan 2019 12:51

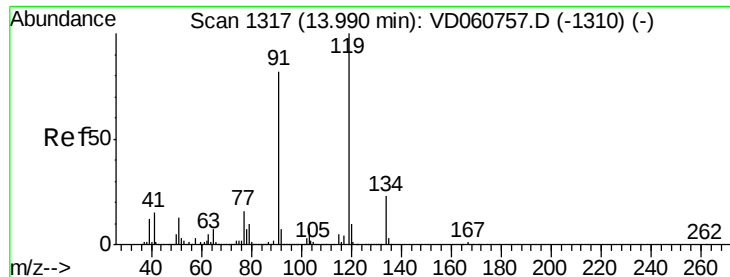
Tgt Ion: 91 Resp: 3134234

Ion Ratio Lower Upper

91 100

126 29.3 14.6 43.8

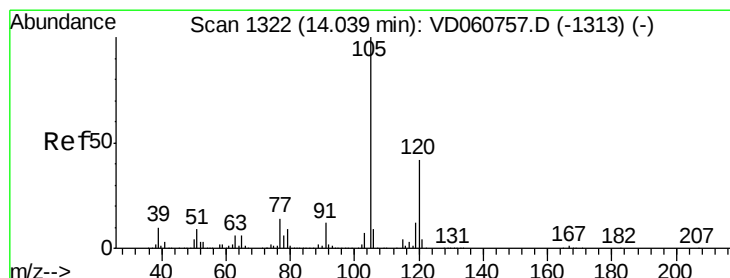
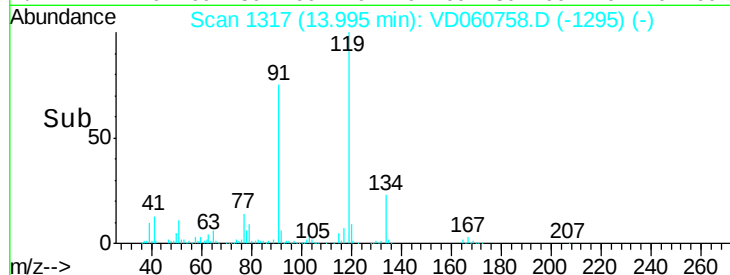
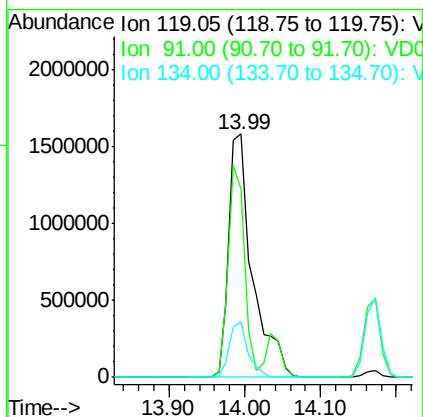
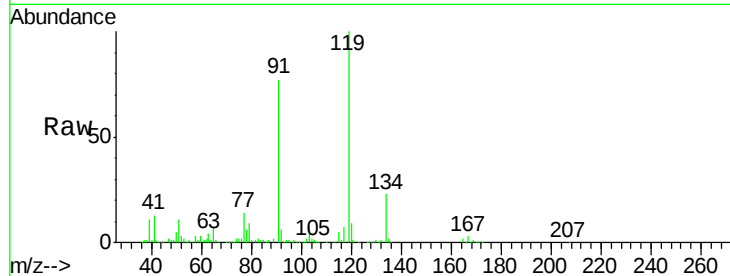




#83
tert-Butylbenzene
Concen: 65.466 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. 0.02 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

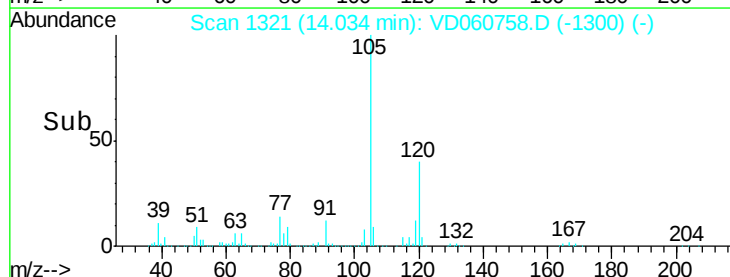
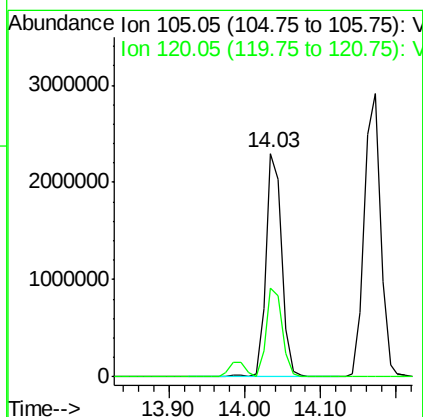
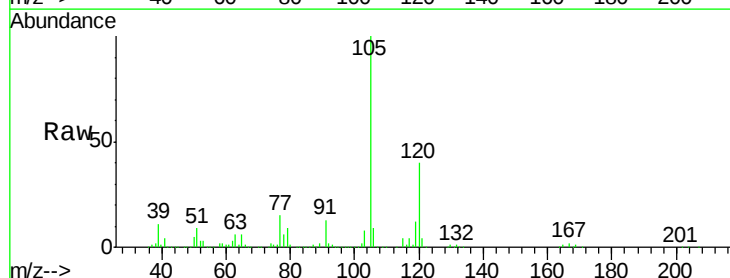
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

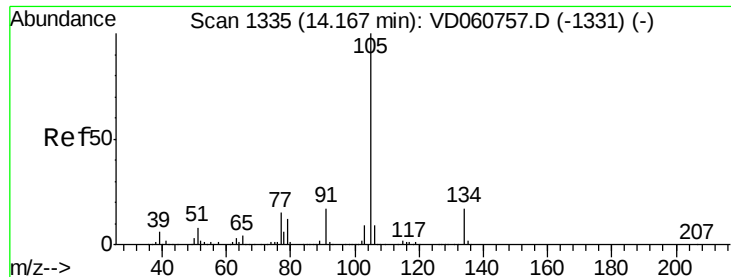
Tot Ion:119 Resp: 3411159
Ion Ratio Lower Upper
119 100
91 77.3 32.5 97.4
134 22.7 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 71.287 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion:105 Resp: 3361539
Ion Ratio Lower Upper
105 100
120 39.5 22.4 67.0

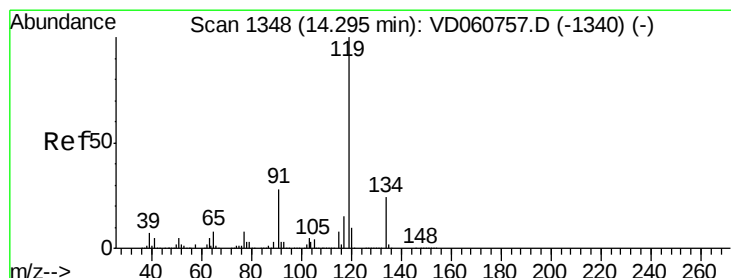
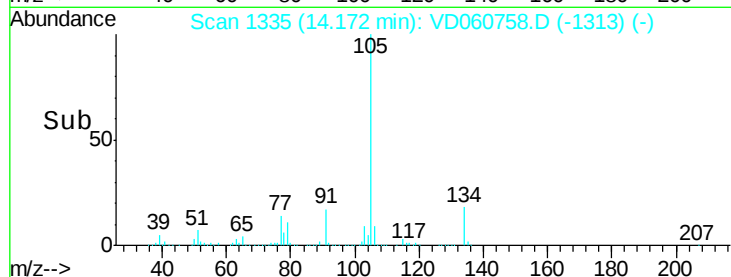
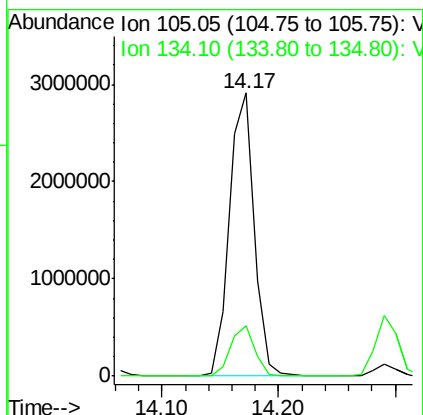
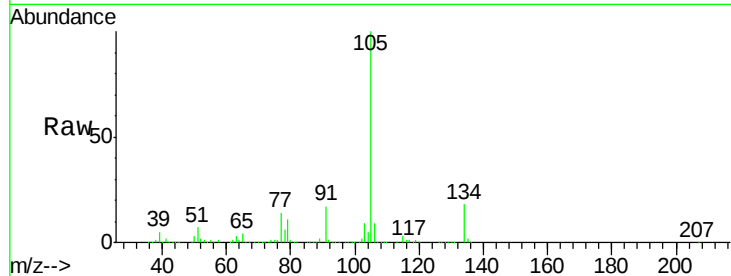




#85
 sec-Butylbenzene
 Concen: 67.097 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

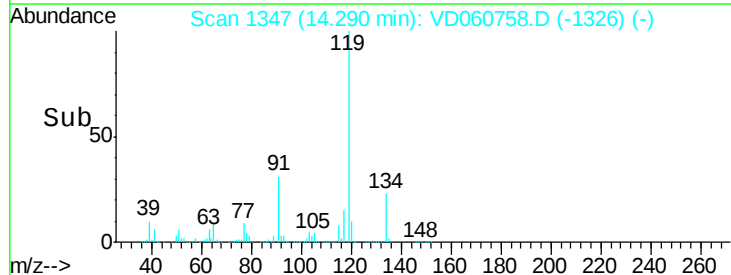
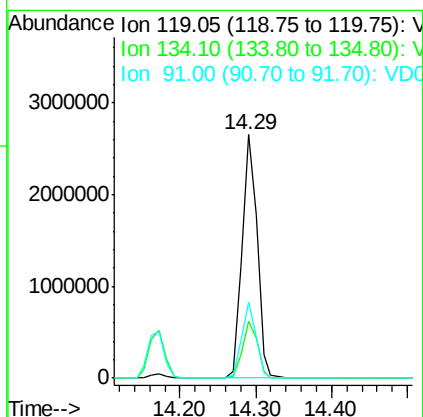
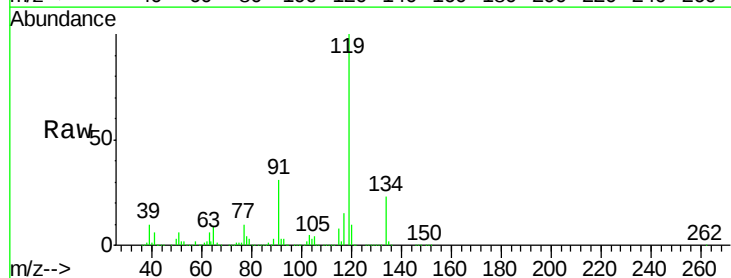
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

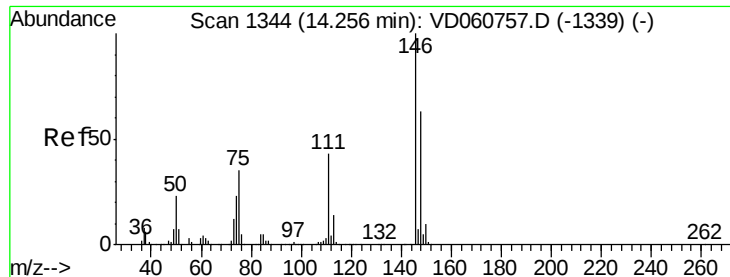
Tot Ion:105 Resp: 4263679
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 69.754 ug/l
 RT: 14.29 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion:119 Resp: 3578015
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.5 37.5
 91 31.3 11.4 34.2

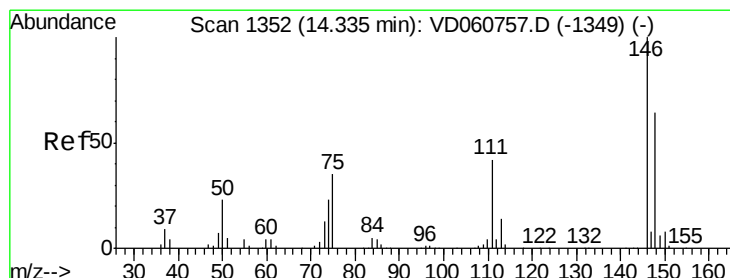
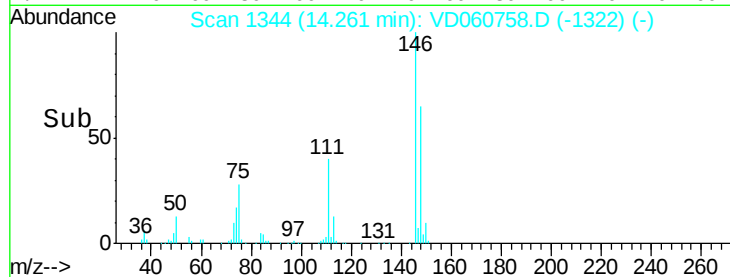
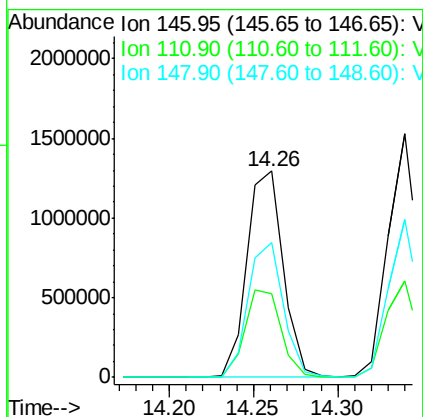
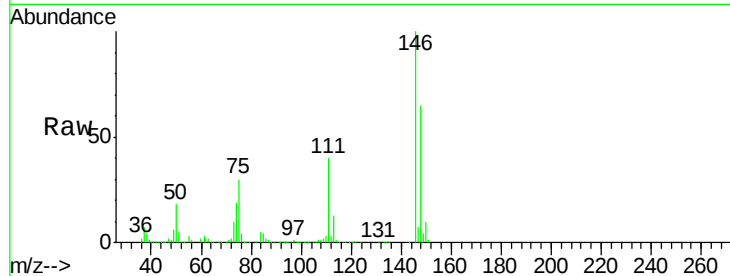




#87
 1,3-Dichlorobenzene
 Concen: 67.462 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

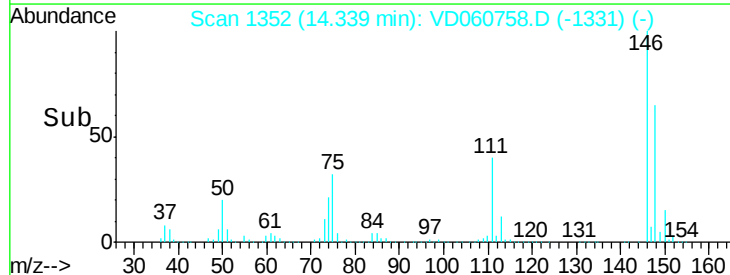
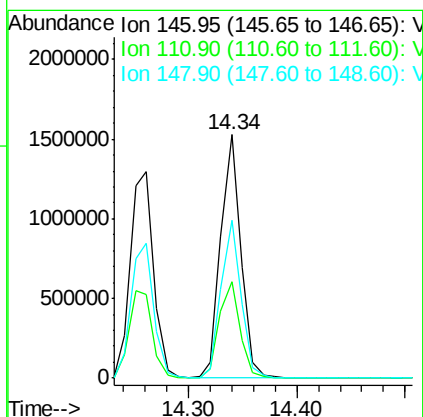
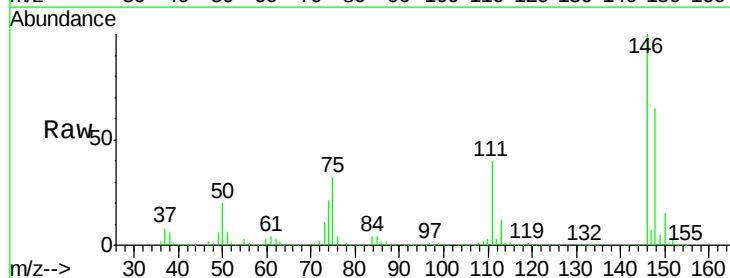
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

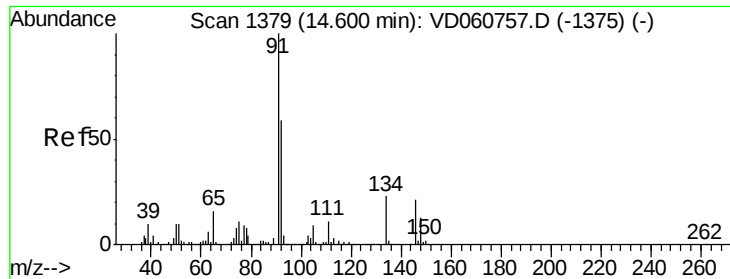
Tot Ion:146 Resp: 1938600
 Ion Ratio Lower Upper
 146 100
 111 40.3 16.6 49.8
 148 65.1 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 69.855 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion:146 Resp: 1978062
 Ion Ratio Lower Upper
 146 100
 111 39.8 16.2 48.5
 148 64.8 32.7 98.1

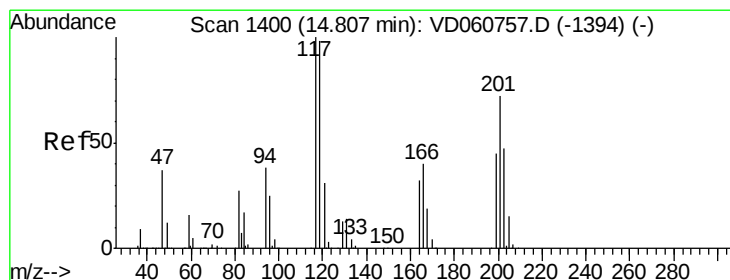
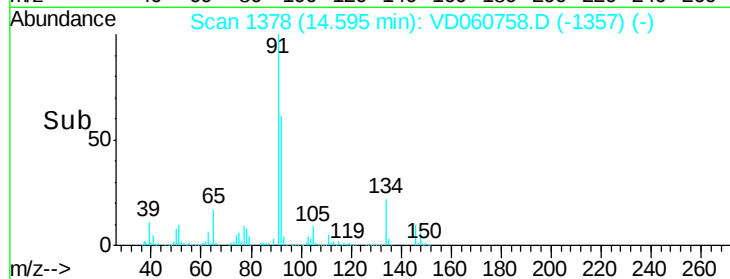
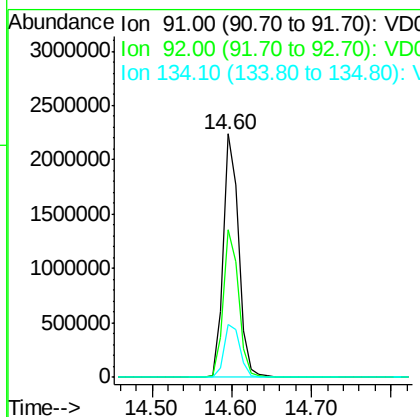
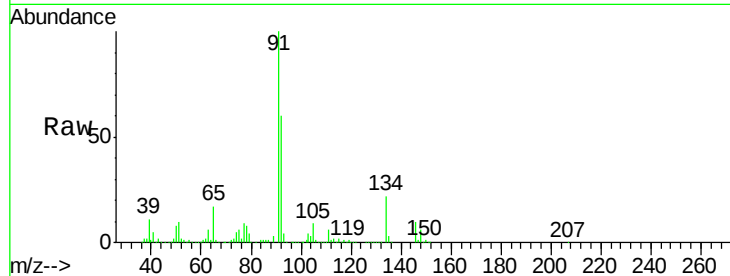




#89
n-Butylbenzene
Concen: 58.336 ug/l
RT: 14.60 min Scan# 1378
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

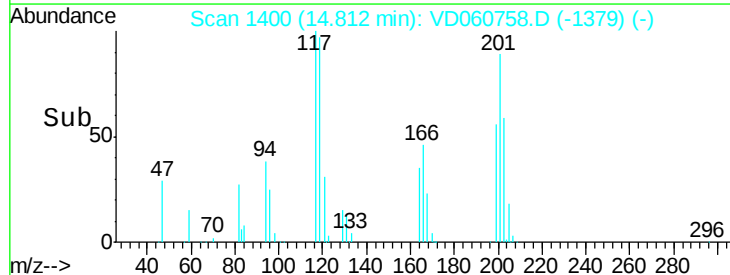
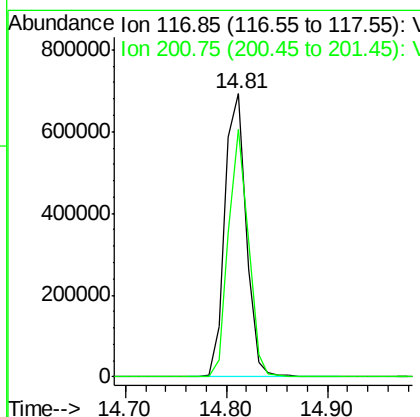
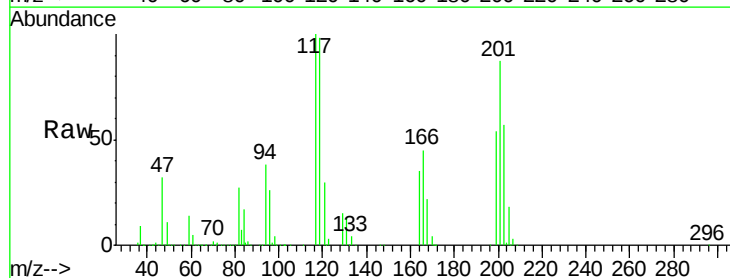
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

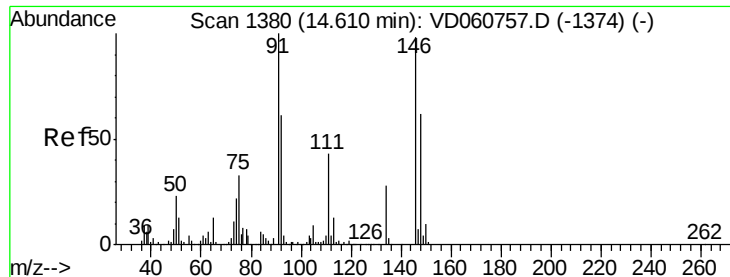
Tot Ion: 91 Resp: 3057857
Ion Ratio Lower Upper
91 100
92 60.5 29.7 89.1
134 21.6 12.7 38.1



#90
Hexachloroethane
Concen: 81.125 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion: 117 Resp: 1022272
Ion Ratio Lower Upper
117 100
201 87.4 42.6 127.8

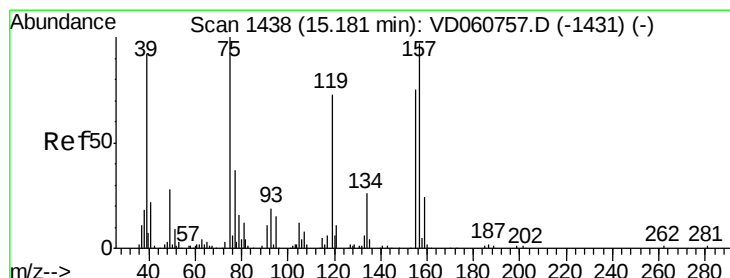
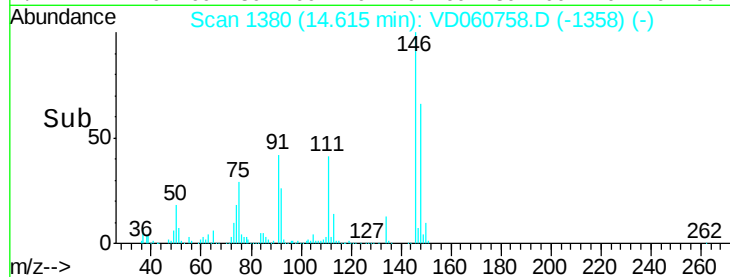
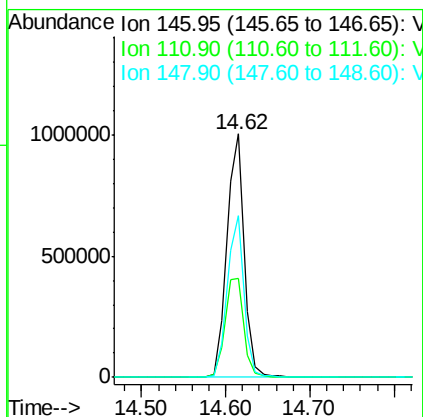
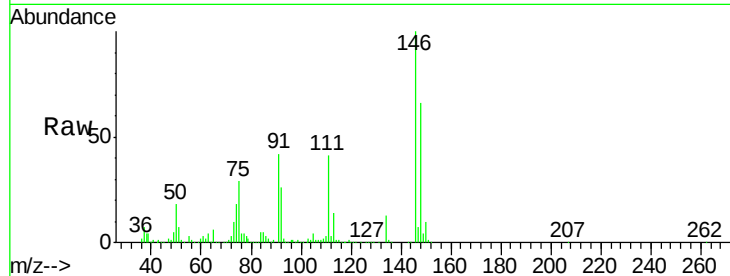




#91
 1,2-Dichlorobenzene
 Concen: 61.521 ug/l
 RT: 14.62 min Scan# 1380
 Delta R.T. 0.02 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

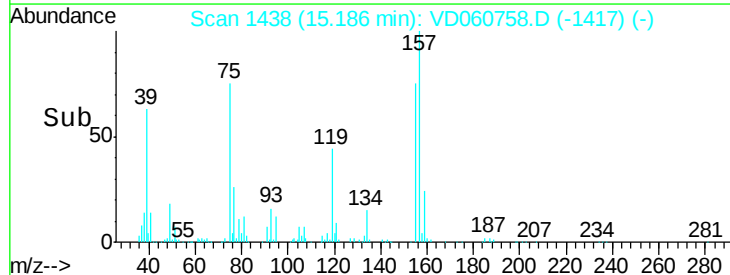
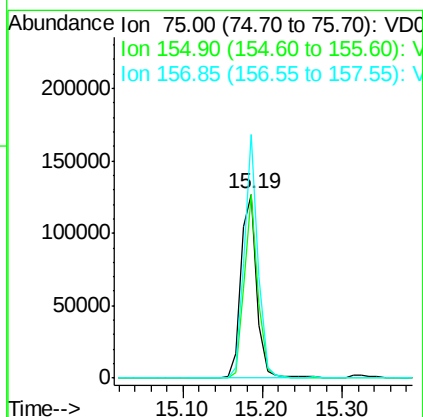
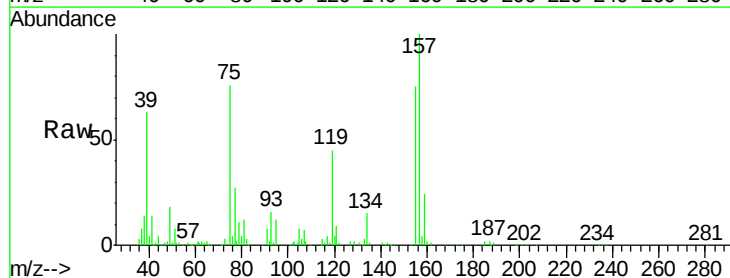
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

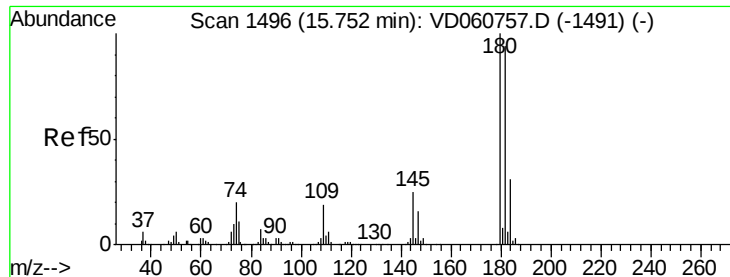
Tot Ion:146 Resp: 1418134
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.3 57.9
 148 66.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 157.579 ug/l
 RT: 15.19 min Scan# 1438
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion: 75 Resp: 177916
 Ion Ratio Lower Upper
 75 100
 155 99.4 41.1 123.4
 157 132.3 52.5 157.6

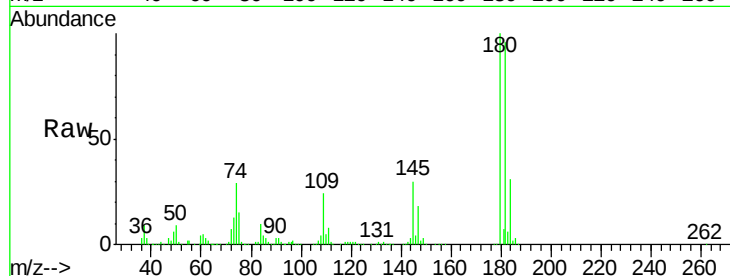




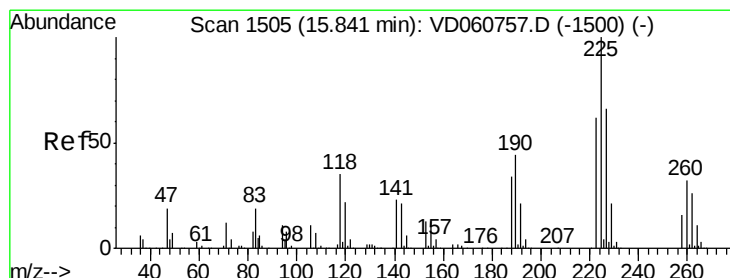
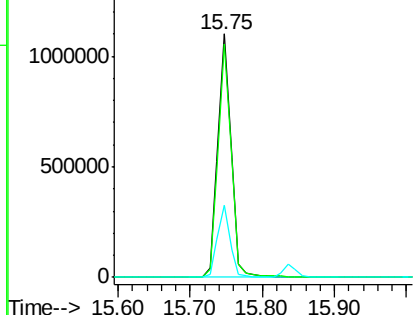
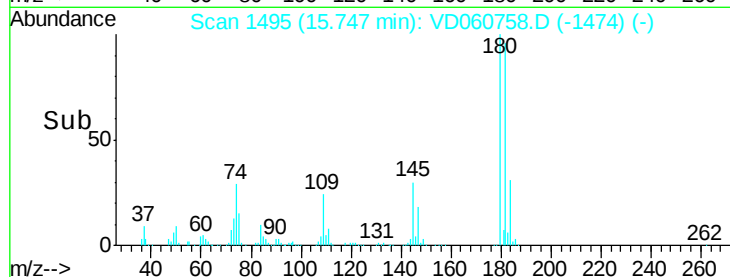
#93
 1,2,4-Trichlorobenzene
 Concen: 75.383 ug/l
 RT: 15.75 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 1382714
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.8 146.4
 145 29.5 11.8 35.3

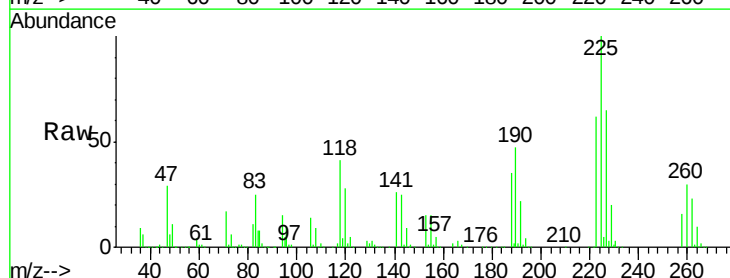


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

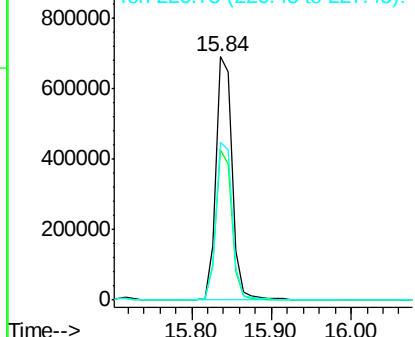
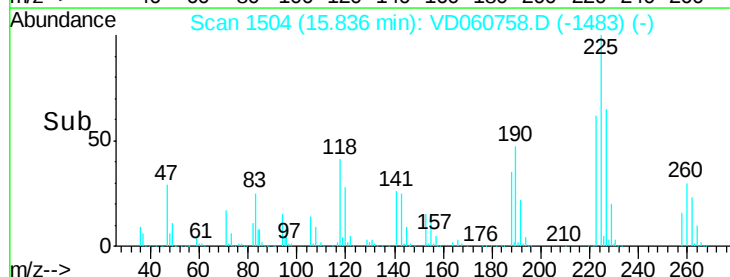


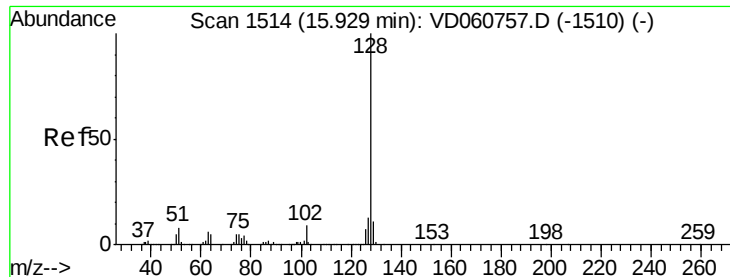
#94
 Hexachlorobutadiene
 Concen: 73.938 ug/l
 RT: 15.84 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VD060758.D
 Acq: 18 Jan 2019 12:51

Tgt Ion:225 Resp: 1002445
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.3 93.8
 227 64.8 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

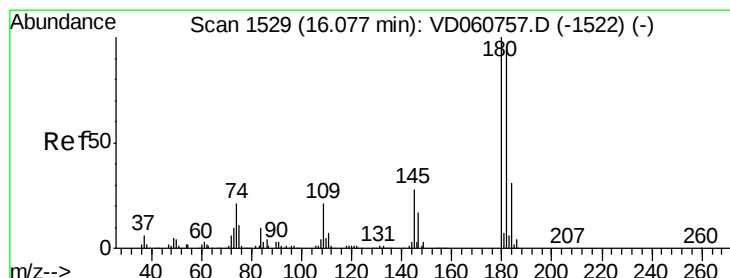
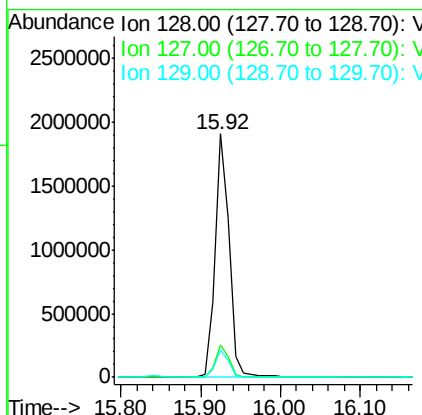
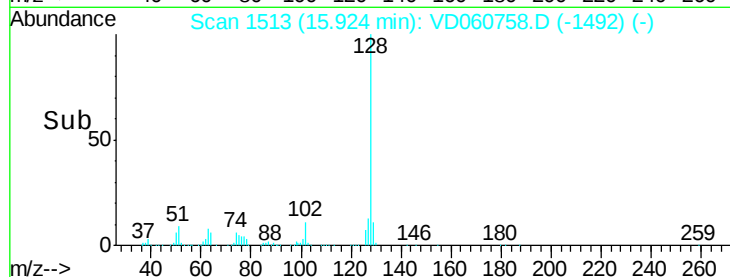
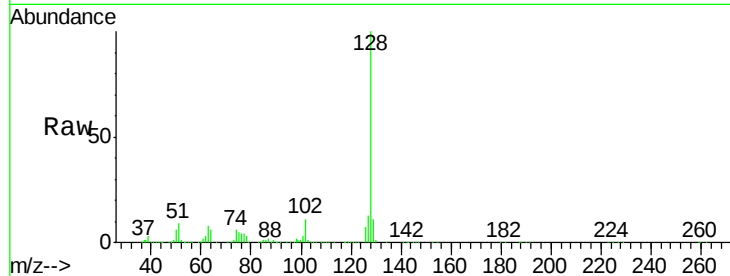




#95
Naphthalene
Concen: 109.913 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 2396165
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 87.227 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: VD060758.D
Acq: 18 Jan 2019 12:51

Tgt Ion:180 Resp: 1250724
Ion Ratio Lower Upper
180 100
182 96.1 48.6 145.9
145 31.0 12.6 37.8

