

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060754.D
 Acq On : 18 Jan 2019 10:49
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 19 02:34:25 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	1370853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	1938254	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	1560656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	785274	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	96573	10.19	ug/l	0.01
Spiked Amount			Recovery	=	20.38%	
35) Dibromofluoromethane	6.68	113	91345	6.44	ug/l	0.01
Spiked Amount			Recovery	=	12.88%	
50) Toluene-d8	10.18	98	262172	6.19	ug/l	0.01
Spiked Amount			Recovery	=	12.38%	
62) 4-Bromofluorobenzene	13.35	95	118661	8.00	ug/l	0.01
Spiked Amount			Recovery	=	16.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	76134	4.347	ug/l	87
3) Chloromethane	1.77	50	56071	3.478	ug/l	99
4) Vinyl Chloride	1.84	62	52799	4.125	ug/l	93
5) Bromomethane	2.14	94	14728	5.137	ug/l	96
6) Chloroethane	2.25	64	14787	3.871	ug/l #	77
7) Trichlorofluoromethane	2.49	101	76730	5.390	ug/l	88
8) Diethyl Ether	2.80	74	11946	5.016	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.07	101	42071	4.556	ug/l	95
10) Methyl Iodide	3.21	142	44693	4.605	ug/l #	80
11) Tert butyl alcohol	3.92	59	27705	69.976	ug/l #	74
12) 1,1-Dichloroethene	3.06	96	29608	3.902	ug/l #	76
13) Acrolein	2.96	56	10794	26.753	ug/l #	80
14) Allyl chloride	3.51	41	75750	5.441	ug/l #	85
15) Acrylonitrile	4.04	53	84942	36.954	ug/l	97
16) Acetone	3.02	43	1936	1.170	ug/l	98
17) Carbon Disulfide	3.28	76	105046	4.335	ug/l	96
18) Methyl Acetate	3.53	43	24871	6.066	ug/l	94
19) Methyl tert-butyl Ether	4.07	73	165955	8.621	ug/l	93
20) Methylene Chloride	3.68	84	101739	5.921	ug/l	95
21) trans-1,2-Dichloroethene	4.05	96	81234	5.228	ug/l #	75
22) Diisopropyl ether	4.89	45	260309	5.507	ug/l #	92
23) Vinyl Acetate	4.82	43	666352	29.137	ug/l	99
24) 1,1-Dichloroethane	4.76	63	140190	5.638	ug/l	97
25) 2-Butanone	5.83	43	105146	33.212	ug/l	98
26) 2,2-Dichloropropane	5.78	77	135895	6.924	ug/l	91
27) cis-1,2-Dichloroethene	5.79	96	80184	5.083	ug/l	85
28) Bromochloromethane	6.20	49	53832	5.125	ug/l	97
29) Tetrahydrofuran	6.23	42	54847	30.560	ug/l #	87
30) Chloroform	6.41	83	154385	6.171	ug/l	97
31) Cyclohexane	6.72	56	124141	5.188	ug/l #	95
32) 1,1,1-Trichloroethane	6.63	97	137677	6.651	ug/l #	92
36) 1,1-Dichloropropene	6.90	75	119722	5.998	ug/l	96
37) Ethyl Acetate	5.93	43	49182	5.892	ug/l #	89
38) Carbon Tetrachloride	6.87	117	126783	7.200	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060754.D
 Acq On : 18 Jan 2019 10:49
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 19 02:34:25 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)

39) Methylcyclohexane	8.63	83	111681	4.906	ug/l #	79
40) Benzene	7.21	78	286607	5.559	ug/l	100
41) Methacrylonitrile	6.21	41	65562	14.200	ug/l #	77
42) 1,2-Dichloroethane	7.34	62	109516	8.560	ug/l	93
43) Isopropyl Acetate	9.00	43	81419	7.601	ug/l #	89
44) Trichloroethene	8.29	130	83966	5.503	ug/l	98
45) 1,2-Dichloropropane	8.71	63	75070	5.938	ug/l	95
46) Dibromomethane	8.82	93	46201	6.403	ug/l	90
47) Bromodichloromethane	9.14	83	113990	6.670	ug/l	99
48) Methyl methacrylate	8.88	41	48871	7.512	ug/l	92
49) 1,4-Dioxane	8.84	88	8006	132.348	ug/l #	79
51) 4-Methyl-2-Pentanone	10.06	43	241480	36.795	ug/l	89
52) Toluene	10.28	92	173981	5.383	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	112785	7.910	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	122311	6.554	ug/l	90
55) 1,1,2-Trichloroethane	10.96	97	48888	5.622	ug/l	92
56) Ethyl methacrylate	10.81	69	65469	8.106	ug/l	98
57) 1,3-Dichloropropane	11.19	76	85802	6.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.62	63	197680	41.537	ug/l	94
59) 2-Hexanone	11.32	43	172997	37.659	ug/l	89
60) Dibromochloromethane	11.46	129	79796	7.204	ug/l	93
61) 1,2-Dibromoethane	11.59	107	58673	6.505	ug/l	96
64) Tetrachloroethene	11.03	164	69194	4.892	ug/l #	87
65) Chlorobenzene	12.19	112	194466	5.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.30	131	78817	7.109	ug/l	86
67) Ethyl Benzene	12.31	91	360750	6.109	ug/l	96
68) m/p-Xylenes	12.46	106	246190	11.408	ug/l	76
69) o-Xylene	12.84	106	121886	5.953	ug/l	71
70) Styrene	12.86	104	205701	6.238	ug/l #	89
71) Bromoform	13.03	173	52994	7.241	ug/l	85
73) Isopropylbenzene	13.20	105	315103	5.636	ug/l	99
74) N-amyl acetate	13.06	43	101382	7.683	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.50	83	61529	6.789	ug/l	96
76) 1,2,3-Trichloropropane	13.53	75	67069	7.502	ug/l	97
77) Bromobenzene	13.46	156	90445	6.127	ug/l	81
78) n-propylbenzene	13.57	91	411521	5.757	ug/l	94
79) 2-Chlorotoluene	13.64	91	234017	6.113	ug/l	96
80) 1,3,5-Trimethylbenzene	14.03	105	283697	6.571	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.27	75	20804	8.421	ug/l #	88
82) 4-Chlorotoluene	13.75	91	292770	6.747	ug/l	98
83) tert-Butylbenzene	13.99	119	321569	6.545	ug/l	96
84) 1,2,4-Trimethylbenzene	14.03	105	283697	6.380	ug/l	95
85) sec-Butylbenzene	14.17	105	353181	5.894	ug/l	95
86) p-Isopropyltoluene	14.29	119	314647	6.505	ug/l	93
87) 1,3-Dichlorobenzene	14.26	146	153636	5.670	ug/l	96
88) 1,4-Dichlorobenzene	14.34	146	155594	5.827	ug/l	93
89) n-Butylbenzene	14.60	91	301225	6.094	ug/l	97
90) Hexachloroethane	14.81	117	75975	6.394	ug/l	94
91) 1,2-Dichlorobenzene	14.61	146	134732	6.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	10604	9.960	ug/l	89

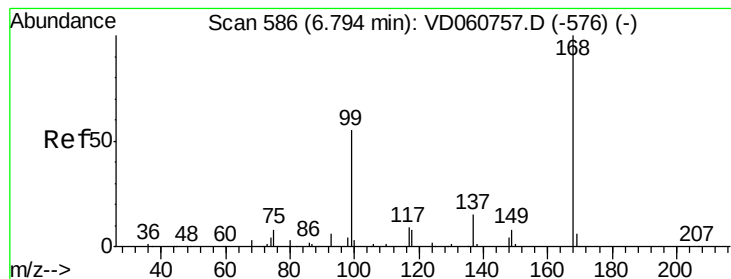
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
Data File : VD060754.D
Acq On : 18 Jan 2019 10:49
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jan 19 02:34:25 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)
93) 1,2,4-Trichlorobenzene	15.75	180	115292	6.666	ug/l	94
94) Hexachlorobutadiene	15.84	225	70162	5.488	ug/l	96
95) Naphthalene	15.92	128	167037	8.125	ug/l	97
96) 1,2,3-Trichlorobenzene	16.07	180	83057	6.143	ug/l	91

(#) = 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. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

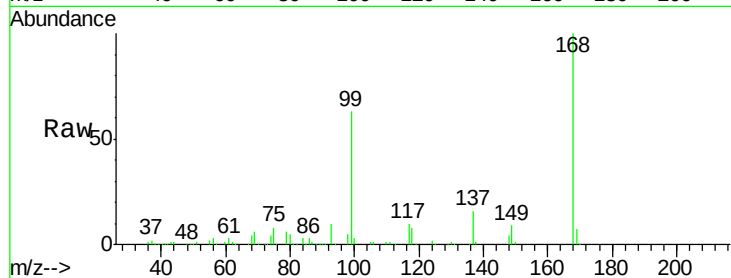
VSTDIC005

Tot Ion:168 Resp: 1370853

Ion Ratio Lower Upper

168 100

99 63.3 38.7 58.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.79

400000

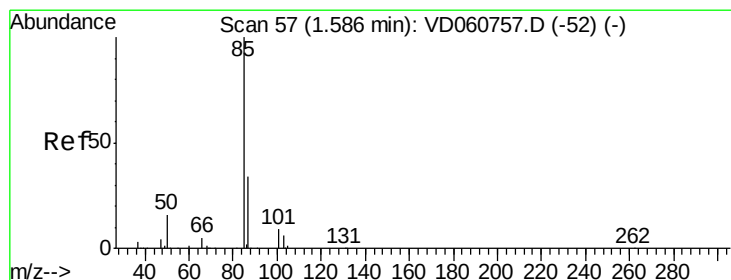
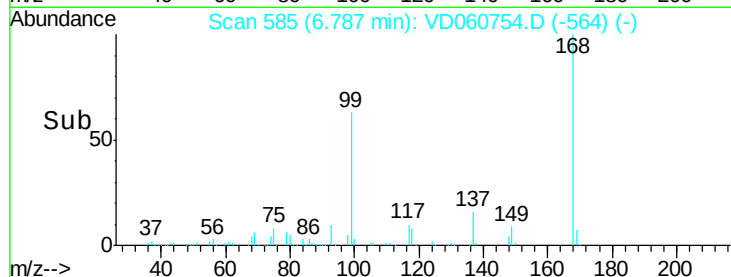
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.347 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060754.D

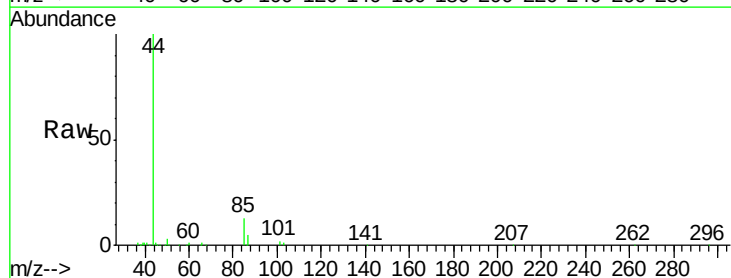
Acq: 18 Jan 2019 10:49

Tgt Ion: 85 Resp: 76134

Ion Ratio Lower Upper

85 100

87 39.2 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

20000

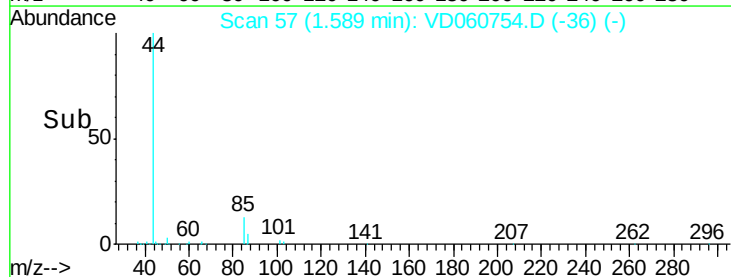
15000

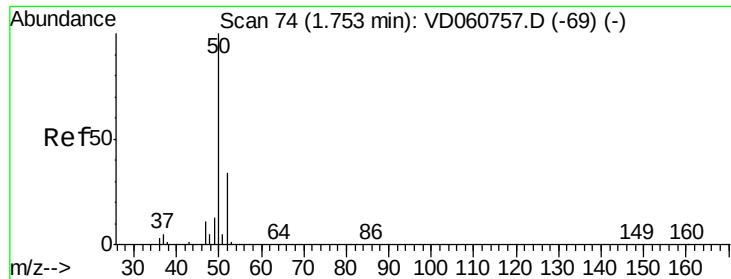
10000

5000

0

Time-->





#3

Chloromethane

Concen: 3.478 ug/l

RT: 1.77 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

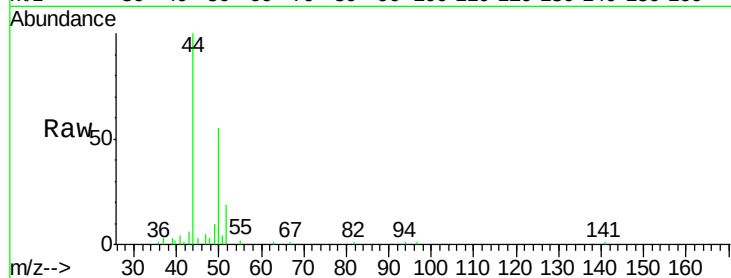
VSTDIC005

Tot Ion: 50 Resp: 56071

Ion Ratio Lower Upper

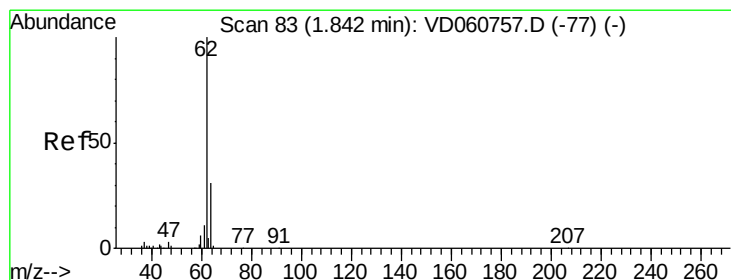
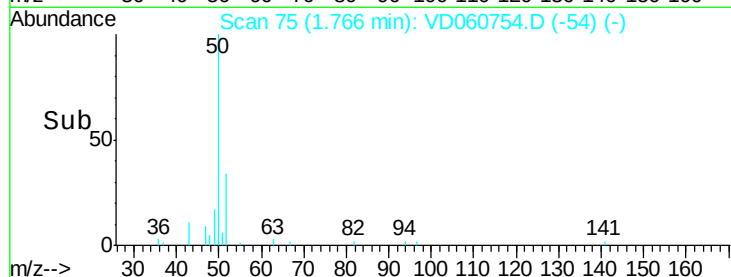
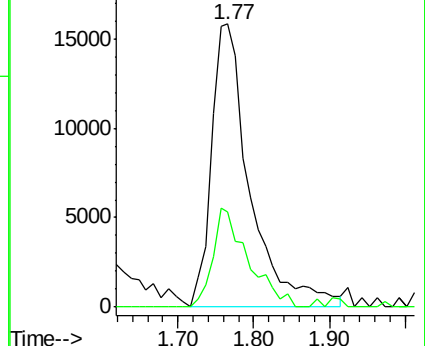
50 100

52 33.8 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: 4.125 ug/l

RT: 1.84 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD060754.D

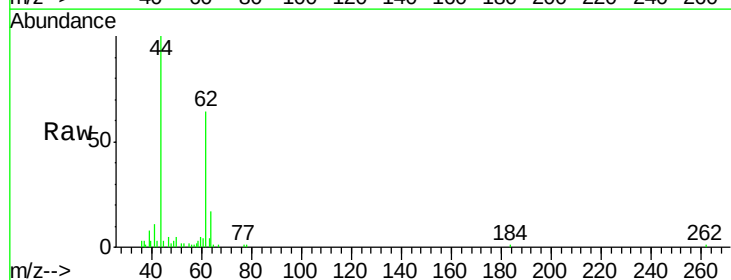
Acq: 18 Jan 2019 10:49

Tgt Ion: 62 Resp: 52799

Ion Ratio Lower Upper

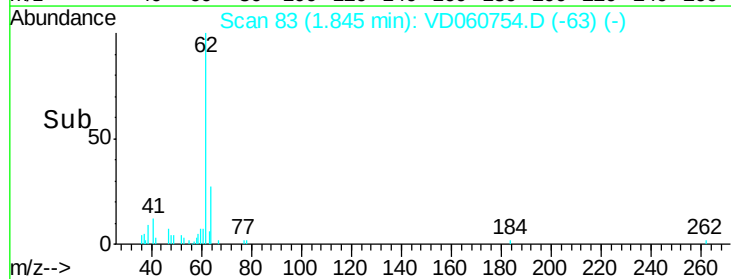
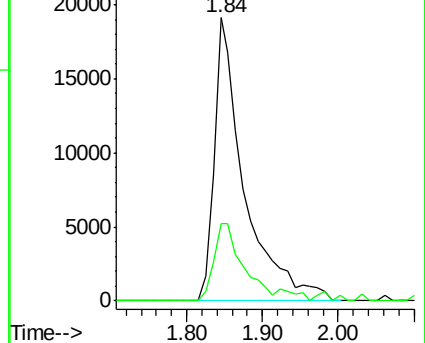
62 100

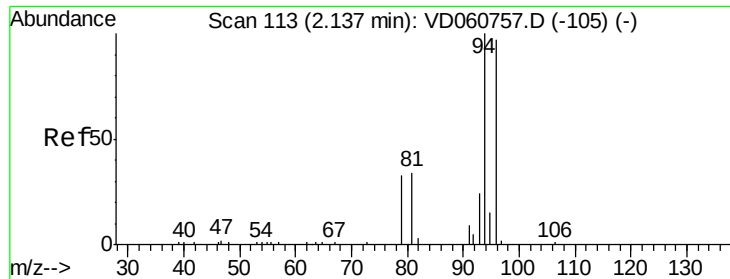
64 27.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.137 ug/l

RT: 2.14 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

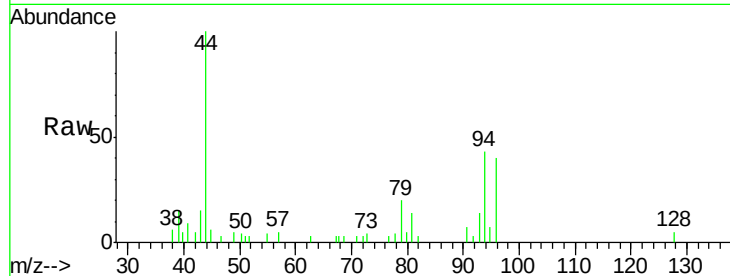
VSTDIC005

Tot Ion: 94 Resp: 14728

Ion Ratio Lower Upper

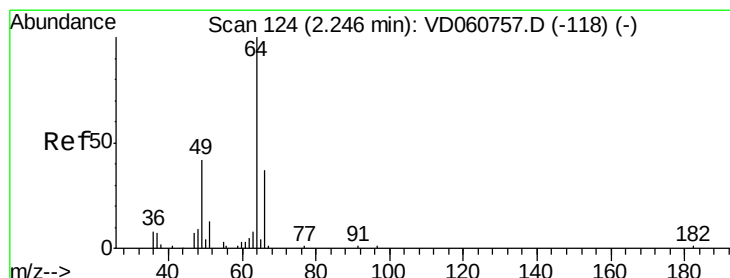
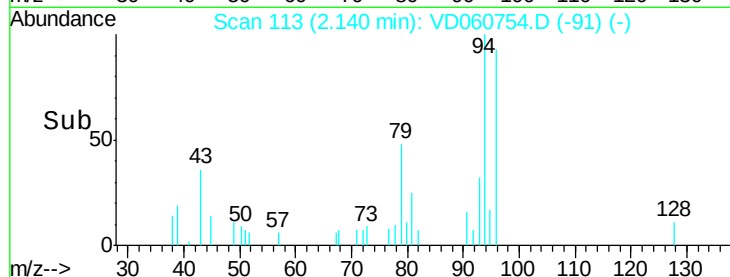
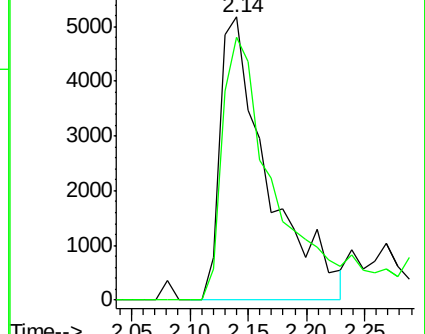
94 100

96 93.0 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: 3.871 ug/l

RT: 2.25 min Scan# 124

Delta R.T. 0.01 min

Lab File: VD060754.D

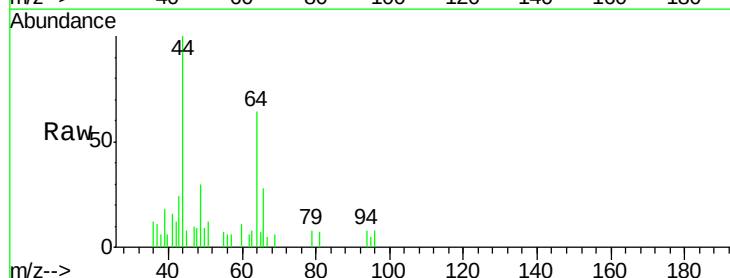
Acq: 18 Jan 2019 10:49

Tgt Ion: 64 Resp: 14787

Ion Ratio Lower Upper

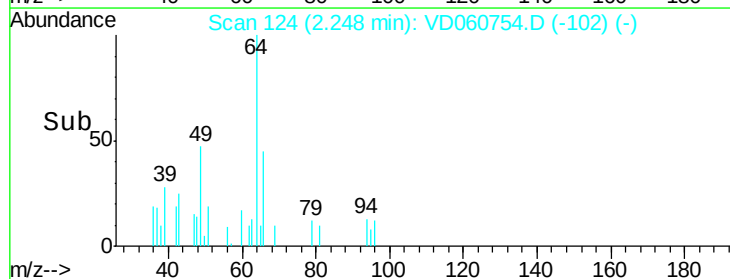
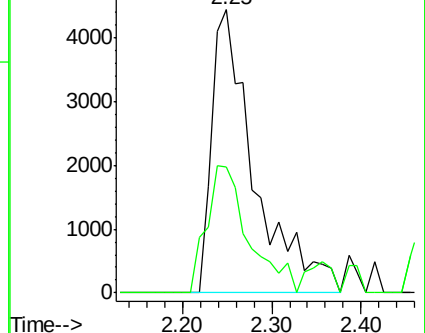
64 100

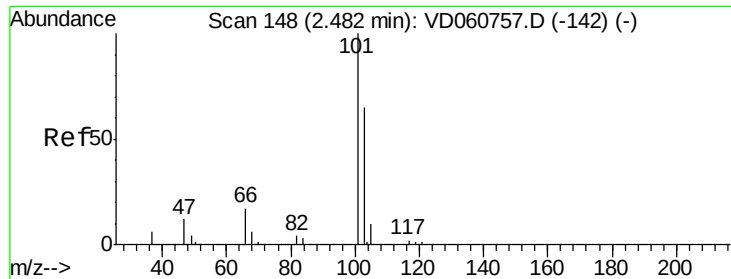
66 44.7 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



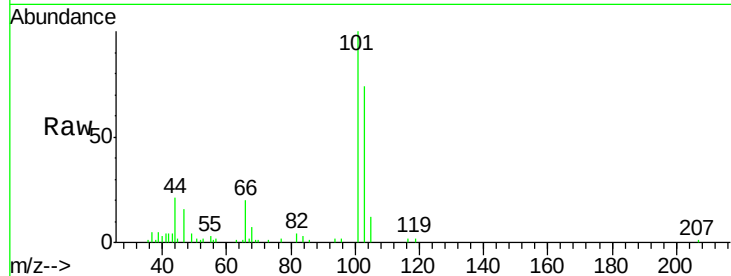


#7

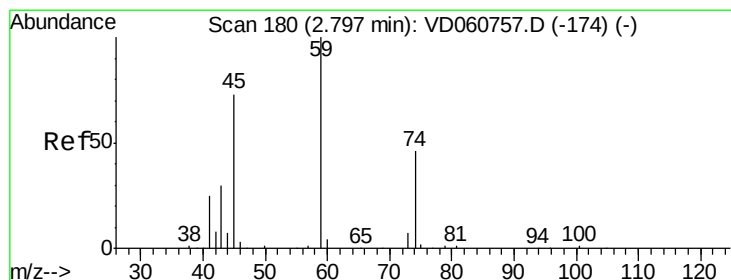
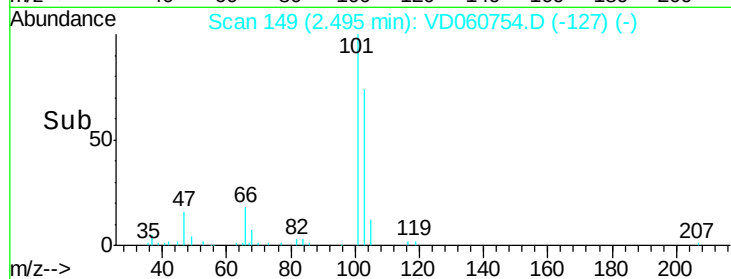
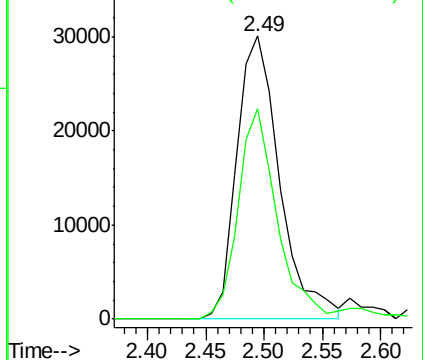
Trichlorofluoromethane
 Concen: 5.390 ug/l
 RT: 2.49 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 76730
 Ion Ratio Lower Upper
 101 100
 103 74.4 51.9 77.9



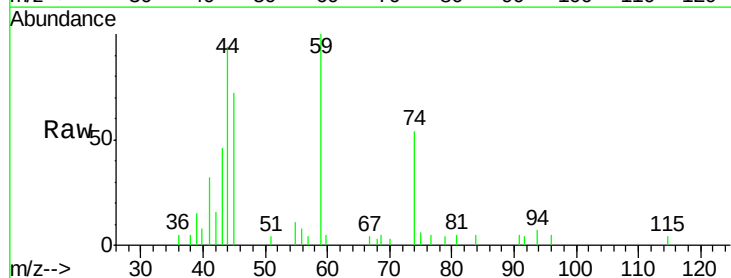
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



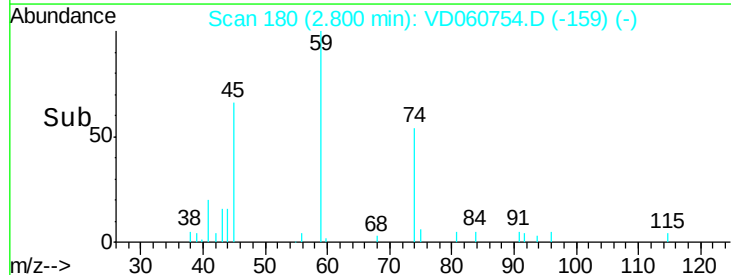
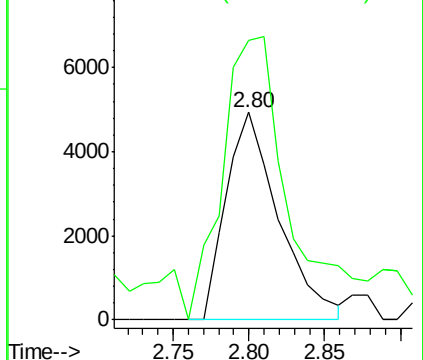
#8

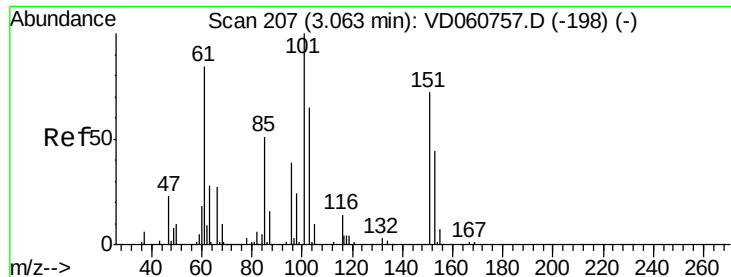
Diethyl Ether
 Concen: 5.016 ug/l
 RT: 2.80 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 74 Resp: 11946
 Ion Ratio Lower Upper
 74 100
 45 135.1 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: 4.556 ug/l

RT: 3.07 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

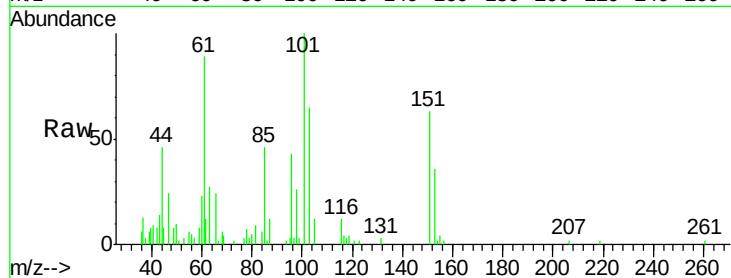
Tot Ion:101 Resp: 42071

Ion Ratio Lower Upper

101 100

85 45.9 33.4 50.0

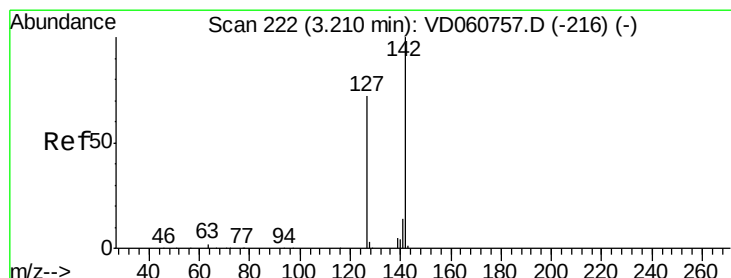
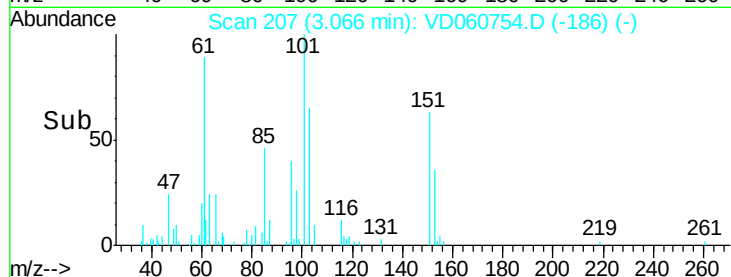
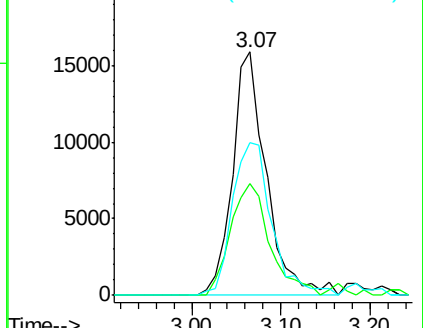
151 62.8 47.5 71.3



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: 4.605 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

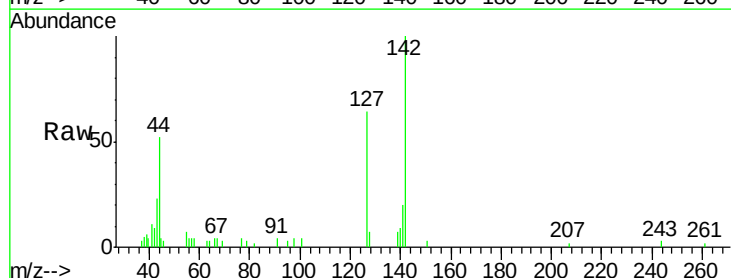
Tgt Ion:142 Resp: 44693

Ion Ratio Lower Upper

142 100

127 63.9 39.5 59.3#

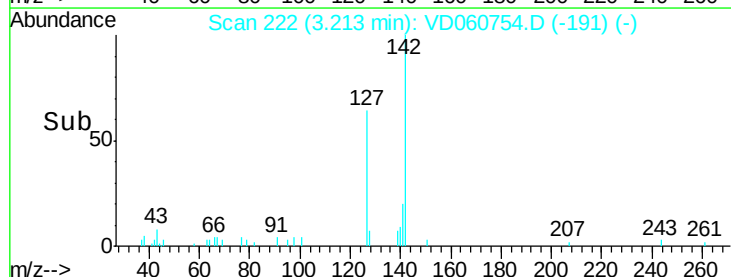
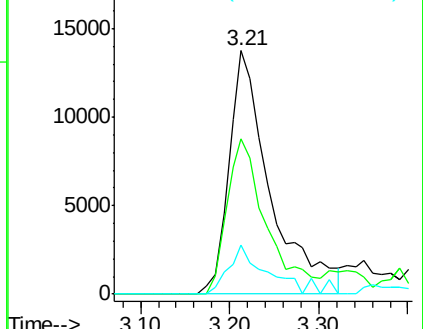
141 20.3 11.3 16.9#

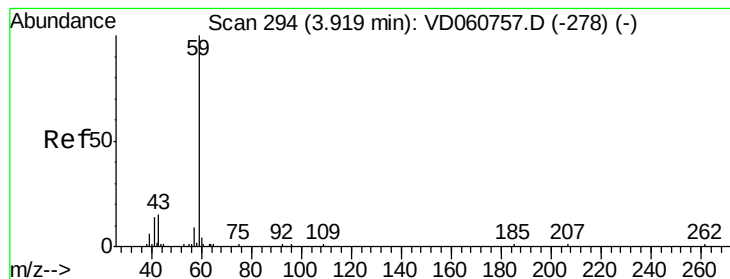


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 69.976 ug/l

RT: 3.92 min Scan# 294

Delta R.T. 0.06 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

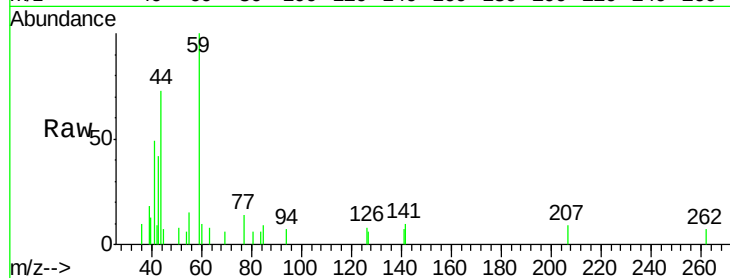
VSTDIC005

Tot Ion: 59 Resp: 27705

Ion Ratio Lower Upper

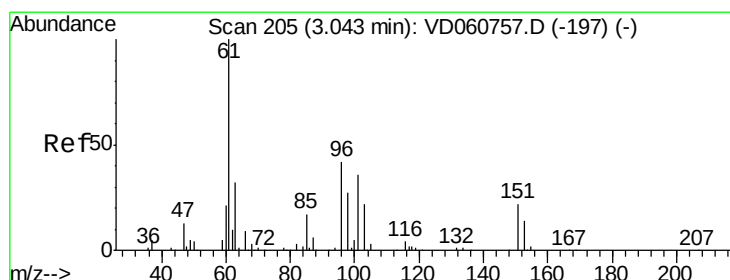
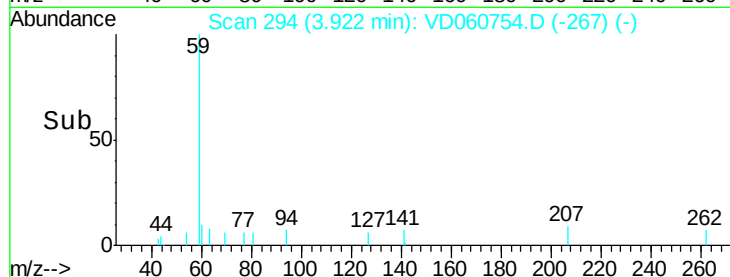
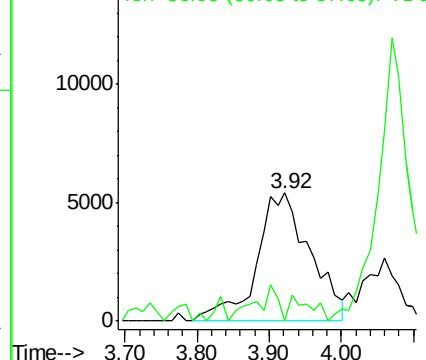
59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 3.902 ug/l

RT: 3.06 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

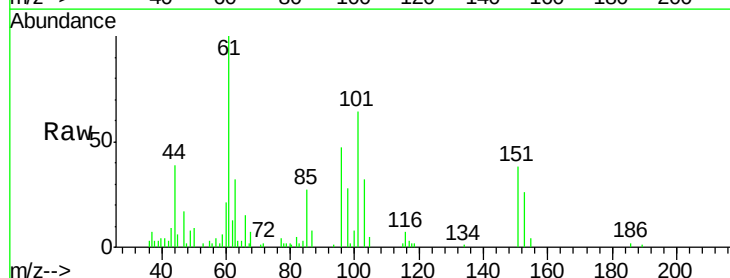
Tgt Ion: 96 Resp: 29608

Ion Ratio Lower Upper

96 100

61 212.0 136.2 204.4#

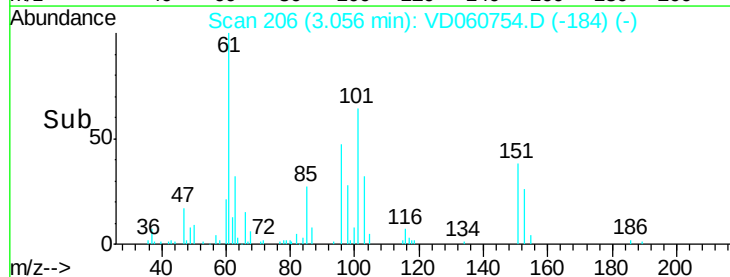
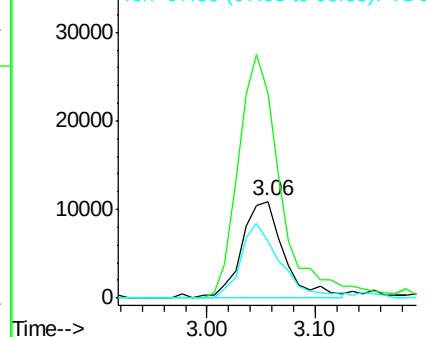
98 58.9 50.7 76.1

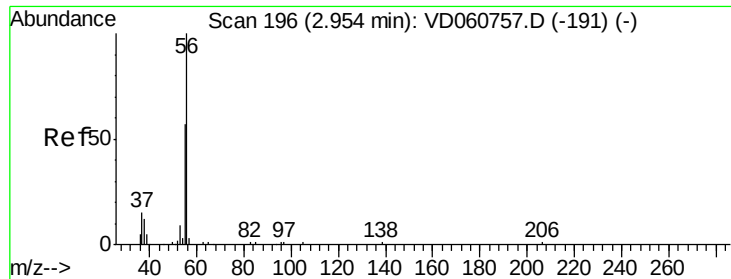


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 26.753 ug/l

RT: 2.96 min Scan# 196

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

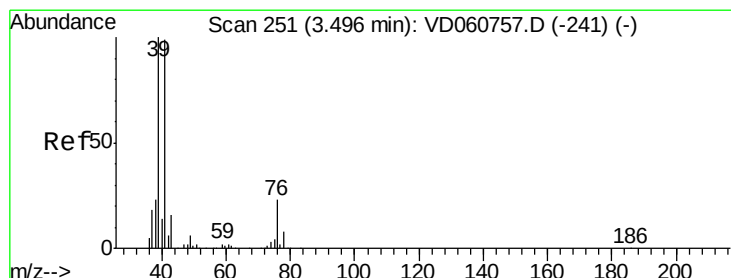
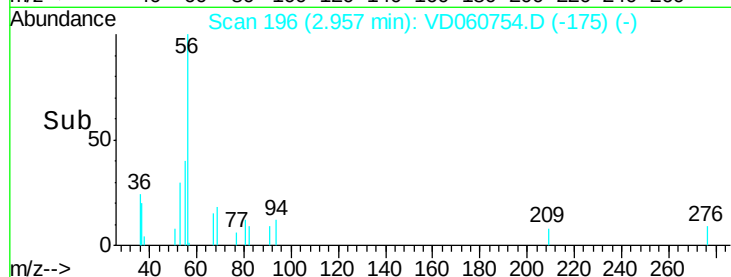
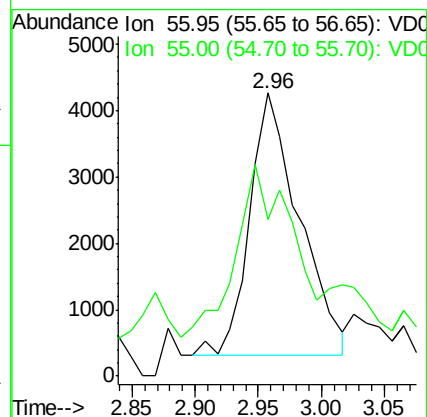
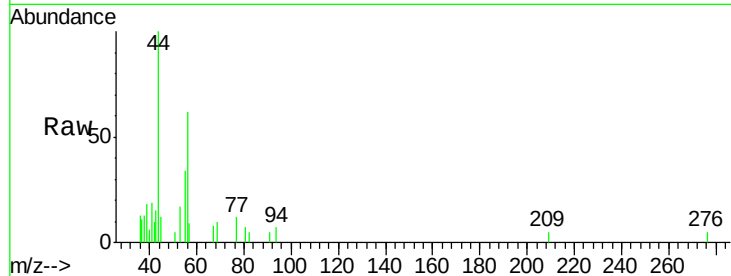
VSTDIC005

Tot Ion: 56 Resp: 10794

Ion Ratio Lower Upper

56 100

55 55.3 57.7 86.5#



#14

Allyl chloride

Concen: 5.441 ug/l

RT: 3.51 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

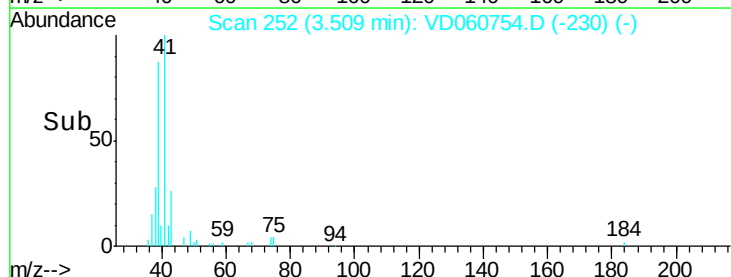
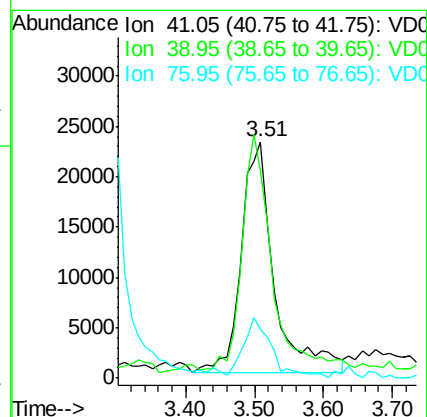
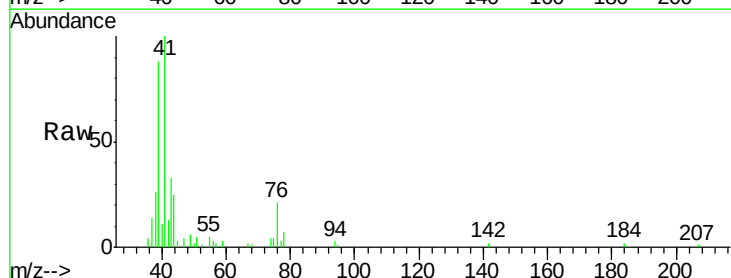
Tgt Ion: 41 Resp: 75750

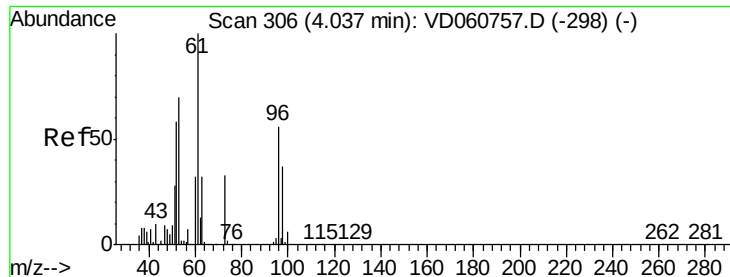
Ion Ratio Lower Upper

41 100

39 88.0 59.6 89.4

76 20.7 21.8 32.6#





#15

Acrylonitrile

Concen: 36.954 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.02 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

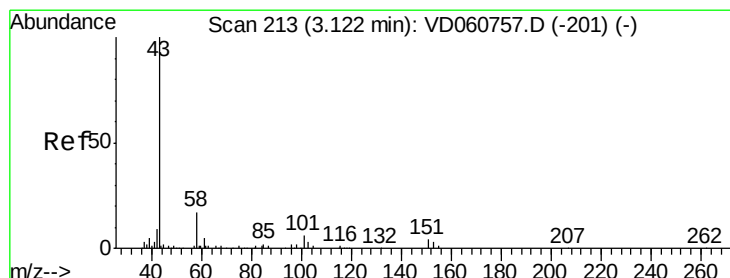
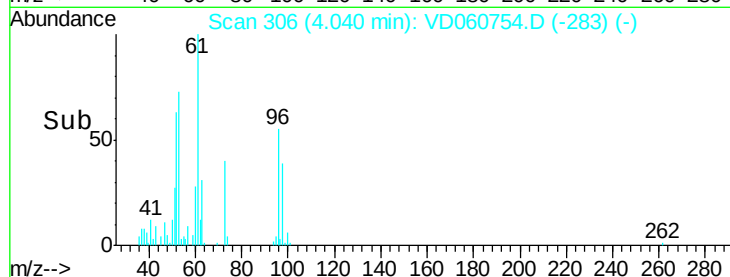
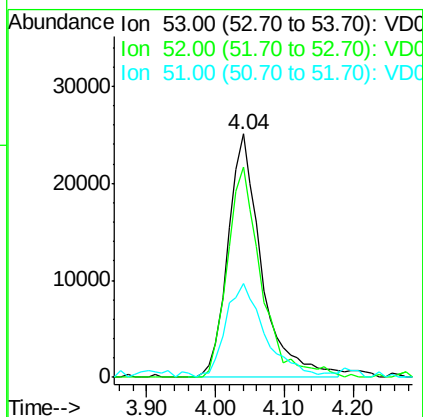
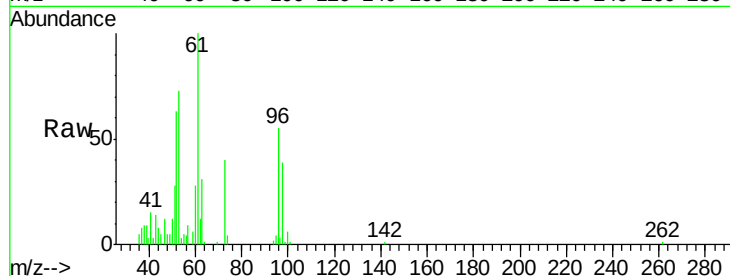
Tot Ion: 53 Resp: 84942

Ion Ratio Lower Upper

53 100

52 86.2 66.7 100.1

51 38.6 32.7 49.1



#16

Acetone

Concen: 1.170 ug/l

RT: 3.02 min Scan# 202

Delta R.T. -0.09 min

Lab File: VD060754.D

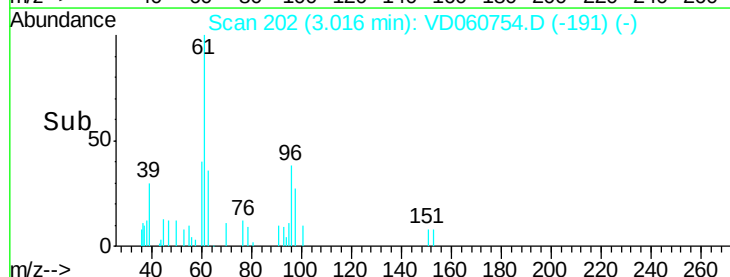
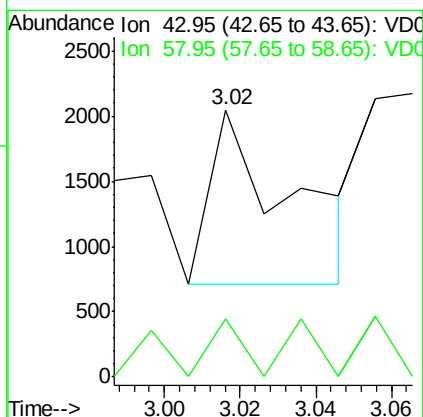
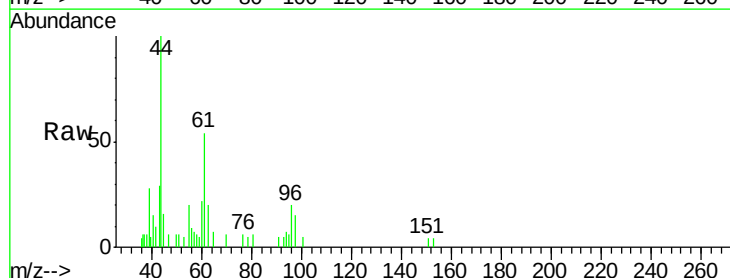
Acq: 18 Jan 2019 10:49

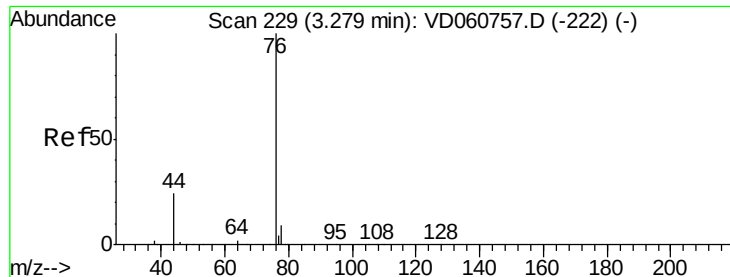
Tgt Ion: 43 Resp: 1936

Ion Ratio Lower Upper

43 100

58 21.8 18.2 27.2

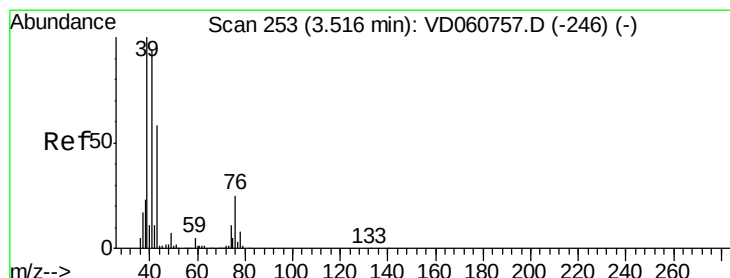
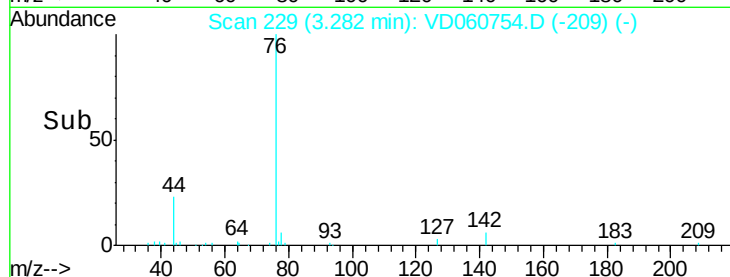
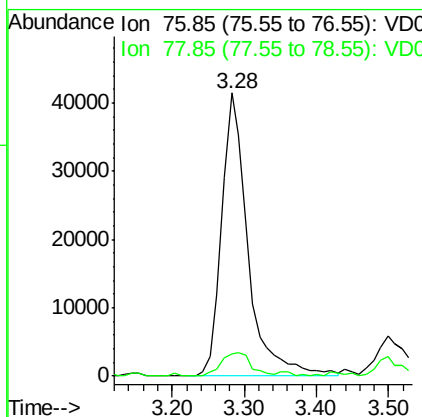
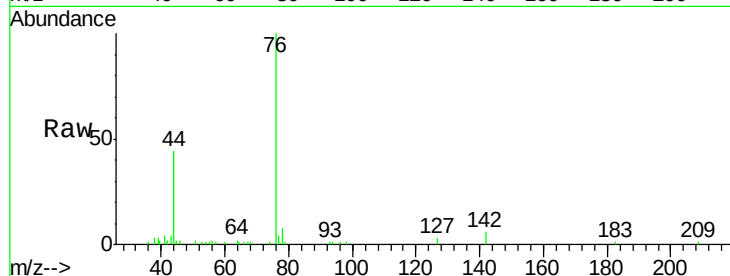




#17
Carbon Disulfide
Concen: 4.335 ug/l
RT: 3.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

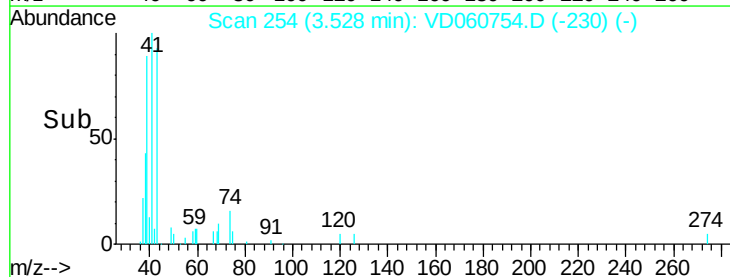
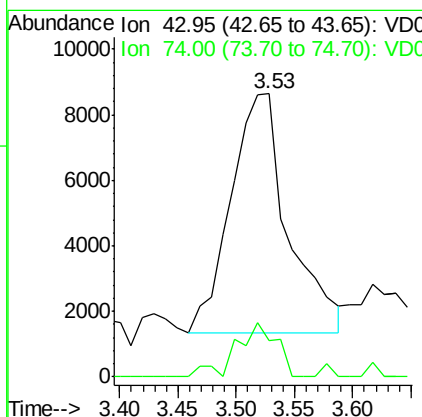
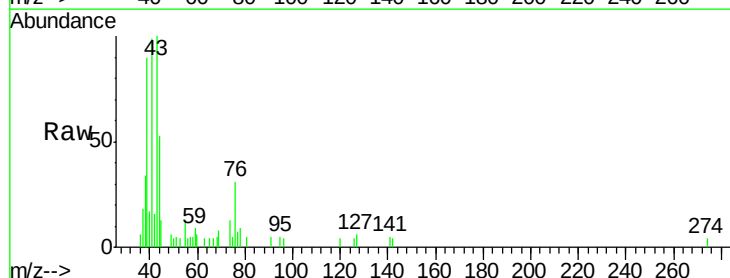
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

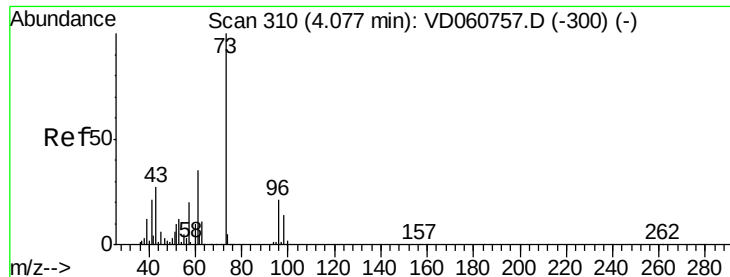
Tot Ion: 76 Resp: 105046
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0



#18
Methyl Acetate
Concen: 6.066 ug/l
RT: 3.53 min Scan# 254
Delta R.T. 0.03 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 43 Resp: 24871
Ion Ratio Lower Upper
43 100
74 13.0 12.4 18.6



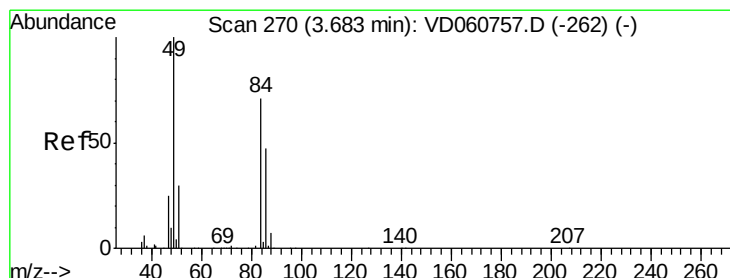
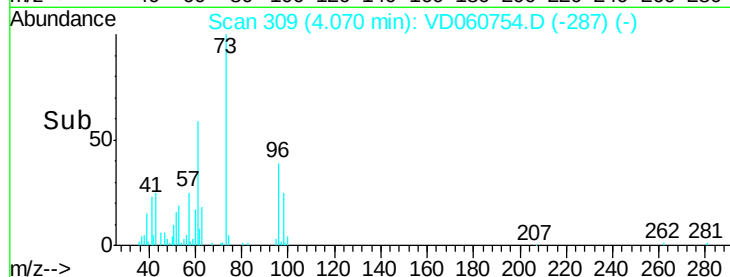
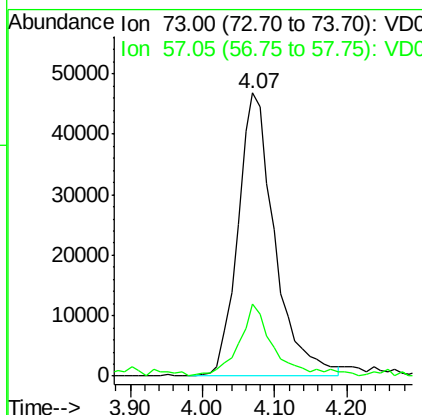
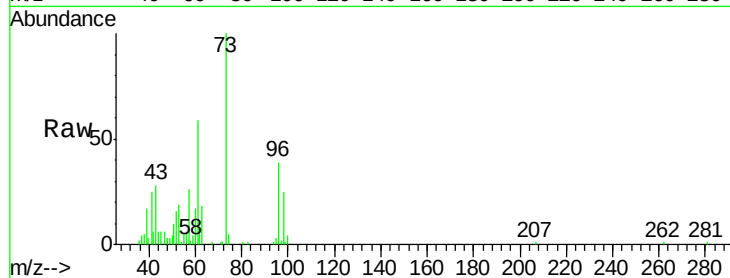


#19

Methyl tert-butyl Ether
 Concen: 8.621 ug/l
 RT: 4.07 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

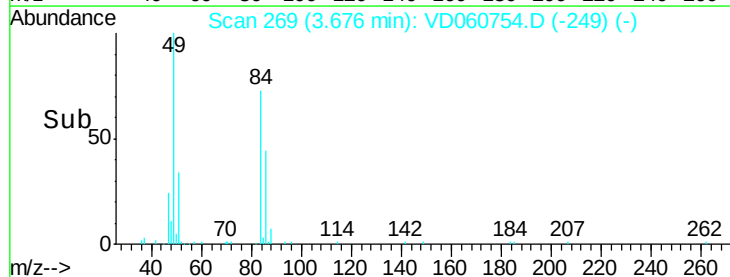
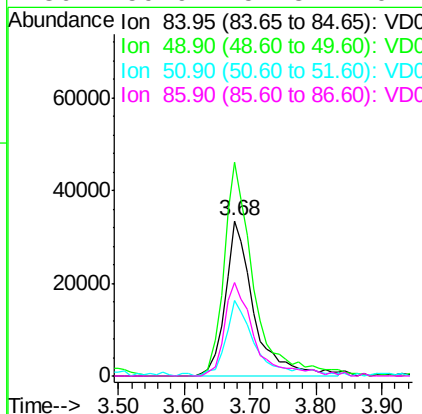
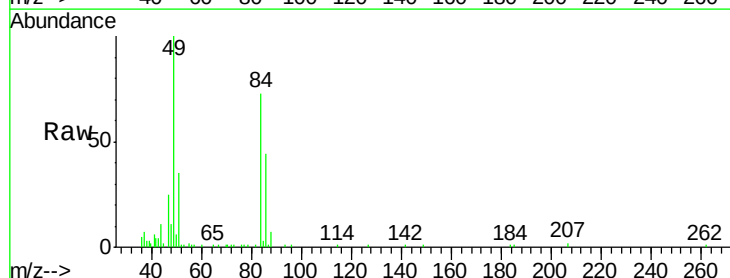
Tot Ion: 73 Resp: 165955
 Ion Ratio Lower Upper
 73 100
 57 25.5 17.6 26.4

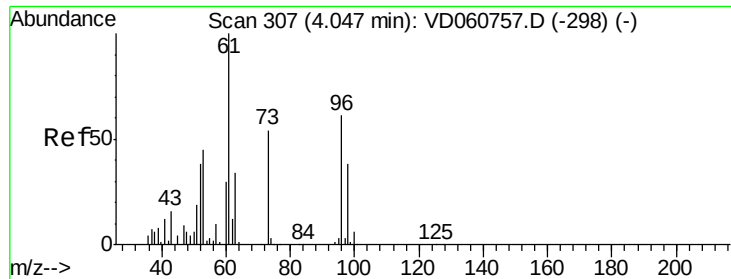


#20

Methylene Chloride
 Concen: 5.921 ug/l
 RT: 3.68 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 84 Resp: 101739
 Ion Ratio Lower Upper
 84 100
 49 137.6 113.6 170.4
 51 48.8 34.7 52.1
 86 59.9 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 5.228 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

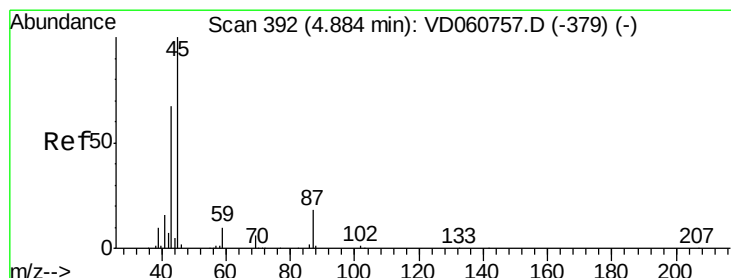
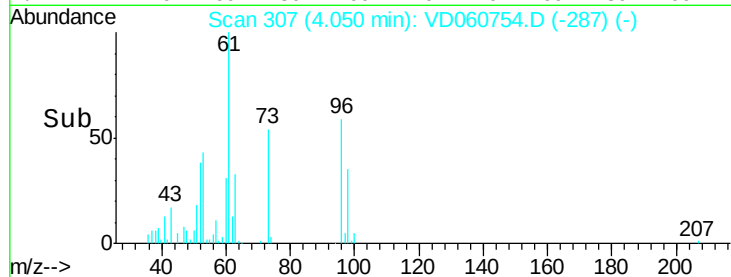
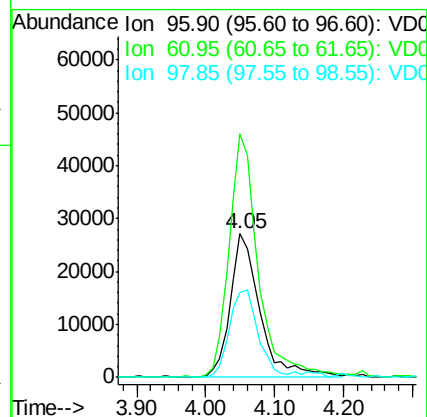
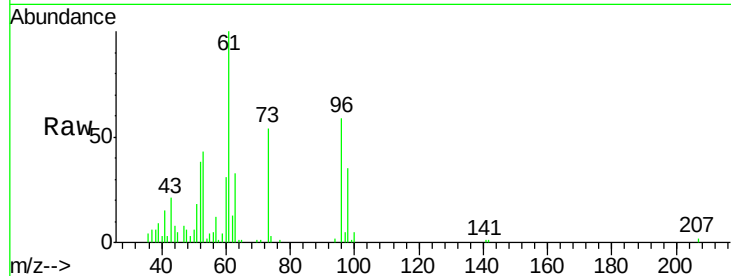
Tot Ion: 96 Resp: 81234

Ion Ratio Lower Upper

96 100

61 169.7 104.2 156.2#

98 59.2 51.2 76.8



#22

Diisopropyl ether

Concen: 5.507 ug/l

RT: 4.89 min Scan# 392

Delta R.T. 0.03 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Tgt Ion: 45 Resp: 260309

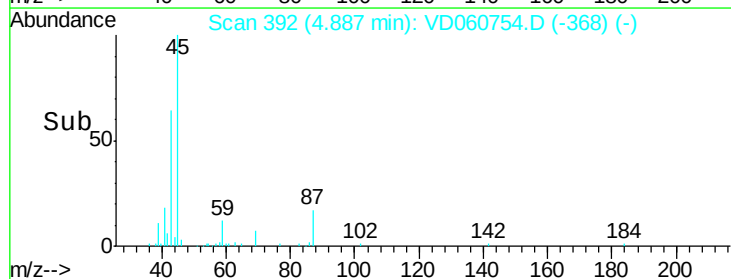
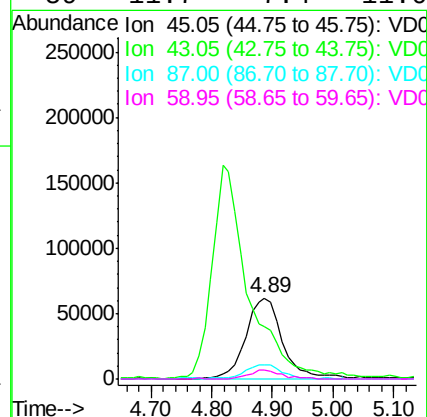
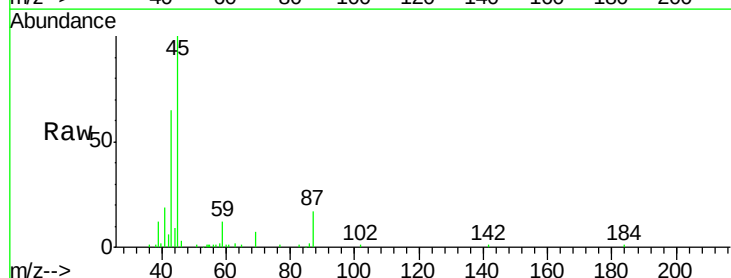
Ion Ratio Lower Upper

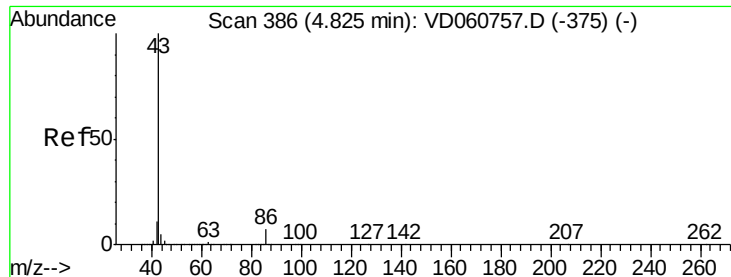
45 100

43 65.2 46.1 69.1

87 16.7 13.7 20.5

59 11.7 7.4 11.0#





#23

Vinyl Acetate

Concen: 29.137 ug/l

RT: 4.82 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

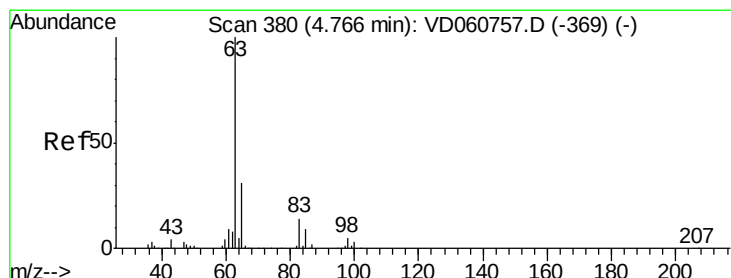
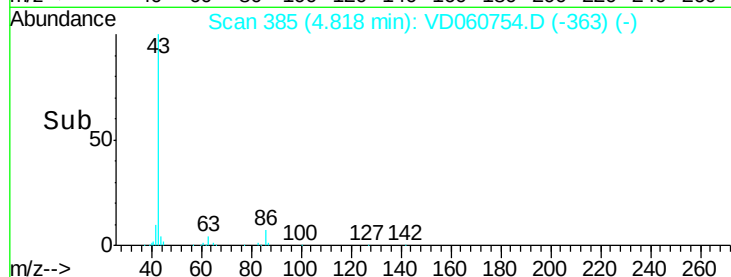
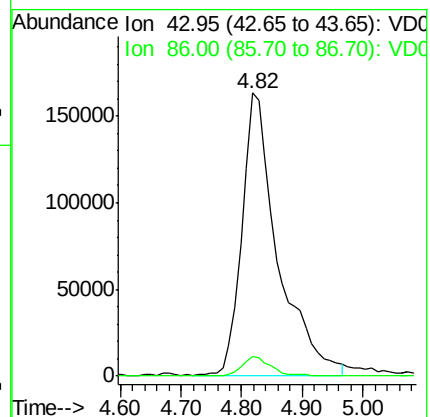
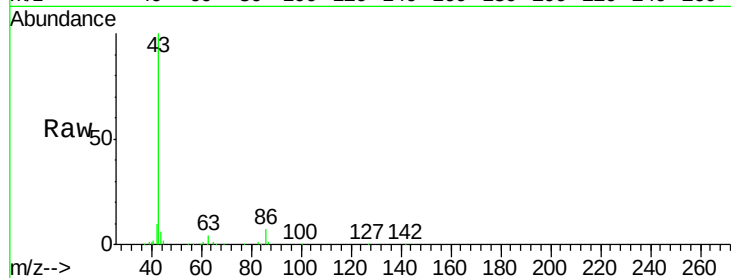
VSTDIC005

Tot Ion: 43 Resp: 666352

Ion Ratio Lower Upper

43 100

86 6.8 5.6 8.4



#24

1,1-Dichloroethane

Concen: 5.638 ug/l

RT: 4.76 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

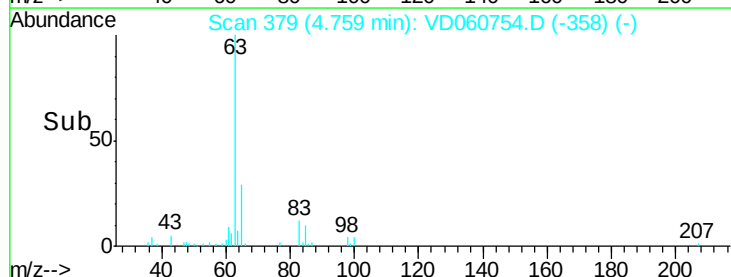
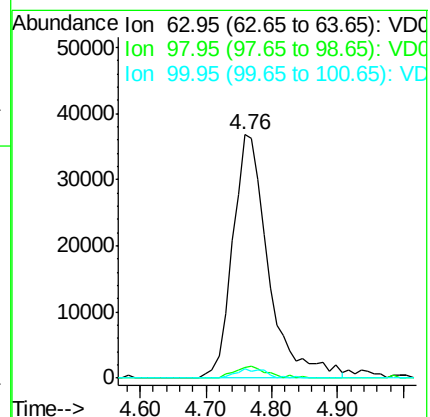
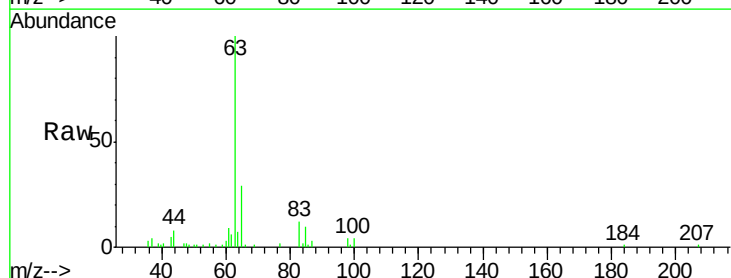
Tgt Ion: 63 Resp: 140190

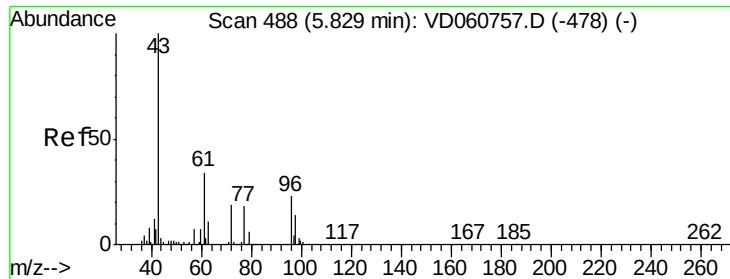
Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.7

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 33.212 ug/l

RT: 5.83 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

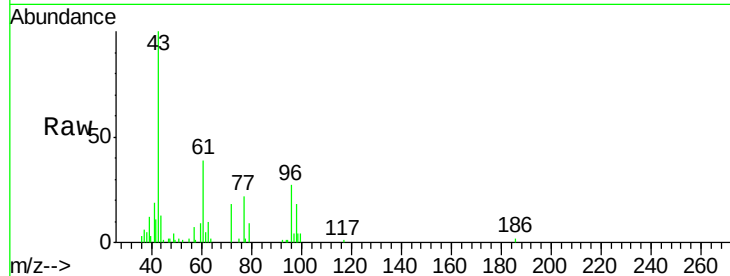
VSTDIC005

Tot Ion: 43 Resp: 105146

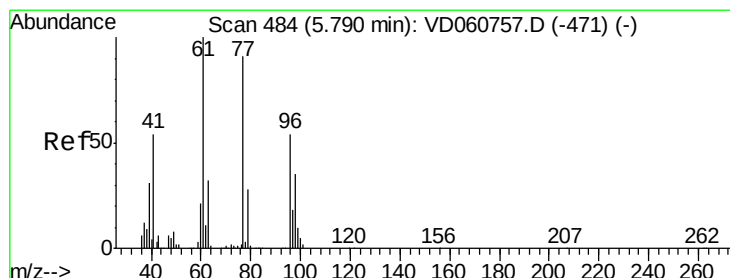
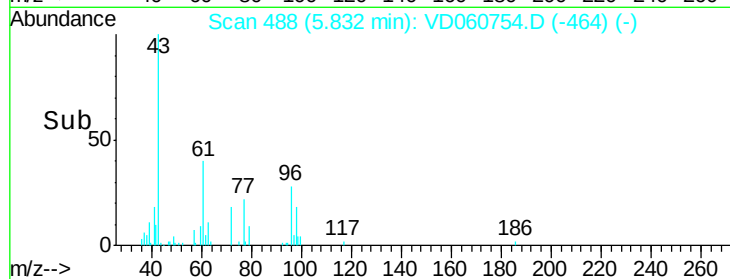
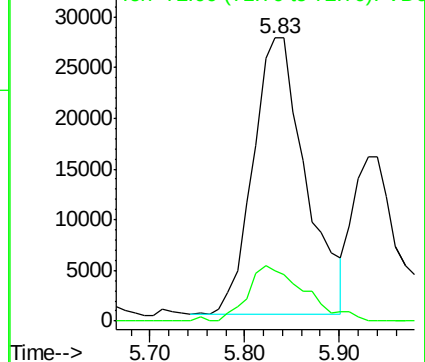
Ion Ratio Lower Upper

43 100

72 17.8 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 6.924 ug/l

RT: 5.78 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD060754.D

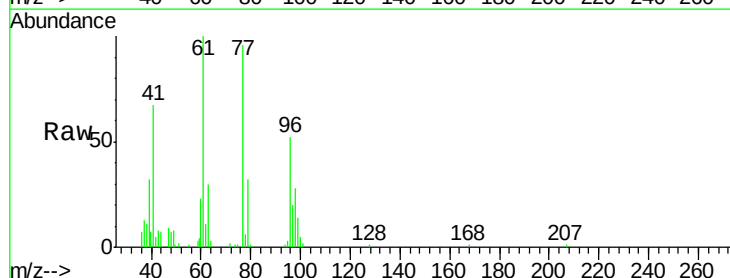
Acq: 18 Jan 2019 10:49

Tgt Ion: 77 Resp: 135895

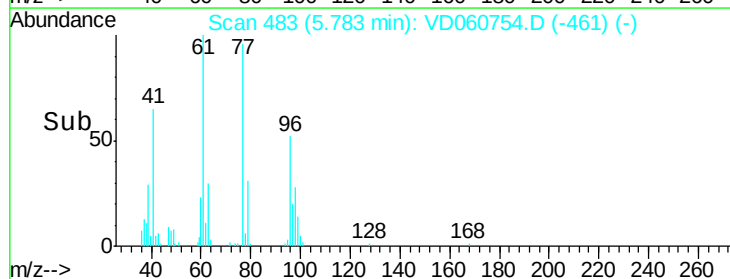
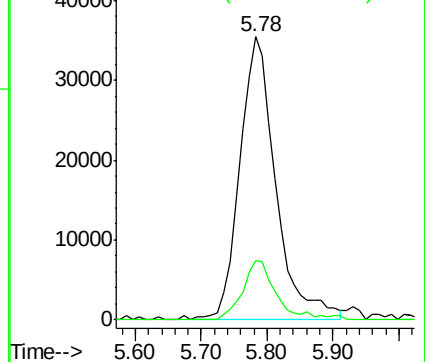
Ion Ratio Lower Upper

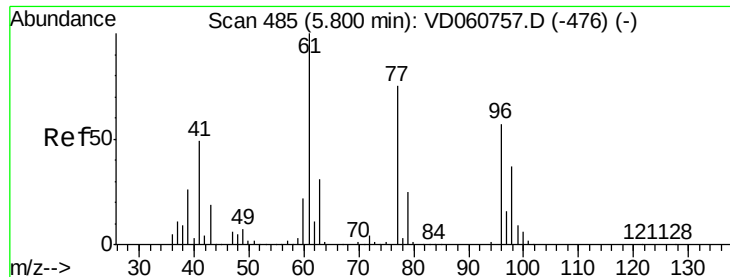
77 100

97 21.2 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



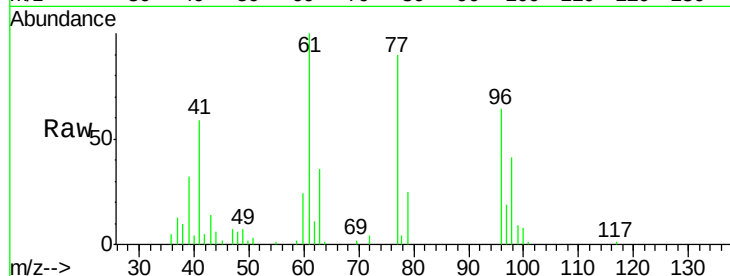


#27

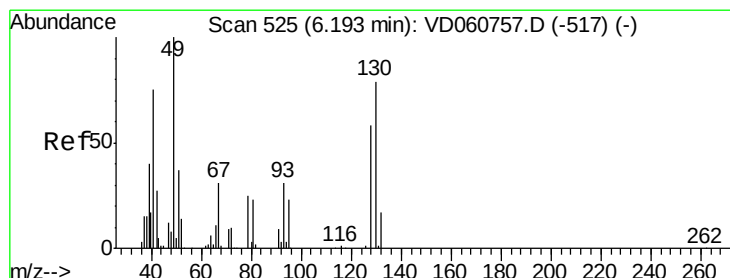
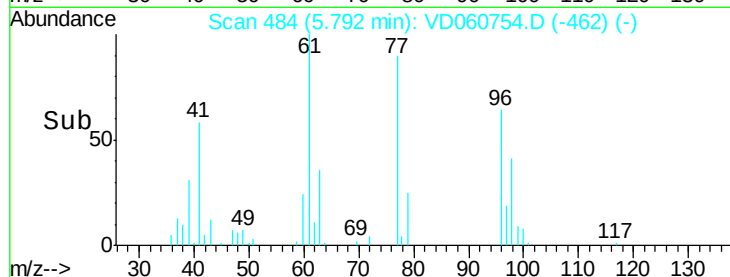
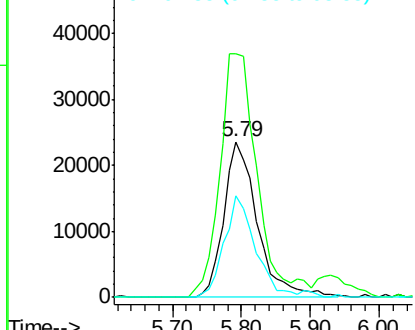
cis-1,2-Dichloroethene
 Concen: 5.083 ug/l
 RT: 5.79 min Scan# 484
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	259.4
98	64.9	0.0	130.0



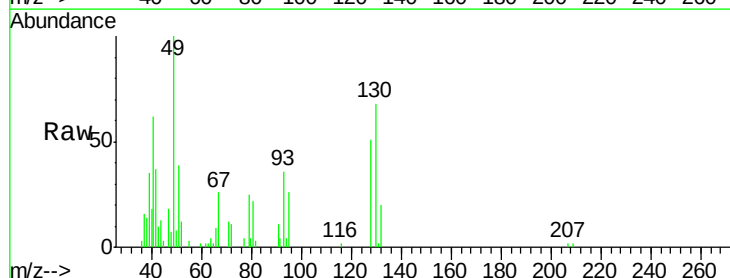
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



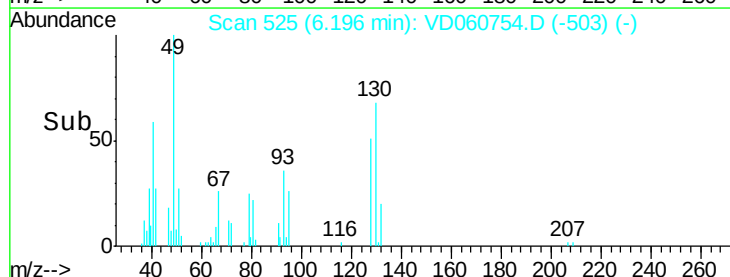
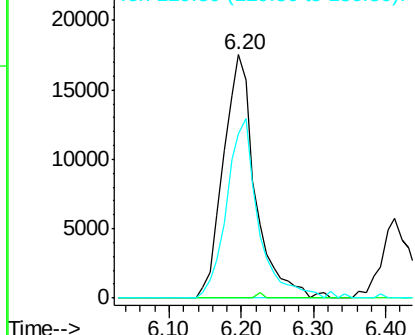
#28

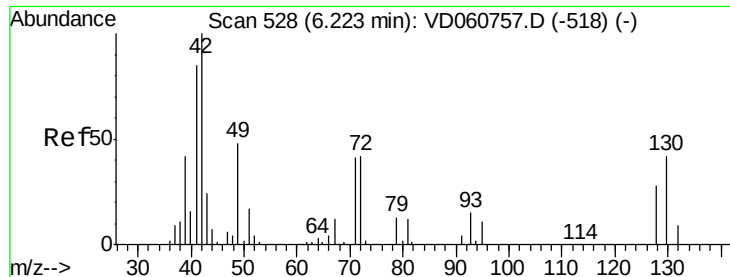
Bromochloromethane
 Concen: 5.125 ug/l
 RT: 6.20 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	67.6	56.2	84.2



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





#29

Tetrahydrofuran

Concen: 30.560 ug/l

RT: 6.23 min Scan# 528

Delta R.T. 0.03 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

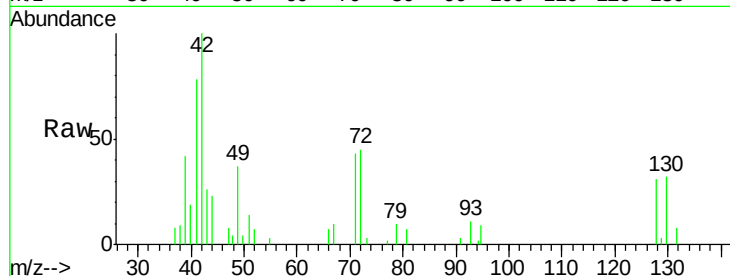
Tot Ion: 42 Resp: 54847

Ion Ratio Lower Upper

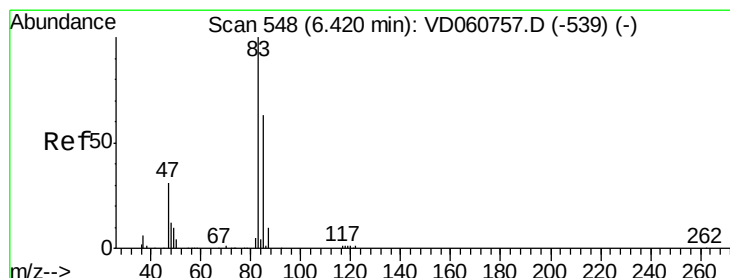
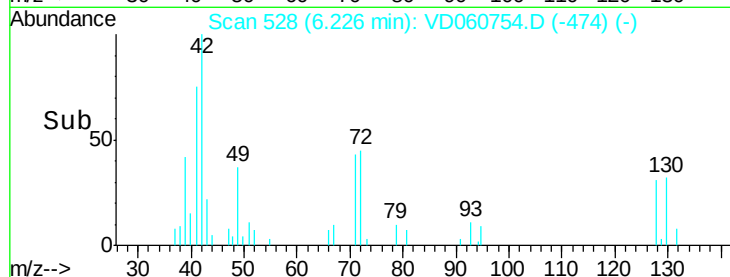
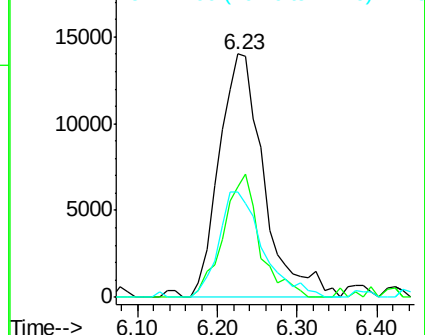
42 100

72 41.2 28.0 42.0

71 42.5 27.0 40.6#



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



#30

Chloroform

Concen: 6.171 ug/l

RT: 6.41 min Scan# 547

Delta R.T. 0.01 min

Lab File: VD060754.D

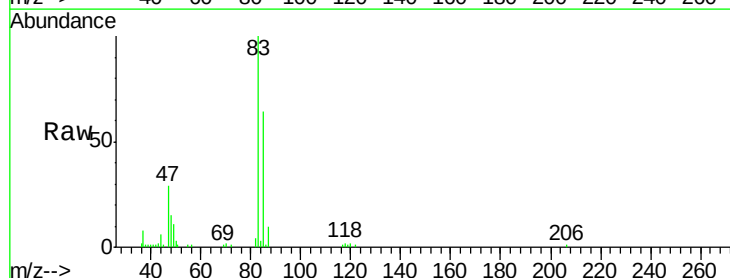
Acq: 18 Jan 2019 10:49

Tgt Ion: 83 Resp: 154385

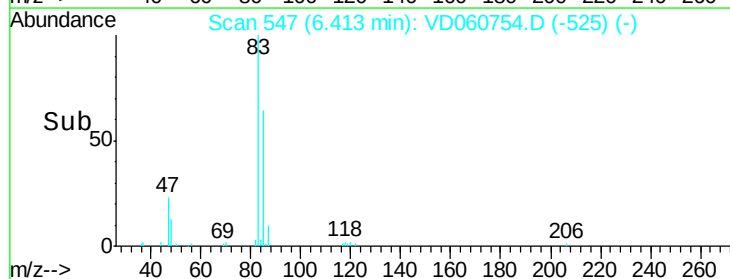
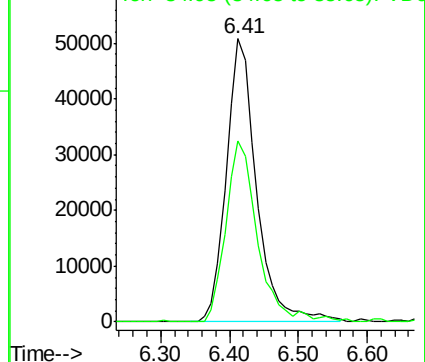
Ion Ratio Lower Upper

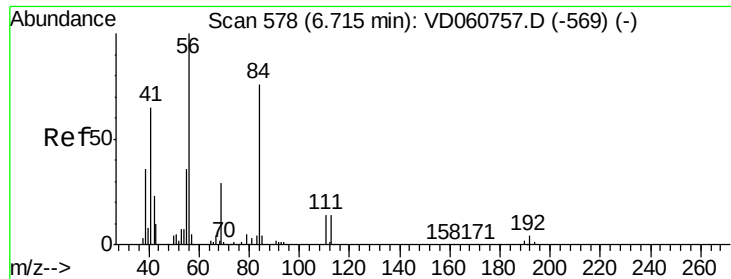
83 100

85 63.9 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

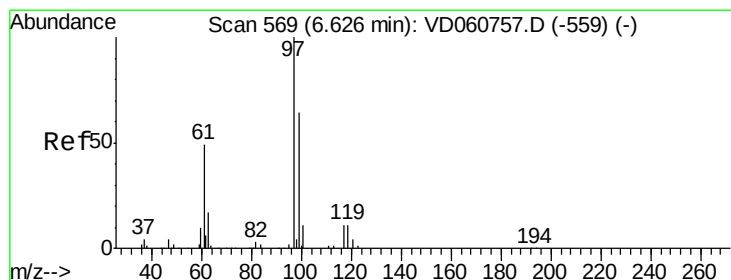
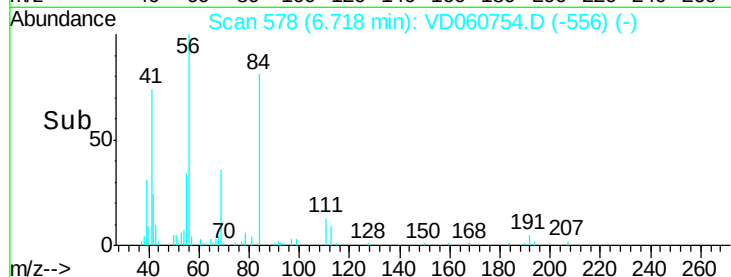
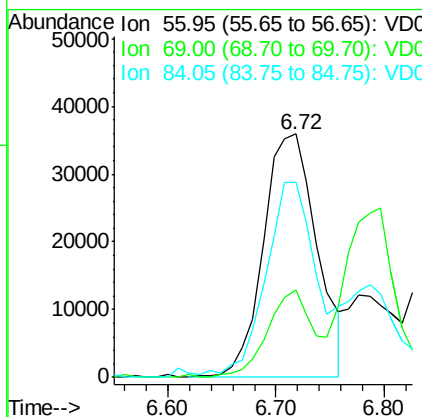
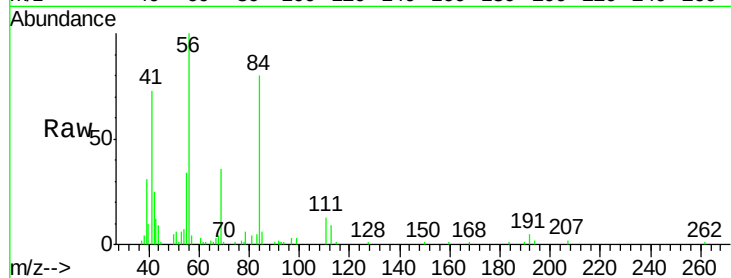




#31
Cyclohexane
Concen: 5.188 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

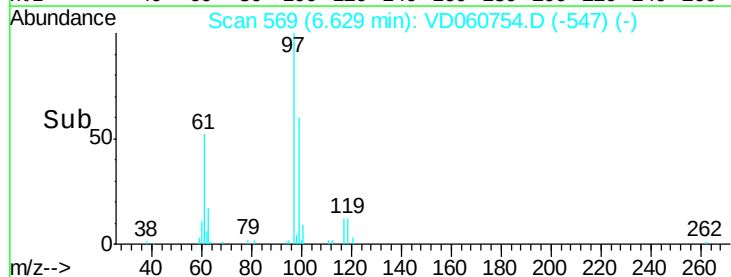
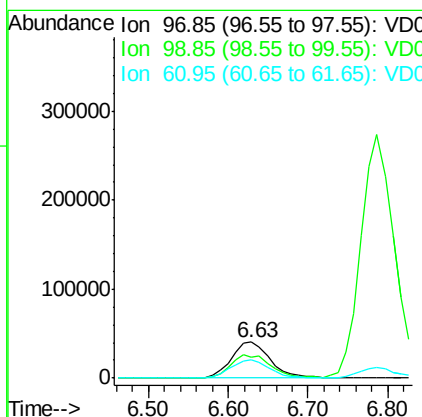
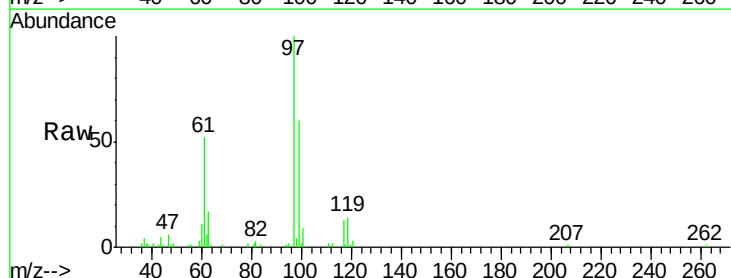
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

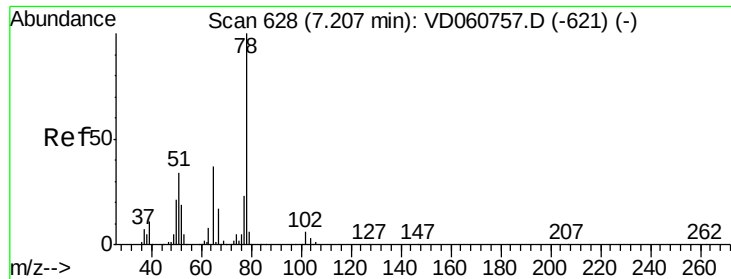
Tot Ion: 56 Resp: 124141
Ion Ratio Lower Upper
56 100
69 35.8 23.6 35.4#
84 80.2 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 6.651 ug/l
RT: 6.63 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 97 Resp: 137677
Ion Ratio Lower Upper
97 100
99 60.0 50.5 75.7
61 52.4 34.6 51.8#

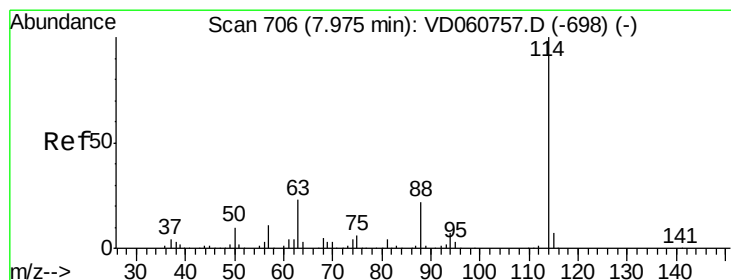
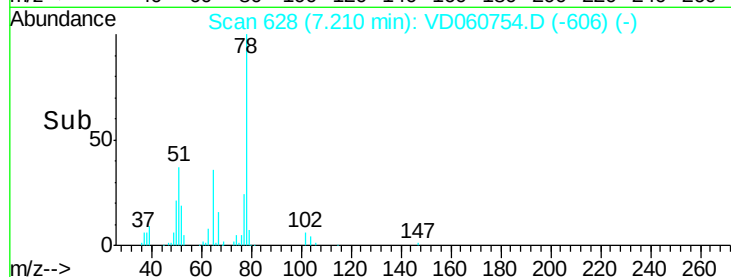
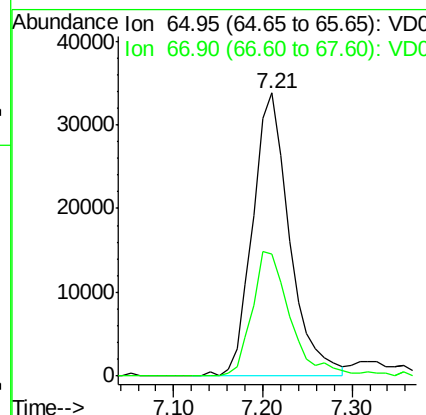
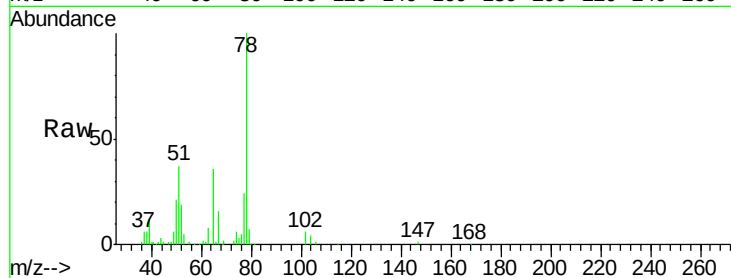




#33
 1,2-Dichloroethane-d4
 Concen: 6.651 ug/l
 RT: 7.21 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

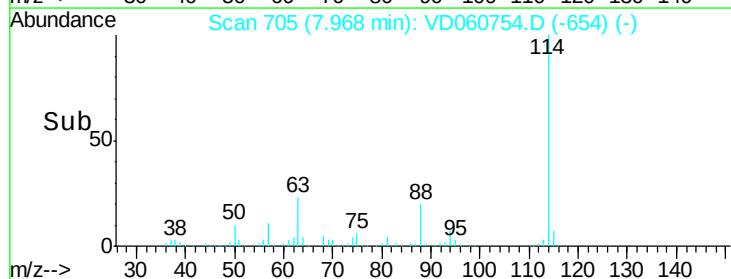
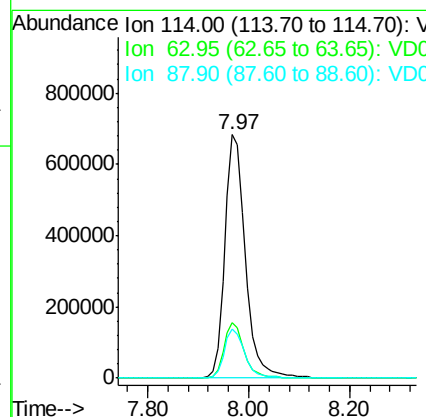
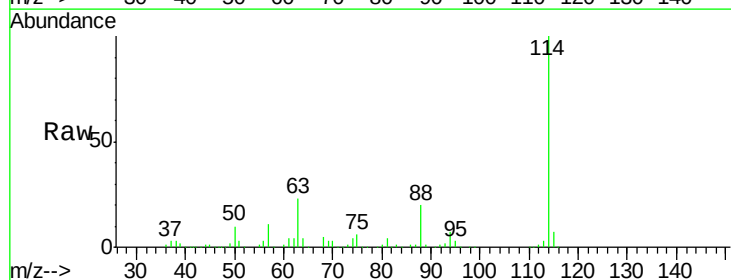
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

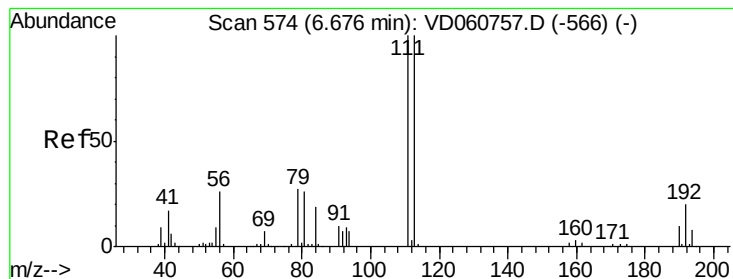
Tot Ion: 65 Resp: 96573
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 114 Resp: 1938254
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 36.2
 88 20.1 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

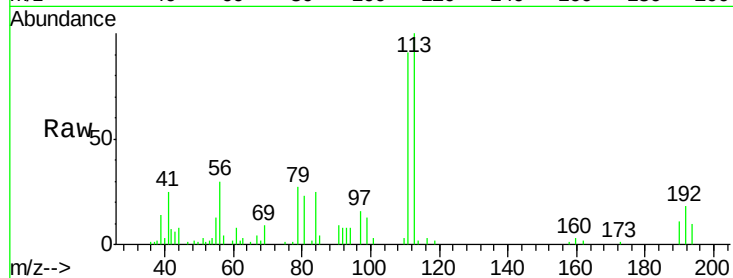
Tot Ion:113 Resp: 91345

Ion Ratio Lower Upper

113 100

111 90.5 80.0 120.0

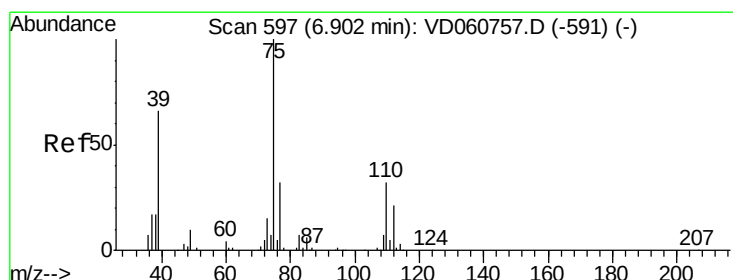
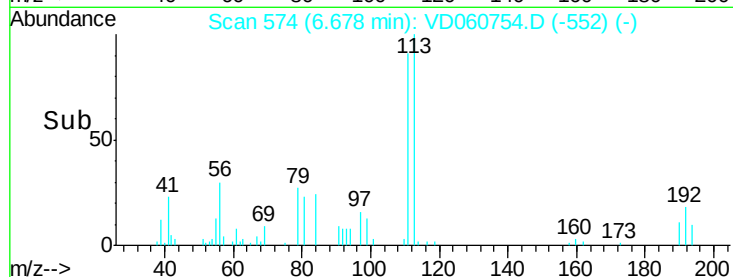
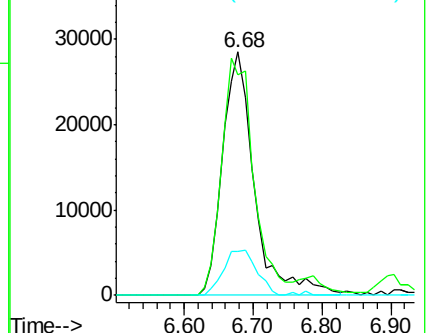
192 18.1 16.6 25.0



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: 5.998 ug/l

RT: 6.90 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

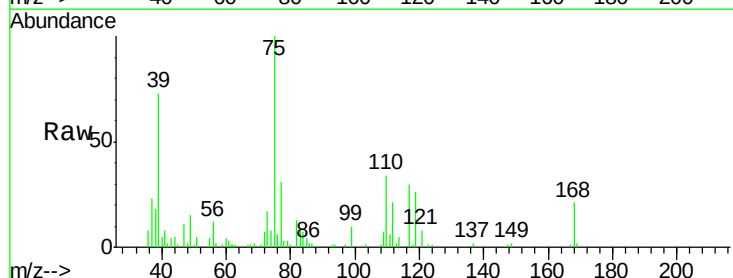
Tgt Ion: 75 Resp: 119722

Ion Ratio Lower Upper

75 100

110 34.0 18.9 56.7

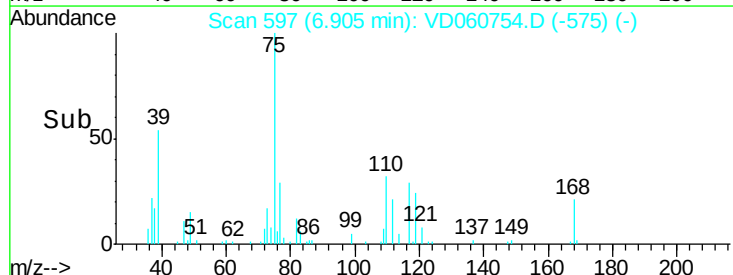
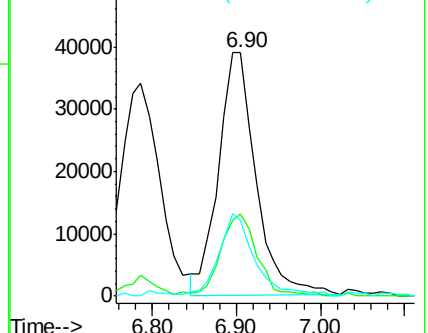
77 31.2 25.4 38.0

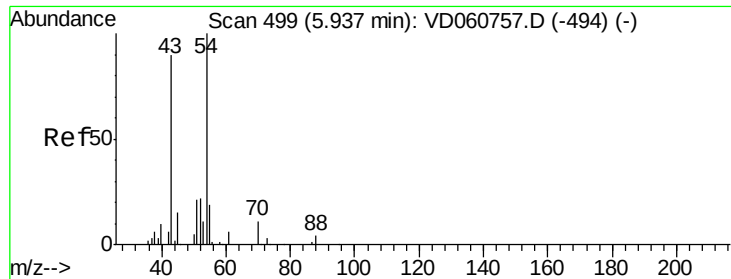


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

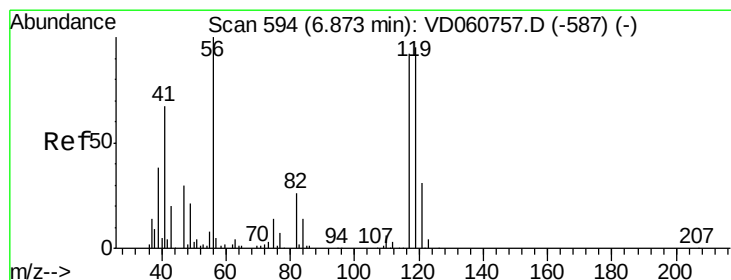
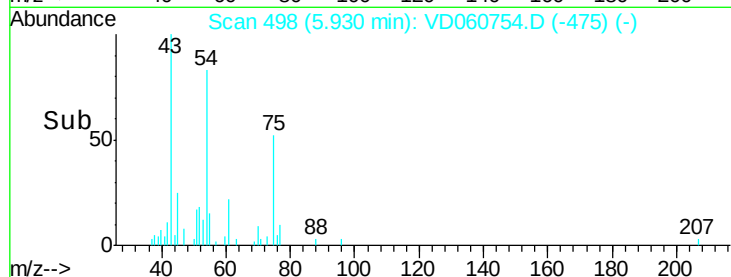
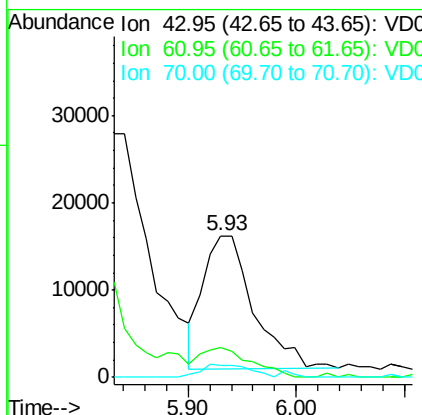
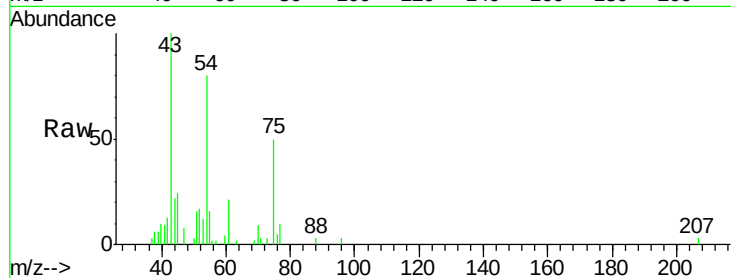




#37
Ethyl Acetate
Concen: 5.892 ug/l
RT: 5.93 min Scan# 498
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

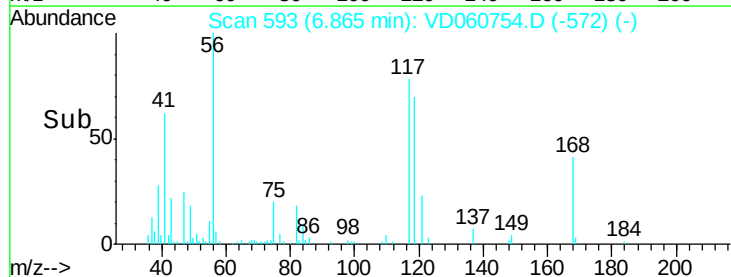
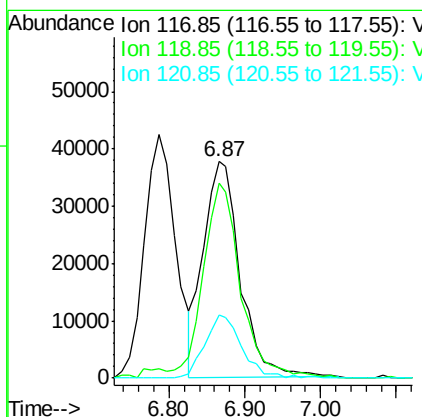
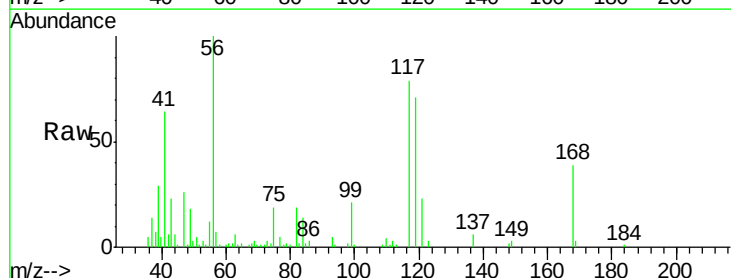
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

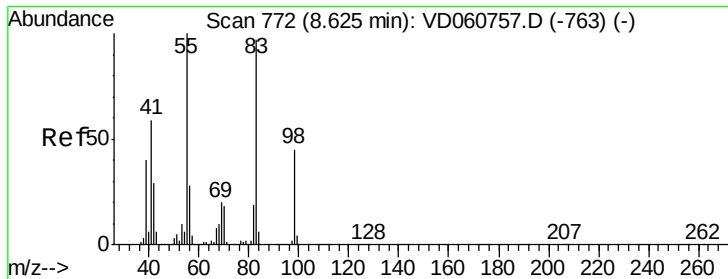
Tot Ion: 43 Resp: 49182
Ion Ratio Lower Upper
43 100
61 20.8 11.8 17.6#
70 8.7 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 7.200 ug/l
RT: 6.87 min Scan# 593
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 117 Resp: 126783
Ion Ratio Lower Upper
117 100
119 90.3 77.0 115.4
121 29.1 24.7 37.1

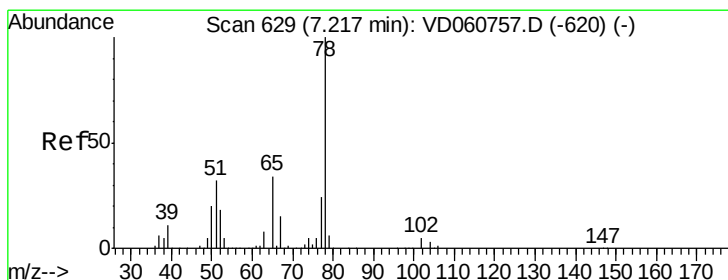
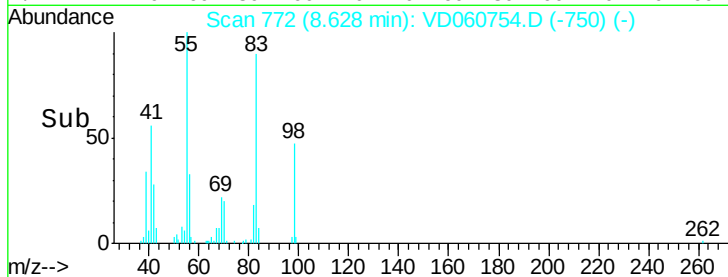
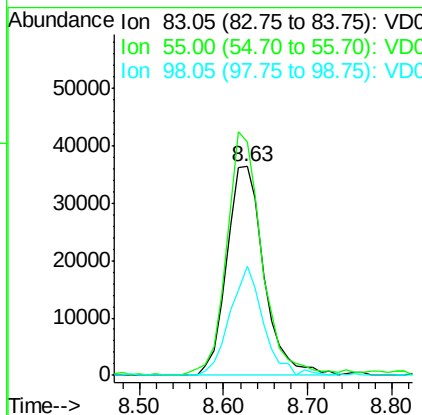
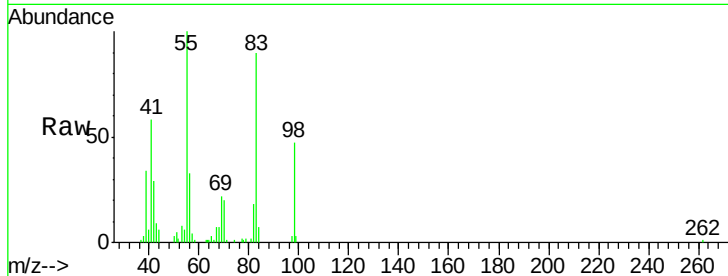




#39
Methylvlcyclohexane
Concen: 4.906 ug/l
RT: 8.63 min Scan# 772
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

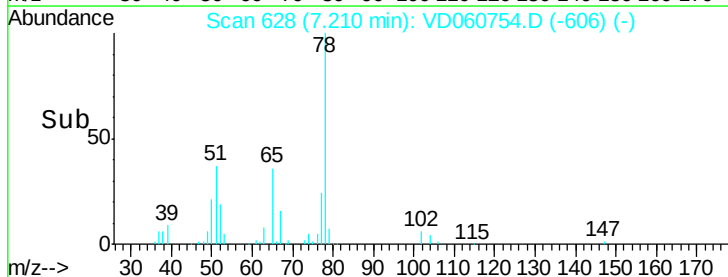
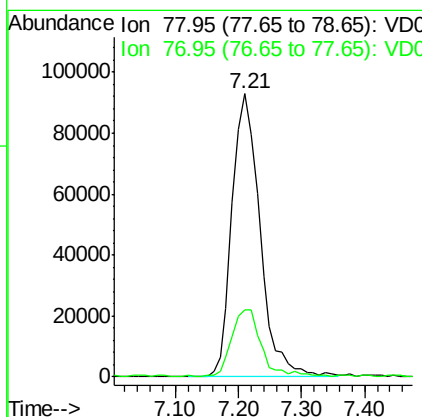
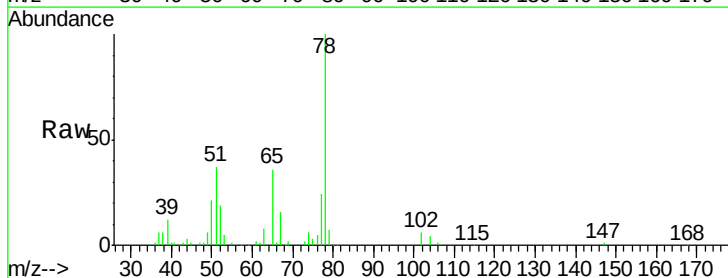
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

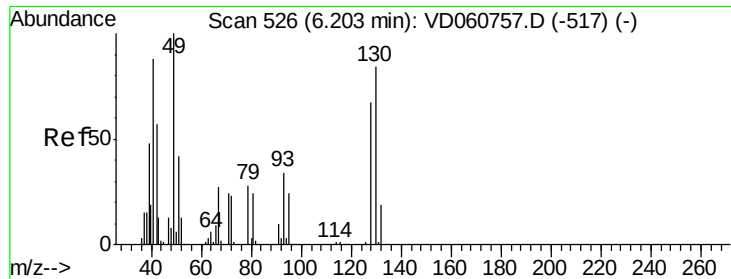
Tot Ion: 83 Resp: 111681
Ion Ratio Lower Upper
83 100
55 111.6 68.6 102.8#
98 52.2 38.1 57.1



#40
Benzene
Concen: 5.559 ug/l
RT: 7.21 min Scan# 628
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 78 Resp: 286607
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8

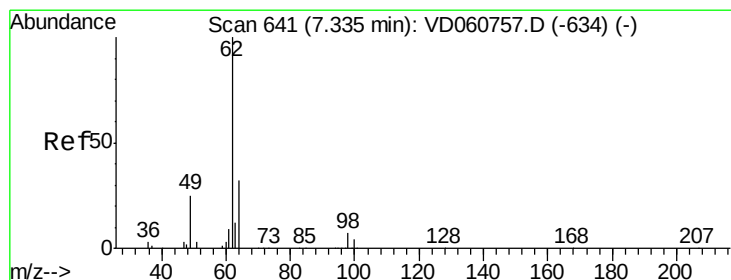
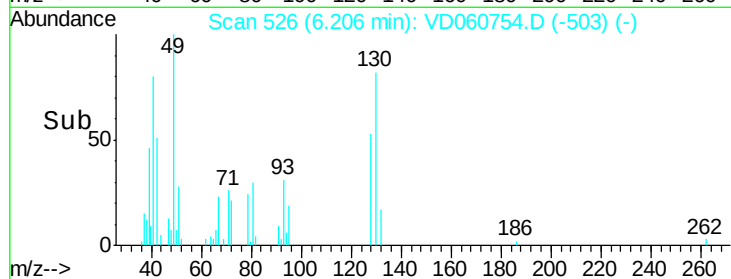
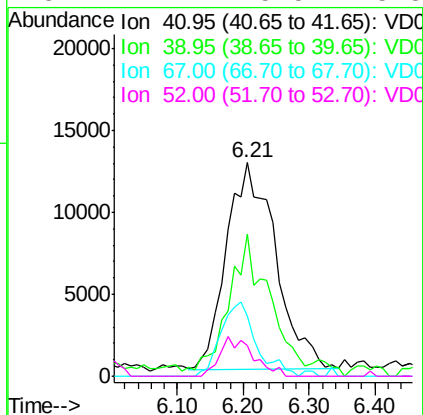
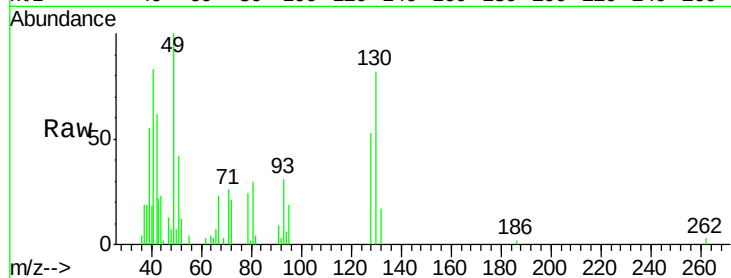




#41
Methacrylonitrile
Concen: 14.200 ug/l
RT: 6.21 min Scan# 526
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

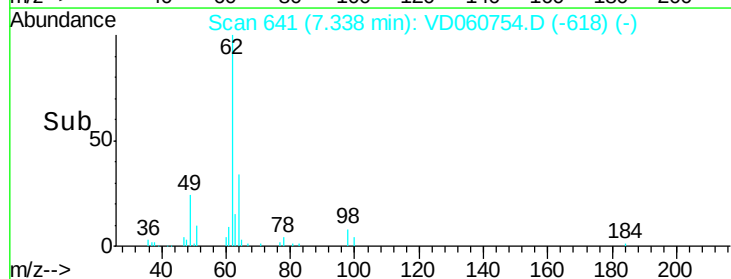
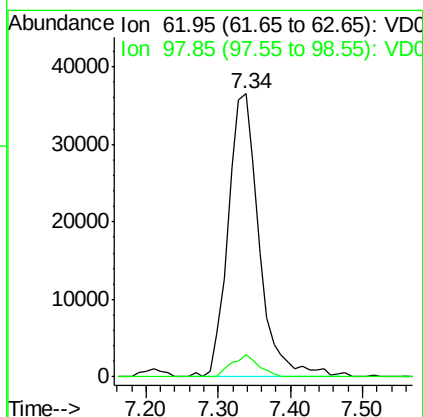
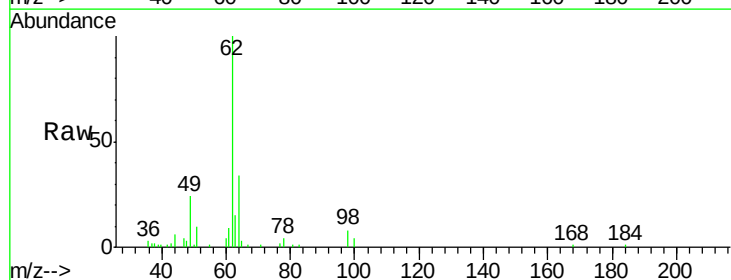
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

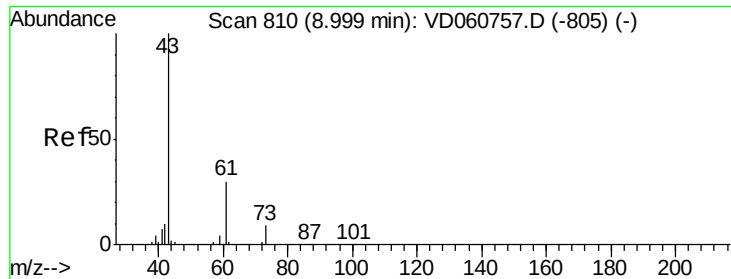
Tot Ion: 41 Resp: 65562
Ion Ratio Lower Upper
41 100
39 66.4 37.6 56.4#
67 27.9 33.0 49.6#
52 14.1 15.5 23.3#



#42
1,2-Dichloroethane
Concen: 8.560 ug/l
RT: 7.34 min Scan# 641
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 62 Resp: 109516
Ion Ratio Lower Upper
62 100
98 7.7 0.0 20.4





#43

Isopropyl Acetate

Concen: 7.601 ug/l

RT: 9.00 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

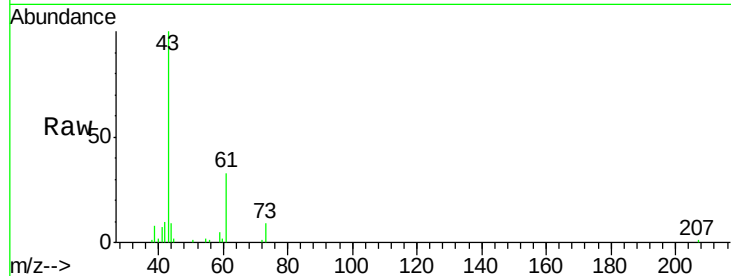
Tot Ion: 43 Resp: 81419

Ion Ratio Lower Upper

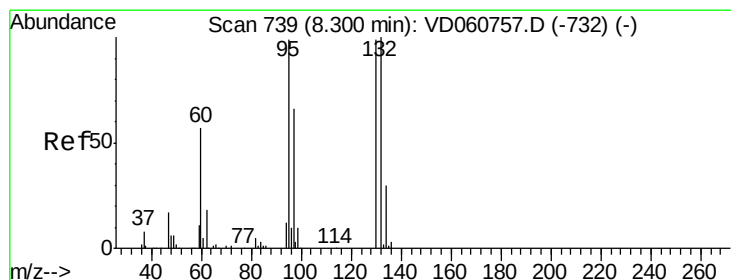
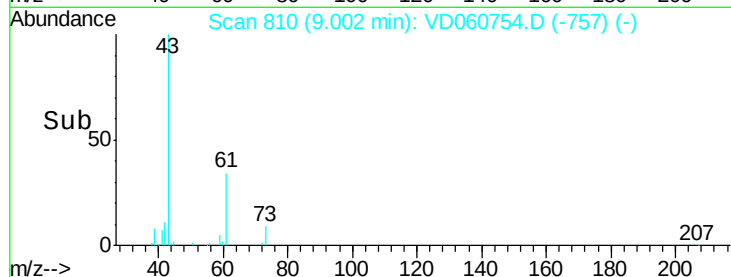
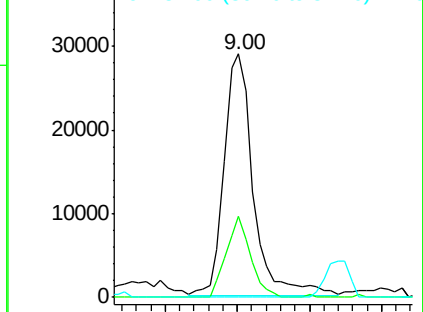
43 100

61 33.3 21.8 32.8#

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 5.503 ug/l

RT: 8.29 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD060754.D

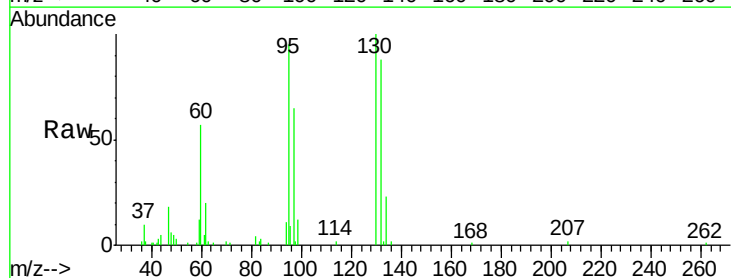
Acq: 18 Jan 2019 10:49

Tgt Ion:130 Resp: 83966

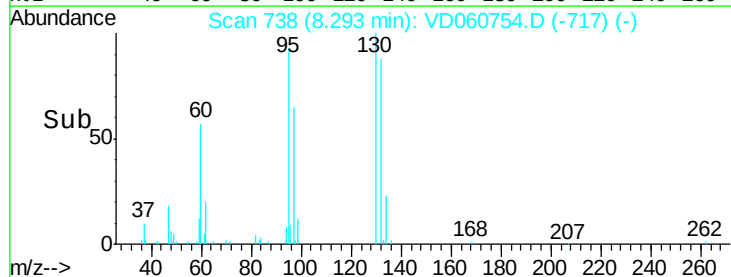
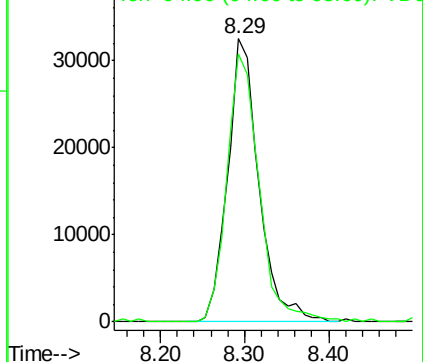
Ion Ratio Lower Upper

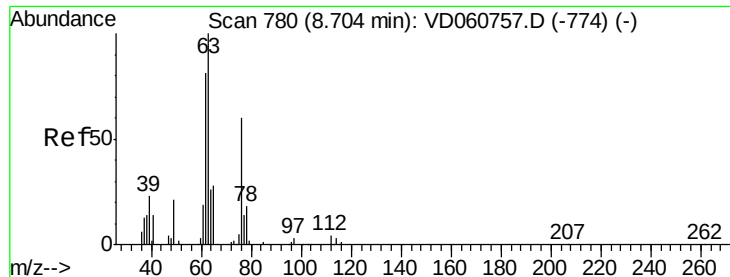
130 100

95 94.7 0.0 193.6



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

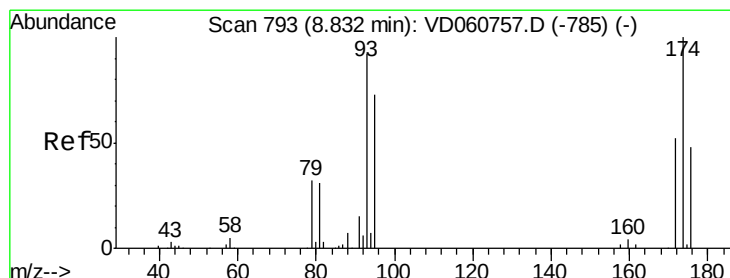
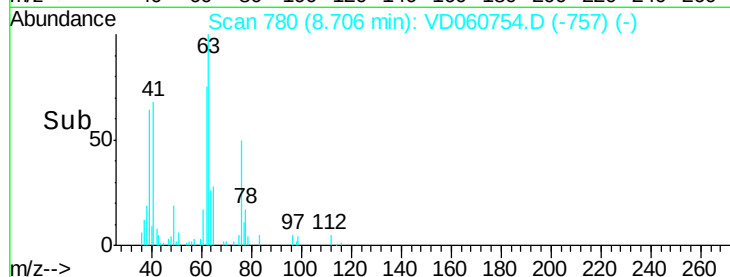
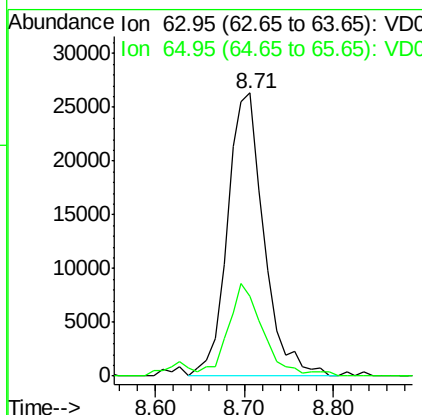
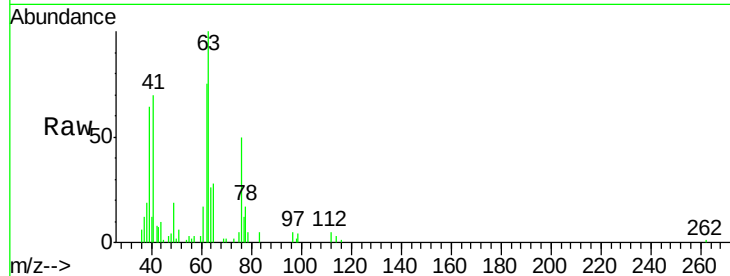




#45
 1,2-Dichloropropane
 Concen: 5.938 ug/l
 RT: 8.71 min Scan# 780
 Delta R.T. 0.02 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

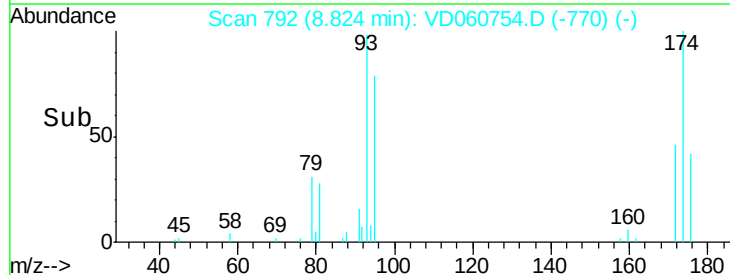
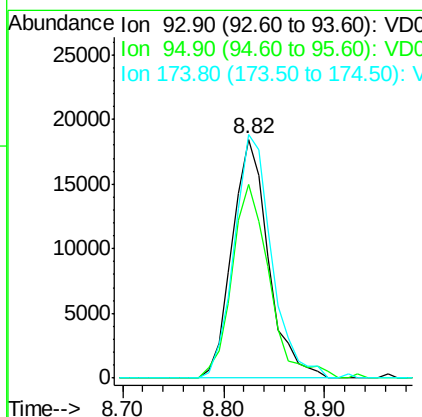
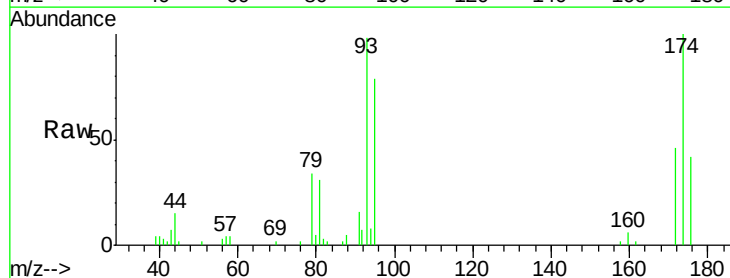
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

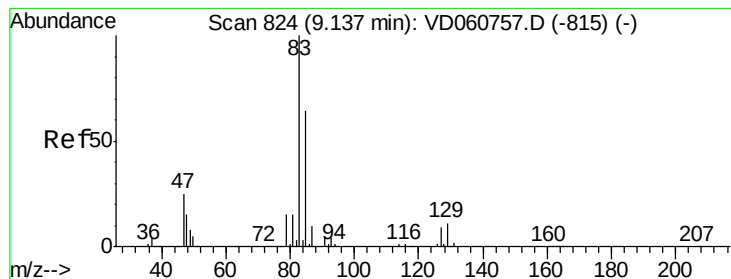
Tot Ion: 63 Resp: 75070
 Ion Ratio Lower Upper
 63 100
 65 28.4 25.0 37.6



#46
 Dibromomethane
 Concen: 6.403 ug/l
 RT: 8.82 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 93 Resp: 46201
 Ion Ratio Lower Upper
 93 100
 95 80.8 68.8 103.2
 174 101.9 93.0 139.4





#47

Bromodichloromethane

Concen: 6.670 ug/l

RT: 9.14 min Scan# 824

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

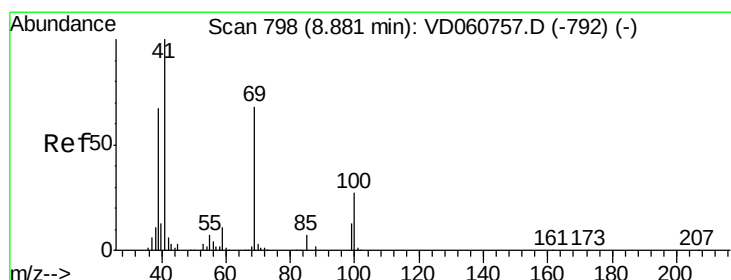
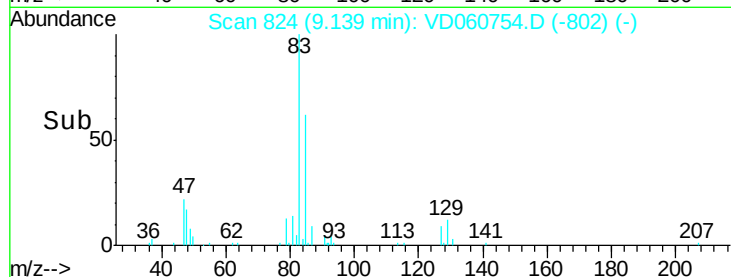
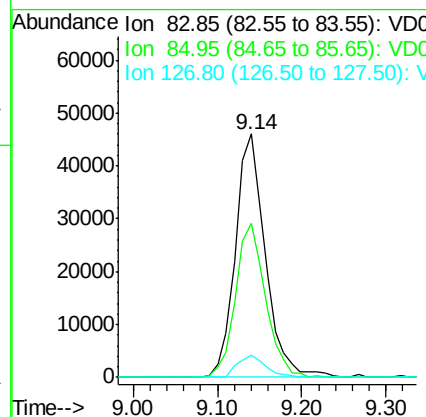
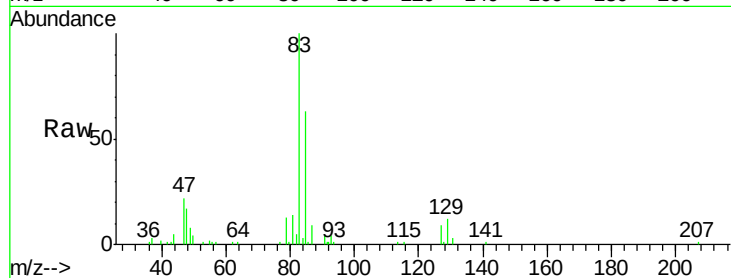
Tot Ion: 83 Resp: 113990

Ion Ratio Lower Upper

83 100

85 63.2 51.1 76.7

127 9.2 7.0 10.6



#48

Methyl methacrylate

Concen: 7.512 ug/l

RT: 8.88 min Scan# 798

Delta R.T. 0.02 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

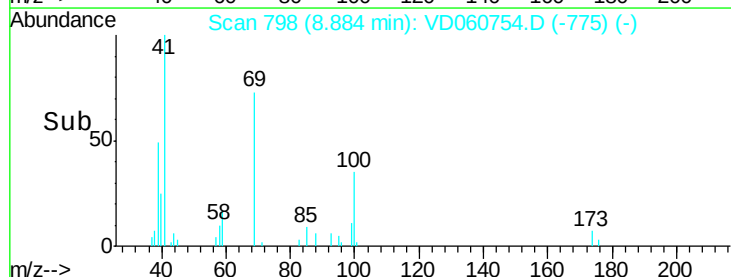
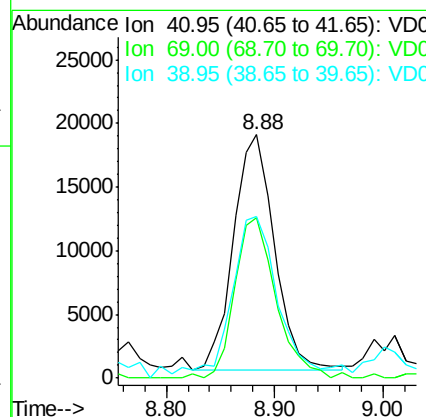
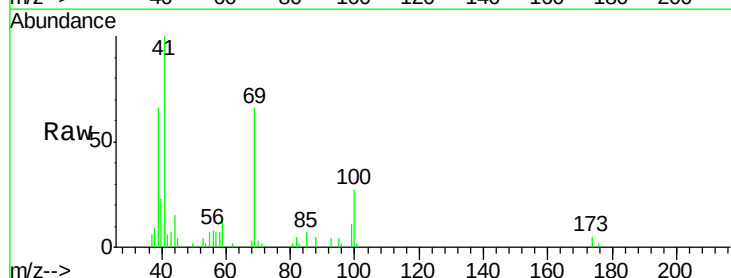
Tgt Ion: 41 Resp: 48871

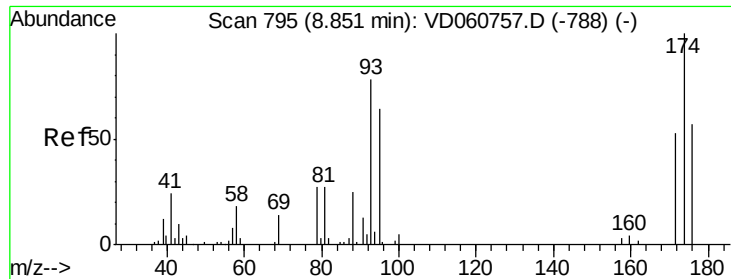
Ion Ratio Lower Upper

41 100

69 66.1 51.2 76.8

39 66.2 44.6 67.0

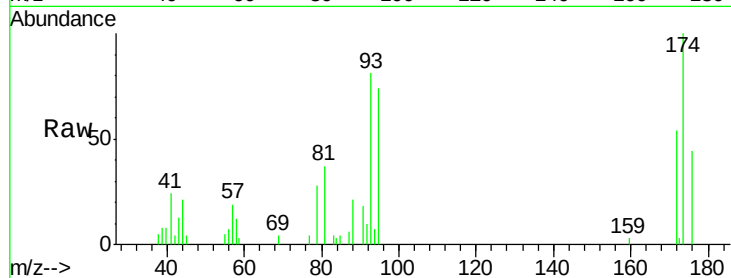




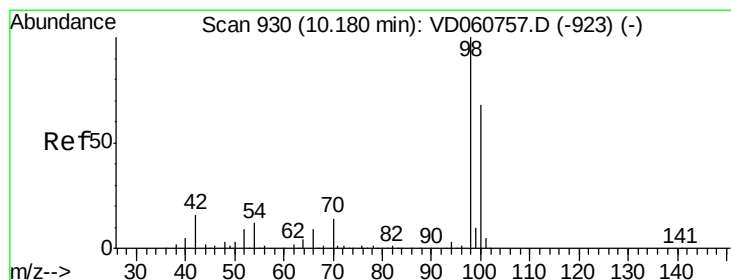
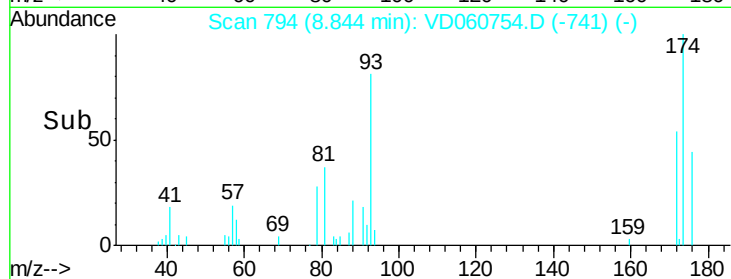
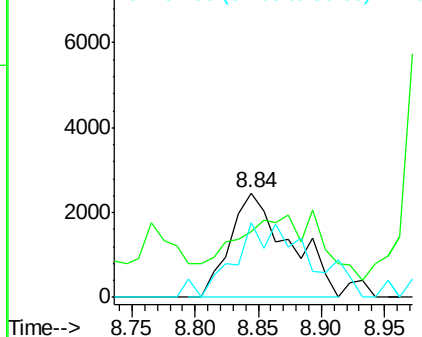
#49
1,4-Dioxane
Concen: 132.348 ug/l
RT: 8.84 min Scan# 794
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 8006
Ion Ratio Lower Upper
88 100
43 62.5 31.5 47.3#
58 71.5 50.6 76.0

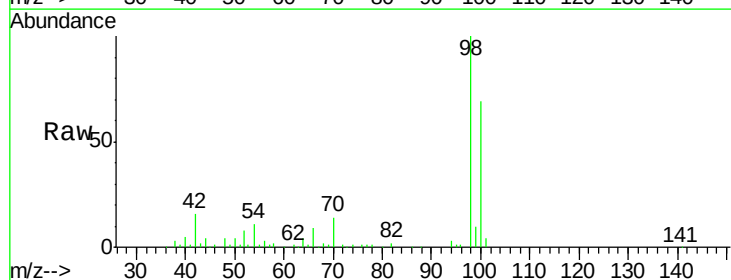


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

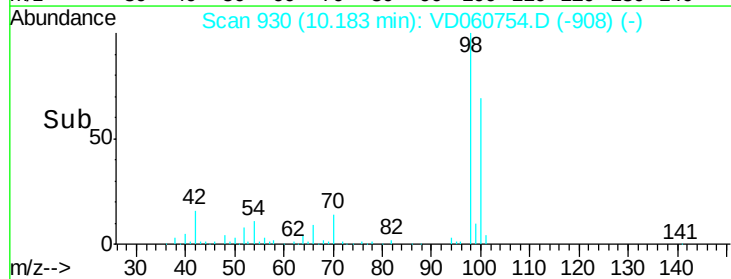
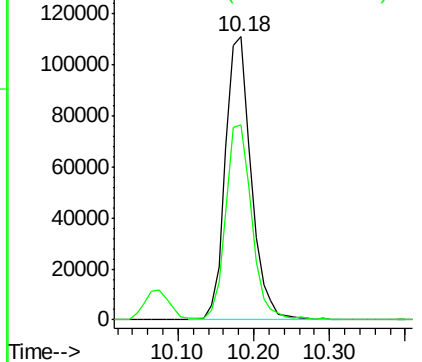


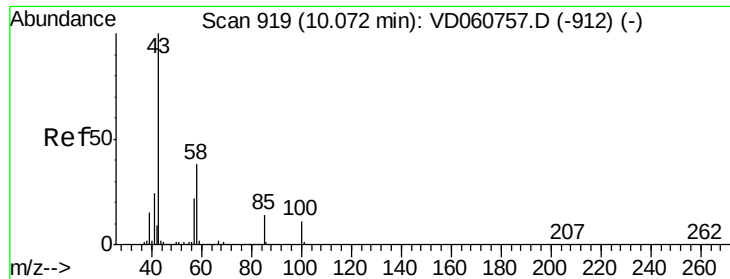
#50
Toluene-d8
Concen: 132.348 ug/l
RT: 10.18 min Scan# 930
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 98 Resp: 262172
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: 36.795 ug/l

RT: 10.06 min Scan# 918

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

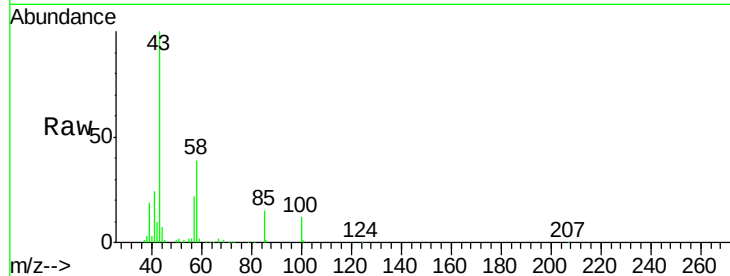
VSTDIC005

Tot Ion: 43 Resp: 241480

Ion Ratio Lower Upper

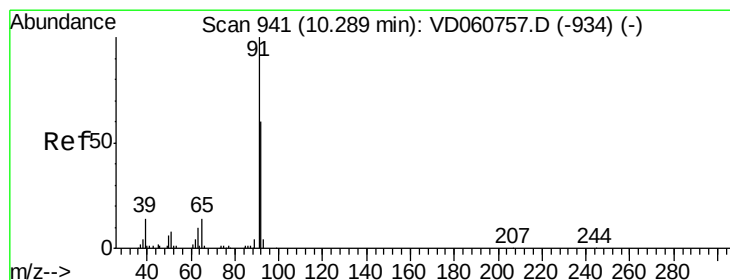
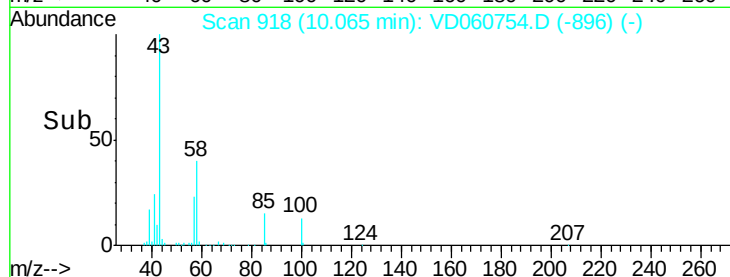
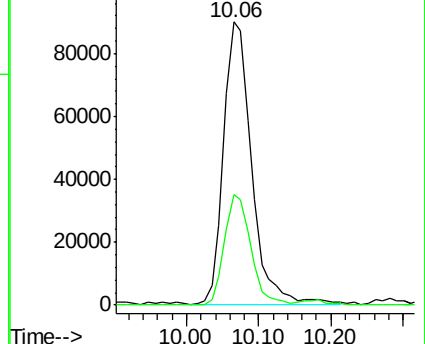
43 100

58 39.1 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.383 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060754.D

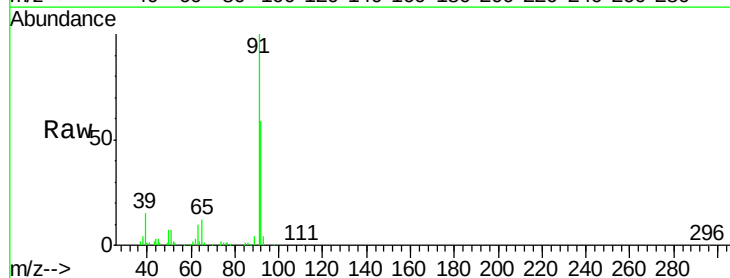
Acq: 18 Jan 2019 10:49

Tgt Ion: 92 Resp: 173981

Ion Ratio Lower Upper

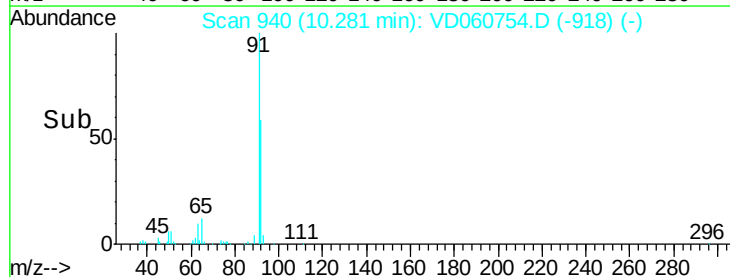
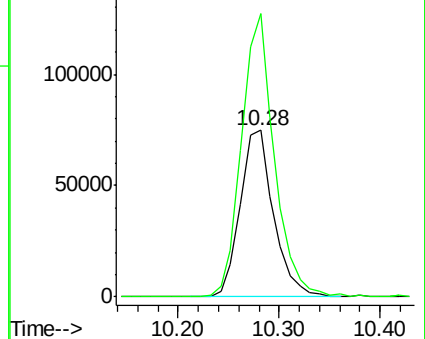
92 100

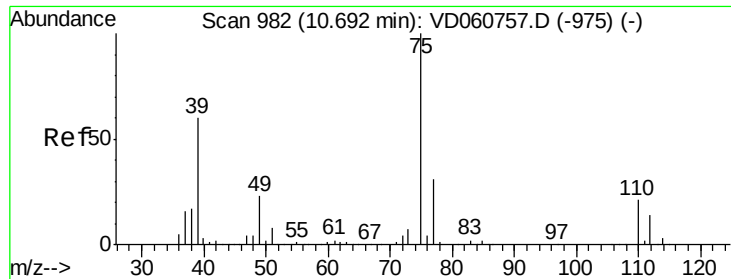
91 169.8 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

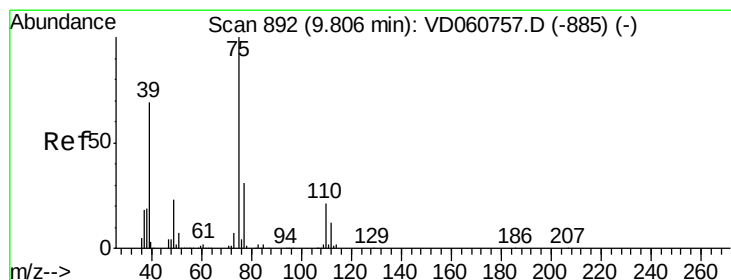
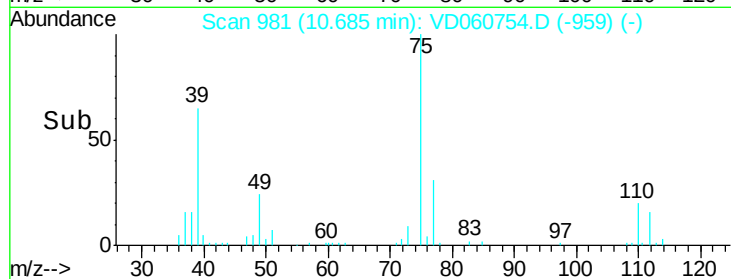
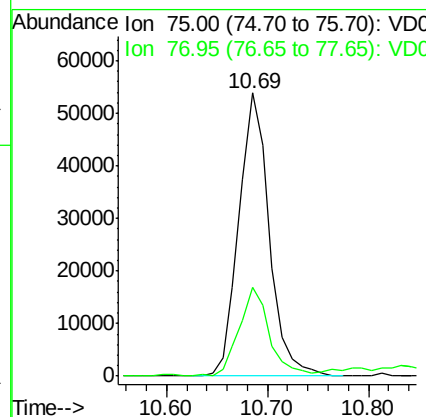
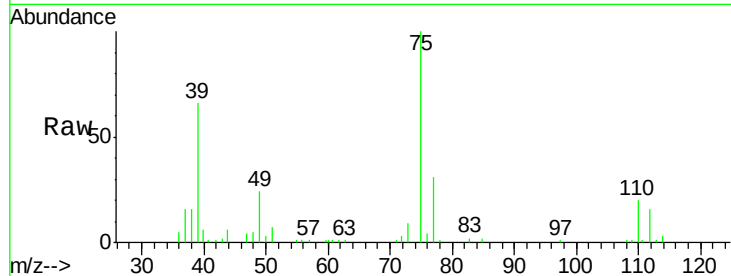




#53
 t-1,3-Dichloropropene
 Concen: 7.910 ug/l
 RT: 10.69 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

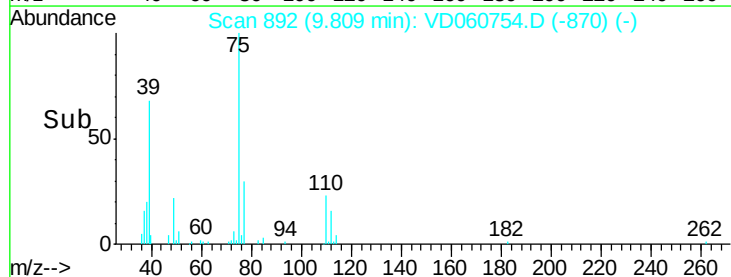
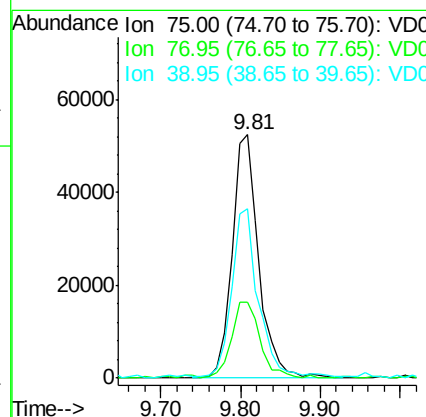
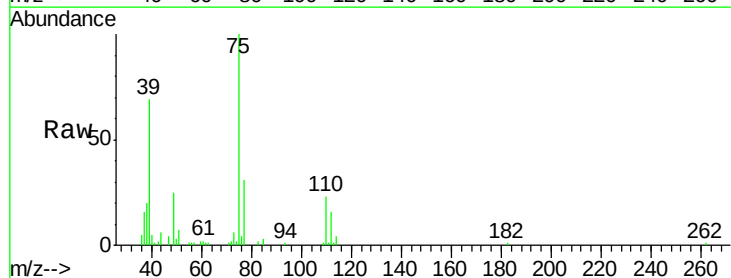
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

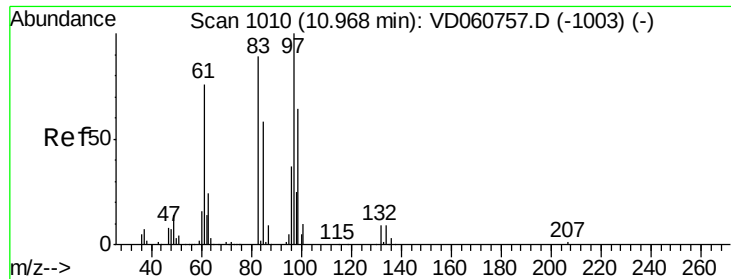
Tot Ion: 75 Resp: 112785
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 6.554 ug/l
 RT: 9.81 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 75 Resp: 122311
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2
 39 69.4 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 5.622 ug/l

RT: 10.96 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 48888

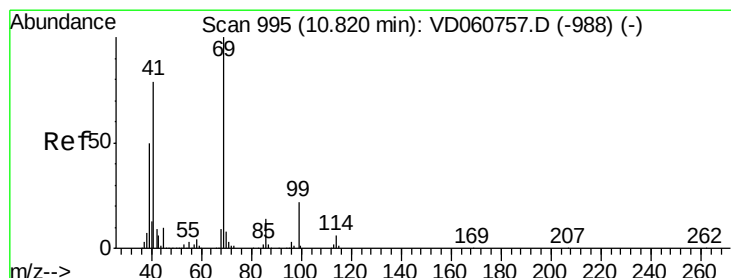
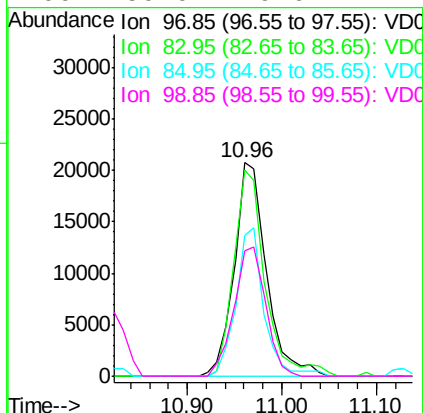
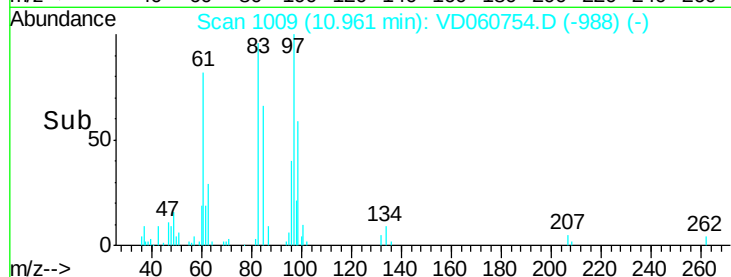
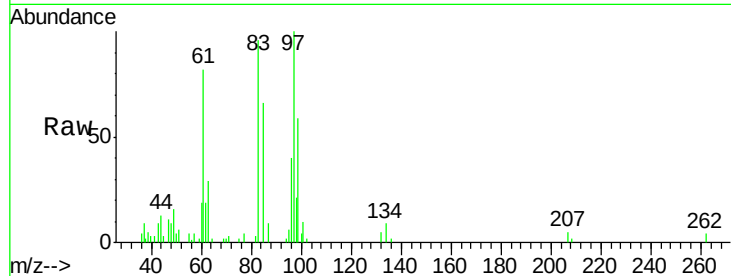
Ion	Ratio	Lower	Upper
97	100		
83	96.3	70.0	105.0
85	65.9	46.6	70.0
99	59.0	49.6	74.4

97 100

83 96.3 70.0 105.0

85 65.9 46.6 70.0

99 59.0 49.6 74.4



#56

Ethyl methacrylate

Concen: 8.106 ug/l

RT: 10.81 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

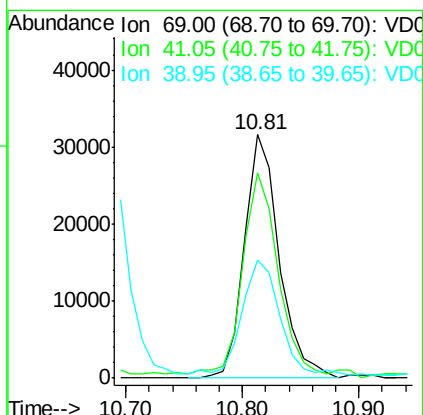
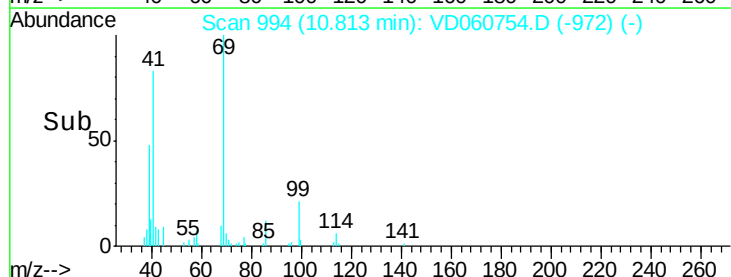
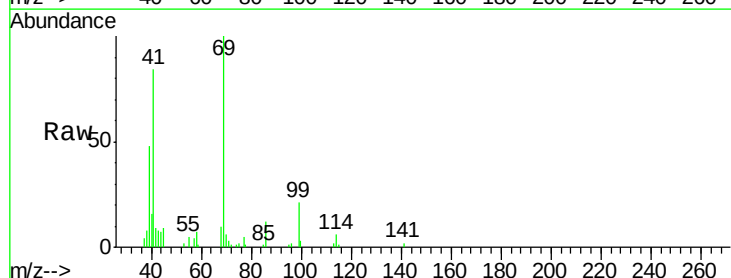
Tgt Ion: 69 Resp: 65469

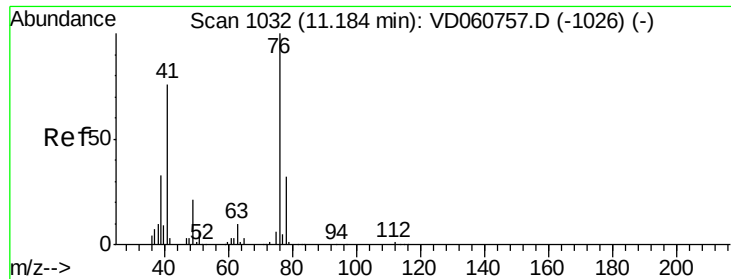
Ion	Ratio	Lower	Upper
69	100		
41	84.4	68.3	102.5
39	48.3	37.2	55.8

69 100

41 84.4 68.3 102.5

39 48.3 37.2 55.8

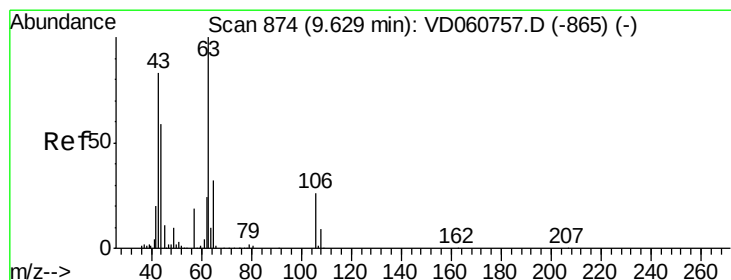
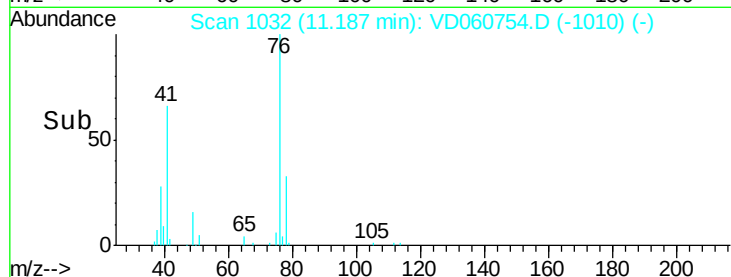
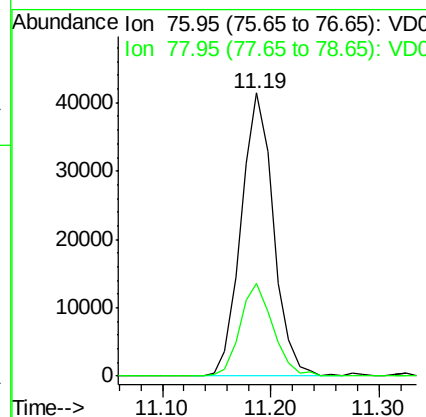
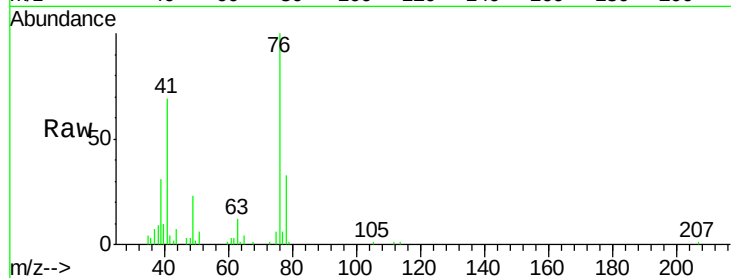




#57
 1,3-Dichloropropane
 Concen: 6.225 ug/l
 RT: 11.19 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

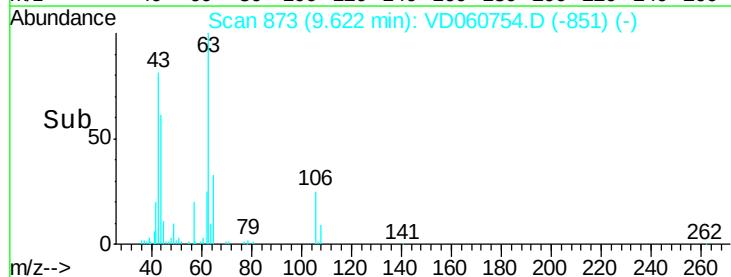
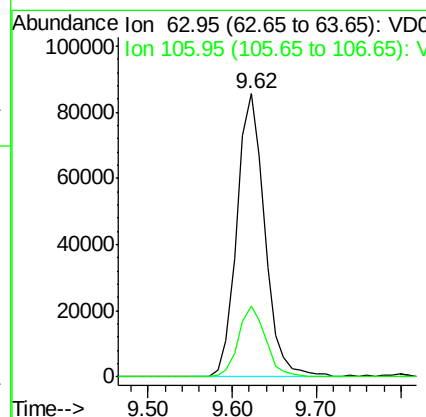
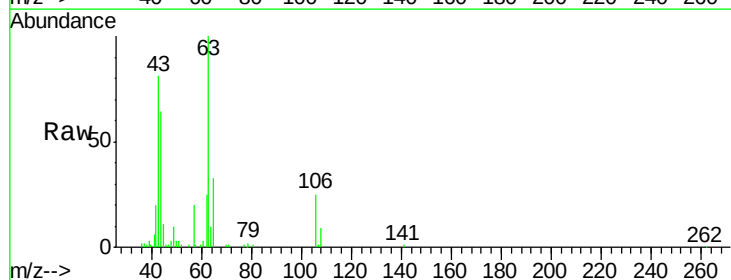
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

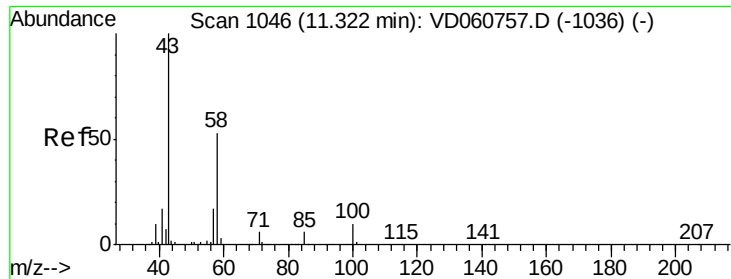
Tot Ion: 76 Resp: 85802
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 41.537 ug/l
 RT: 9.62 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 63 Resp: 197680
 Ion Ratio Lower Upper
 63 100
 106 24.8 22.4 33.6

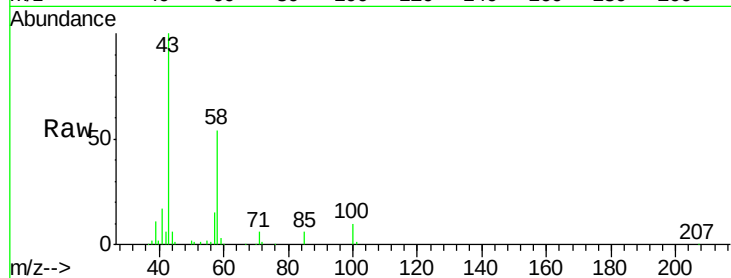




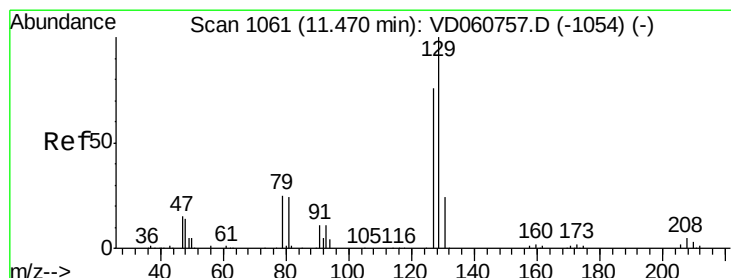
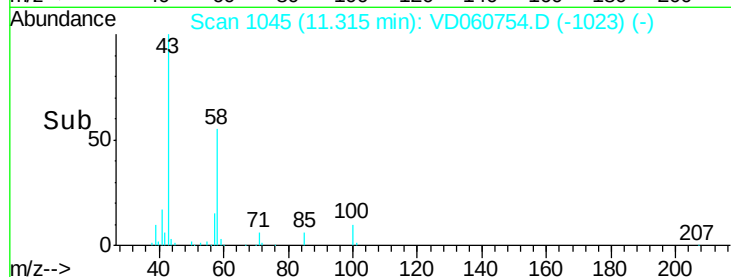
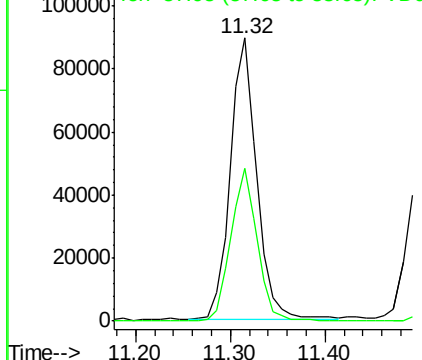
#59
2-Hexanone
Concen: 37.659 ug/l
RT: 11.32 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 172997
Ion Ratio Lower Upper
43 100
58 54.2 23.5 70.5

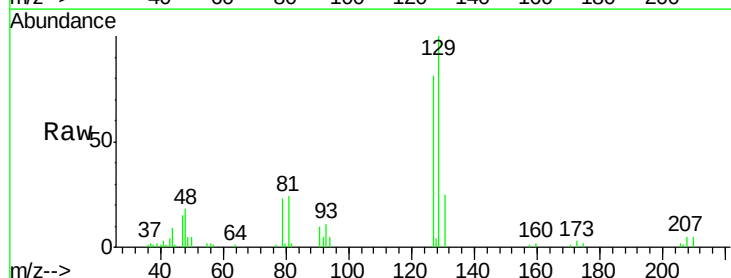


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

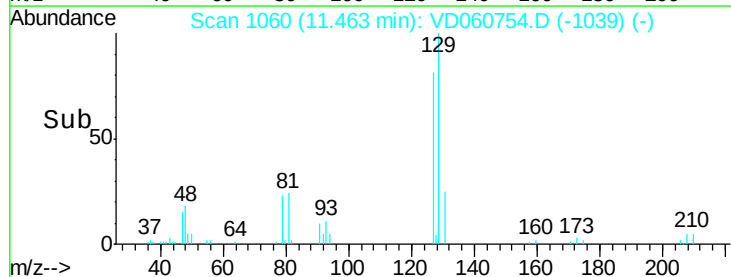
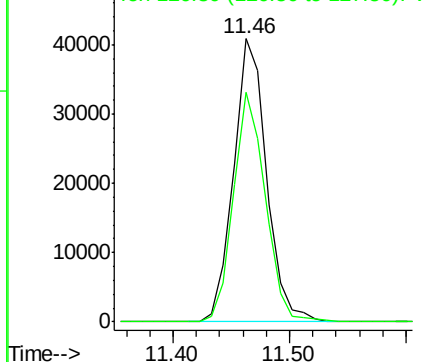


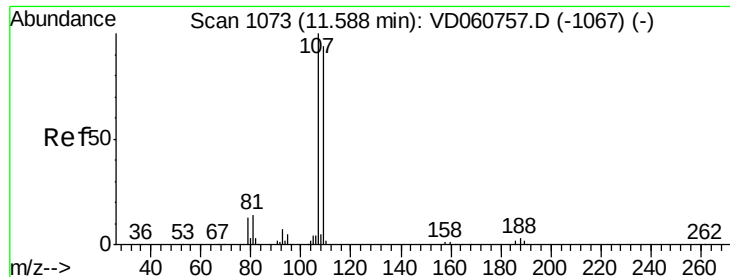
#60
Dibromochloromethane
Concen: 7.204 ug/l
RT: 11.46 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 129 Resp: 79796
Ion Ratio Lower Upper
129 100
127 81.2 37.6 112.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

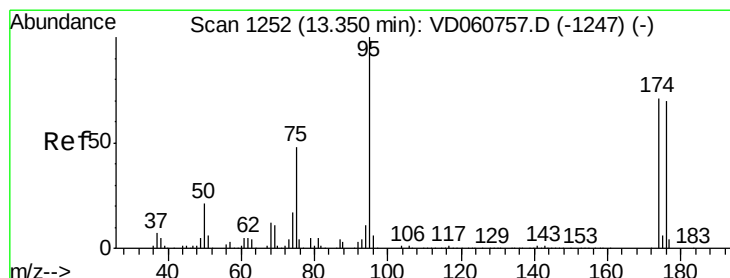
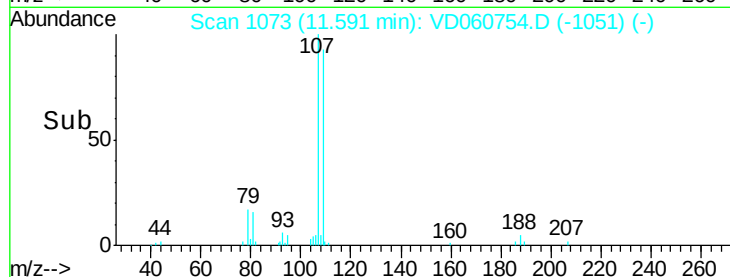
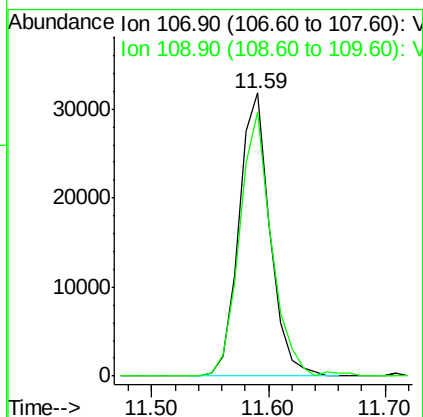
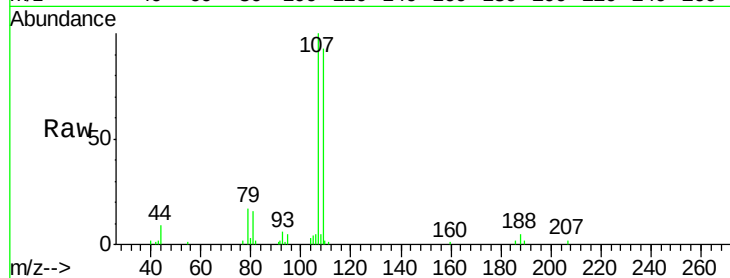




#61
 1,2-Dibromoethane
 Concen: 6.505 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

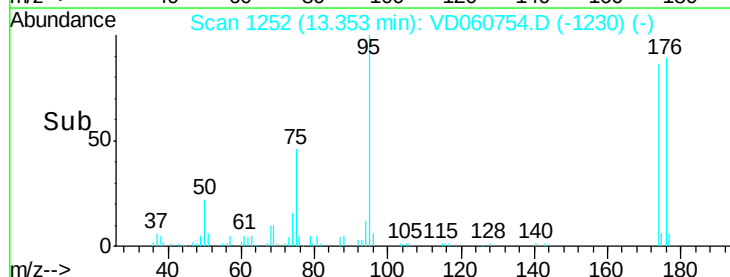
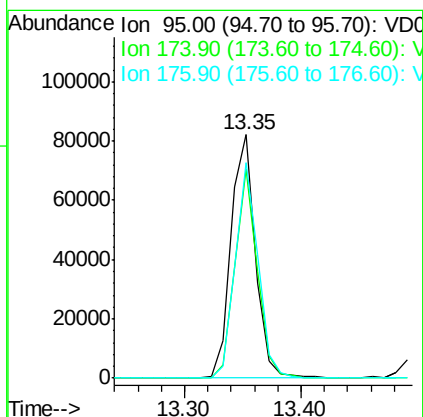
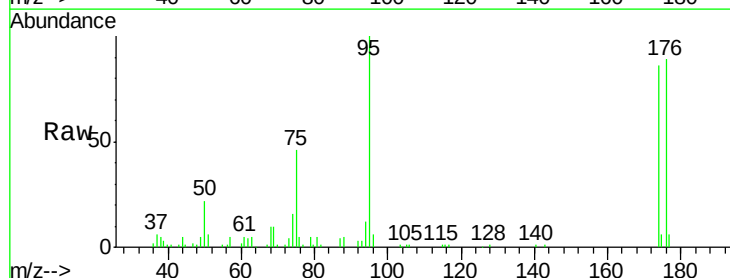
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

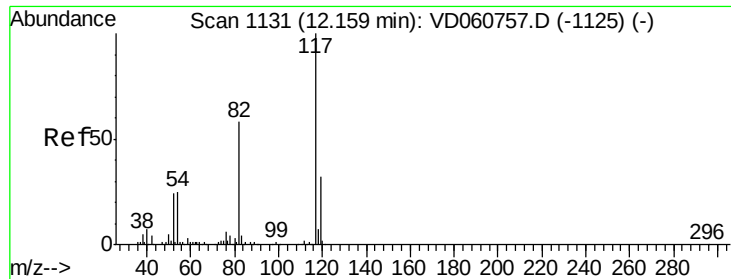
Tot Ion:107 Resp: 58673
 Ion Ratio Lower Upper
 107 100
 109 93.5 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 6.505 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 95 Resp: 118661
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 158.2
 176 88.7 0.0 152.4

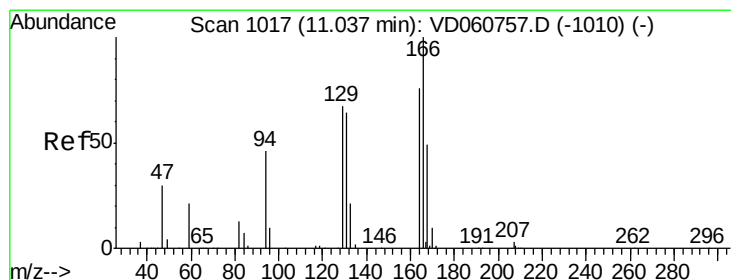
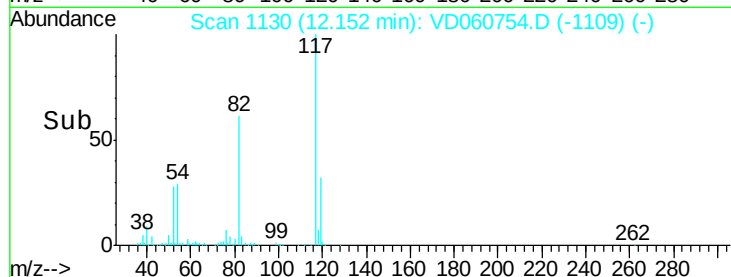
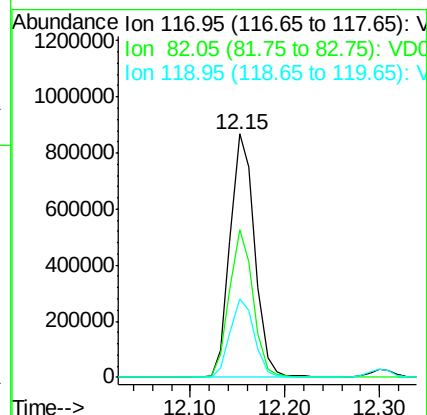
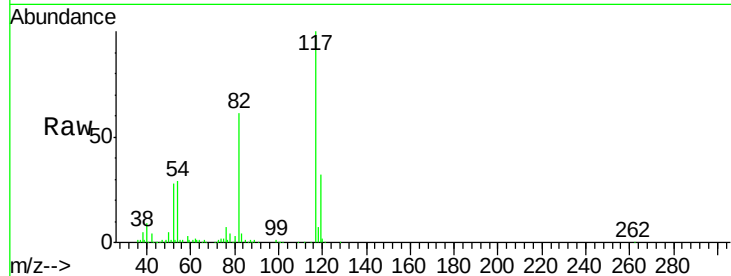




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

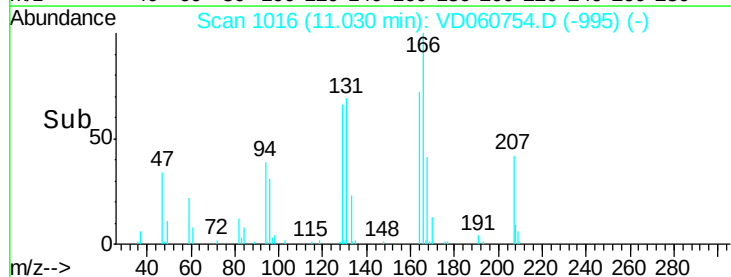
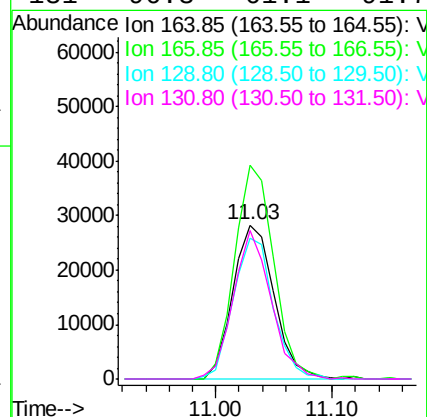
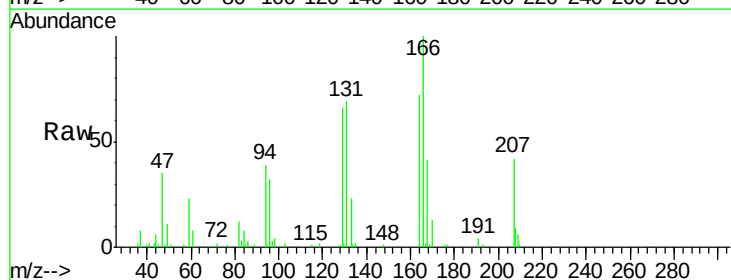
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

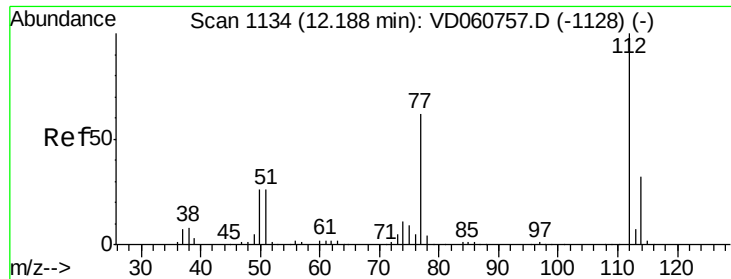
Tot Ion:117 Resp: 1560656
Ion Ratio Lower Upper
117 100
82 60.5 44.5 66.7
119 32.5 26.3 39.5



#64
Tetrachloroethene
Concen: 4.892 ug/l
RT: 11.03 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:164 Resp: 69194
Ion Ratio Lower Upper
164 100
166 138.6 104.4 156.6
129 91.4 62.7 94.1
131 96.3 61.1 91.7#

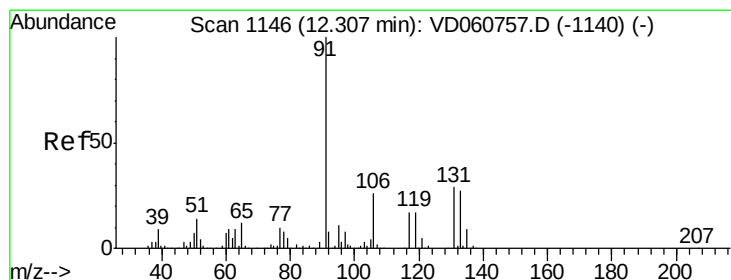
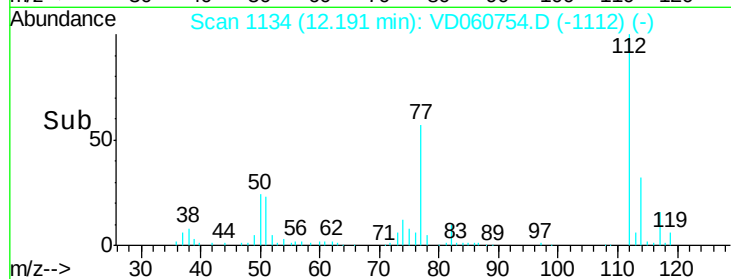
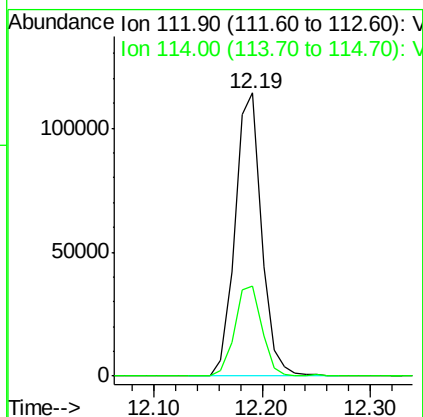
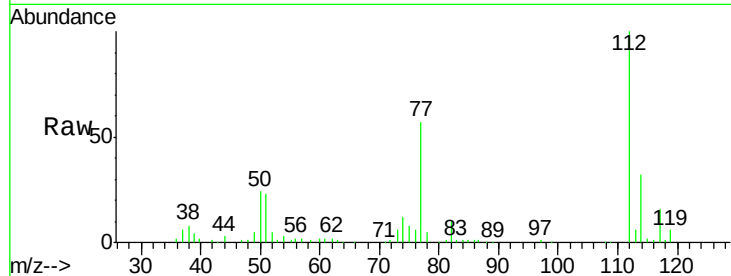




#65
Chlorobenzene
Concen: 5.640 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

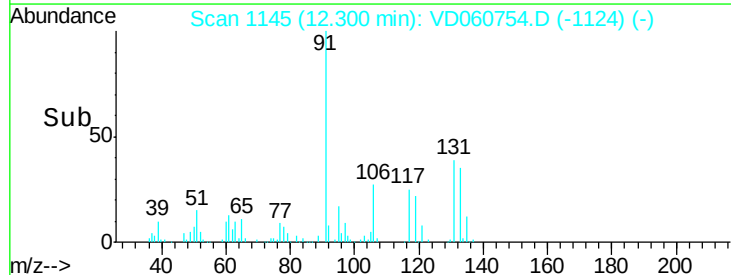
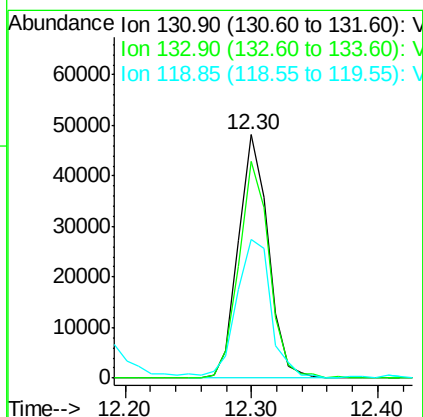
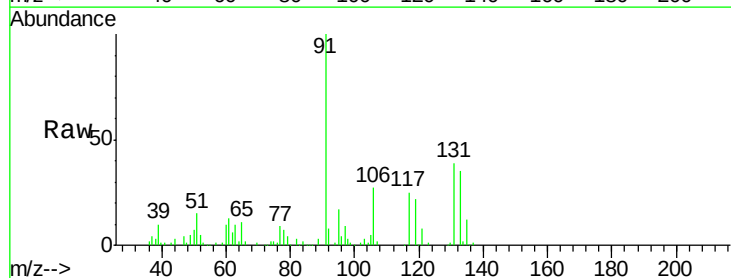
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

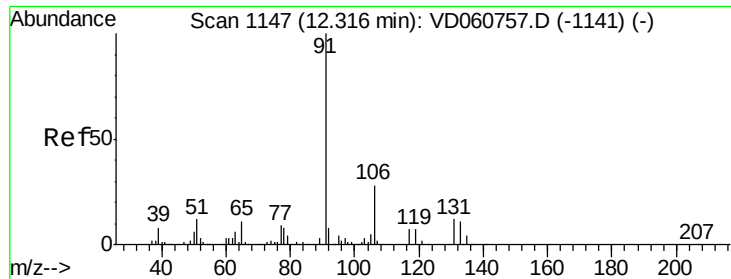
Tot Ion:112 Resp: 194466
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 7.109 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:131 Resp: 78817
Ion Ratio Lower Upper
131 100
133 89.1 49.1 147.3
119 56.9 36.6 109.8

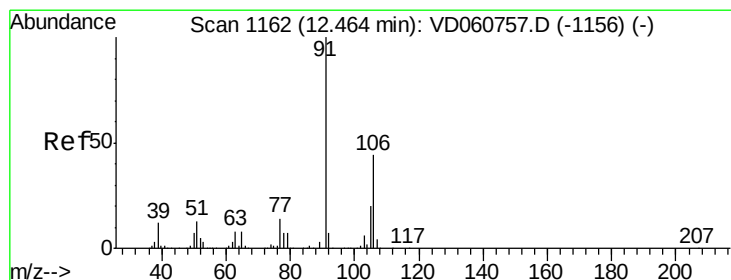
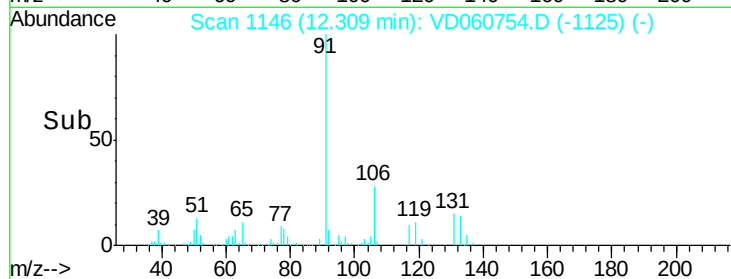
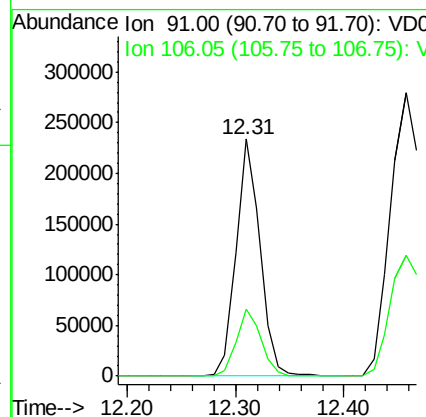
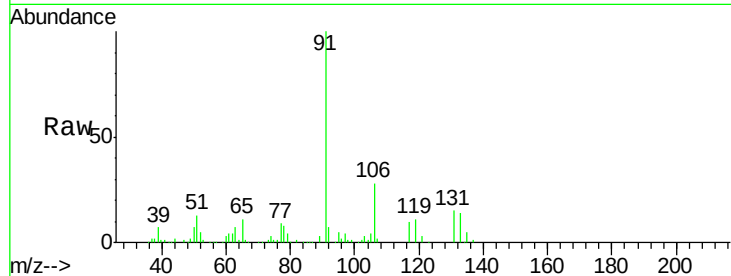




#67
Ethyl Benzene
Concen: 6.109 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

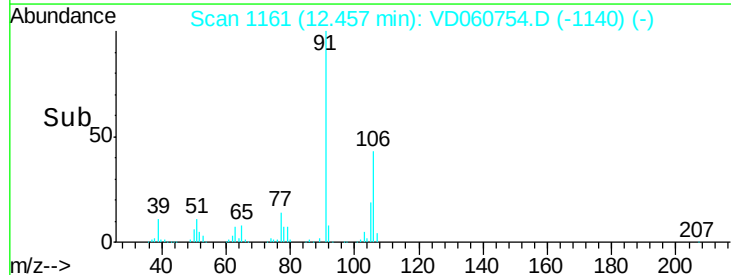
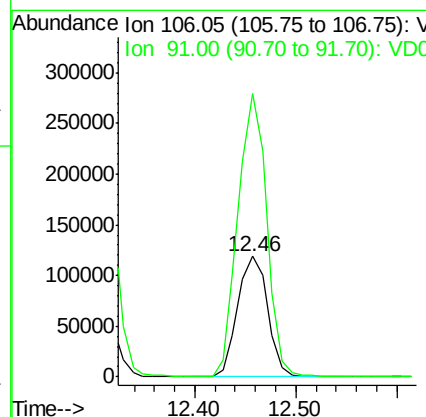
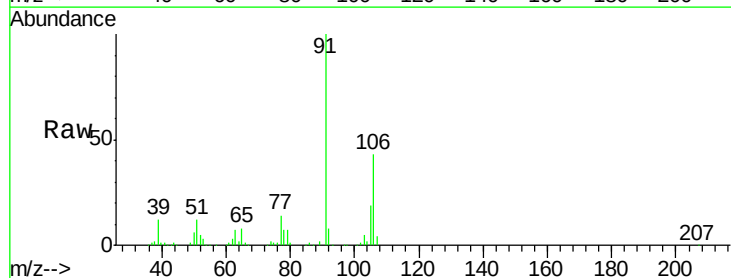
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

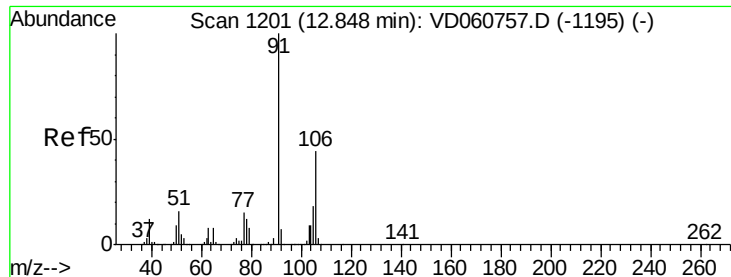
Tot Ion: 91 Resp: 360750
Ion Ratio Lower Upper
91 100
106 28.4 24.6 36.8



#68
m/p-Xylenes
Concen: 11.408 ug/l
RT: 12.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 106 Resp: 246190
Ion Ratio Lower Upper
106 100
91 235.3 158.9 238.3

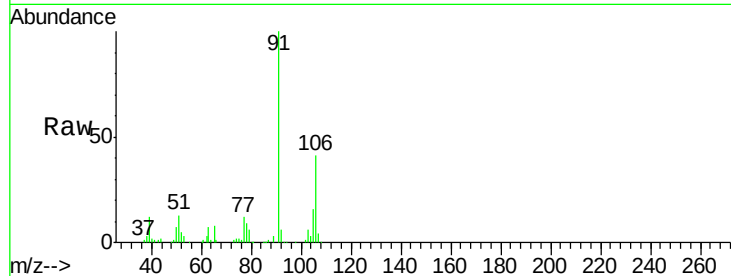




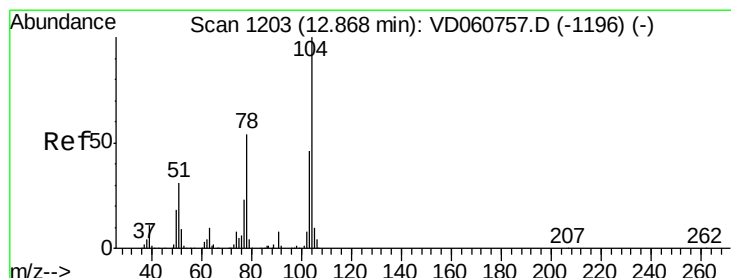
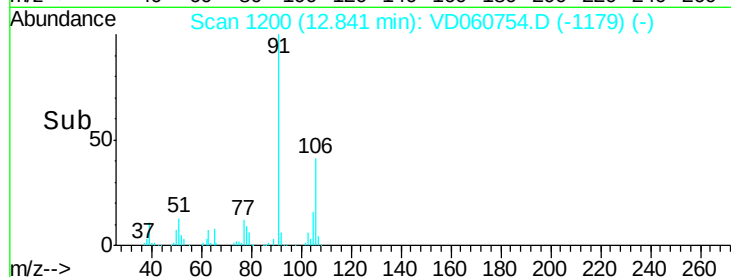
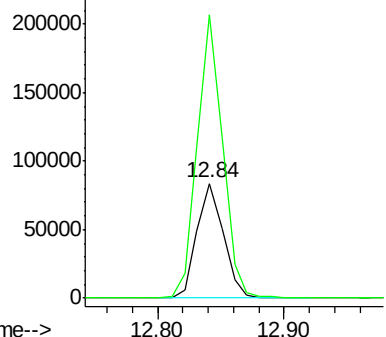
#69
o-Xylene
Concen: 5.953 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion:106 Resp: 121886
Ion Ratio Lower Upper
106 100
91 246.9 101.5 304.5

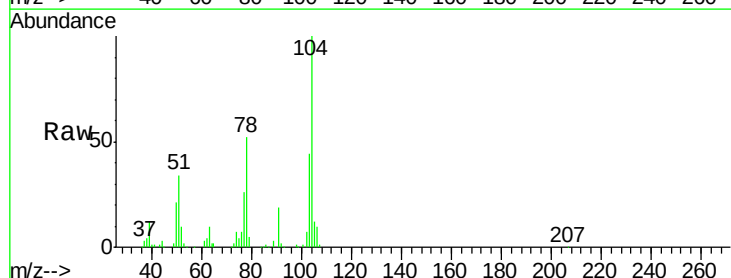


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

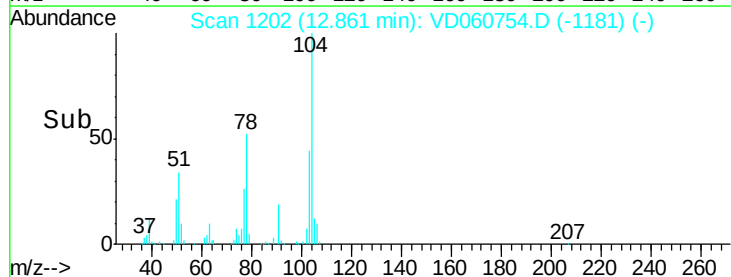
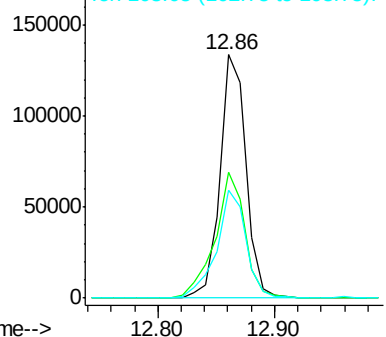


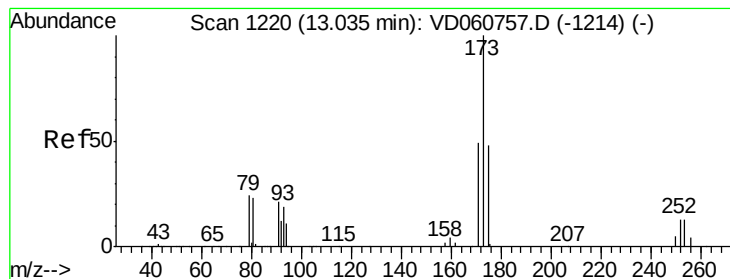
#70
Styrene
Concen: 6.238 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:104 Resp: 205701
Ion Ratio Lower Upper
104 100
78 51.6 31.4 47.2#
103 44.3 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 7.241 ug/l

RT: 13.03 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

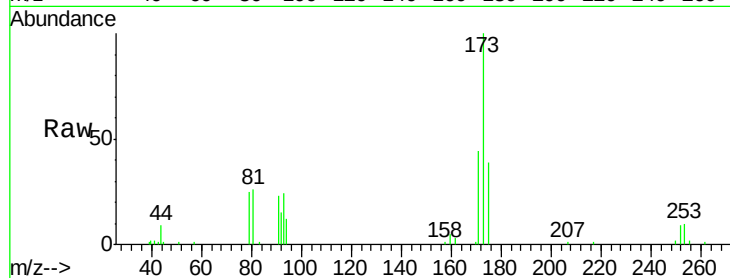
Tot Ion:173 Resp: 52994

Ion Ratio Lower Upper

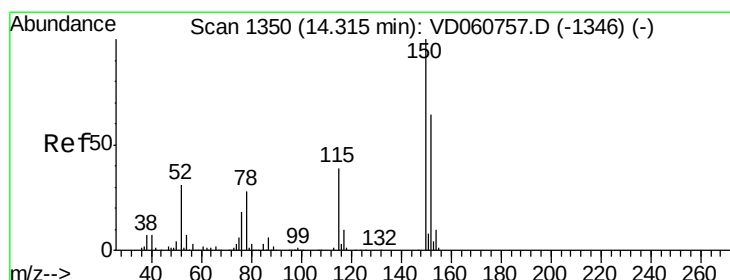
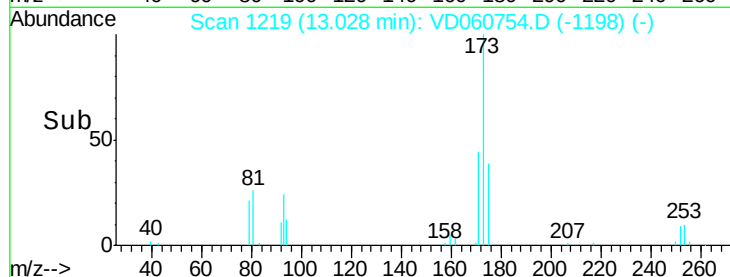
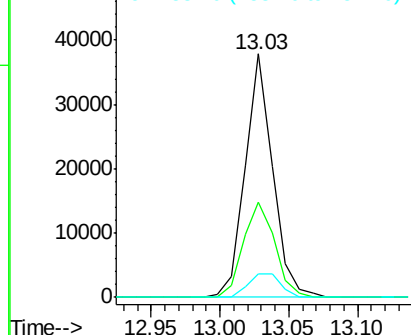
173 100

175 38.9 25.5 76.5

254 9.7 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. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

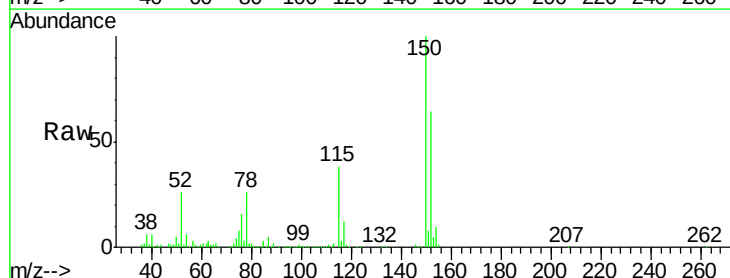
Tgt Ion:152 Resp: 785274

Ion Ratio Lower Upper

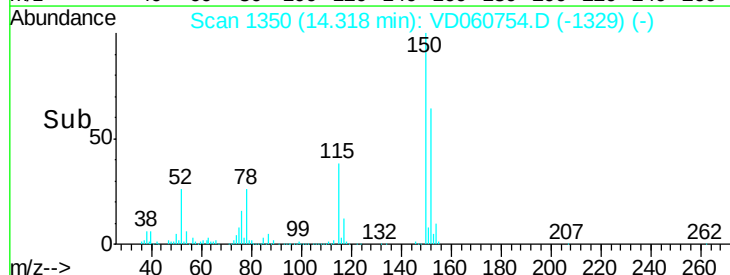
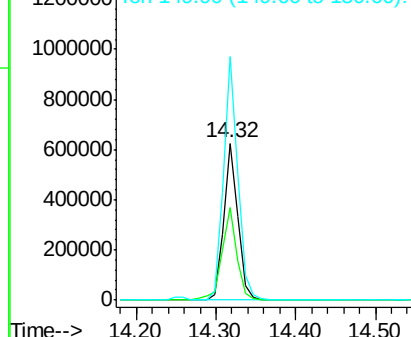
152 100

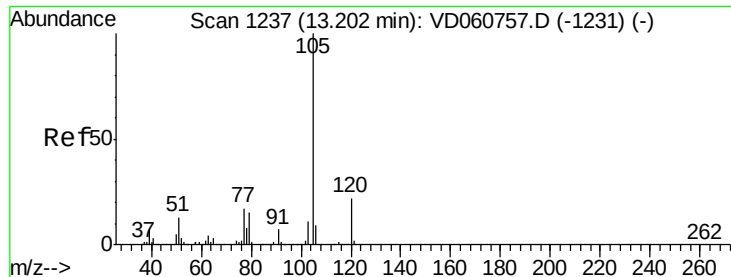
115 59.0 24.1 72.3

150 155.1 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: 5.636 ug/l

RT: 13.20 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

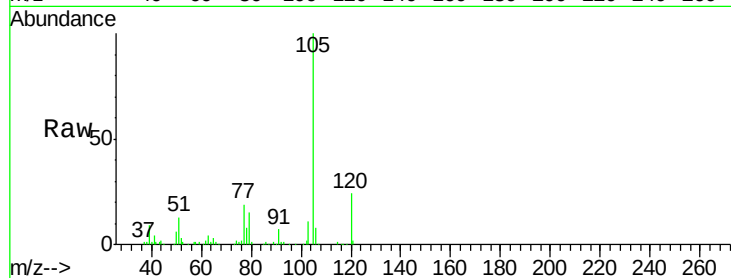
VSTDIC005

Tot Ion:105 Resp: 315103

Ion Ratio Lower Upper

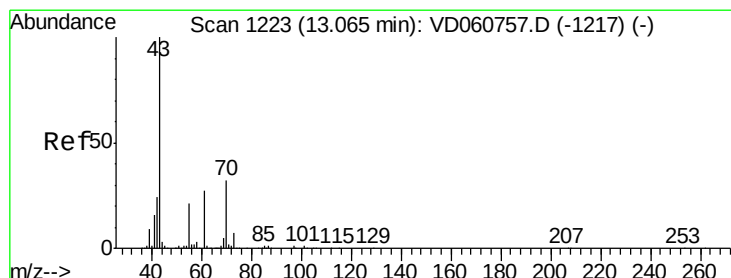
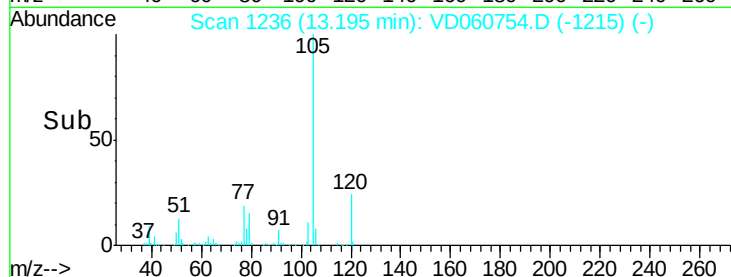
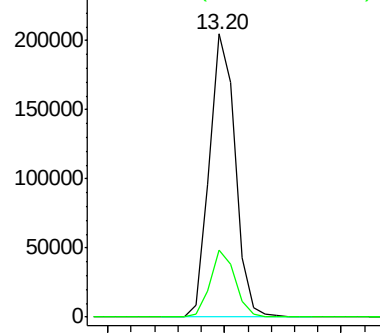
105 100

120 23.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 7.683 ug/l

RT: 13.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Tgt Ion: 43 Resp: 101382

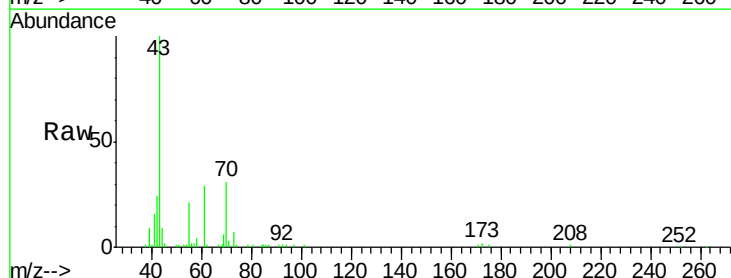
Ion Ratio Lower Upper

43 100

70 30.7 22.2 33.2

55 20.5 13.8 20.8

61 29.3 18.2 27.2#

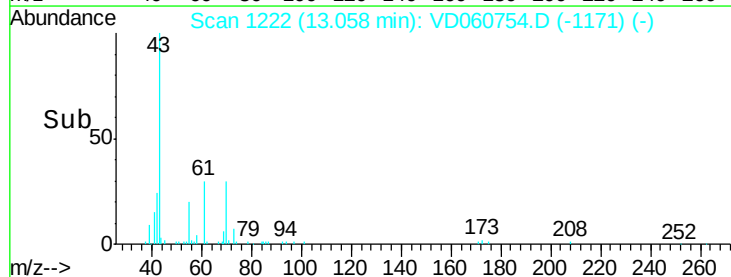
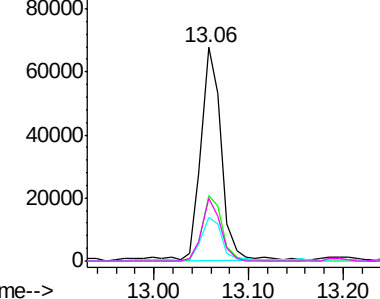


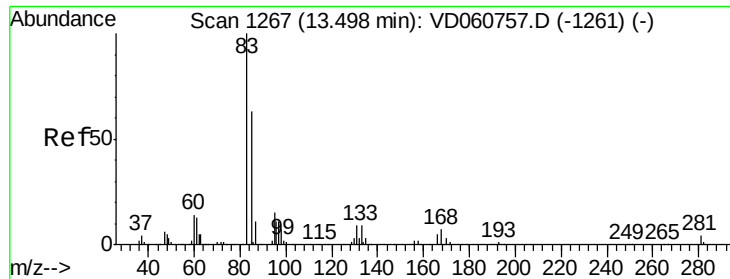
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 6.789 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

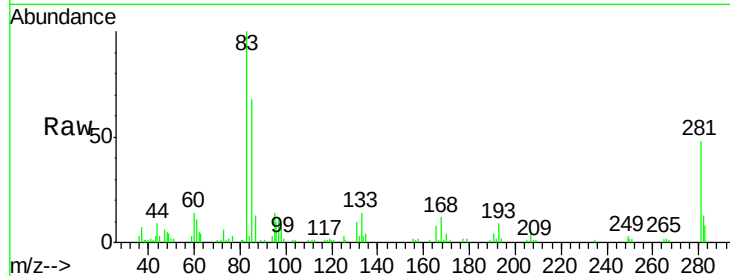
Tot Ion: 83 Resp: 61529

Ion Ratio Lower Upper

83 100

131 10.4 4.2 12.4

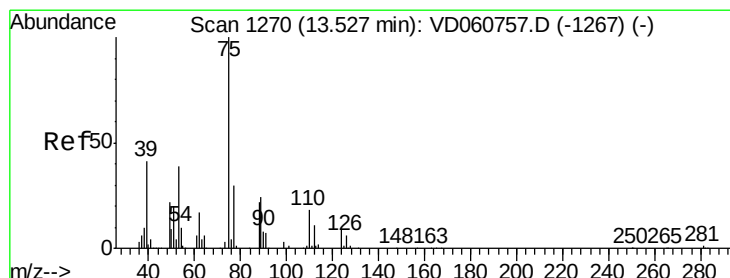
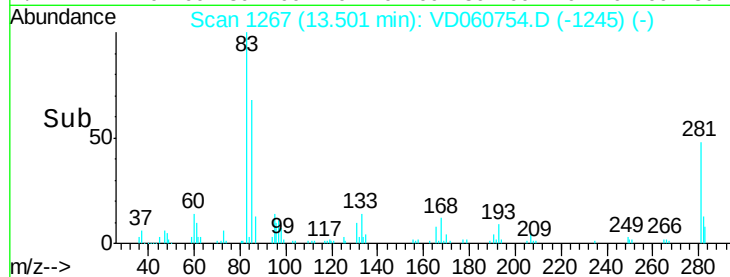
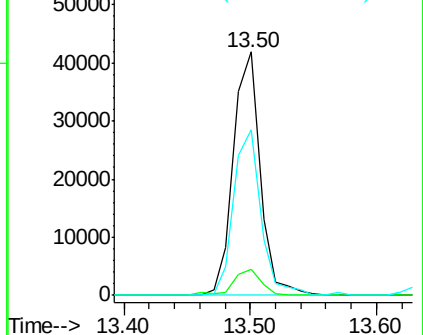
85 67.8 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 7.502 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD060754.D

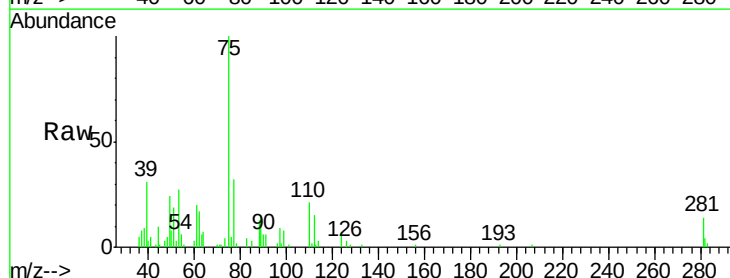
Acq: 18 Jan 2019 10:49

Tgt Ion: 75 Resp: 67069

Ion Ratio Lower Upper

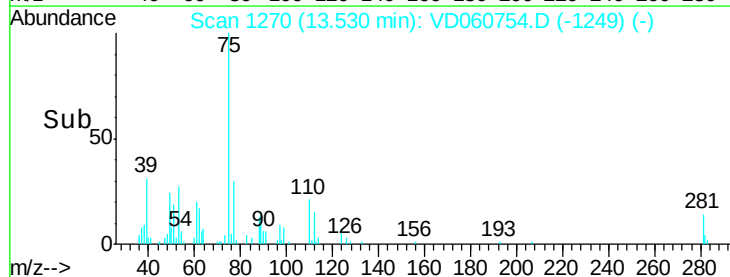
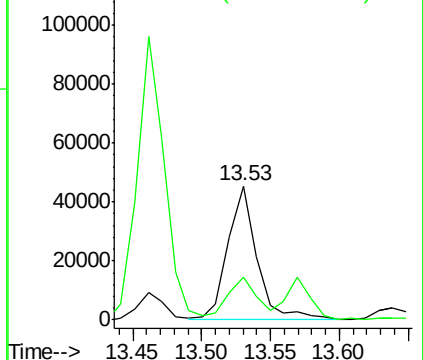
75 100

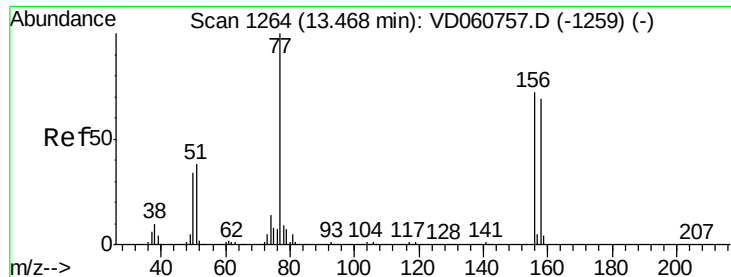
77 31.6 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 6.127 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

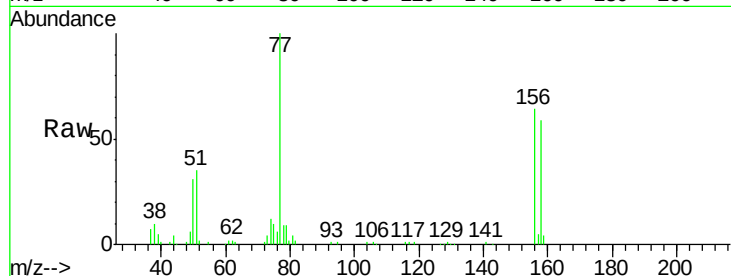
Tot Ion:156 Resp: 90445

Ion Ratio Lower Upper

156 100

77 155.8 61.3 183.9

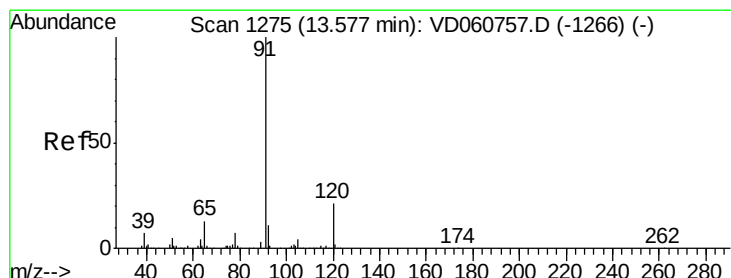
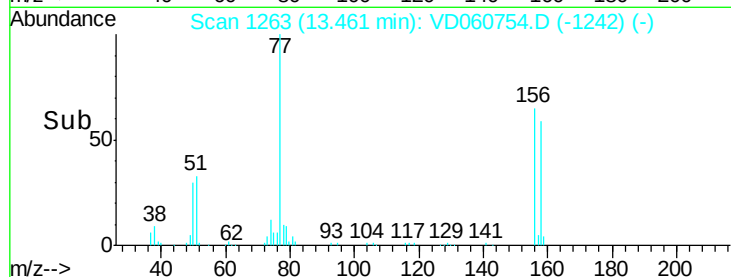
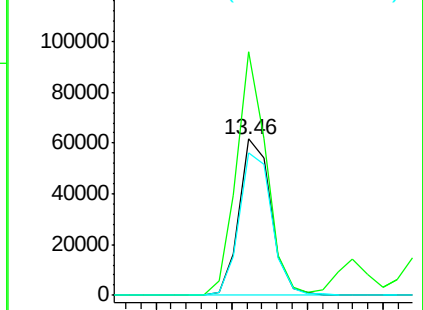
158 91.4 48.9 146.6



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: 5.757 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD060754.D

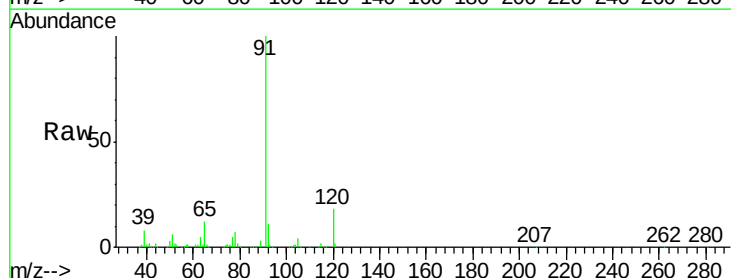
Acq: 18 Jan 2019 10:49

Tgt Ion: 91 Resp: 411521

Ion Ratio Lower Upper

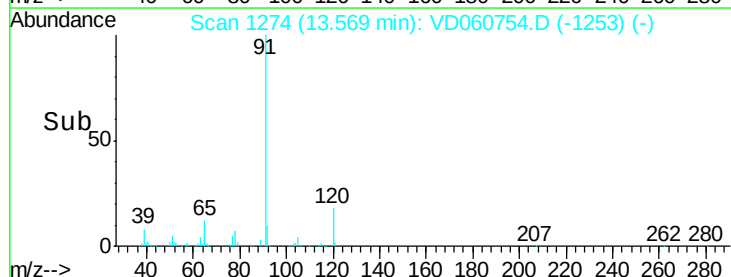
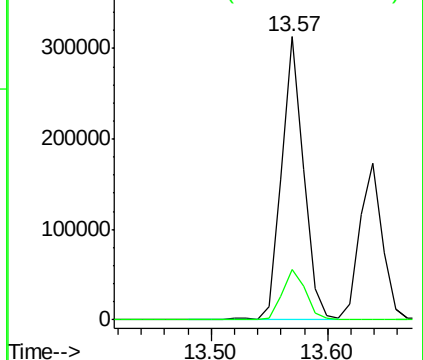
91 100

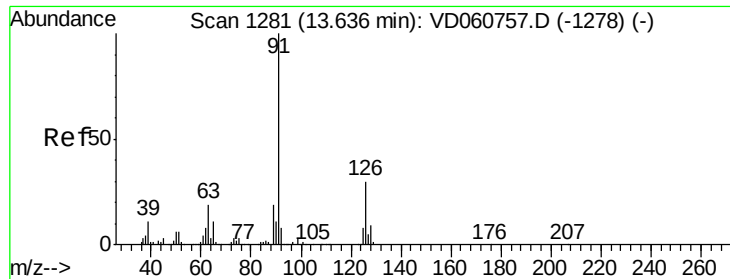
120 18.0 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

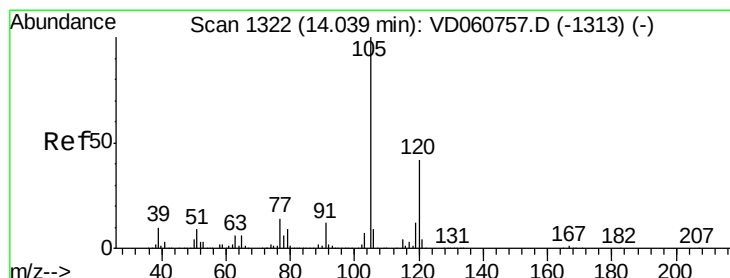
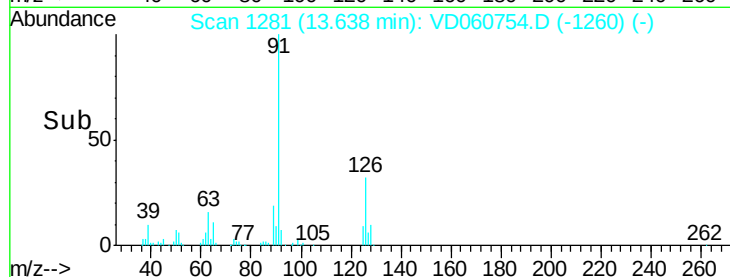
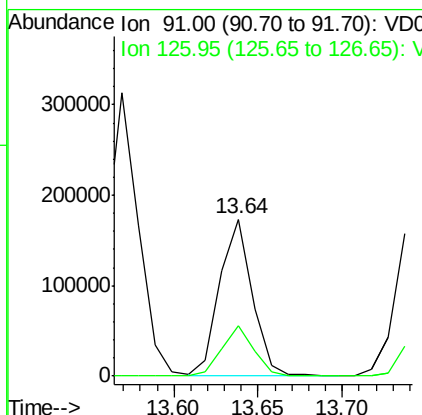
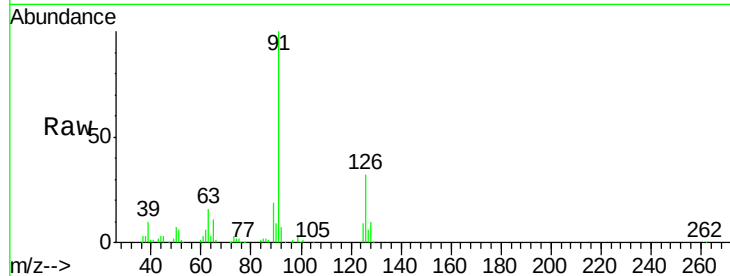




#79
 2-Chlorotoluene
 Concen: 6.113 ug/l
 RT: 13.64 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

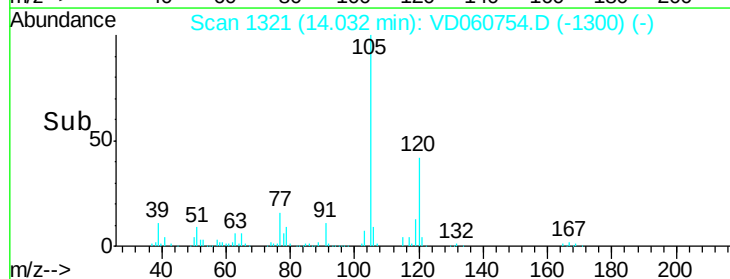
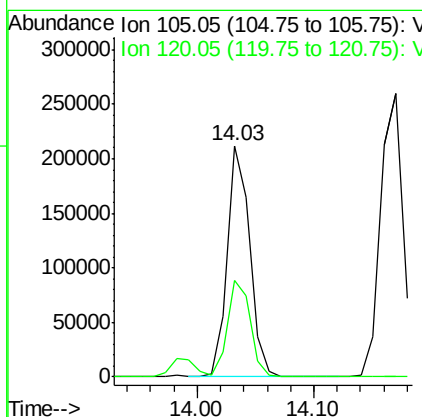
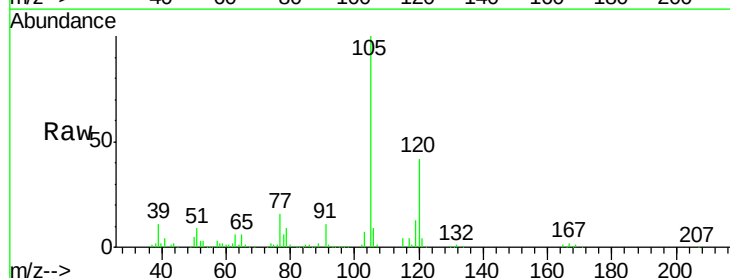
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

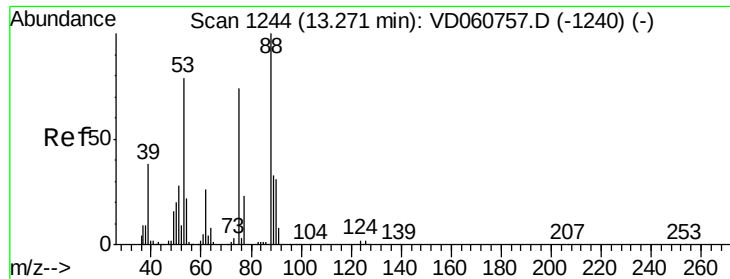
Tot Ion: 91 Resp: 234017
 Ion Ratio Lower Upper
 91 100
 126 31.9 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 6.571 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 105 Resp: 283697
 Ion Ratio Lower Upper
 105 100
 120 41.8 24.8 74.4

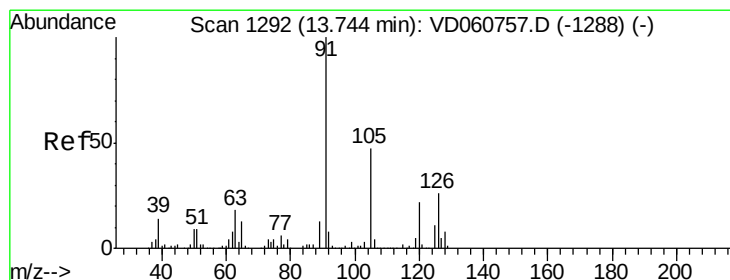
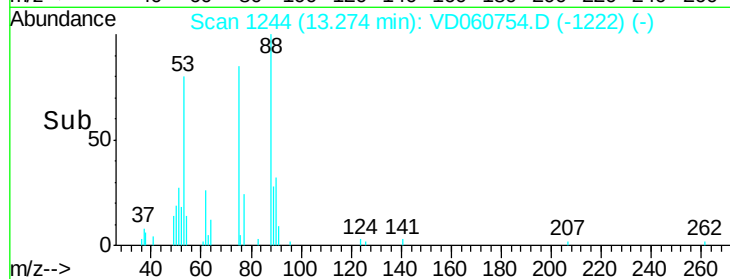
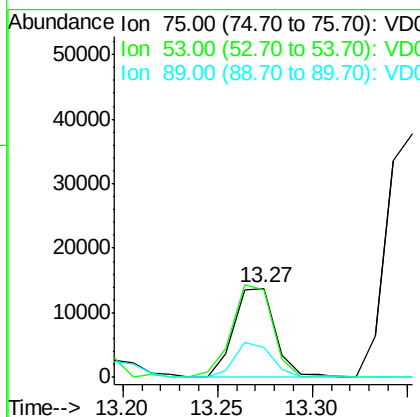
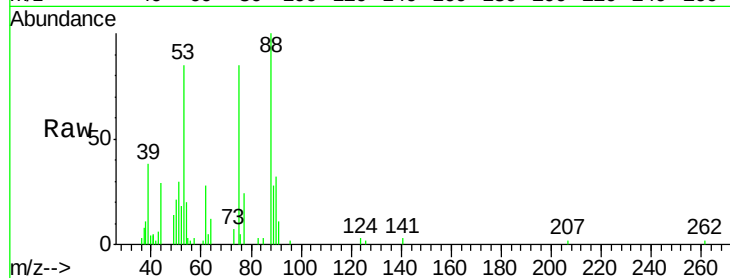




#81
trans-1,4-Dichloro-2-butene
Concen: 8.421 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

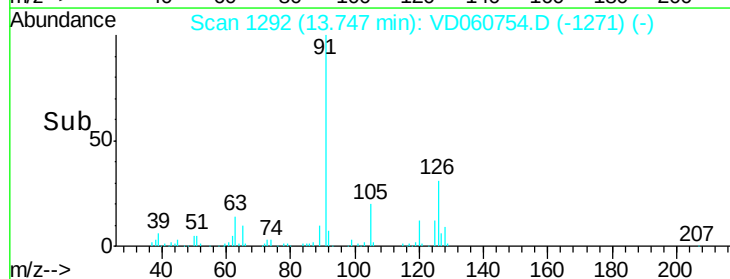
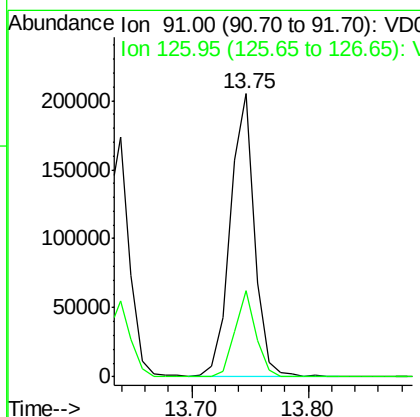
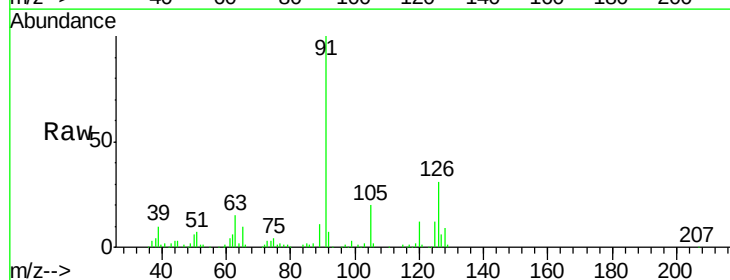
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

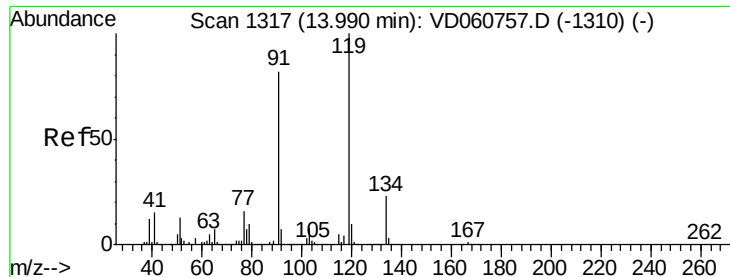
Tot Ion: 75 Resp: 20804
Ion Ratio Lower Upper
75 100
53 98.9 72.1 108.1
89 33.3 35.1 52.7#



#82
4-Chlorotoluene
Concen: 6.747 ug/l
RT: 13.75 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 91 Resp: 292770
Ion Ratio Lower Upper
91 100
126 30.5 14.6 43.8

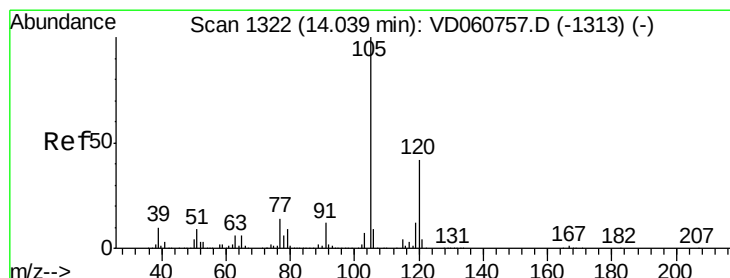
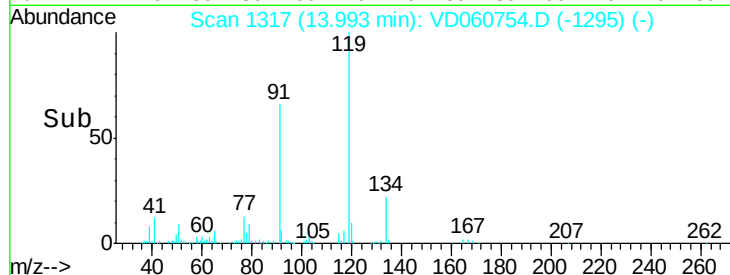
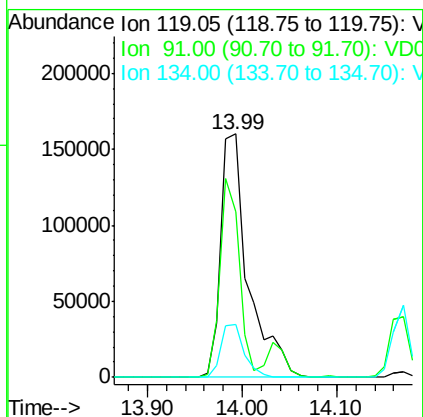
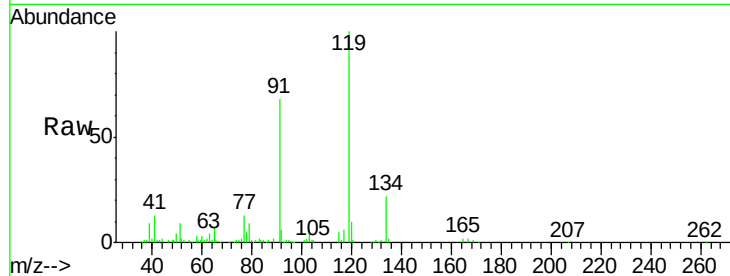




#83
 tert-Butylbenzene
 Concen: 6.545 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

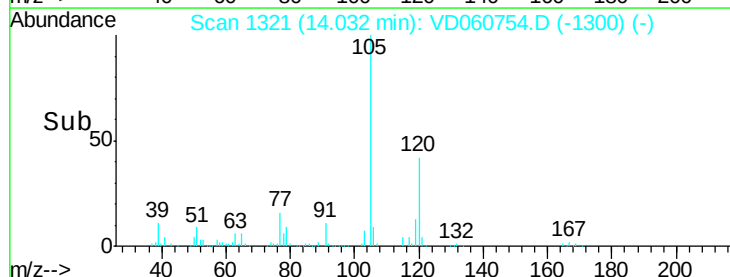
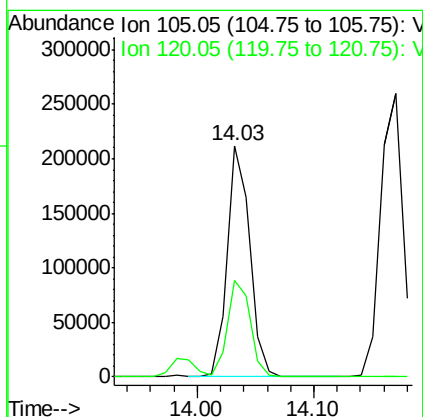
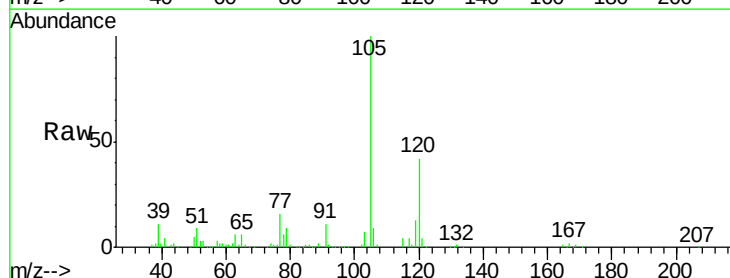
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

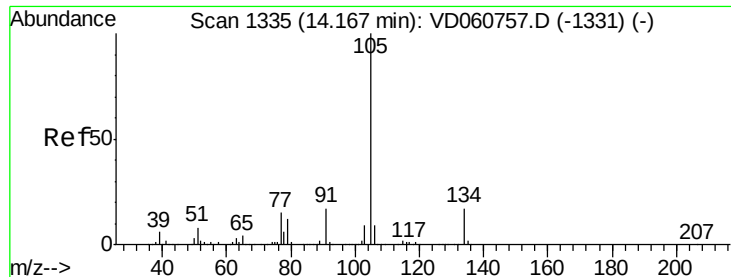
Tot Ion:119 Resp: 321569
 Ion Ratio Lower Upper
 119 100
 91 68.0 32.5 97.4
 134 21.6 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 6.380 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion:105 Resp: 283697
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 5.894 ug/l

RT: 14.17 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

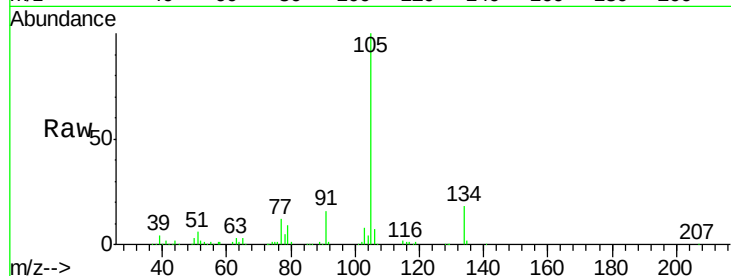
VSTDIC005

Tot Ion:105 Resp: 353181

Ion Ratio Lower Upper

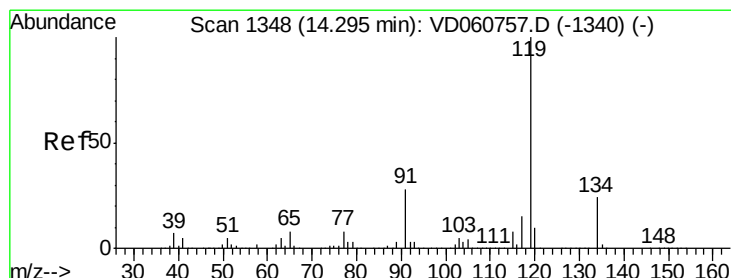
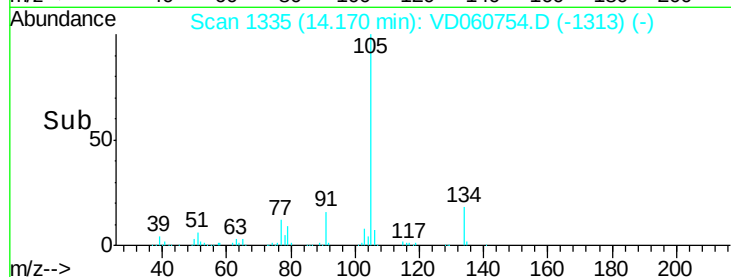
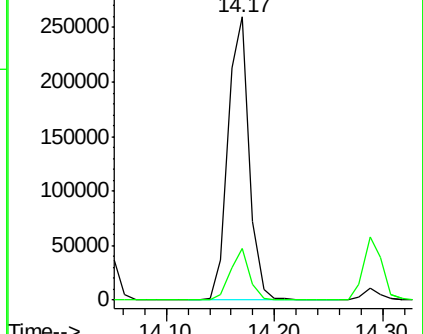
105 100

134 18.3 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 6.505 ug/l

RT: 14.29 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

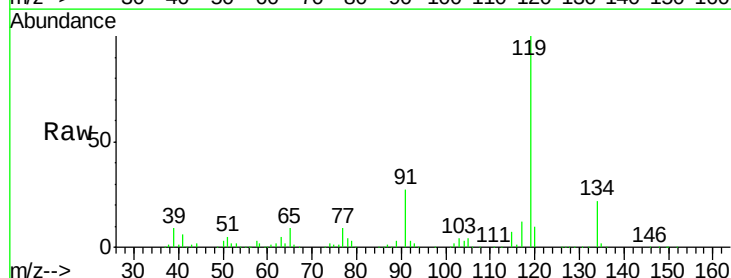
Tgt Ion:119 Resp: 314647

Ion Ratio Lower Upper

119 100

134 21.6 12.5 37.5

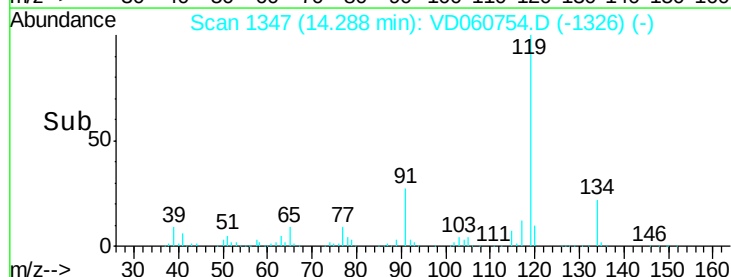
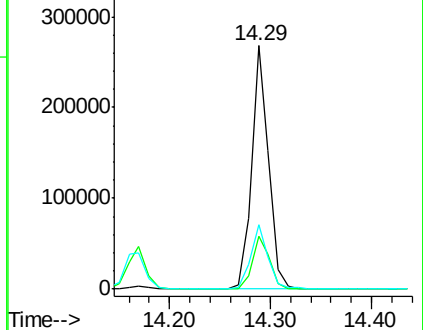
91 26.7 11.4 34.2

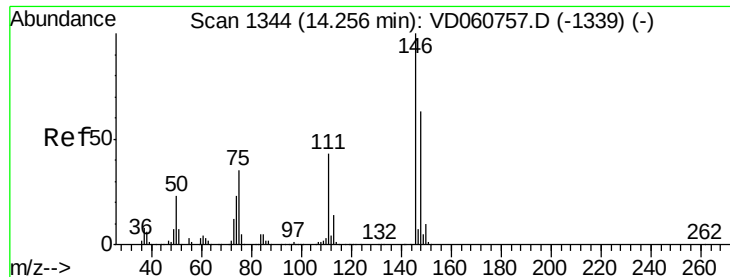


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

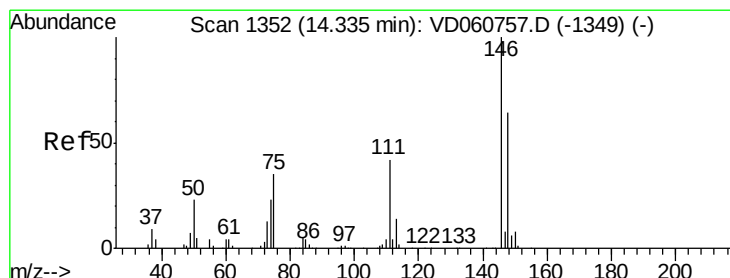
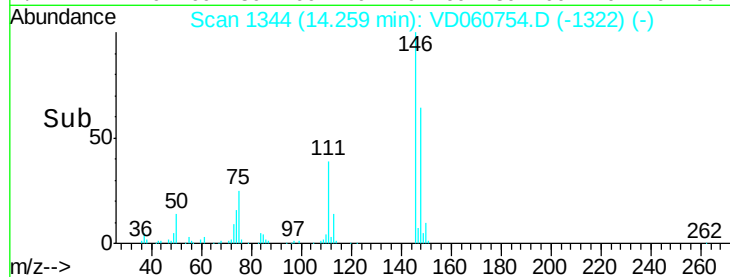
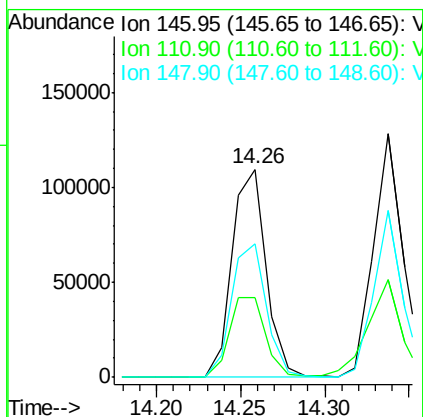
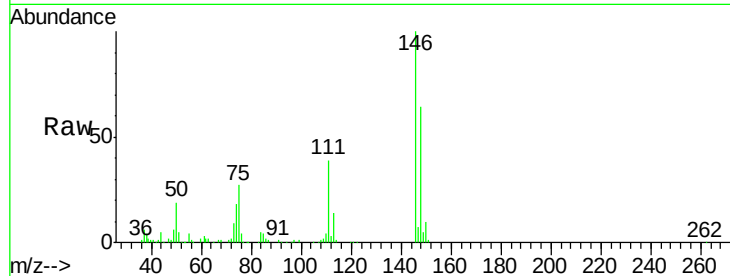




#87
 1,3-Dichlorobenzene
 Concen: 5.670 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

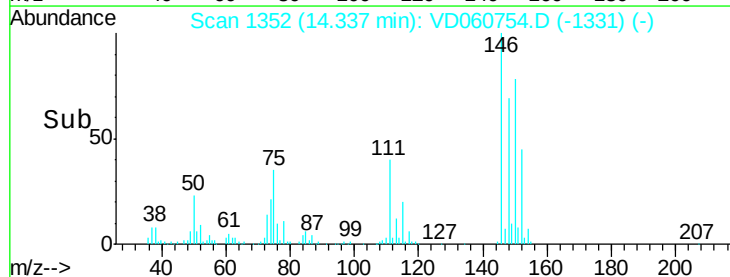
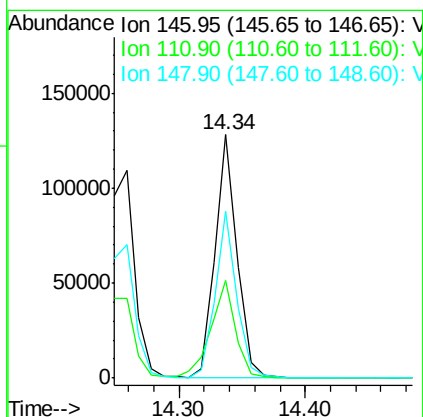
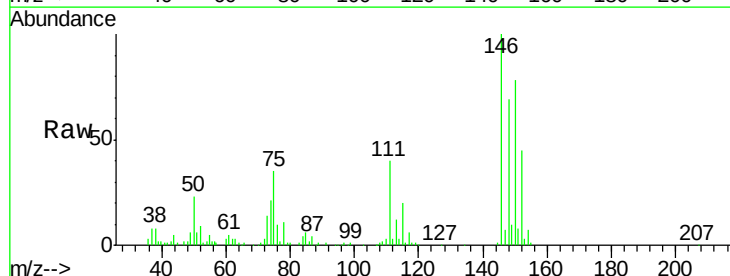
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

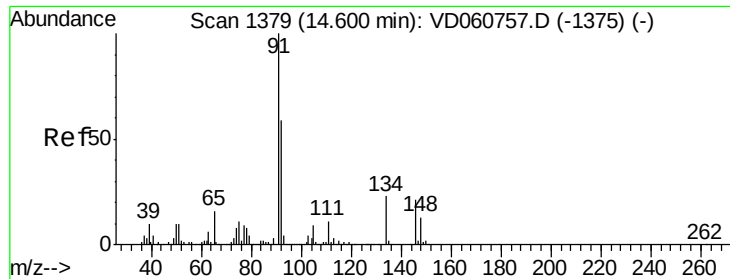
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	16.6	49.8
148	64.0	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 5.827 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	16.2	48.5
148	68.6	32.7	98.1

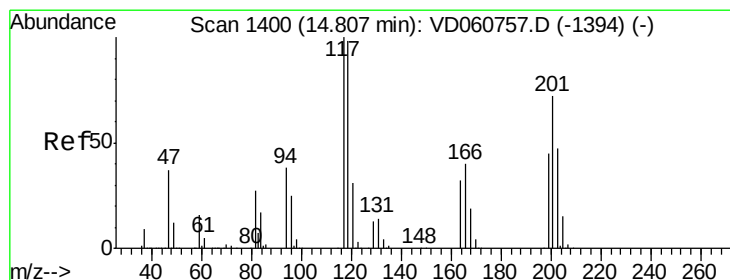
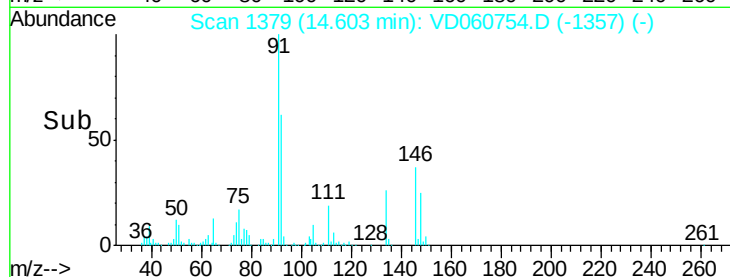
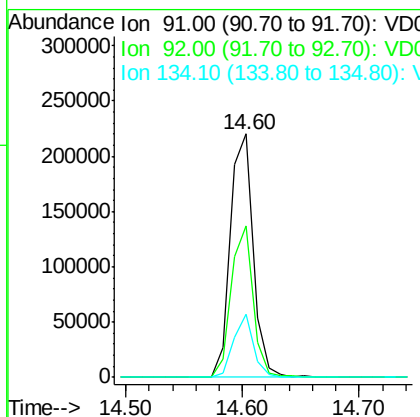
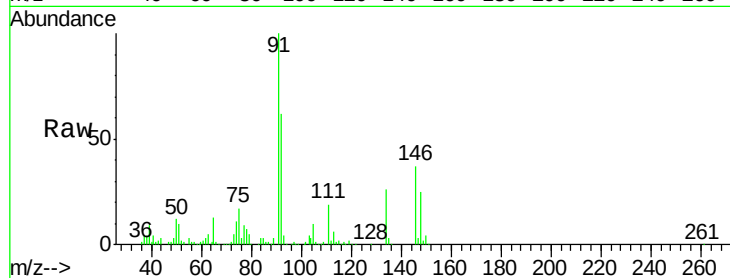




#89
n-Butylbenzene
Concen: 6.094 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

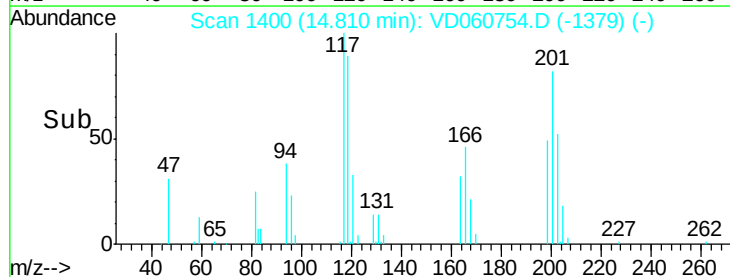
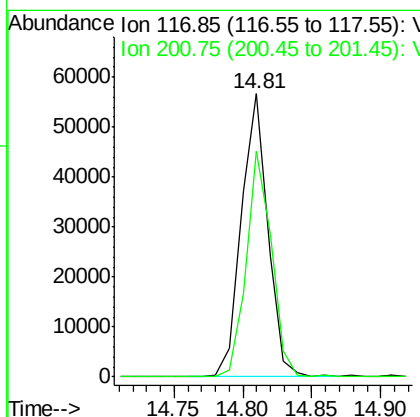
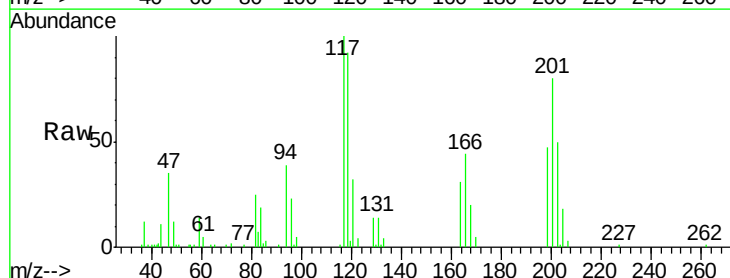
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

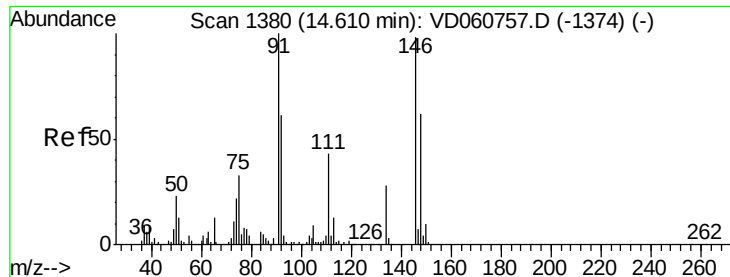
Tot Ion: 91 Resp: 301225
Ion Ratio Lower Upper
91 100
92 62.3 29.7 89.1
134 26.0 12.7 38.1



#90
Hexachloroethane
Concen: 6.394 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 117 Resp: 75975
Ion Ratio Lower Upper
117 100
201 79.8 42.6 127.8

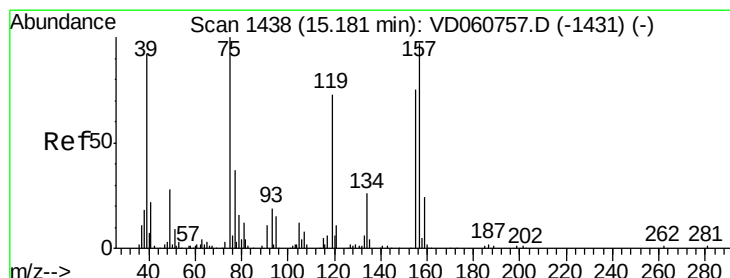
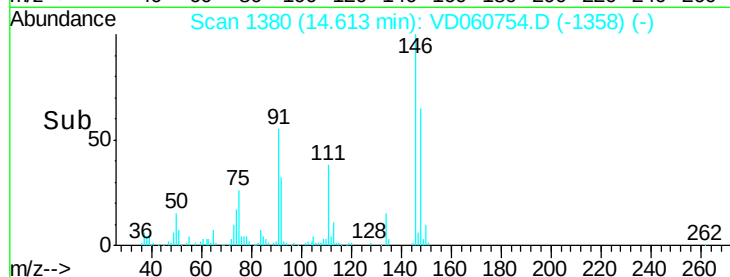
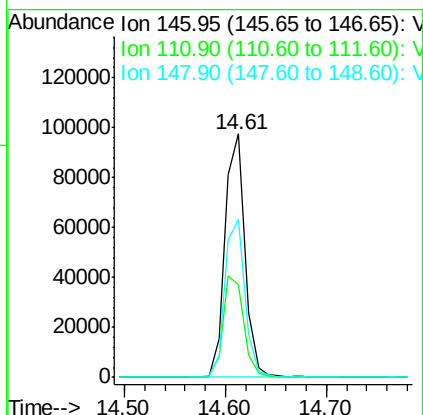
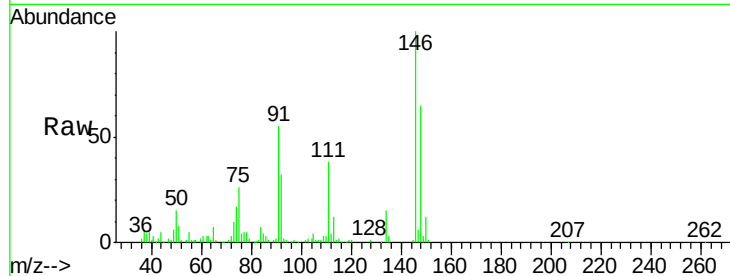




#91
 1,2-Dichlorobenzene
 Concen: 6.198 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

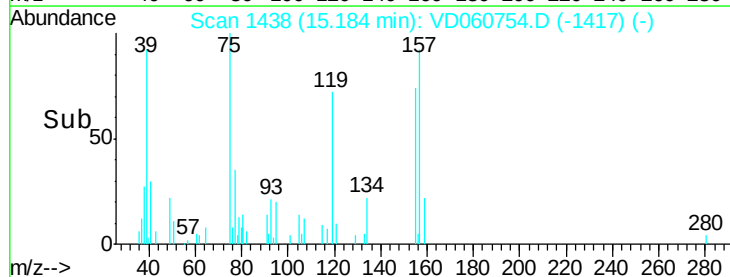
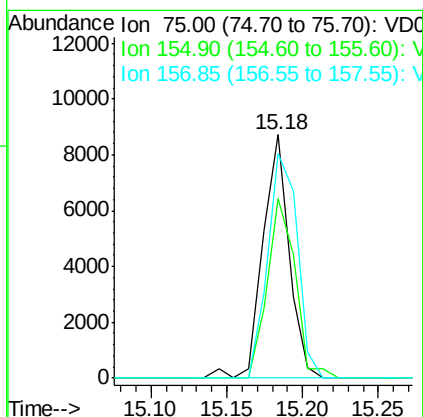
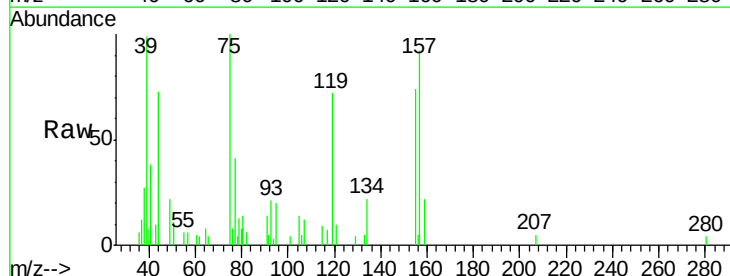
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

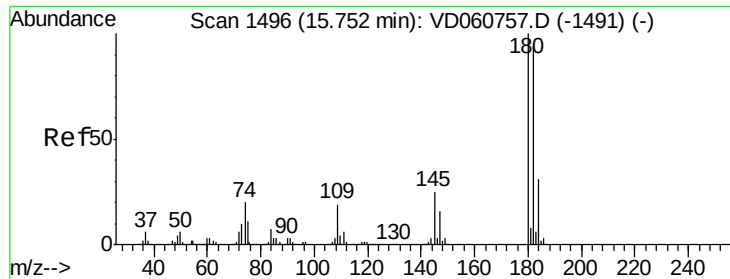
Tot Ion:146 Resp: 134732
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.9
 148 64.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.960 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Tgt Ion: 75 Resp: 10604
 Ion Ratio Lower Upper
 75 100
 155 73.8 41.1 123.4
 157 92.1 52.5 157.6

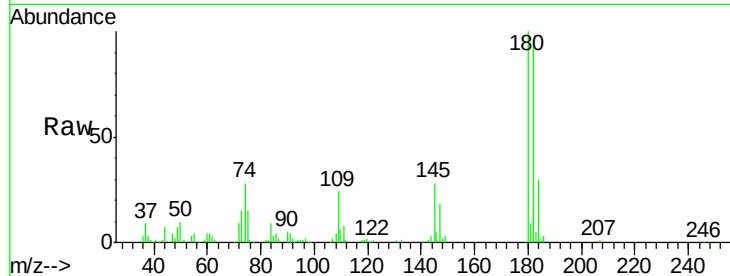




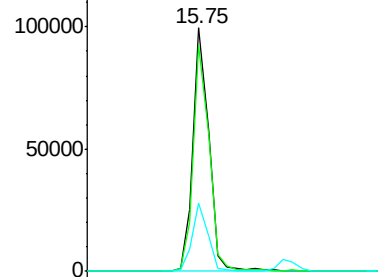
#93
 1,2,4-Trichlorobenzene
 Concen: 6.666 ug/l
 RT: 15.75 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

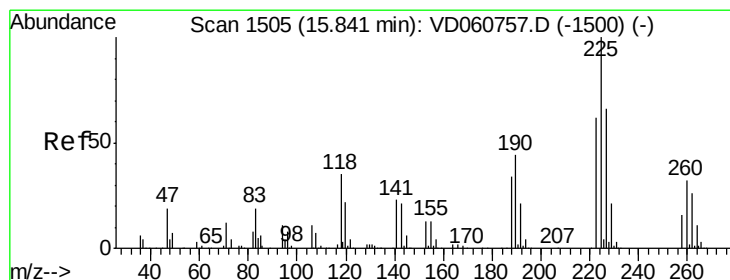
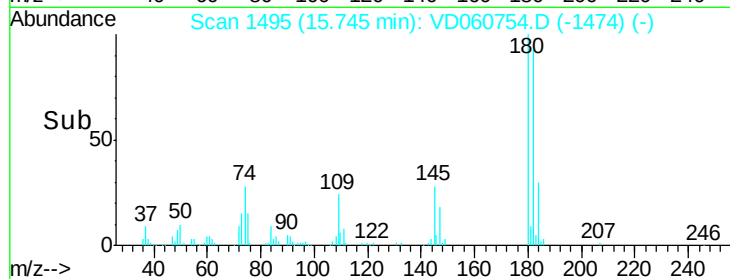
Tot Ion:180 Resp: 115292
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.8 146.4
 145 28.2 11.8 35.3



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

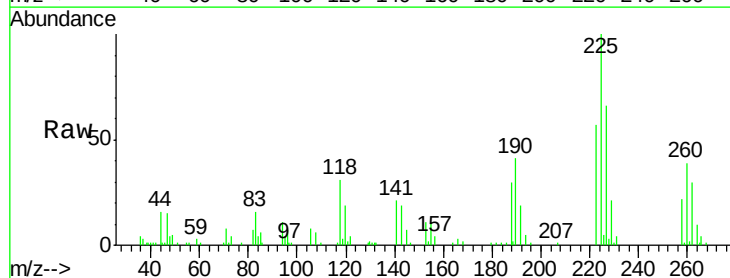


Time-->

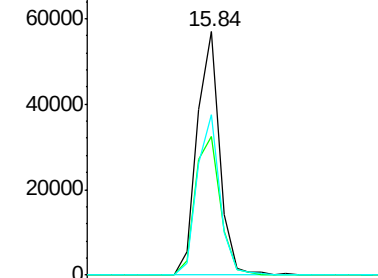


#94
 Hexachlorobutadiene
 Concen: 5.488 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VD060754.D
 Acq: 18 Jan 2019 10:49

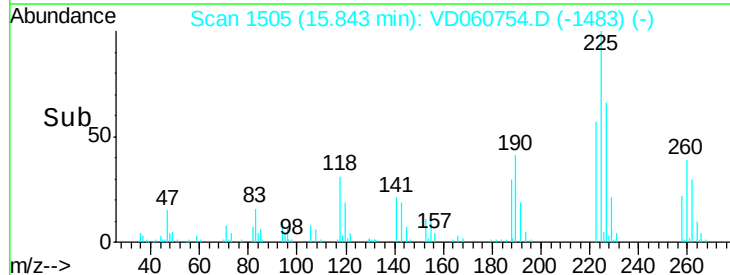
Tgt Ion:225 Resp: 70162
 Ion Ratio Lower Upper
 225 100
 223 56.7 31.3 93.8
 227 65.6 32.5 97.4

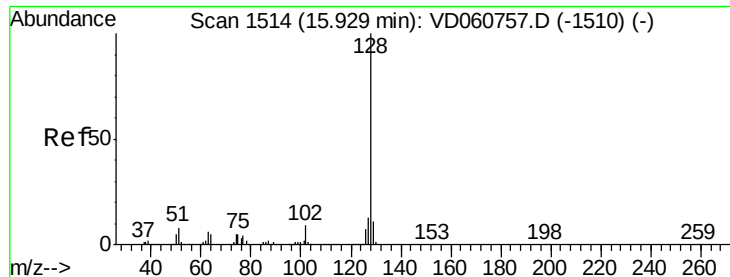


Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V



Time-->





#95

Naphthalene

Concen: 8.125 ug/l

RT: 15.92 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

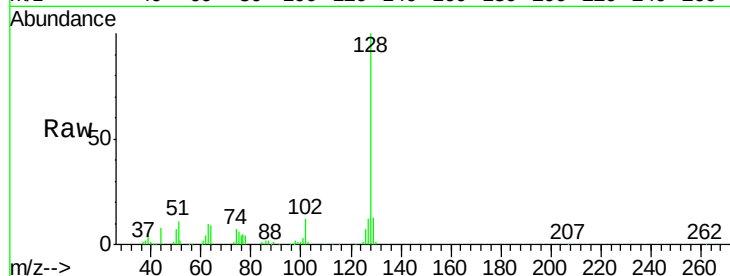
Tot Ion:128 Resp: 167037

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

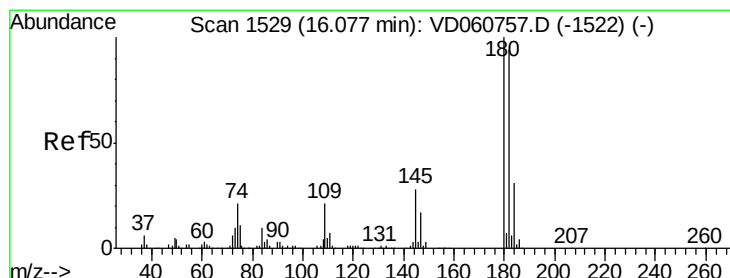
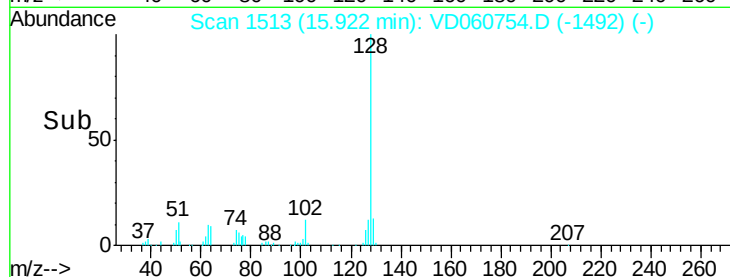
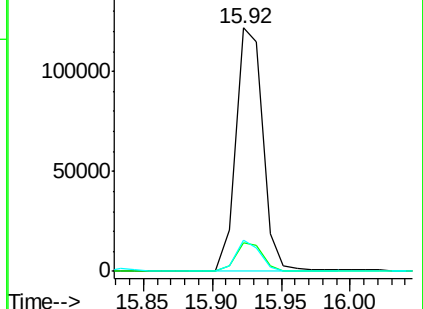
129 12.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 6.143 ug/l

RT: 16.07 min Scan# 1528

Delta R.T. 0.00 min

Lab File: VD060754.D

Acq: 18 Jan 2019 10:49

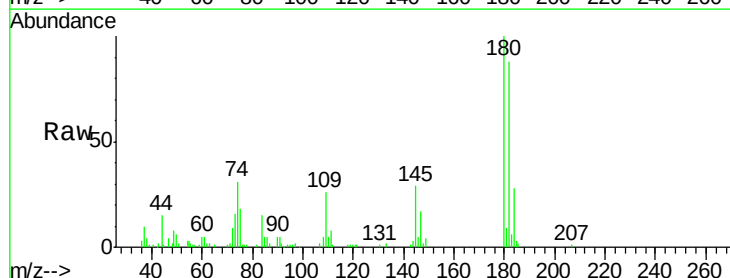
Tgt Ion:180 Resp: 83057

Ion Ratio Lower Upper

180 100

182 88.2 48.6 145.9

145 28.8 12.6 37.8



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

