

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059576.D
 Acq On : 24 Jul 2018 17:46
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 25 05:40:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 05:39:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	146455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	194488	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	161354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	80689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.97	65	35486	33.64	ug/l	0.00
Spiked Amount			Recovery	=	67.28%	
35) Dibromofluoromethane	5.50	113	32833	21.70	ug/l	0.00
Spiked Amount			Recovery	=	43.40%	
50) Toluene-d8	8.68	98	75556	21.98	ug/l	0.00
Spiked Amount			Recovery	=	43.96%	
62) 4-Bromofluorobenzene	11.91	95	34609	25.04	ug/l	0.00
Spiked Amount			Recovery	=	50.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	43012	37.054	ug/l	95
3) Chloromethane	1.45	50	20159	34.442	ug/l	97
4) Vinyl Chloride	1.53	62	18520	32.572	ug/l	100
5) Bromomethane	1.74	94	3346	37.685	ug/l #	74
6) Chloroethane	1.82	64	2629	12.370	ug/l #	43
7) Trichlorofluoromethane	2.03	101	32970	32.283	ug/l	96
8) Diethyl Ether	2.30	74	5142	29.194	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.50	101	18160	32.817	ug/l	94
10) Methyl Iodide	2.64	142	20392	28.114	ug/l	91
11) Tert butyl alcohol	3.25	59	7430	214.300	ug/l #	80
12) 1,1-Dichloroethene	2.49	96	12637	28.831	ug/l	95
13) Acrolein	2.43	56	3999	112.697	ug/l	85
14) Allyl chloride	2.87	41	29602	36.744	ug/l	93
15) Acrylonitrile	3.32	53	16218	184.827	ug/l	99
16) Acetone	2.58	43	27139	209.621	ug/l	97
17) Carbon Disulfide	2.71	76	46093	29.832	ug/l	99
18) Methyl Acetate	2.89	43	9877	24.990	ug/l #	92
19) Methyl tert-butyl Ether	3.37	73	41525	27.380	ug/l	93
20) Methylene Chloride	3.02	84	15058	24.171	ug/l	97
21) trans-1,2-Dichloroethene	3.34	96	13483	24.794	ug/l	88
22) Diisopropyl ether	4.02	45	79490	30.093	ug/l	98
23) Vinyl Acetate	3.97	43	256696	188.809	ug/l	99
24) 1,1-Dichloroethane	3.92	63	50485	28.640	ug/l	98
25) 2-Butanone	4.80	43	42878	168.204	ug/l	94
26) 2,2-Dichloropropane	4.75	77	51432	43.476	ug/l	99
27) cis-1,2-Dichloroethene	4.75	96	27823	25.477	ug/l	92
28) Bromochloromethane	5.10	49	20716	32.367	ug/l	95
29) Tetrahydrofuran	5.15	42	19432	154.085	ug/l	98
30) Chloroform	5.27	83	59354	29.309	ug/l	99
31) Cyclohexane	5.55	56	37292	30.645	ug/l	90
32) 1,1,1-Trichloroethane	5.46	97	57198	31.596	ug/l	98
36) 1,1-Dichloropropene	5.70	75	40761	25.129	ug/l	97
37) Ethyl Acetate	4.88	43	20319	28.382	ug/l	96
38) Carbon Tetrachloride	5.68	117	53421	26.458	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	36312	23.093	ug/l	92
40) Benzene	5.97	78	82493	21.914	ug/l	99
41) Methacrylonitrile	5.08	41	10300	28.673	ug/l #	91
42) 1,2-Dichloroethane	6.09	62	48248	29.885	ug/l	98
43) Isopropyl Acetate	7.59	43	27466	27.779	ug/l	94
44) Trichloroethene	6.95	130	28391	17.194	ug/l	96
45) 1,2-Dichloropropane	7.31	63	21996	22.993	ug/l	99
46) Dibromomethane	7.43	93	18565	24.759	ug/l	98
47) Bromodichloromethane	7.70	83	45308	25.738	ug/l	96
48) Methyl methacrylate	7.48	41	18978	28.662	ug/l	98
49) 1,4-Dioxane	7.46	88	3669	521.274	ug/l	92
51) 4-Methyl-2-Pentanone	8.57	43	94054	141.749	ug/l	98
52) Toluene	8.78	92	55104	22.776	ug/l	100
53) t-1,3-Dichloropropene	9.16	75	39935	28.404	ug/l	97
54) cis-1,3-Dichloropropene	8.32	75	40192	26.003	ug/l	98
55) 1,1,2-Trichloroethane	9.42	97	20611	23.596	ug/l	94
56) Ethyl methacrylate	9.29	69	24500	25.808	ug/l	98
57) 1,3-Dichloropropane	9.63	76	31744	23.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.16	63	50208	116.653	ug/l	98
59) 2-Hexanone	9.76	43	72172	151.530	ug/l	96
60) Dibromochloromethane	9.93	129	33293	21.240	ug/l	99
61) 1,2-Dibromoethane	10.06	107	24390	23.729	ug/l	96
64) Tetrachloroethene	9.48	164	28809	13.312	ug/l	94
65) Chlorobenzene	10.70	112	66781	21.015	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.83	131	28233	20.854	ug/l	95
67) Ethyl Benzene	10.84	91	116273	24.456	ug/l	98
68) m/p-Xylenes	10.99	106	75542	43.543	ug/l	94
69) o-Xylene	11.39	106	37263	22.076	ug/l	95
70) Styrene	11.41	104	61742	22.136	ug/l	95
71) Bromoform	11.58	173	22973	18.395	ug/l	99
73) Isopropylbenzene	11.76	105	114710	26.530	ug/l	98
74) N-amyl acetate	11.63	43	37256	32.222	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.06	83	23692	27.193	ug/l	100
76) 1,2,3-Trichloropropane	12.09	75	27626	30.763	ug/l	99
77) Bromobenzene	12.02	156	33094	19.593	ug/l	94
78) n-propylbenzene	12.14	91	142789	28.535	ug/l	98
79) 2-Chlorotoluene	12.20	91	82941	27.850	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	89621	26.793	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.83	75	6392	32.557	ug/l #	85
82) 4-Chlorotoluene	12.31	91	93152	28.126	ug/l	94
83) tert-Butylbenzene	12.56	119	102023	27.849	ug/l	97
84) 1,2,4-Trimethylbenzene	12.61	105	94647	27.251	ug/l	97
85) sec-Butylbenzene	12.74	105	117084	28.312	ug/l	96
86) p-Isopropyltoluene	12.88	119	95735	25.299	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	57031	20.854	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	53925	20.122	ug/l	97
89) n-Butylbenzene	13.18	91	93941	29.707	ug/l	97
90) Hexachloroethane	13.39	117	25851	25.509	ug/l	92
91) 1,2-Dichlorobenzene	13.18	146	47354	20.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4293	29.380	ug/l	98

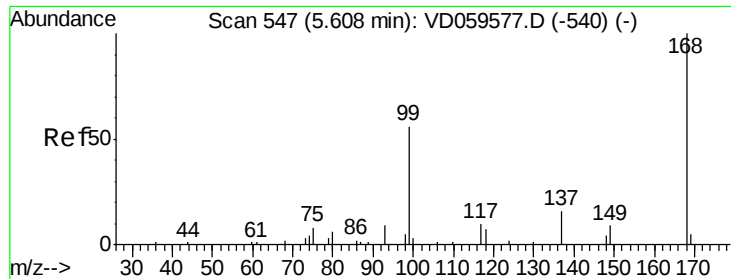
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	37630	19.149	ug/l	98
94) Hexachlorobutadiene	14.42	225	30729	21.292	ug/l	97
95) Naphthalene	14.50	128	55919	23.488	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	36098	20.640	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

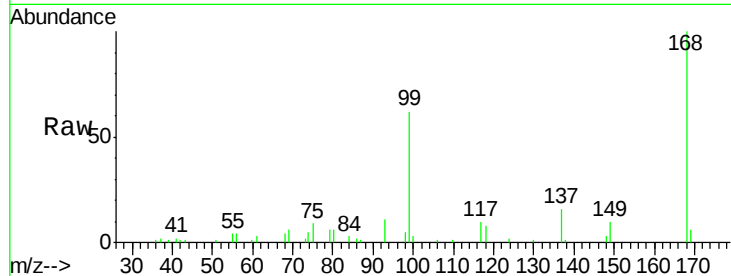
VSTDIC020

Tot Ion:168 Resp: 146455

Ion Ratio Lower Upper

168 100

99 62.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.60

60000

50000

40000

30000

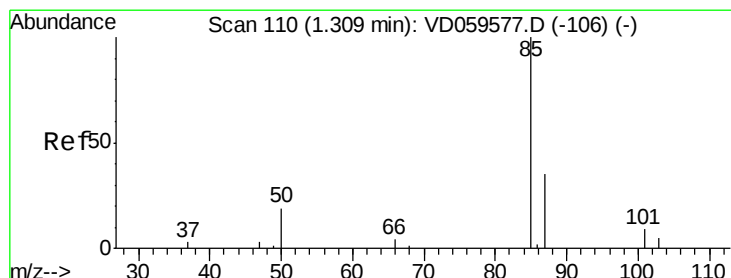
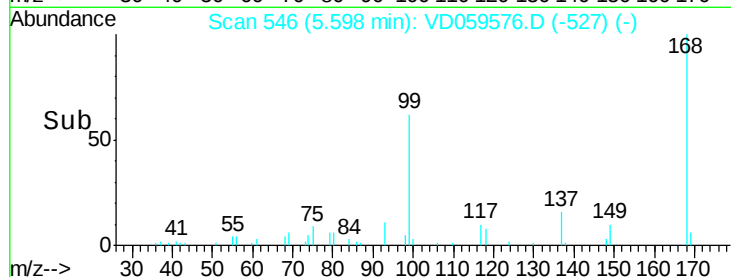
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 37.054 ug/l

RT: 1.31 min Scan# 110

Delta R.T. 0.00 min

Lab File: VD059576.D

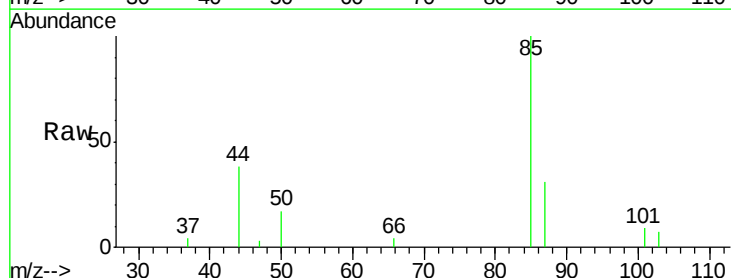
Acq: 24 Jul 2018 17:46

Tgt Ion: 85 Resp: 43012

Ion Ratio Lower Upper

85 100

87 31.4 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.31

25000

20000

15000

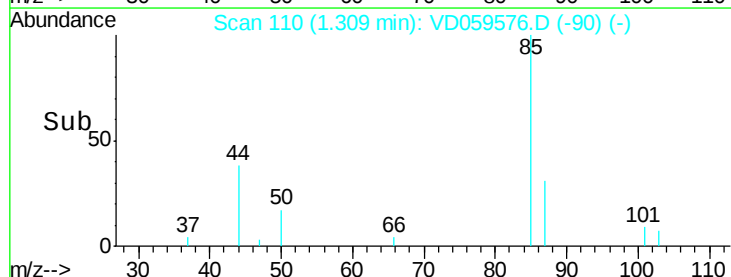
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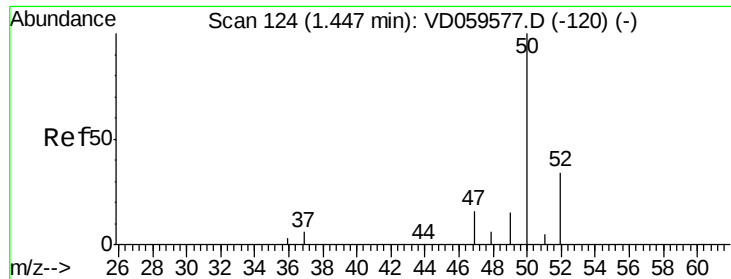
5000

0

Time-->

1.20 1.30 1.40





#3

Chloromethane

Concen: 34.442 ug/l

RT: 1.45 min Scan# 124

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

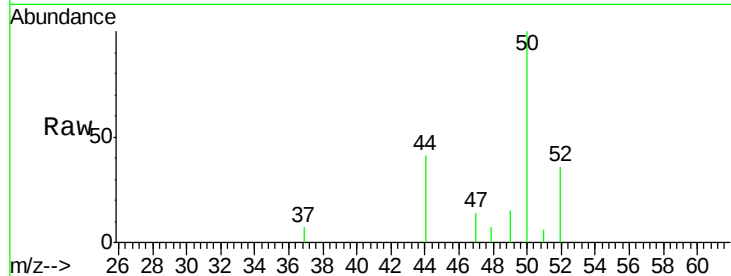
VSTDIC020

Tot Ion: 50 Resp: 20159

Ion Ratio Lower Upper

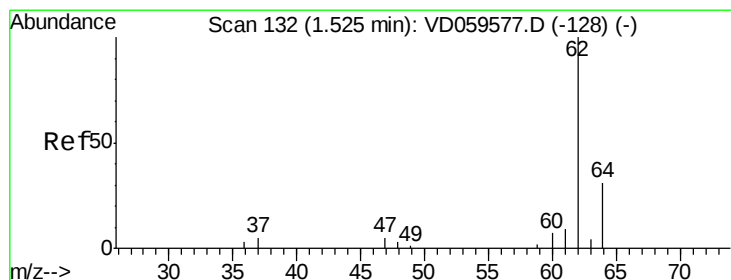
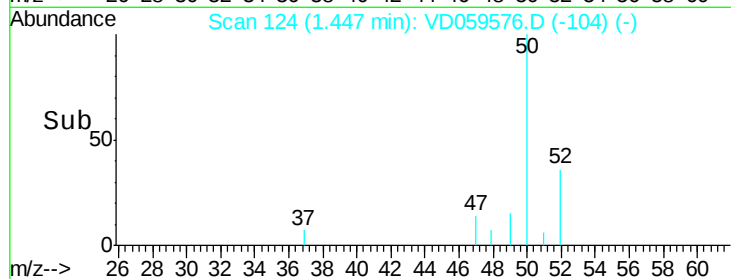
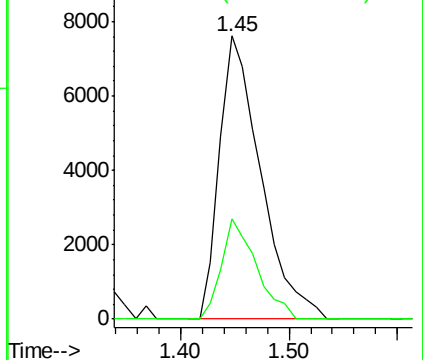
50 100

52 35.6 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 32.572 ug/l

RT: 1.53 min Scan# 132

Delta R.T. 0.00 min

Lab File: VD059576.D

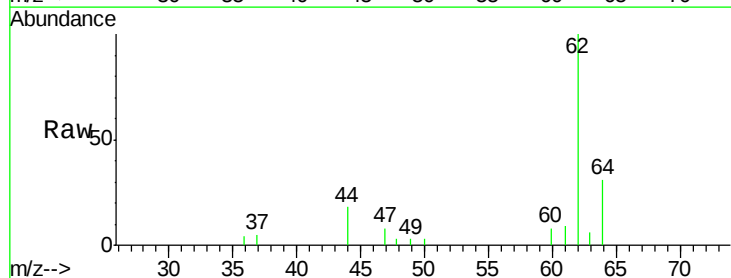
Acq: 24 Jul 2018 17:46

Tgt Ion: 62 Resp: 18520

Ion Ratio Lower Upper

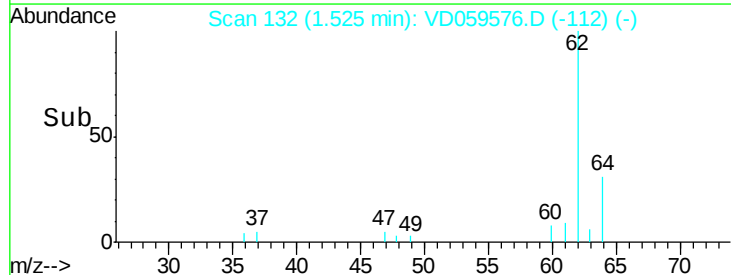
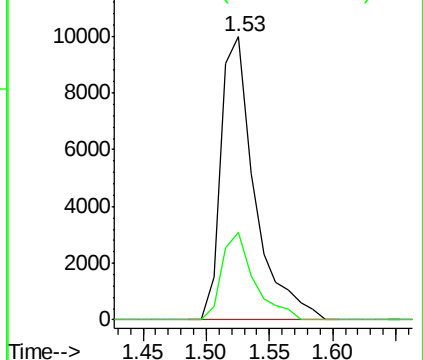
62 100

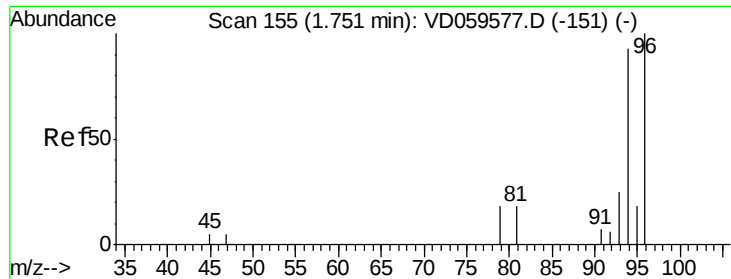
64 31.1 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 37.685 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

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ClientSampleId :

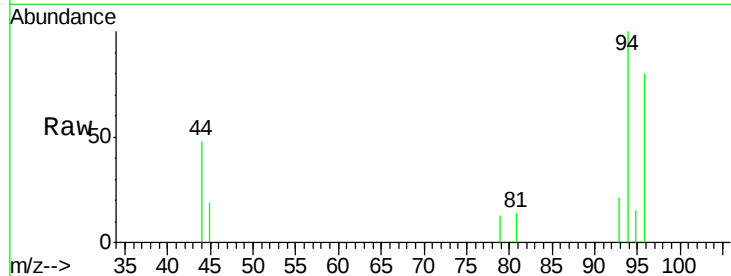
VSTDIC020

Tot Ion: 94 Resp: 3346

Ion Ratio Lower Upper

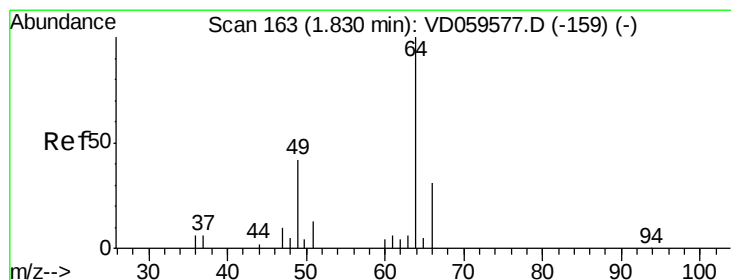
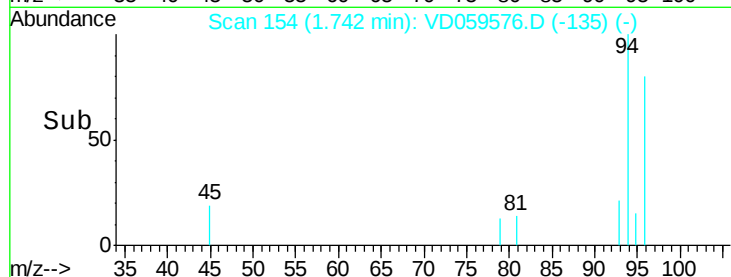
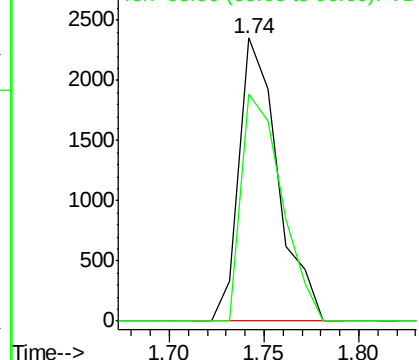
94 100

96 80.1 86.2 129.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.370 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD059576.D

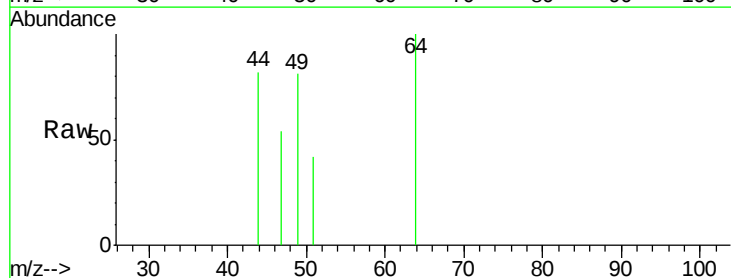
Acq: 24 Jul 2018 17:46

Tgt Ion: 64 Resp: 2629

Ion Ratio Lower Upper

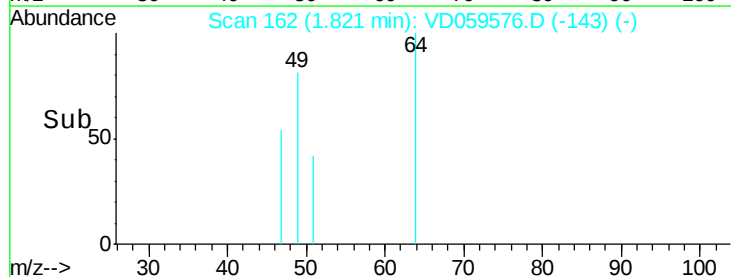
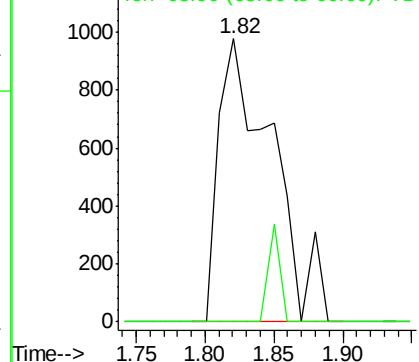
64 100

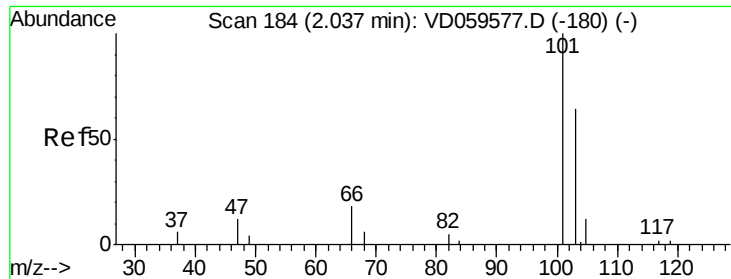
66 0.0 25.2 37.8#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



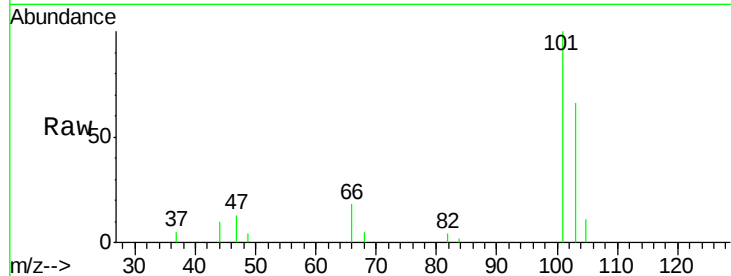


#7

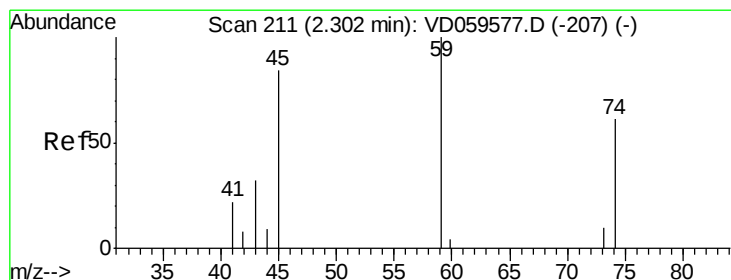
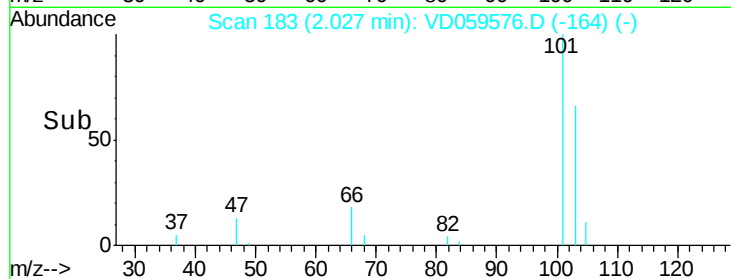
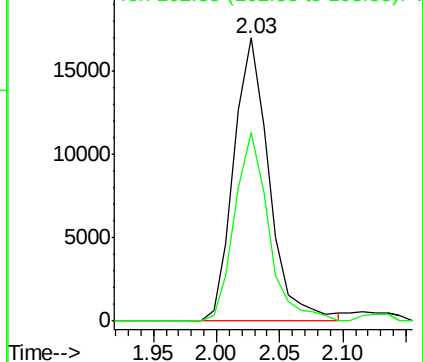
Trichlorofluoromethane
Concen: 32.283 ug/l
RT: 2.03 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 32970
Ion Ratio Lower Upper
101 100
103 66.5 50.9 76.3



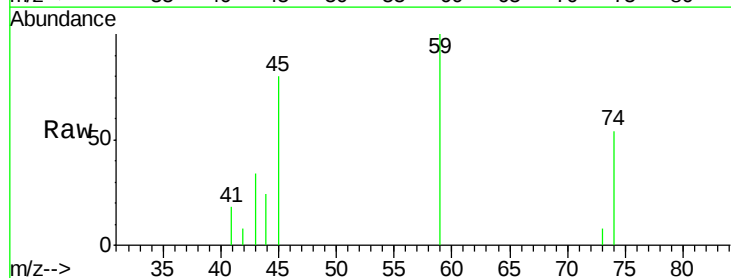
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



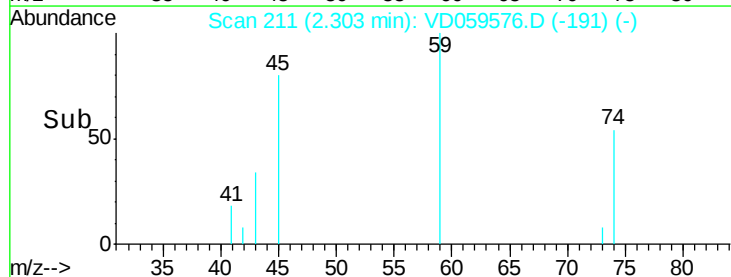
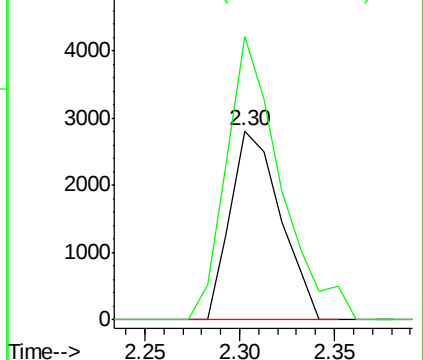
#8

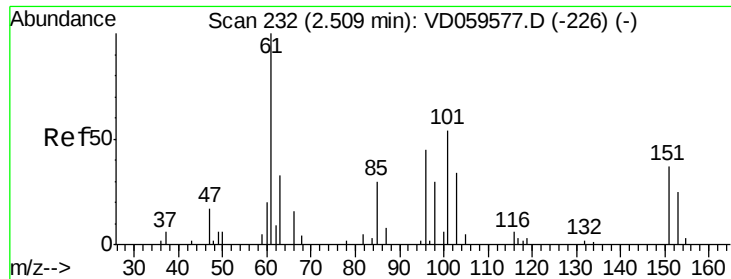
Diethyl Ether
Concen: 29.194 ug/l
RT: 2.30 min Scan# 211
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion: 74 Resp: 5142
Ion Ratio Lower Upper
74 100
45 149.8 69.0 207.0



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: 32.817 ug/l

RT: 2.50 min Scan# 231

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

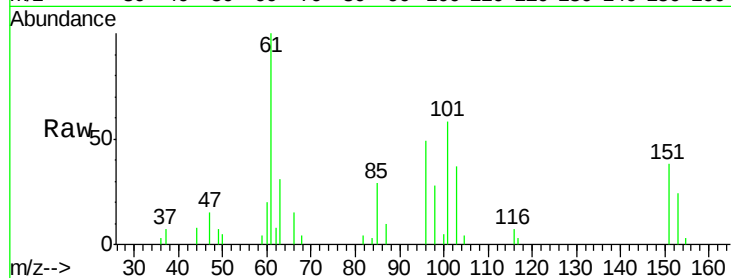
Tot Ion:101 Resp: 18160

Ion Ratio Lower Upper

101 100

85 49.7 44.5 66.7

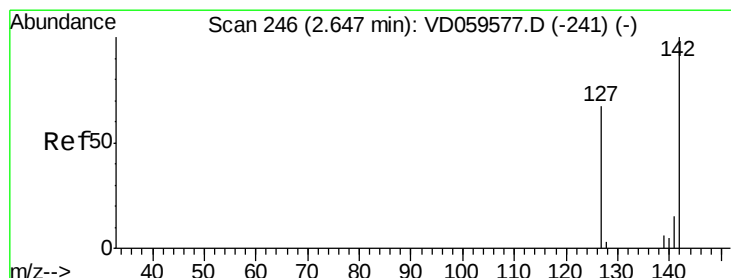
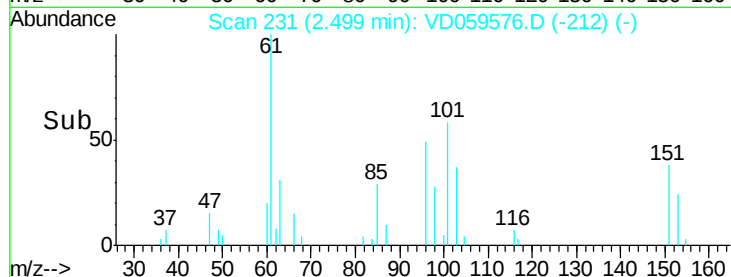
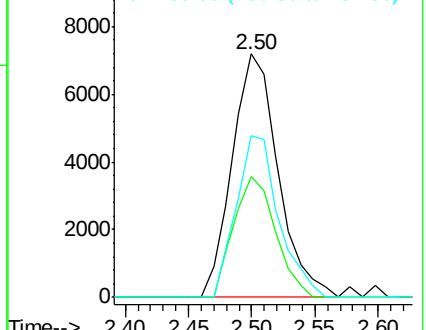
151 66.3 55.4 83.0



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: 28.114 ug/l

RT: 2.64 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

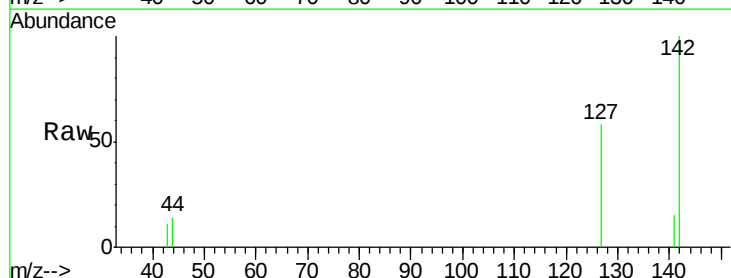
Tgt Ion:142 Resp: 20392

Ion Ratio Lower Upper

142 100

127 57.9 53.6 80.4

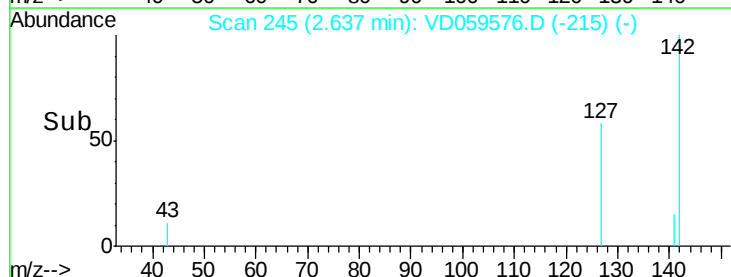
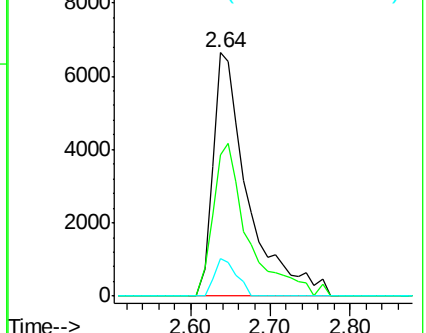
141 15.3 12.2 18.2

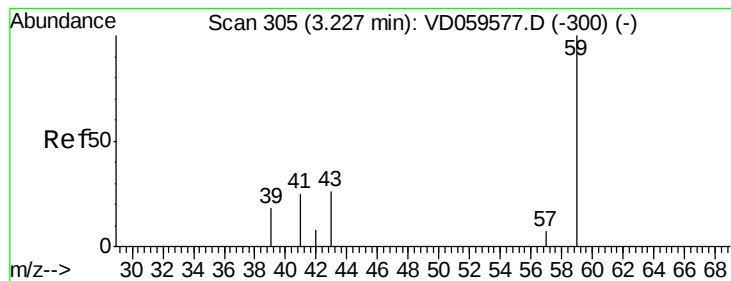


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



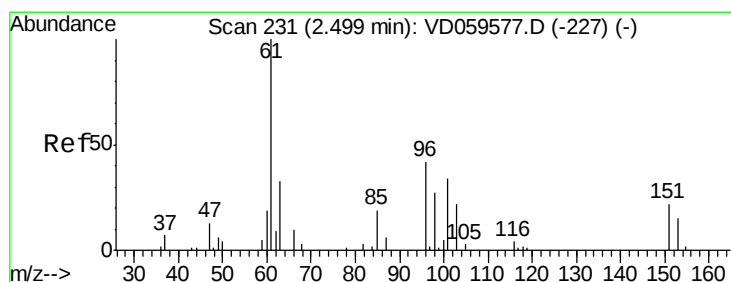
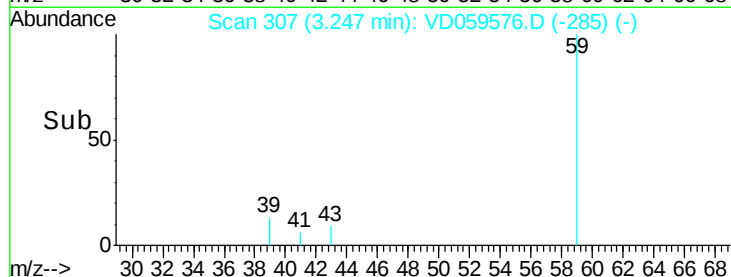
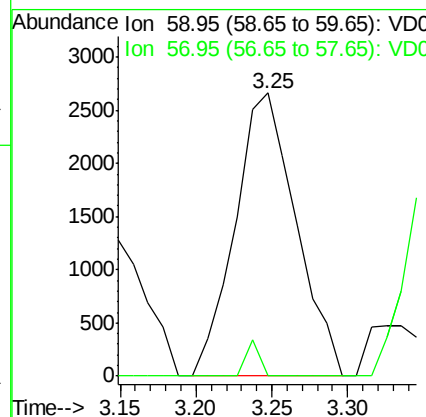
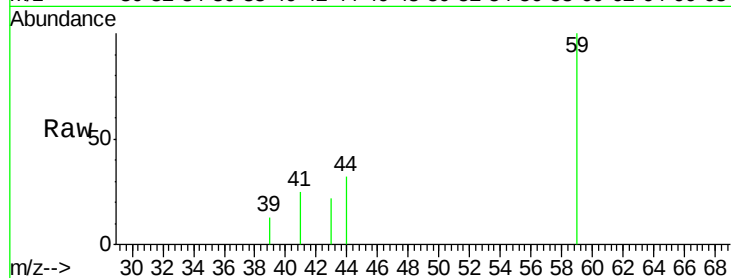


#11

Tert butyl alcohol
 Concen: 214.300 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

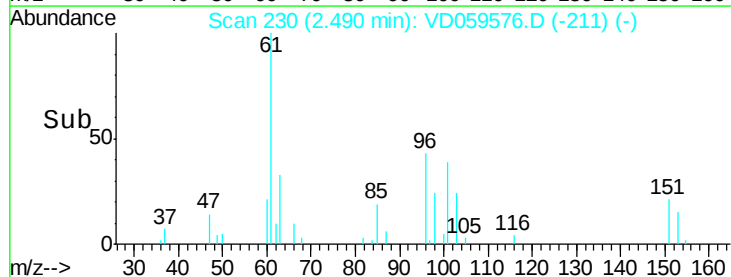
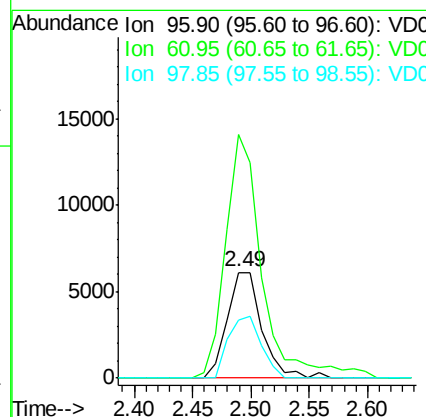
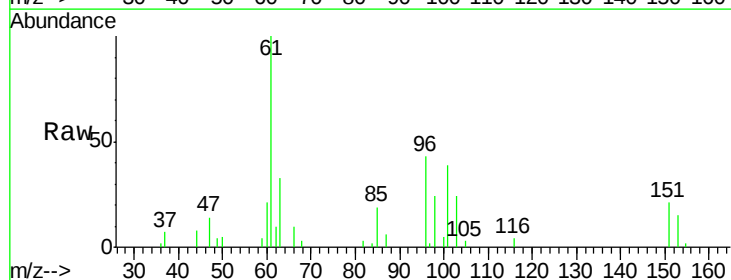
Tot Ion: 59 Resp: 7430
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#

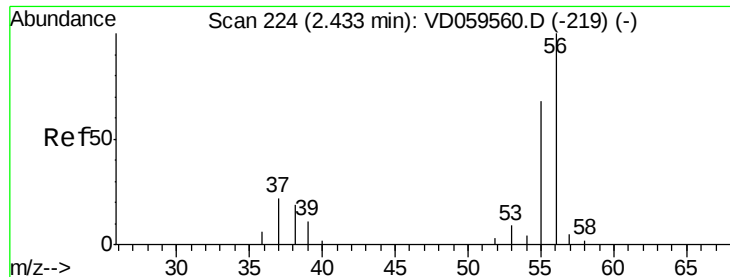


#12

1,1-Dichloroethene
 Concen: 28.831 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion: 96 Resp: 12637
 Ion Ratio Lower Upper
 96 100
 61 230.4 188.8 283.2
 98 55.2 51.4 77.2





#13

Acrolein

Concen: 112.697 ug/l

RT: 2.43 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

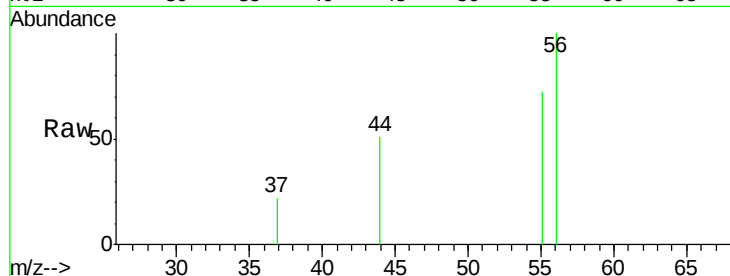
VSTDIC020

Tot Ion: 56 Resp: 3999

Ion Ratio Lower Upper

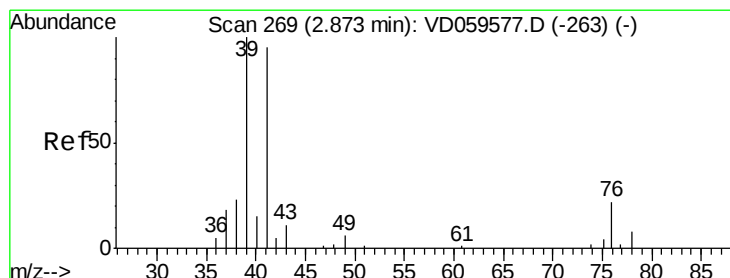
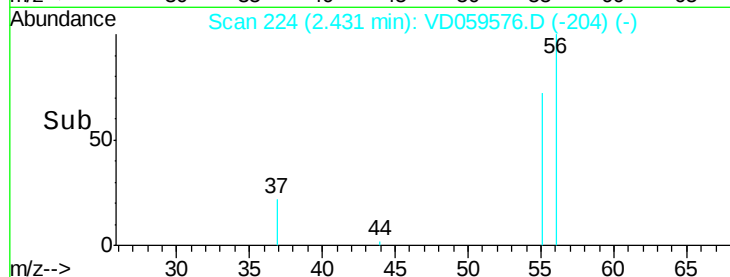
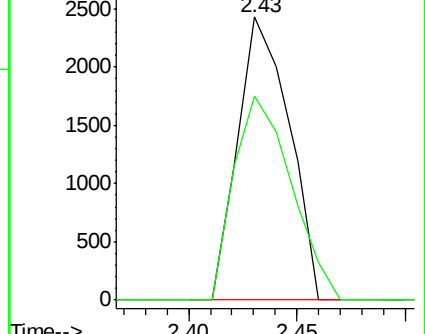
56 100

55 72.2 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 36.744 ug/l

RT: 2.87 min Scan# 269

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

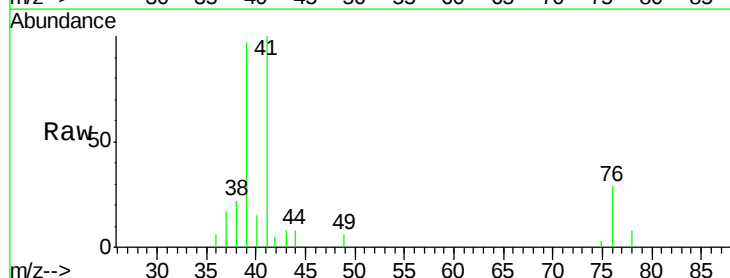
Tgt Ion: 41 Resp: 29602

Ion Ratio Lower Upper

41 100

39 97.0 83.8 125.8

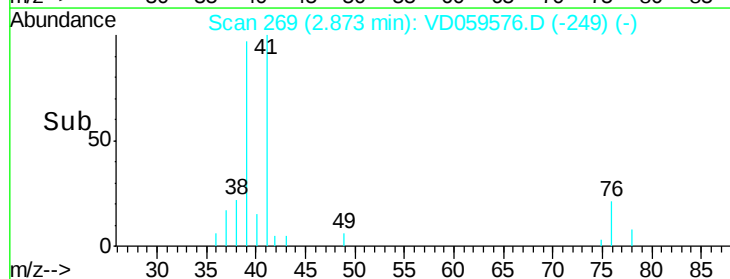
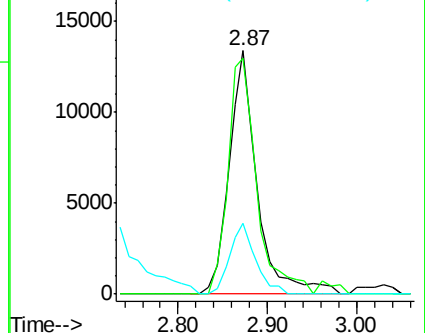
76 29.3 22.2 33.4

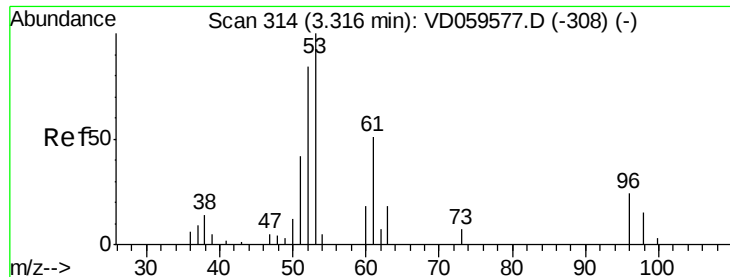


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 184.827 ug/l

RT: 3.32 min Scan# 314

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

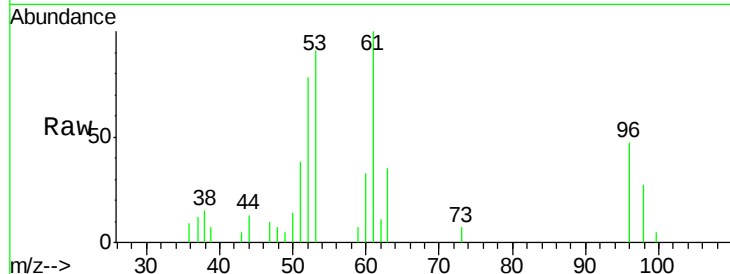
Tot Ion: 53 Resp: 16218

Ion Ratio Lower Upper

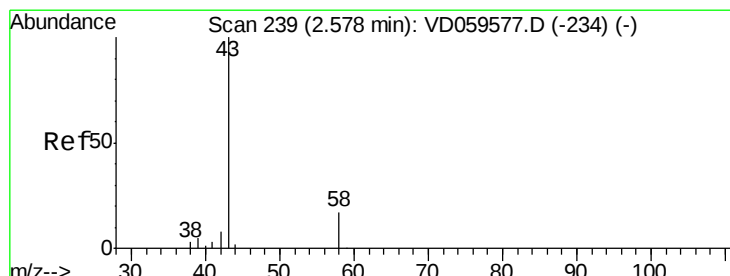
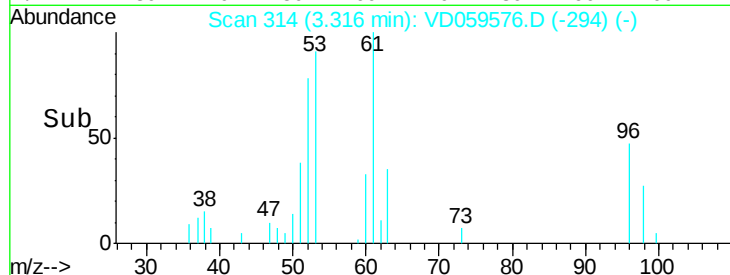
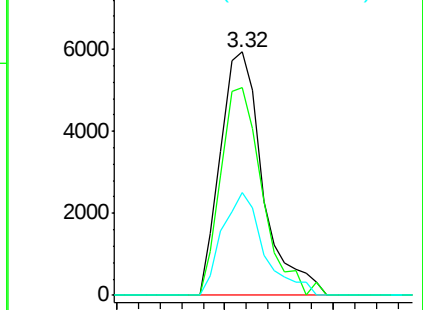
53 100

52 85.4 67.6 101.4

51 42.1 33.7 50.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 209.621 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.00 min

Lab File: VD059576.D

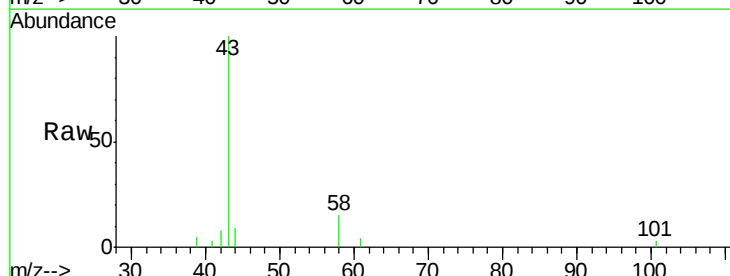
Acq: 24 Jul 2018 17:46

Tgt Ion: 43 Resp: 27139

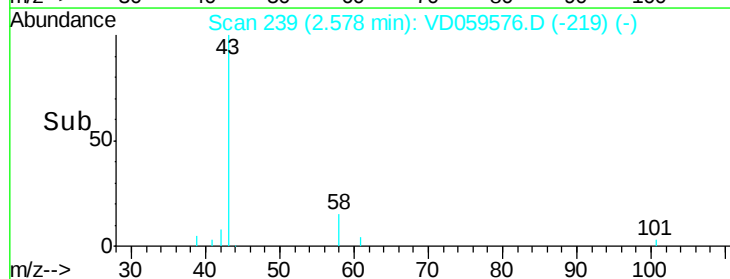
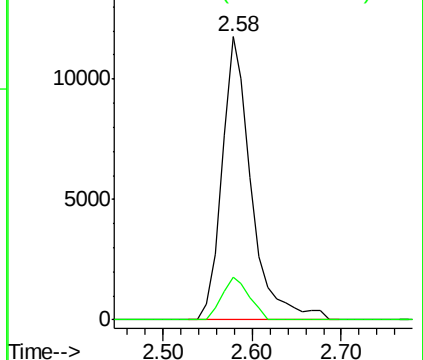
Ion Ratio Lower Upper

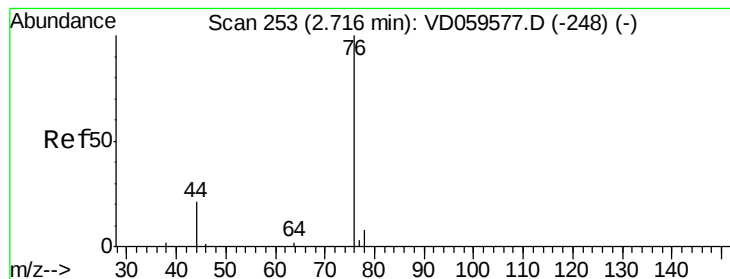
43 100

58 15.2 13.4 20.0



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





#17

Carbon Disulfide

Concen: 29.832 ug/l

RT: 2.71 min Scan# 252

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

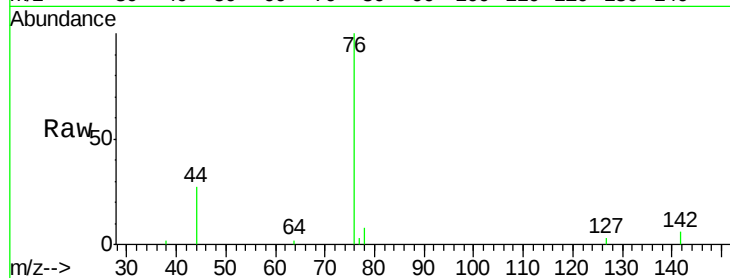
VSTDIC020

Tot Ion: 76 Resp: 46093

Ion Ratio Lower Upper

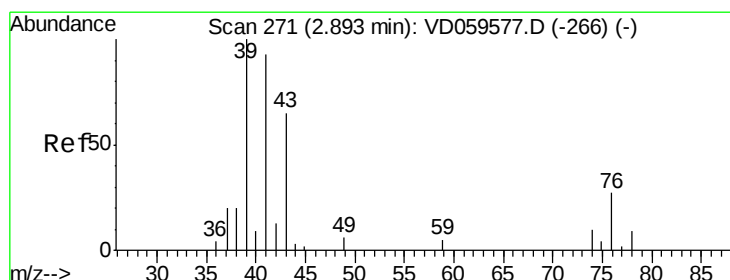
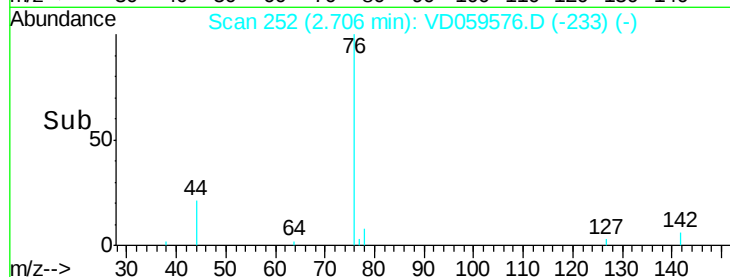
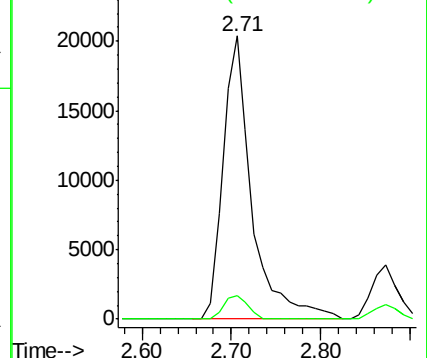
76 100

78 8.3 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 24.990 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD059576.D

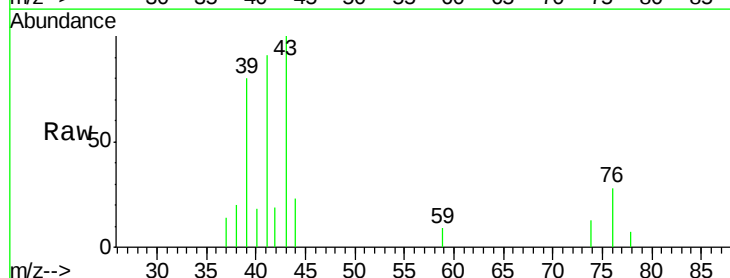
Acq: 24 Jul 2018 17:46

Tgt Ion: 43 Resp: 9877

Ion Ratio Lower Upper

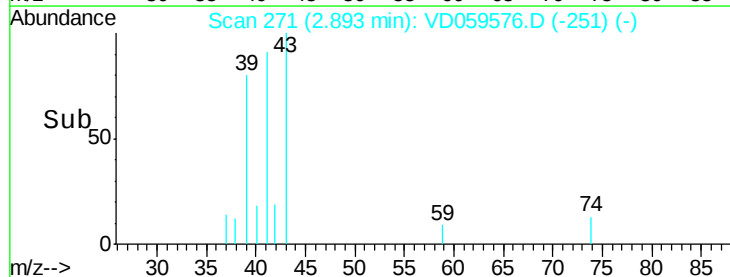
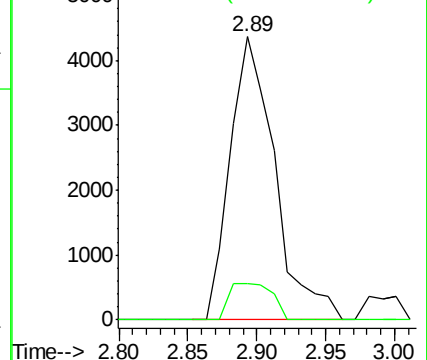
43 100

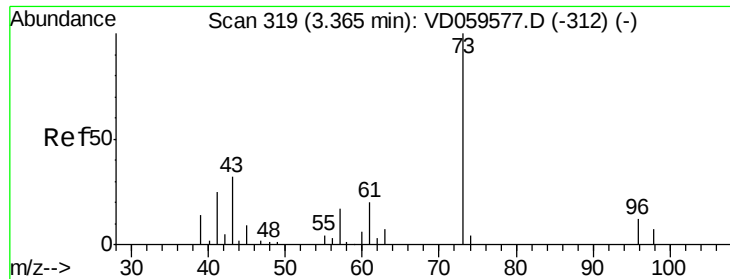
74 12.6 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

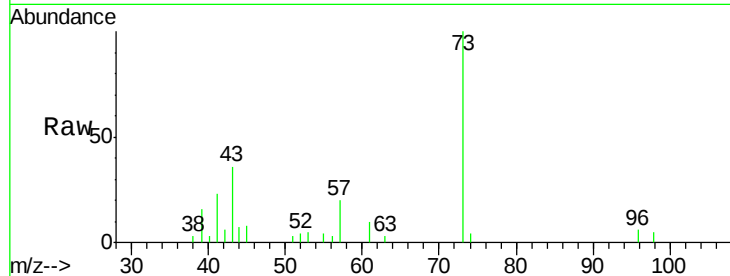




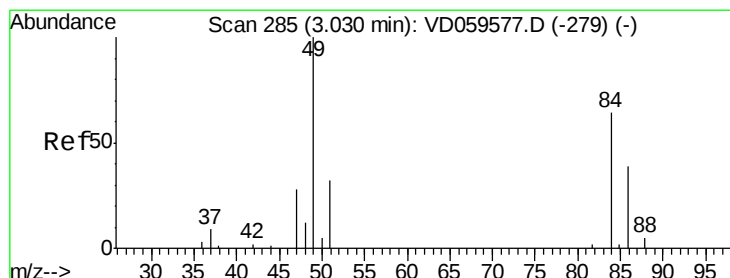
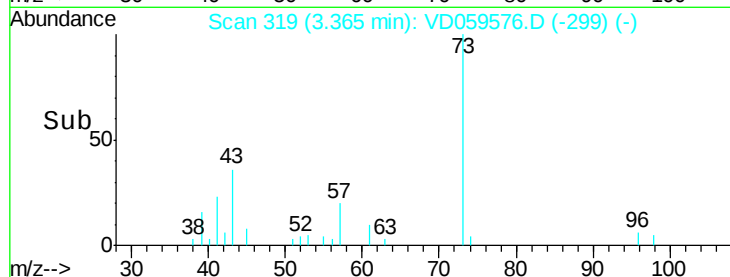
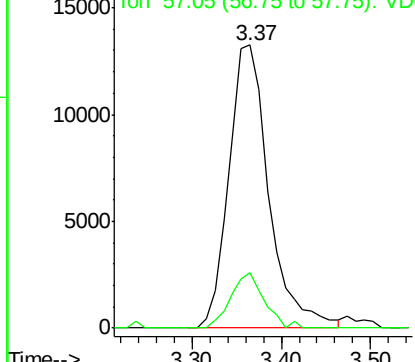
#19
Methyl tert-butyl Ether
Concen: 27.380 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 41525
Ion Ratio Lower Upper
73 100
57 19.8 13.4 20.2

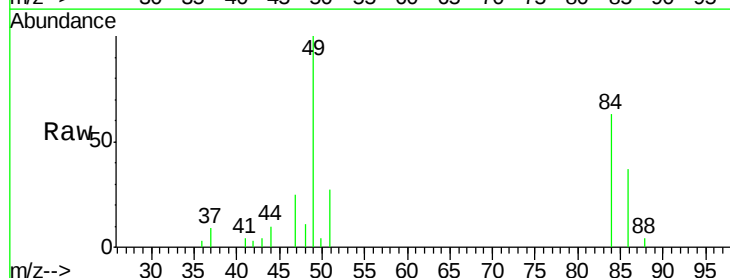


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

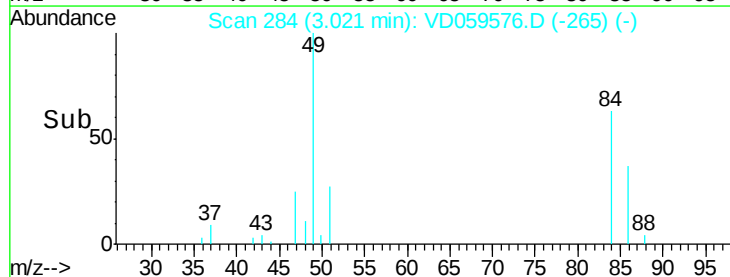
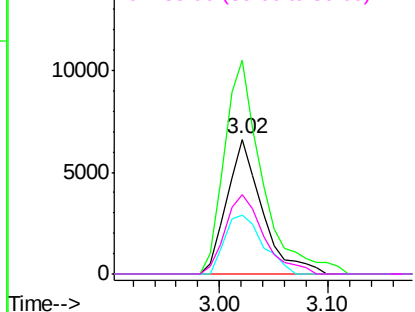


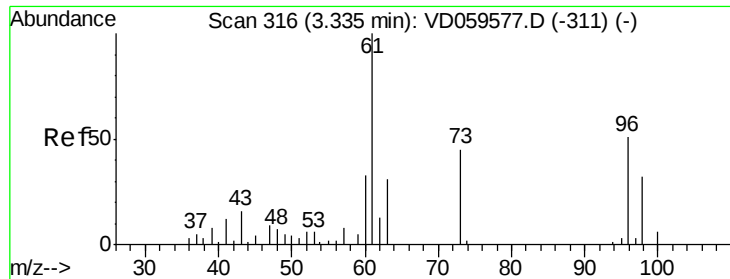
#20
Methylene Chloride
Concen: 24.171 ug/l
RT: 3.02 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion: 84 Resp: 15058
Ion Ratio Lower Upper
84 100
49 158.8 125.4 188.2
51 43.5 39.7 59.5
86 58.9 49.1 73.7



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 24.794 ug/l

RT: 3.34 min Scan# 316

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

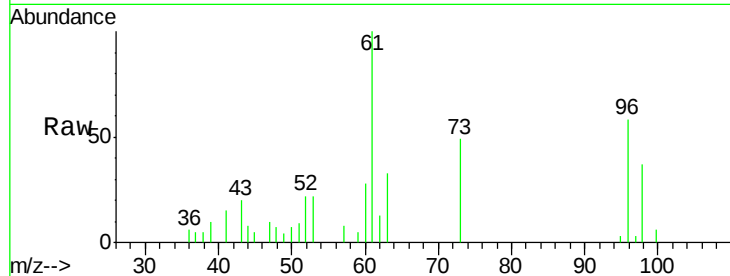
Tot Ion: 96 Resp: 13483

Ion Ratio Lower Upper

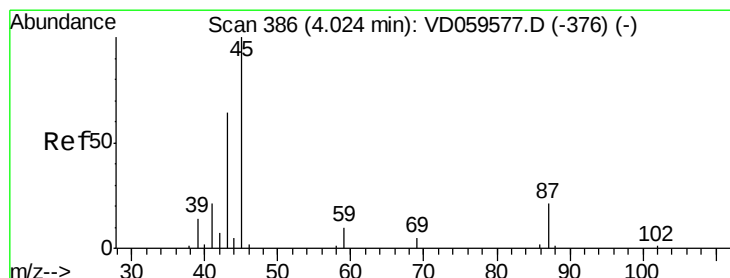
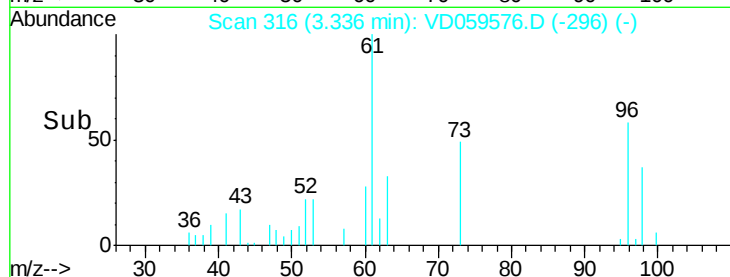
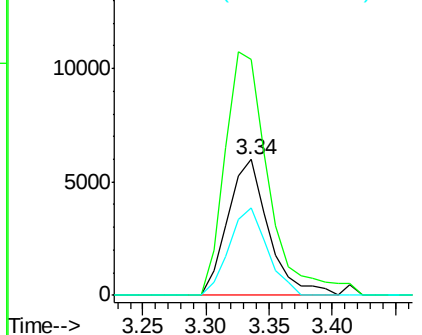
96 100

61 173.4 155.8 233.6

98 64.6 49.1 73.7



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



#22

Diisopropyl ether

Concen: 30.093 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Tgt Ion: 45 Resp: 79490

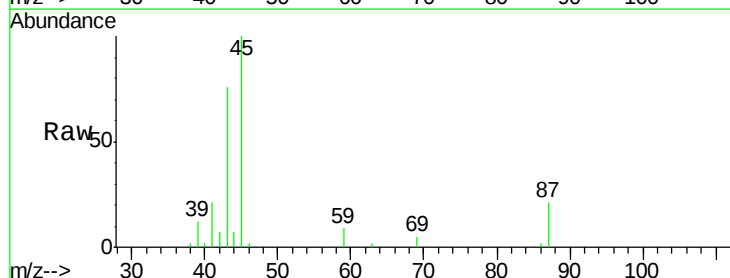
Ion Ratio Lower Upper

45 100

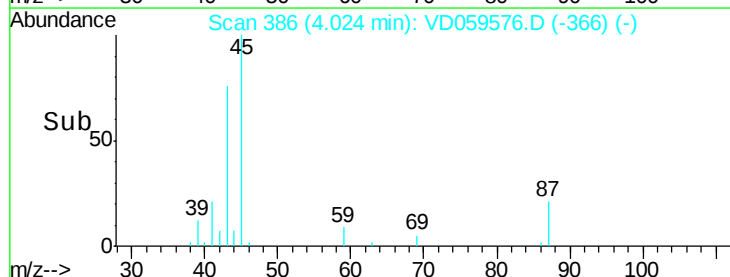
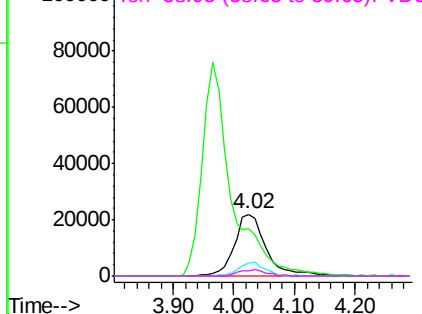
43 76.2 59.4 89.2

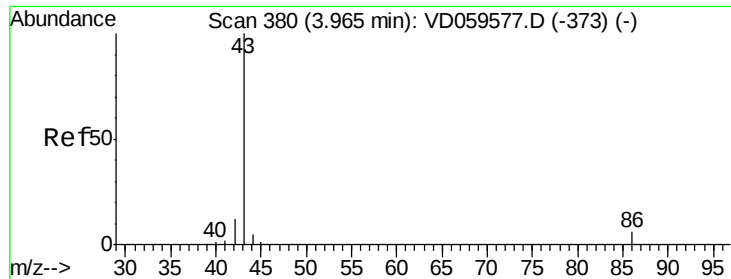
87 21.5 16.7 25.1

59 8.8 8.2 12.4



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





#23

Vinyl Acetate

Concen: 188.809 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

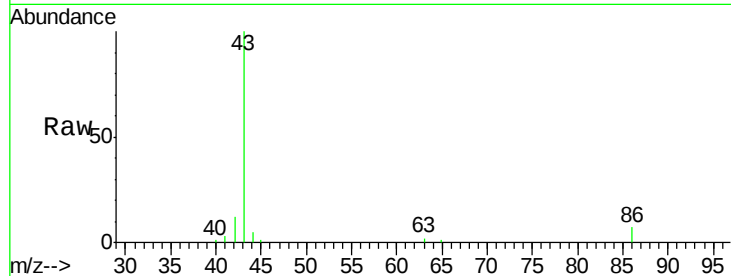
VSTDIC020

Tot Ion: 43 Resp: 256696

Ion Ratio Lower Upper

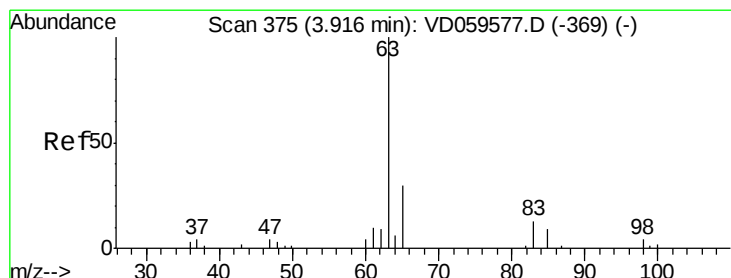
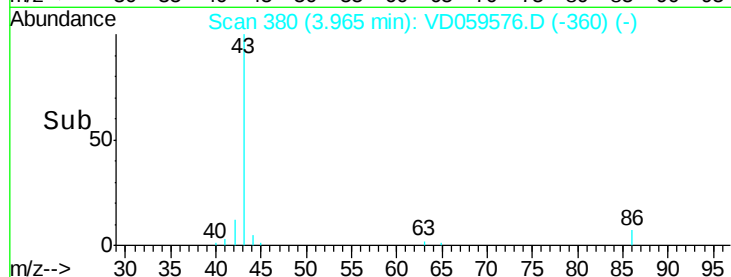
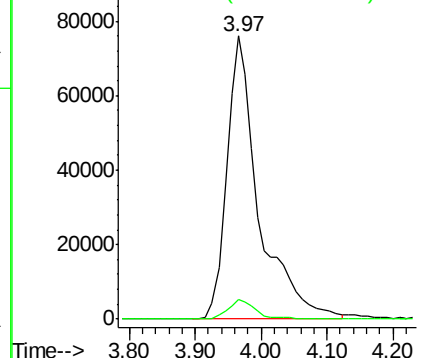
43 100

86 6.8 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 28.640 ug/l

RT: 3.92 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

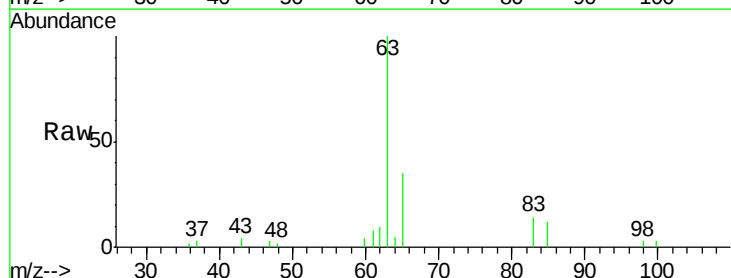
Tgt Ion: 63 Resp: 50485

Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.5

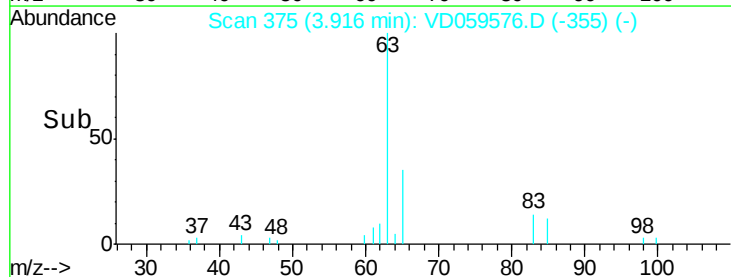
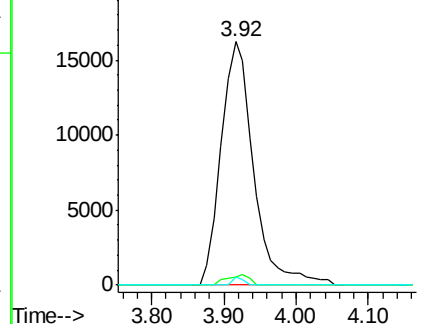
100 3.2 1.1 3.3

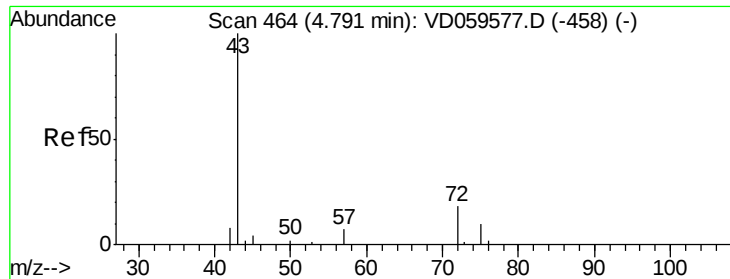


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 168.204 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

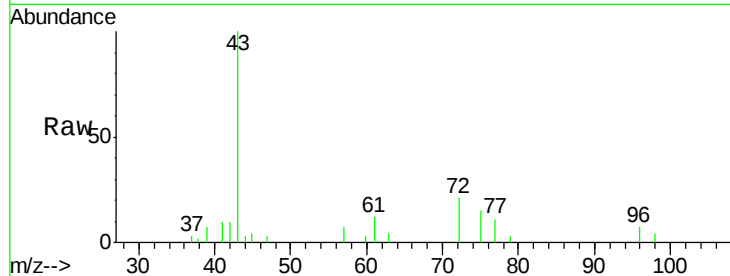
VSTDIC020

Tot Ion: 43 Resp: 42878

Ion Ratio Lower Upper

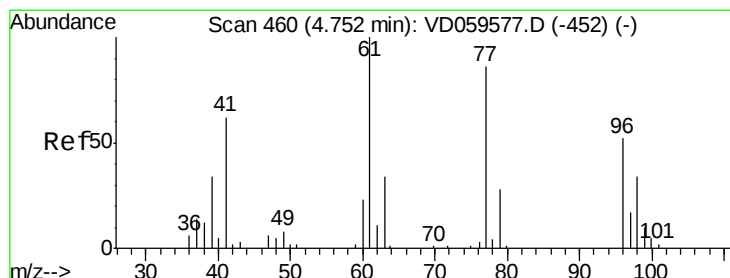
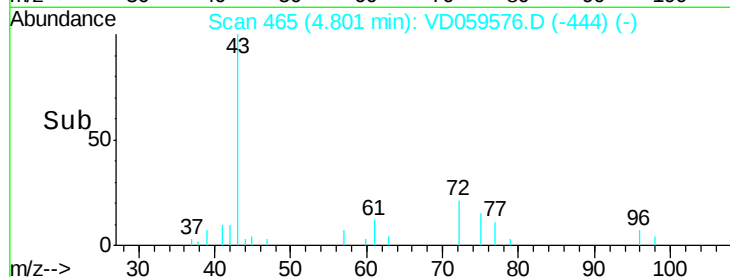
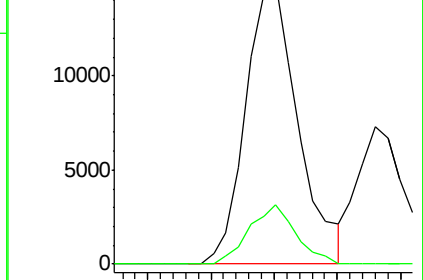
43 100

72 21.0 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 43.476 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059576.D

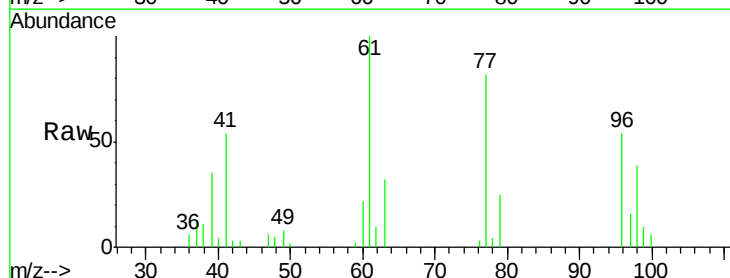
Acq: 24 Jul 2018 17:46

Tgt Ion: 77 Resp: 51432

Ion Ratio Lower Upper

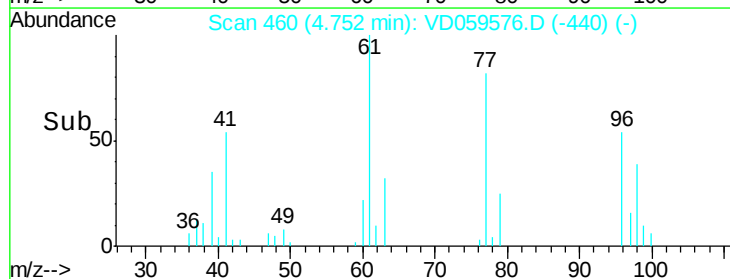
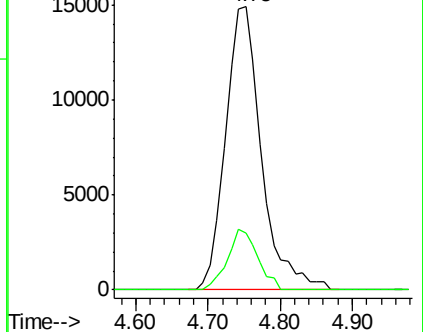
77 100

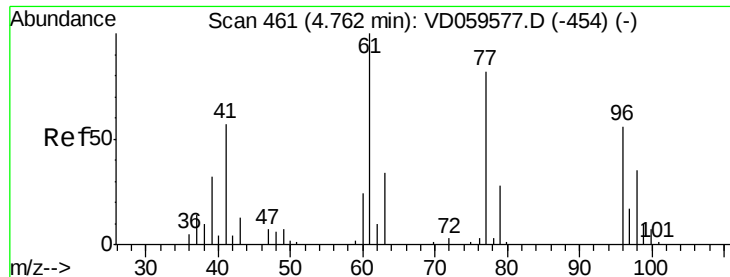
97 20.1 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



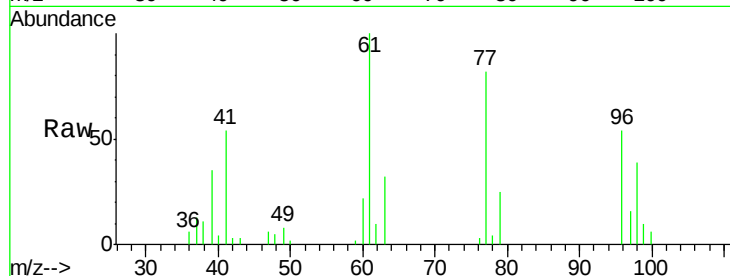


#27

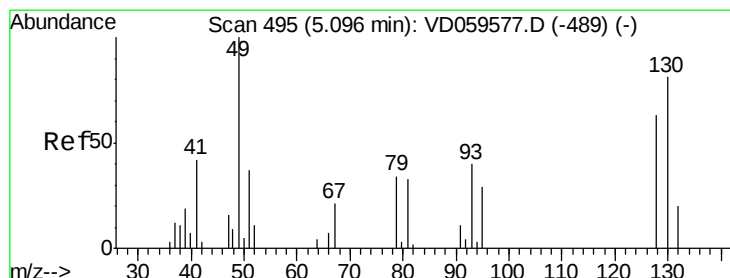
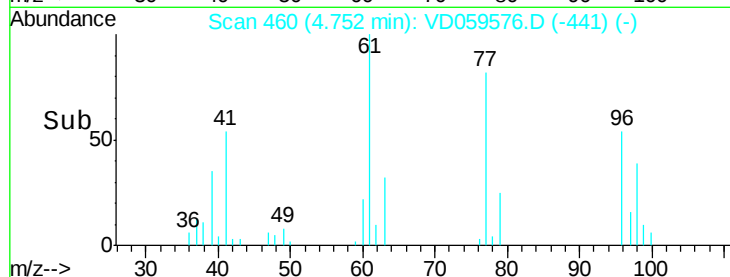
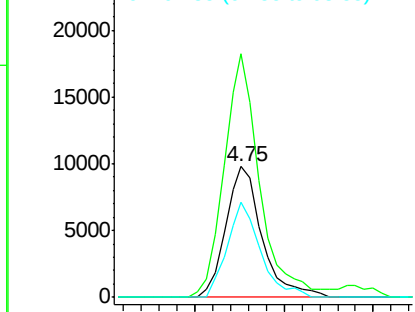
cis-1,2-Dichloroethene
 Concen: 25.477 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 27823
 Ion Ratio Lower Upper
 96 100
 61 186.4 0.0 355.0
 98 72.9 0.0 125.8



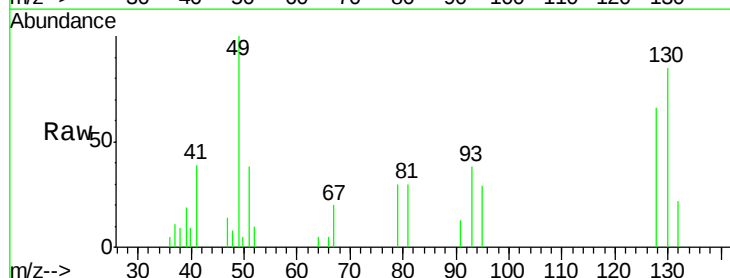
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



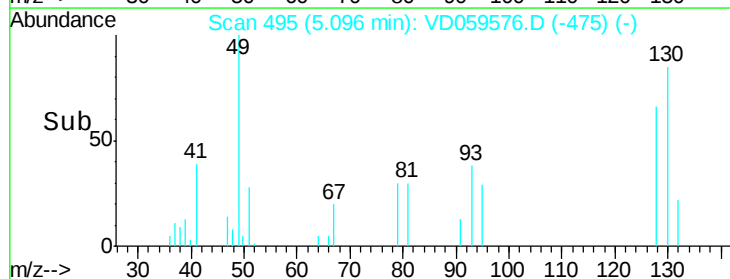
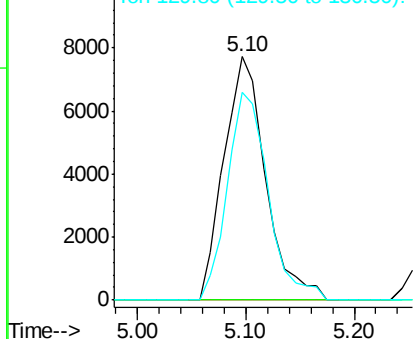
#28

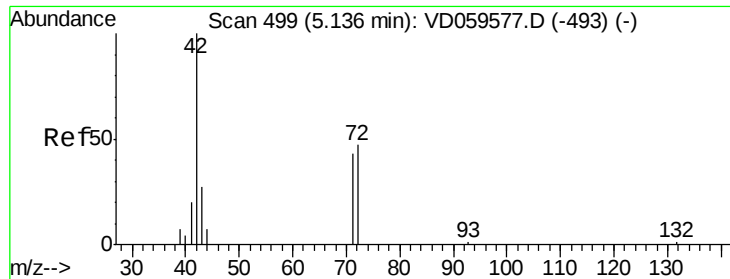
Bromochloromethane
 Concen: 32.367 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion: 49 Resp: 20716
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 85.5 64.6 96.8



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: 154.085 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

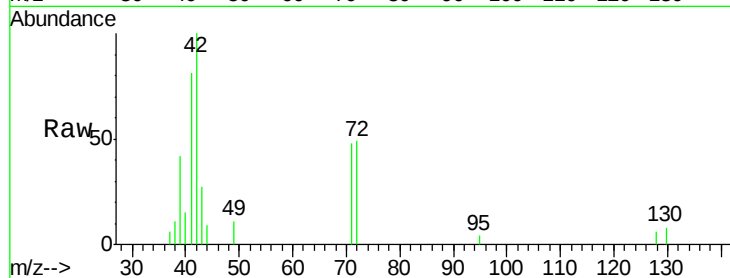
Tot Ion: 42 Resp: 19432

Ion Ratio Lower Upper

42 100

72 43.6 35.0 52.4

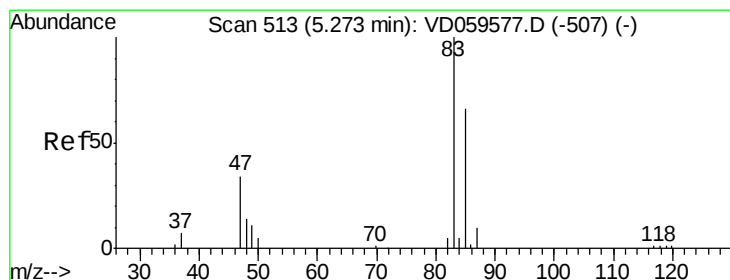
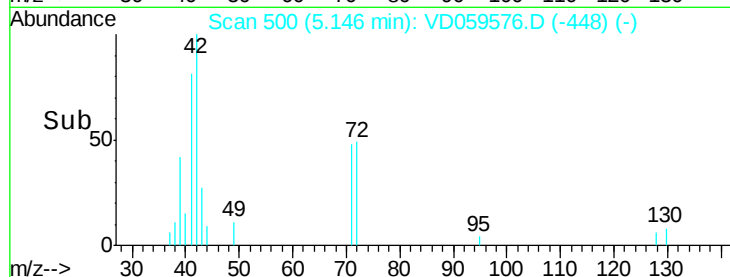
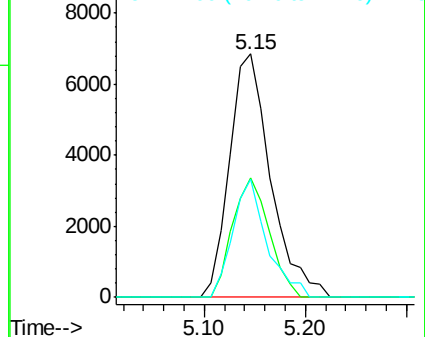
71 40.2 34.2 51.2



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: 29.309 ug/l

RT: 5.27 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD059576.D

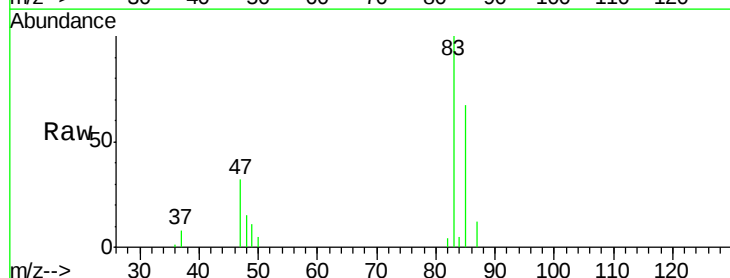
Acq: 24 Jul 2018 17:46

Tgt Ion: 83 Resp: 59354

Ion Ratio Lower Upper

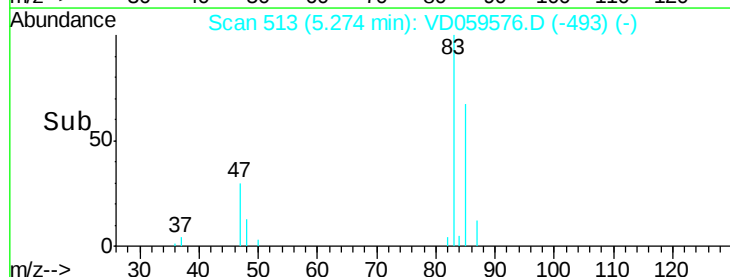
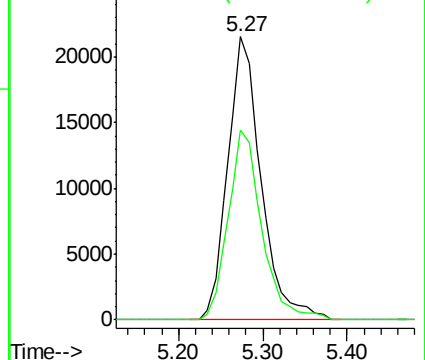
83 100

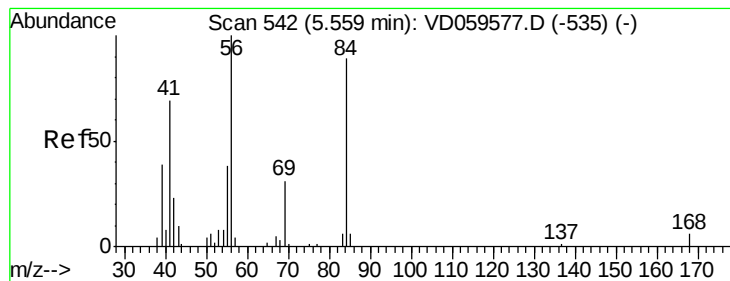
85 67.1 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 30.645 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

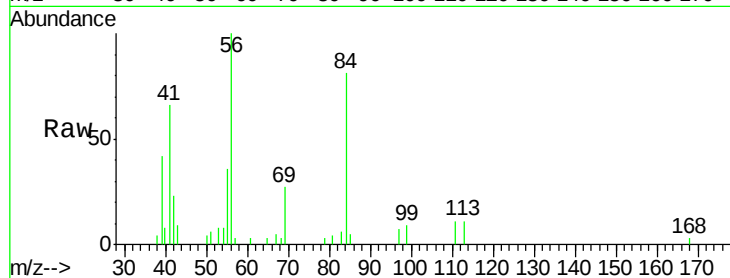
Tot Ion: 56 Resp: 37292

Ion Ratio Lower Upper

56 100

69 26.8 24.6 37.0

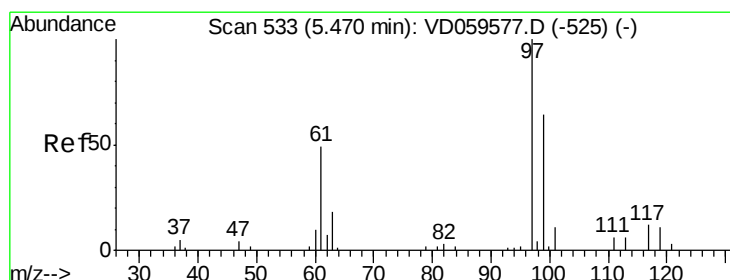
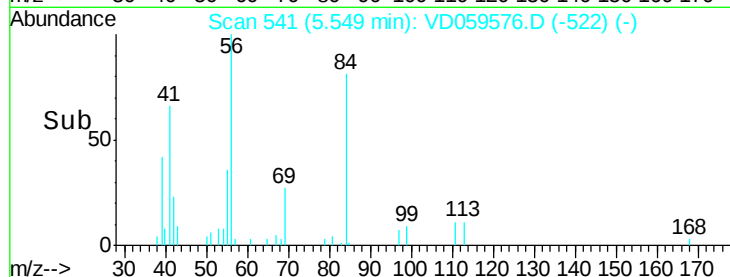
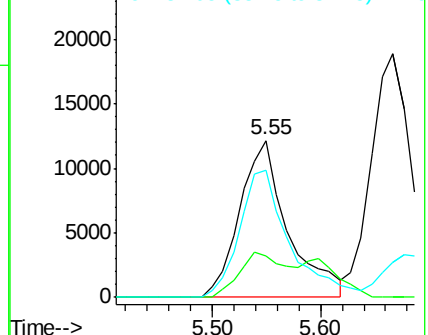
84 81.2 72.7 109.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 31.596 ug/l

RT: 5.46 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

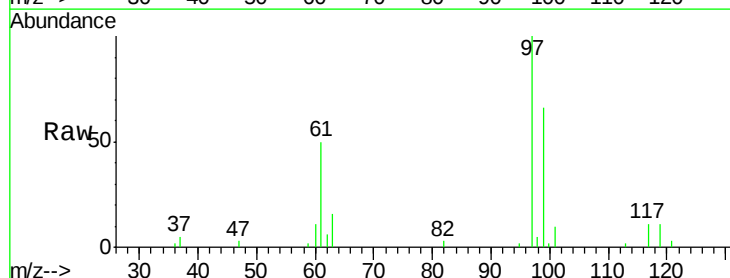
Tgt Ion: 97 Resp: 57198

Ion Ratio Lower Upper

97 100

99 66.1 50.9 76.3

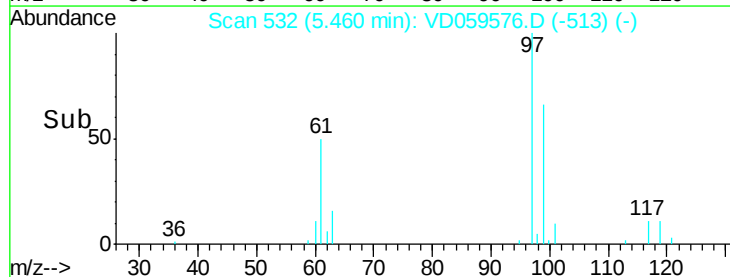
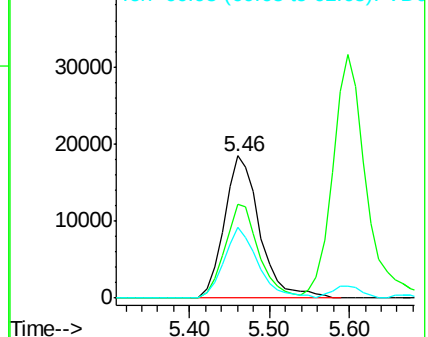
61 49.8 39.2 58.8

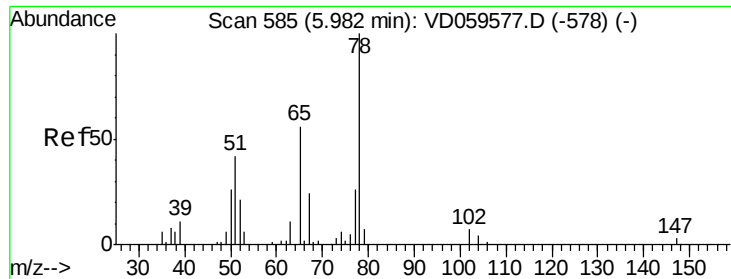


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 31.596 ug/l

RT: 5.97 min Scan# 584

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

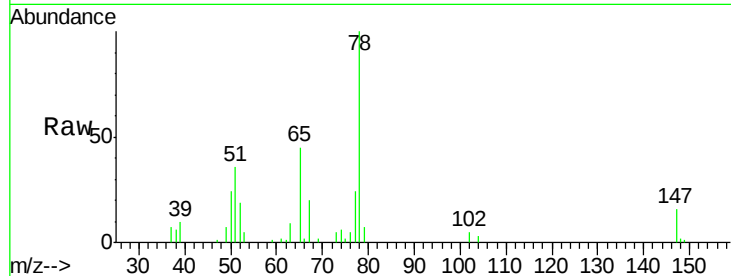
VSTDIC020

Tot Ion: 65 Resp: 35486

Ion Ratio Lower Upper

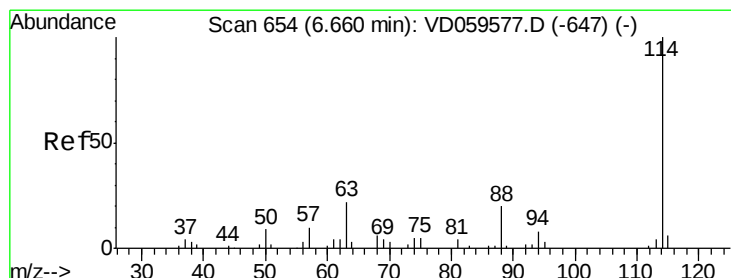
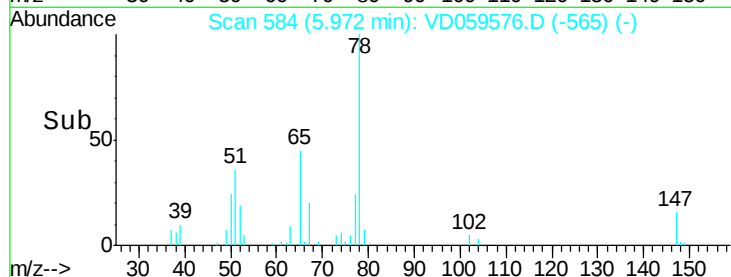
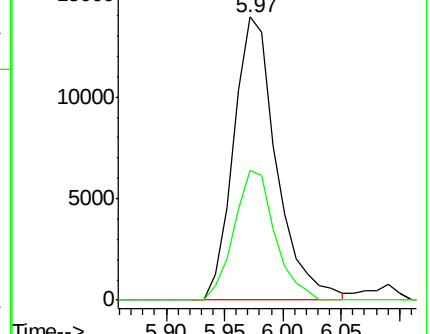
65 100

67 45.7 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

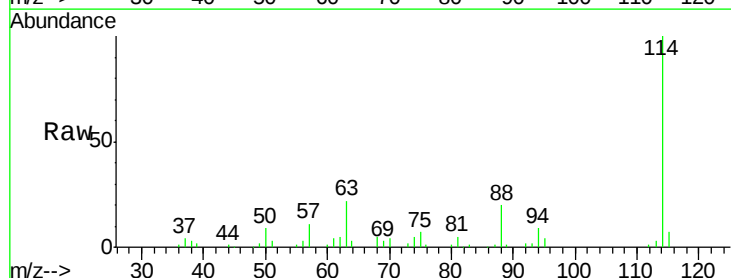
Tgt Ion: 114 Resp: 194488

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

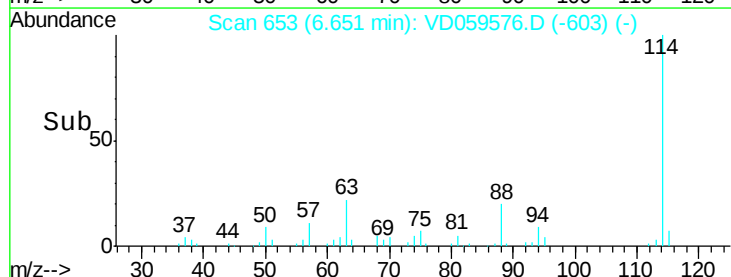
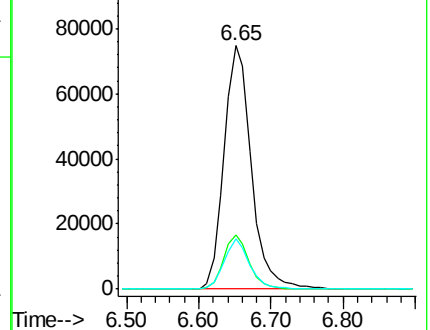
88 20.4 0.0 39.0

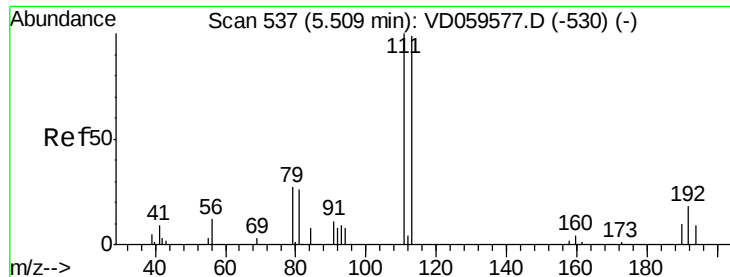


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

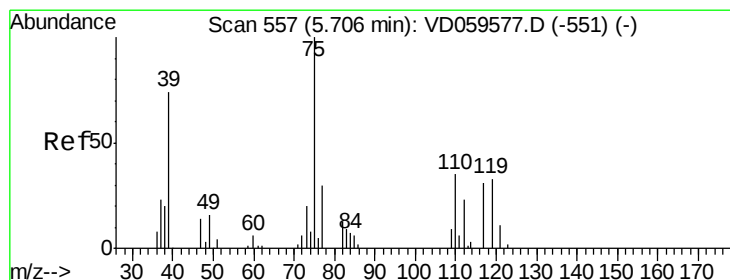
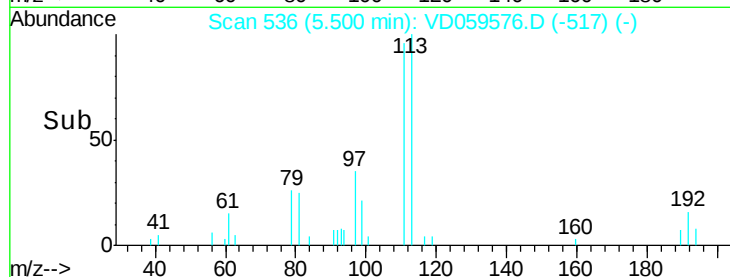
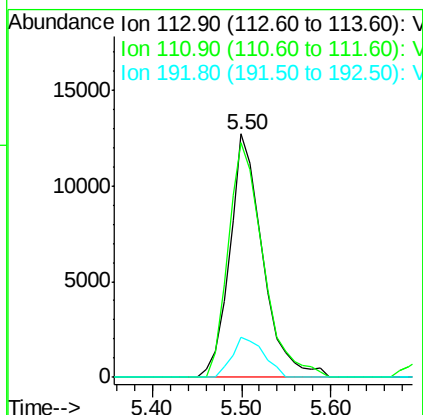
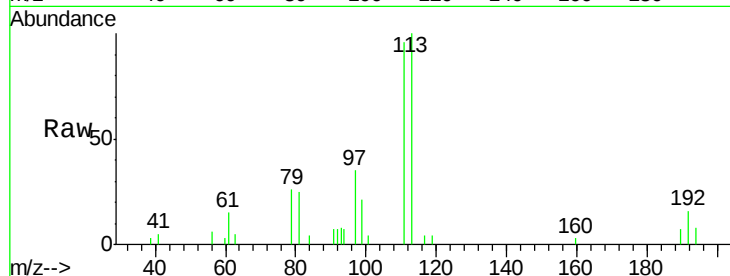




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

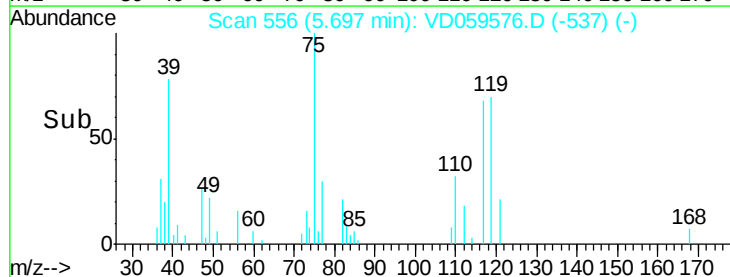
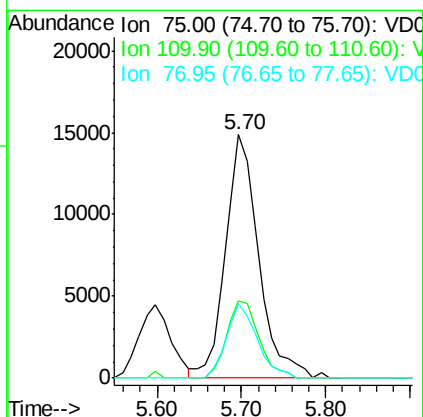
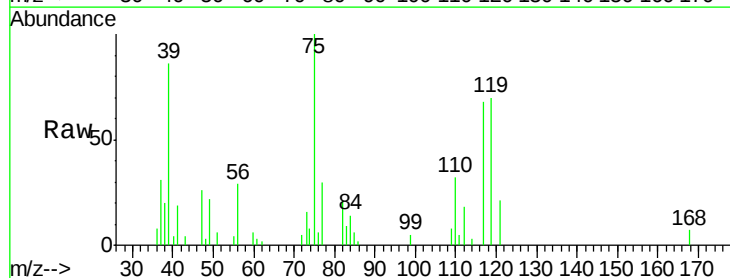
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

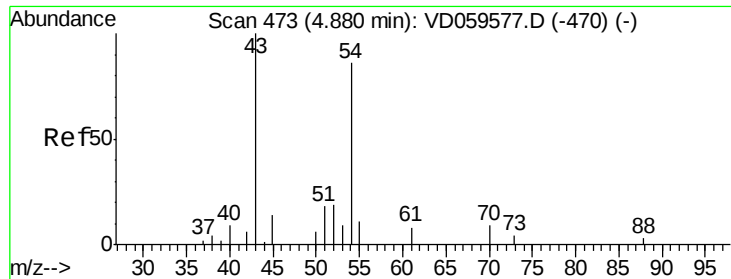
Tot Ion:113 Resp: 32833
 Ion Ratio Lower Upper
 113 100
 111 96.4 80.5 120.7
 192 16.3 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 25.129 ug/l
 RT: 5.70 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion: 75 Resp: 40761
 Ion Ratio Lower Upper
 75 100
 110 31.6 17.0 50.9
 77 30.4 23.6 35.4

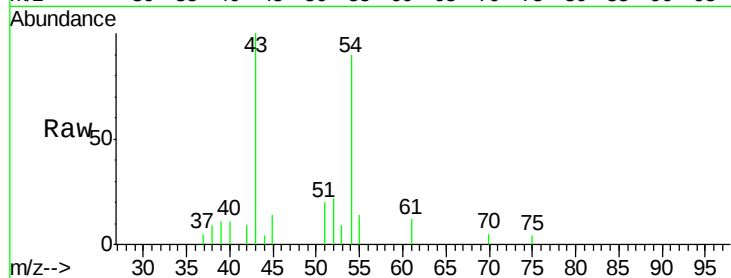




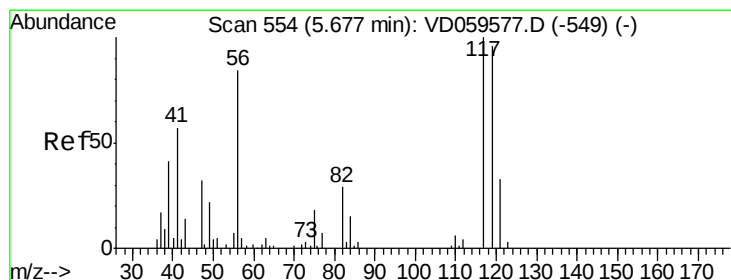
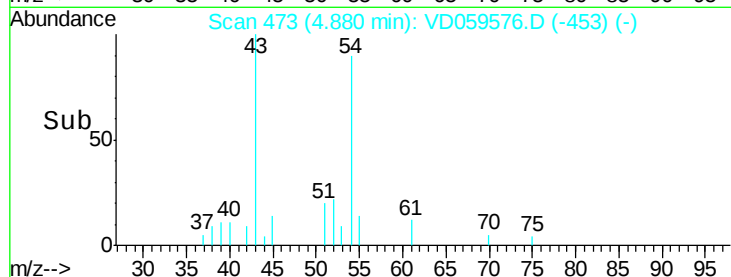
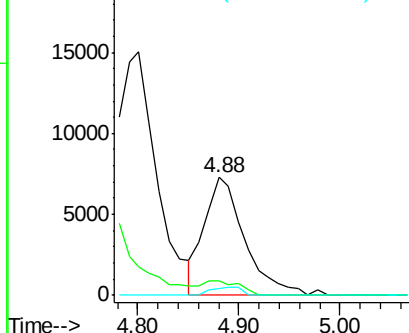
#37
Ethyl Acetate
Concen: 28.382 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 20319
Ion Ratio Lower Upper
43 100
61 11.8 10.7 16.1
70 5.4 5.4 8.0

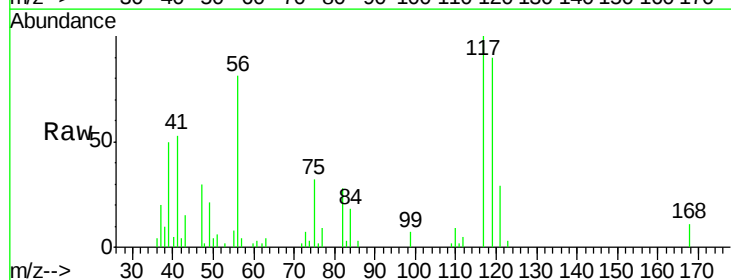


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

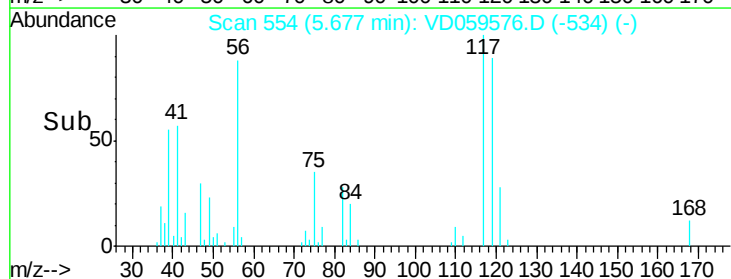
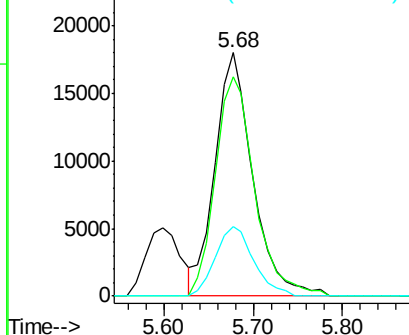


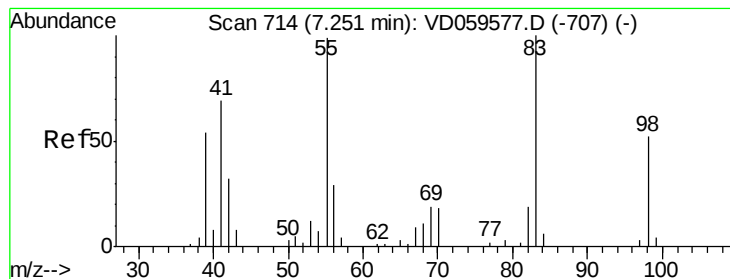
#38
Carbon Tetrachloride
Concen: 26.458 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion: 117 Resp: 53421
Ion Ratio Lower Upper
117 100
119 90.0 73.6 110.4
121 28.8 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 23.093 ug/l

RT: 7.25 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

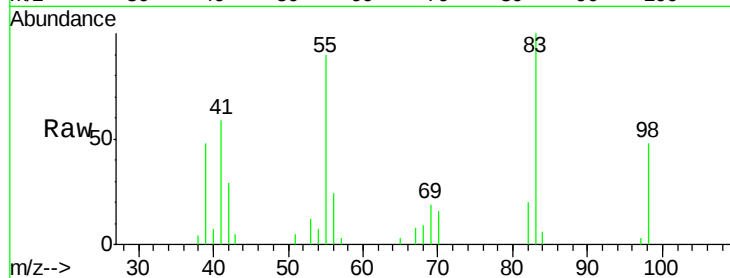
Tot Ion: 83 Resp: 36312

Ion Ratio Lower Upper

83 100

55 89.5 79.4 119.0

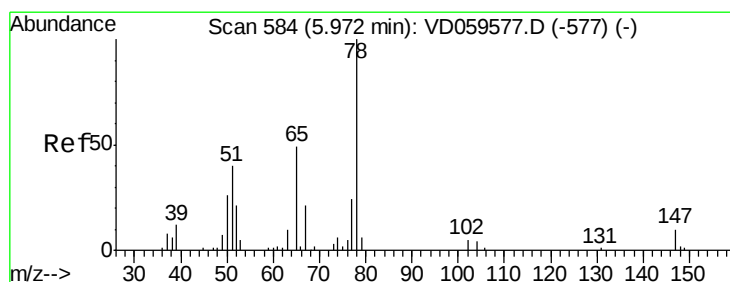
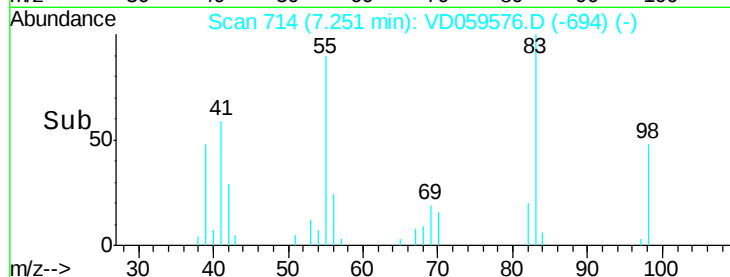
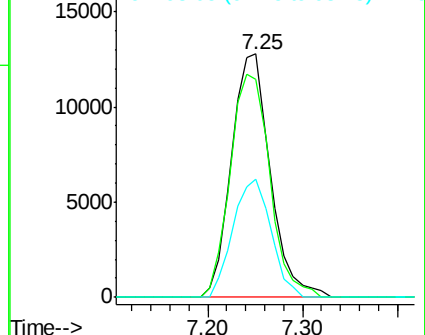
98 48.5 41.6 62.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.914 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059576.D

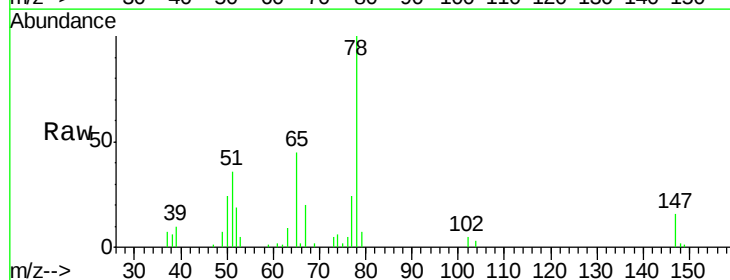
Acq: 24 Jul 2018 17:46

Tgt Ion: 78 Resp: 82493

Ion Ratio Lower Upper

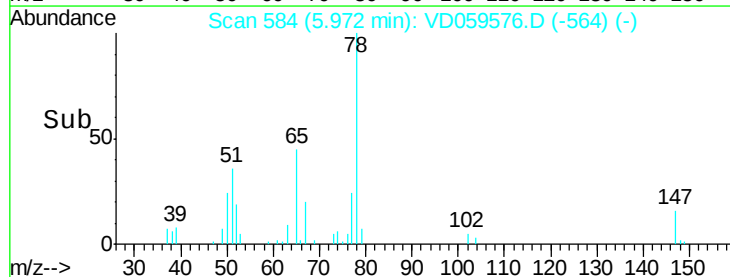
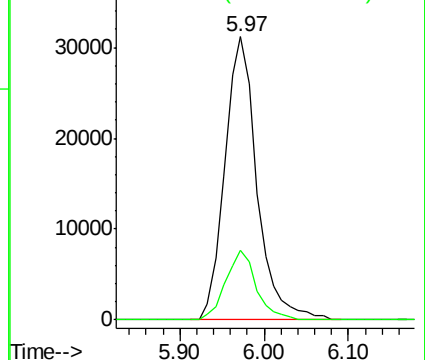
78 100

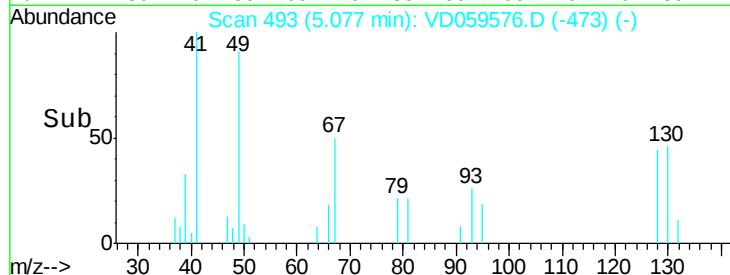
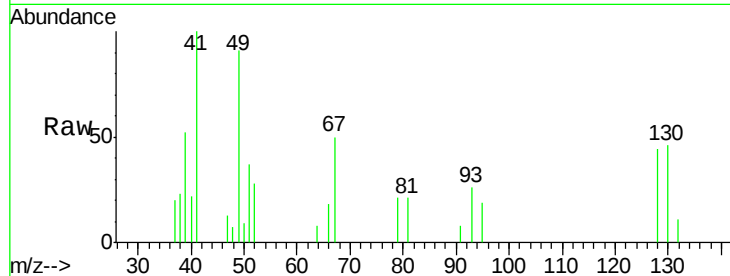
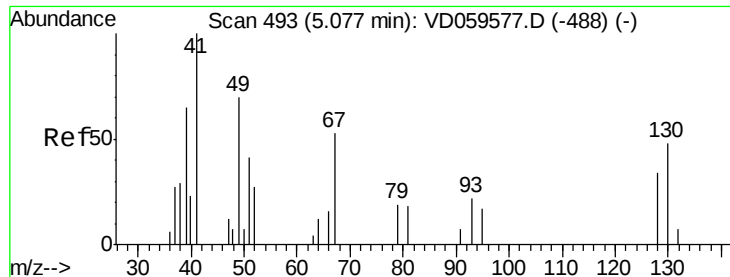
77 24.5 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

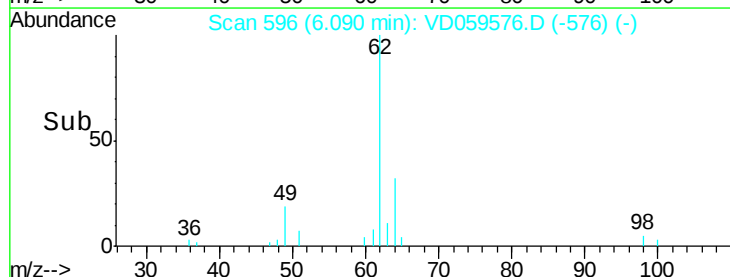
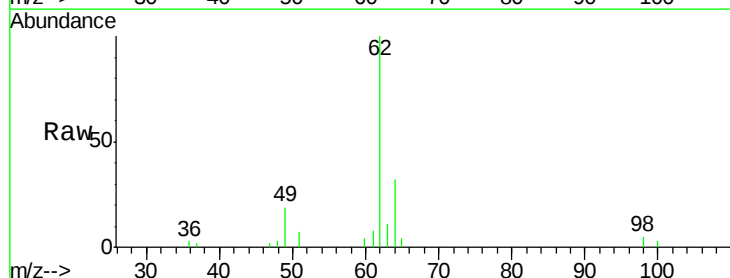
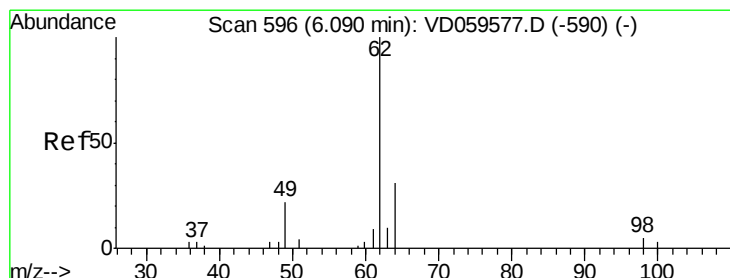
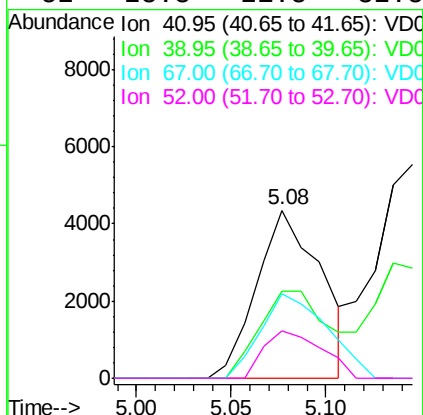




#41
Methacrylonitrile
Concen: 28.673 ug/l
RT: 5.08 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

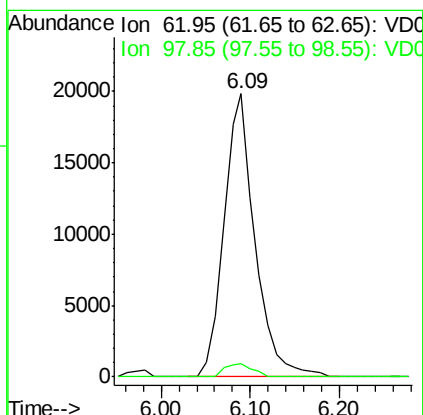
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

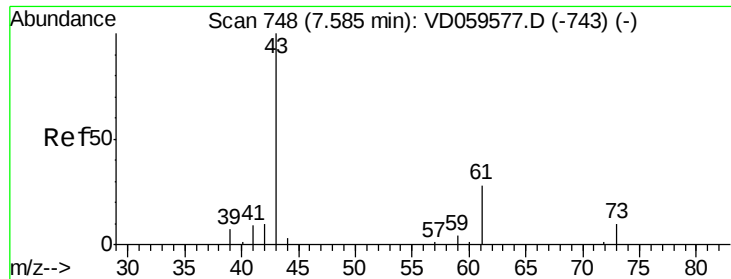
Tot Ion: 41 Resp: 10300
Ion Ratio Lower Upper
41 100
39 51.6 52.1 78.1#
67 50.4 42.5 63.7
52 28.3 21.8 32.8



#42
1,2-Dichloroethane
Concen: 29.885 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion: 62 Resp: 48248
Ion Ratio Lower Upper
62 100
98 4.5 0.0 10.2



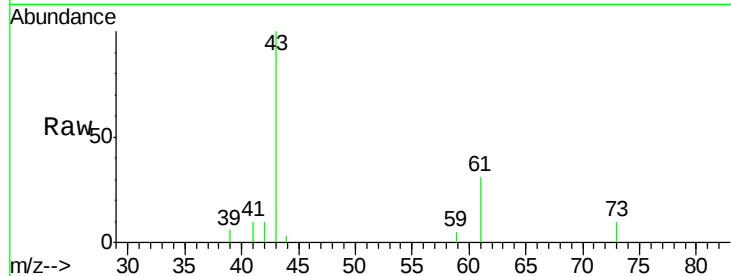


#43

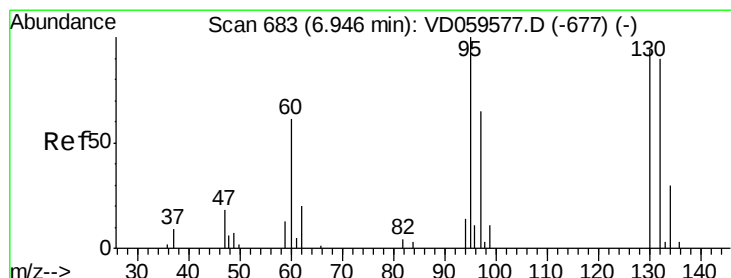
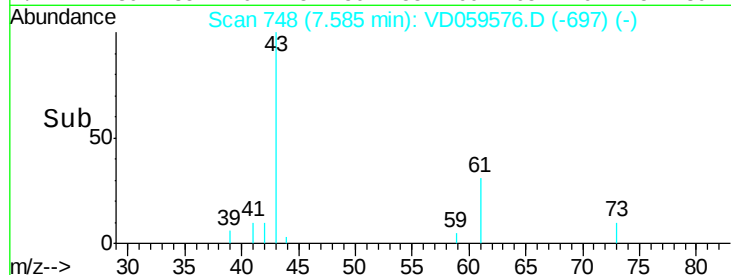
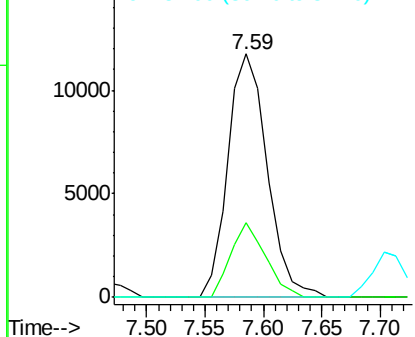
Isopropyl Acetate
 Concen: 27.779 ug/l
 RT: 7.59 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 27466
 Ion Ratio Lower Upper
 43 100
 61 30.6 22.0 33.0
 87 0.0 0.0 0.0



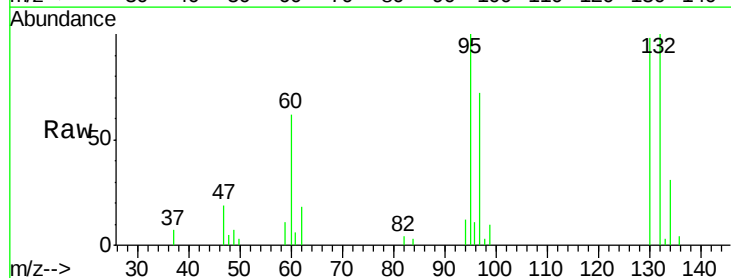
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



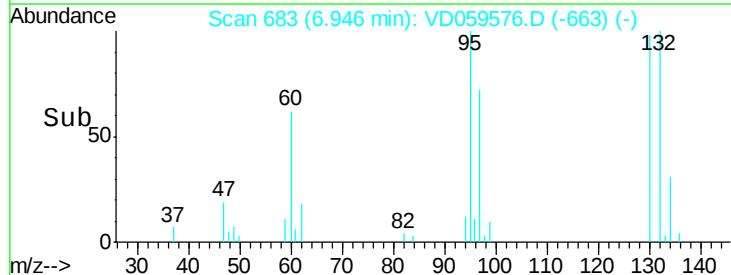
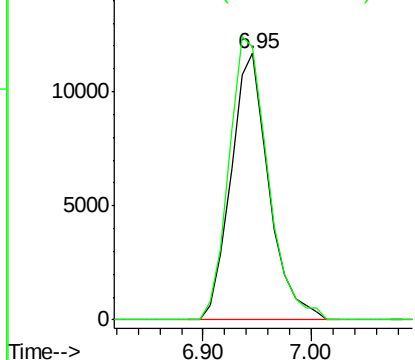
#44

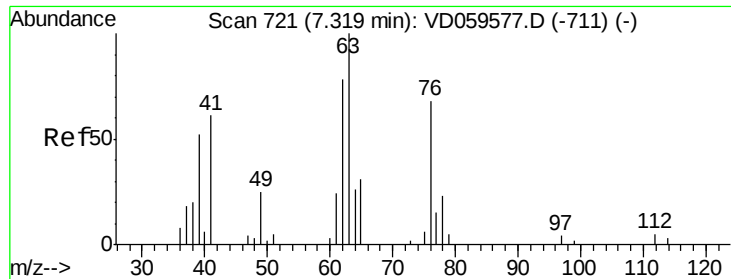
Trichloroethene
 Concen: 17.194 ug/l
 RT: 6.95 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion: 130 Resp: 28391
 Ion Ratio Lower Upper
 130 100
 95 102.5 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 22.993 ug/l

RT: 7.31 min Scan# 720

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

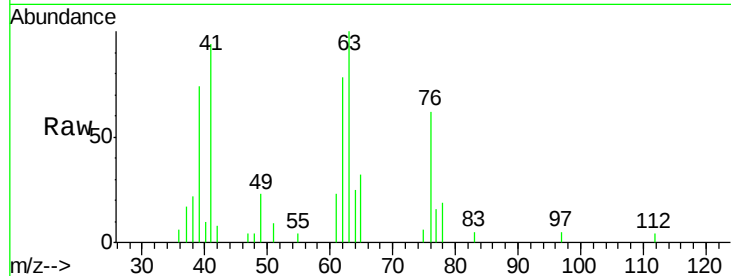
VSTDIC020

Tot Ion: 63 Resp: 21996

Ion Ratio Lower Upper

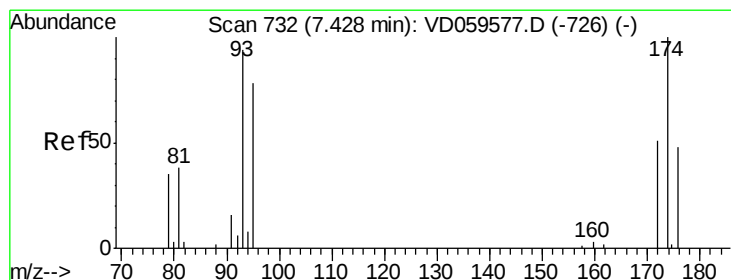
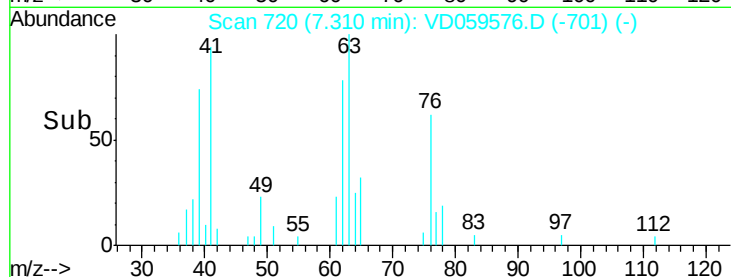
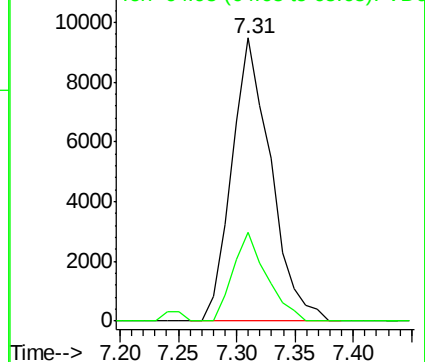
63 100

65 31.6 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 24.759 ug/l

RT: 7.43 min Scan# 732

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

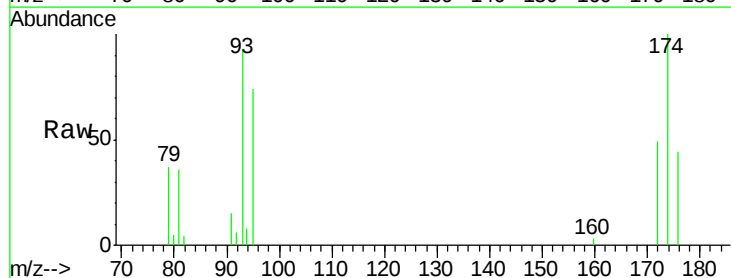
Tgt Ion: 93 Resp: 18565

Ion Ratio Lower Upper

93 100

95 80.1 65.8 98.8

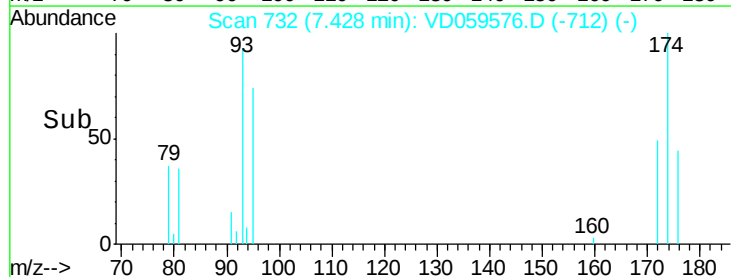
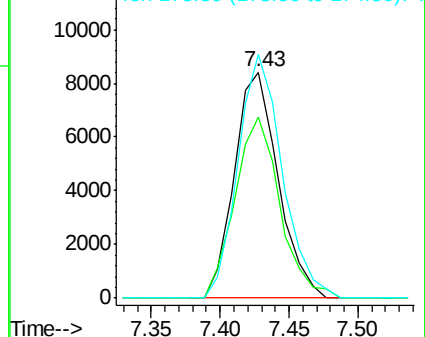
174 107.8 84.7 127.1

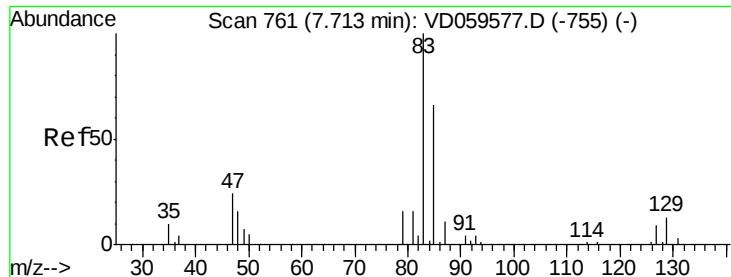


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 25.738 ug/l

RT: 7.70 min Scan# 760

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

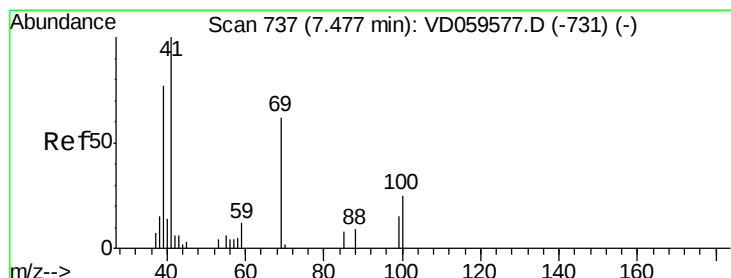
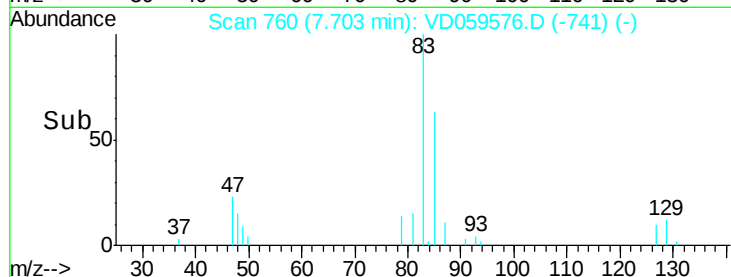
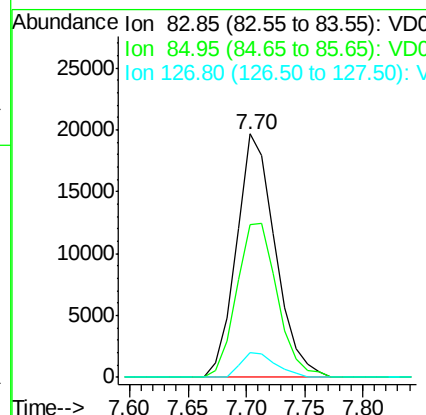
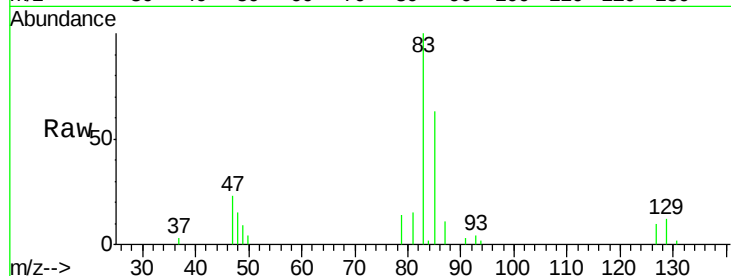
Tot Ion: 83 Resp: 45308

Ion Ratio Lower Upper

83 100

85 62.9 53.1 79.7

127 10.1 7.4 11.0



#48

Methyl methacrylate

Concen: 28.662 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

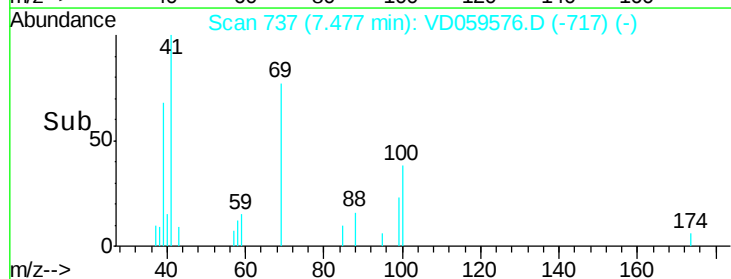
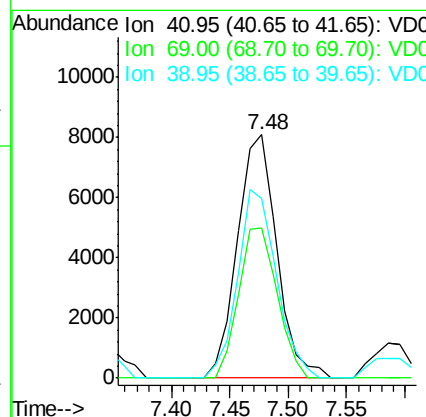
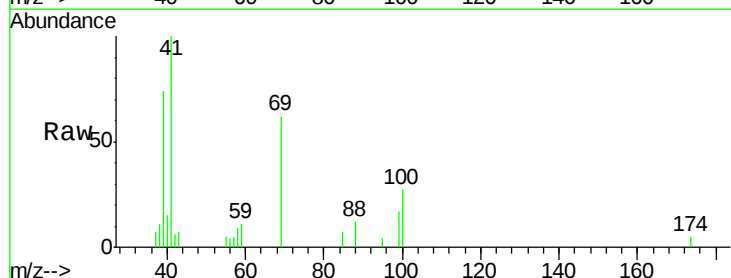
Tgt Ion: 41 Resp: 18978

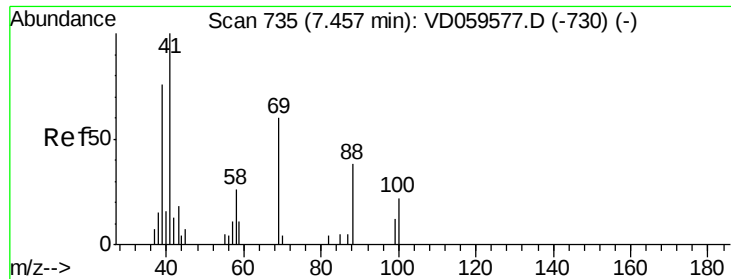
Ion Ratio Lower Upper

41 100

69 61.6 49.4 74.0

39 74.0 61.3 91.9





#49

1,4-Dioxane

Concen: 521.274 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

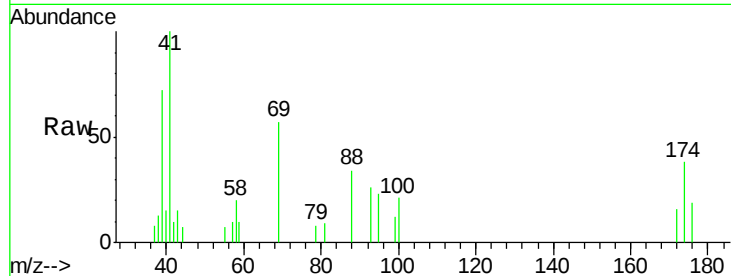
Tot Ion: 88 Resp: 3669

Ion Ratio Lower Upper

88 100

43 45.9 37.4 56.2

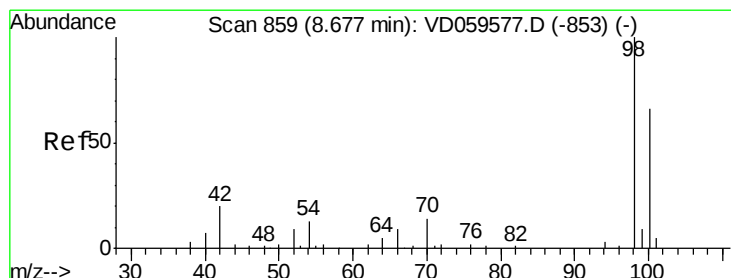
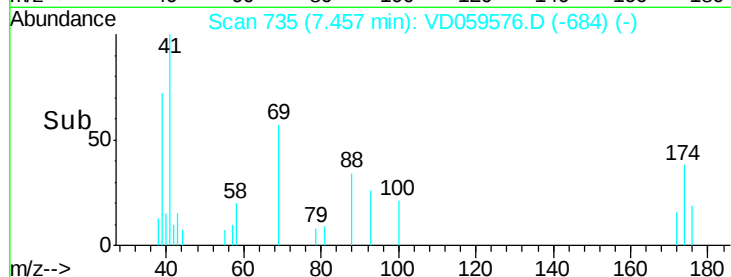
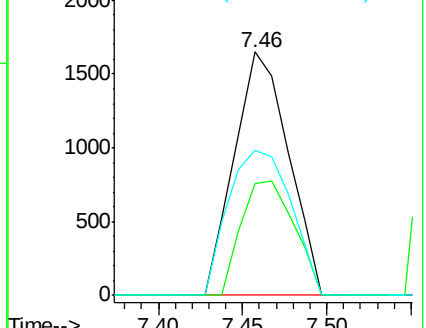
58 59.3 55.6 83.4



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: 521.274 ug/l

RT: 8.68 min Scan# 859

Delta R.T. 0.00 min

Lab File: VD059576.D

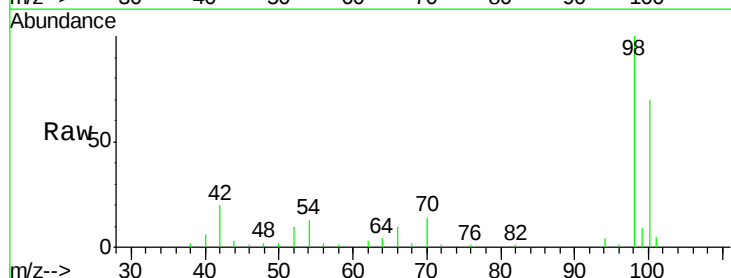
Acq: 24 Jul 2018 17:46

Tgt Ion: 98 Resp: 75556

Ion Ratio Lower Upper

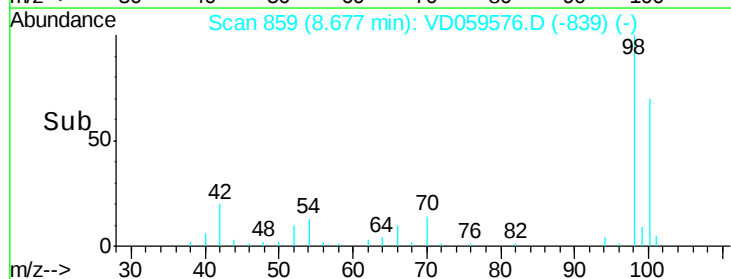
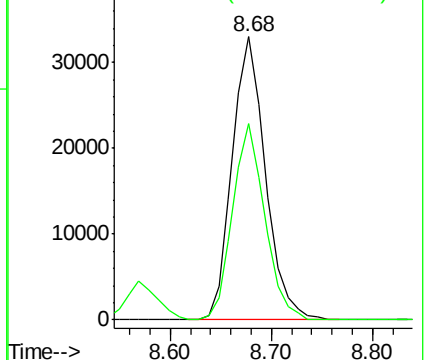
98 100

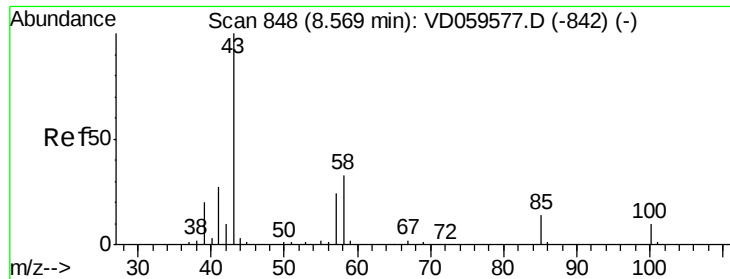
100 69.6 53.2 79.8



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: 141.749 ug/l

RT: 8.57 min Scan# 848

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

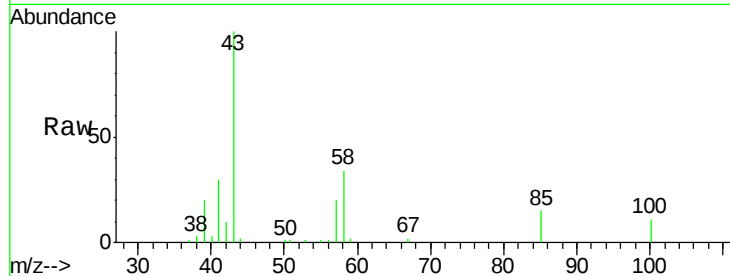
VSTDIC020

Tot Ion: 43 Resp: 94054

Ion Ratio Lower Upper

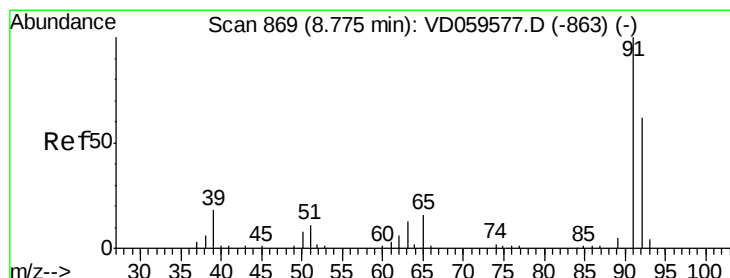
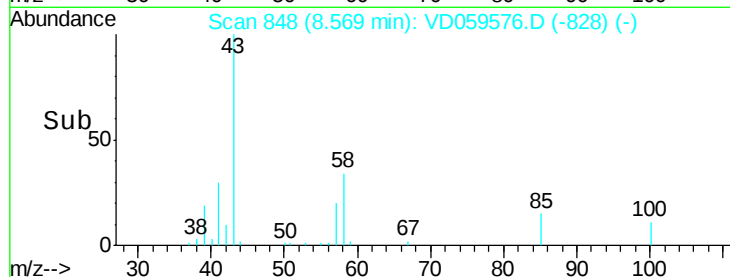
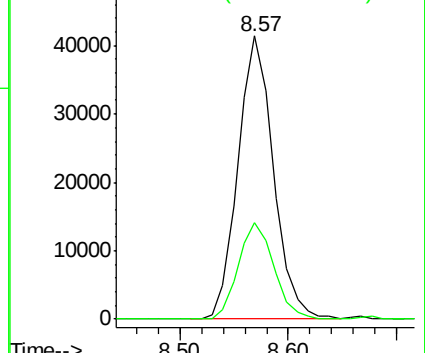
43 100

58 34.1 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: 22.776 ug/l

RT: 8.78 min Scan# 869

Delta R.T. 0.00 min

Lab File: VD059576.D

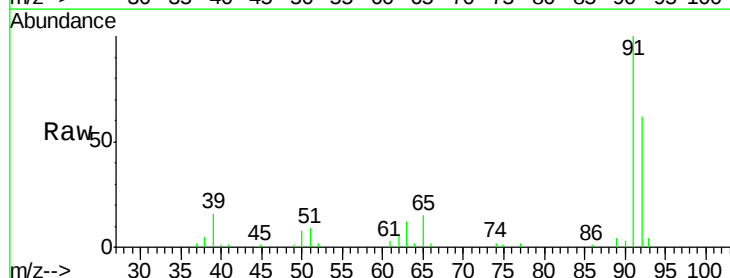
Acq: 24 Jul 2018 17:46

Tgt Ion: 92 Resp: 55104

Ion Ratio Lower Upper

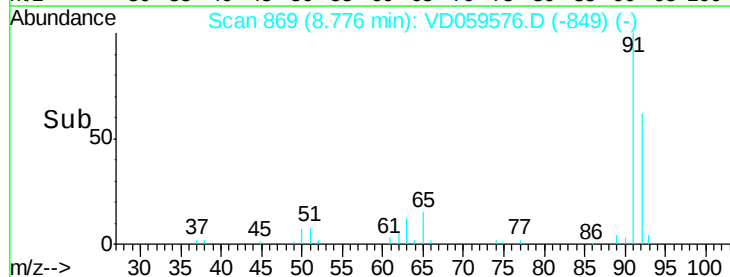
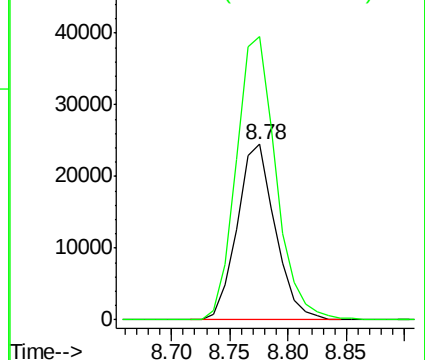
92 100

91 161.5 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

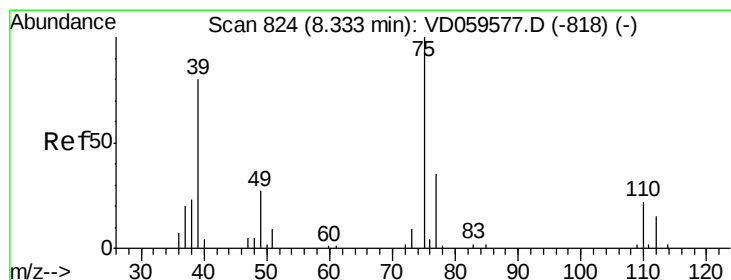
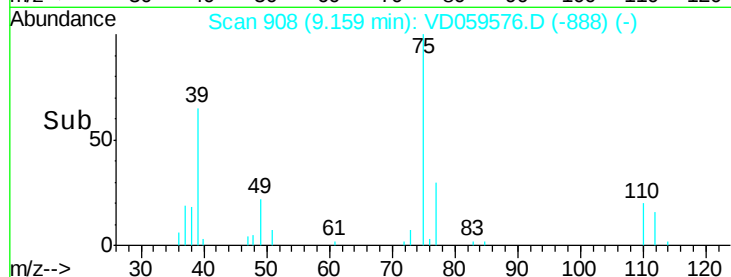
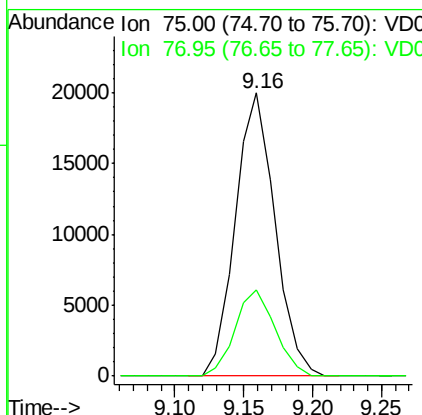
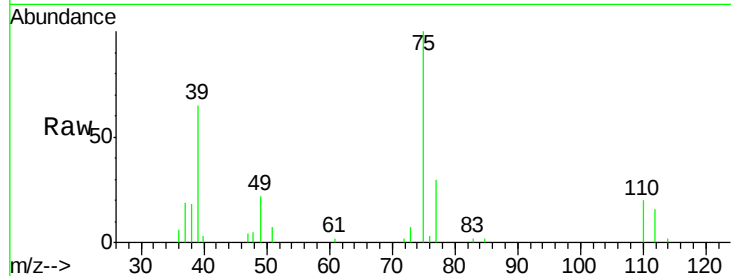




#53
 t-1,3-Dichloropropene
 Concen: 28.404 ug/l
 RT: 9.16 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

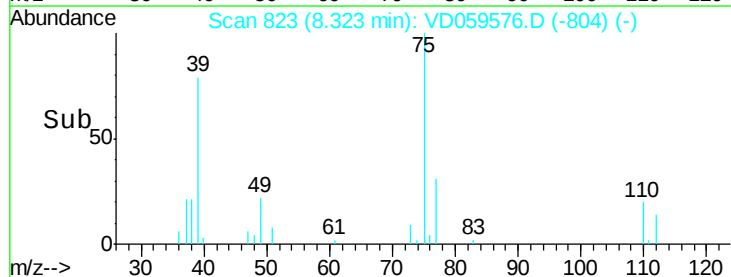
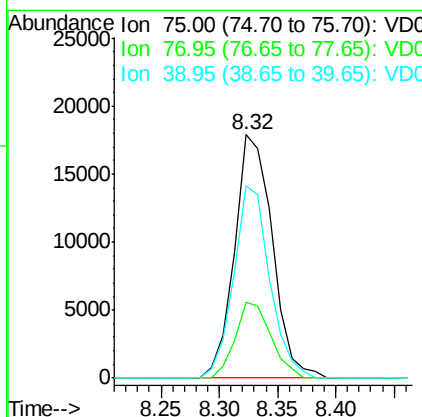
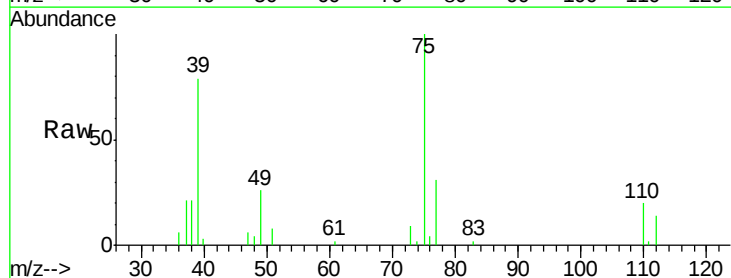
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

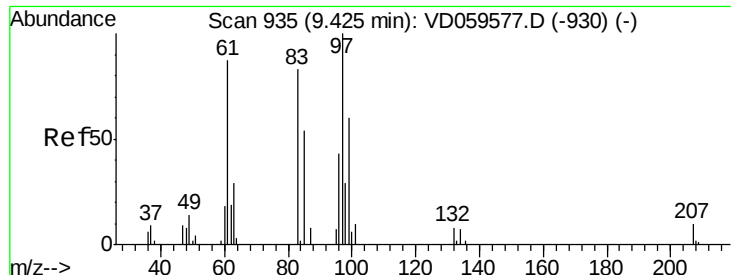
Tot Ion: 75 Resp: 39935
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 26.003 ug/l
 RT: 8.32 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion: 75 Resp: 40192
 Ion Ratio Lower Upper
 75 100
 77 31.0 27.7 41.5
 39 79.2 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 23.596 ug/l

RT: 9.42 min Scan# 935

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 20611

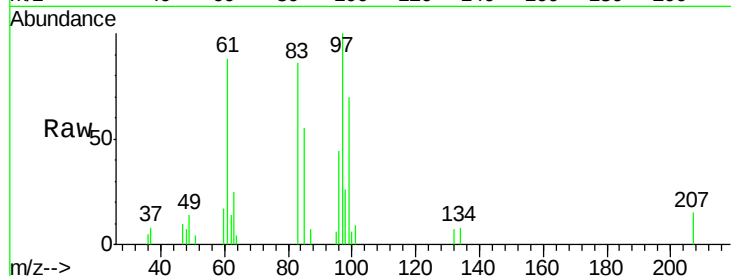
Ion Ratio Lower Upper

97 100

83 85.8 66.3 99.5

85 55.2 43.0 64.6

99 69.5 47.7 71.5

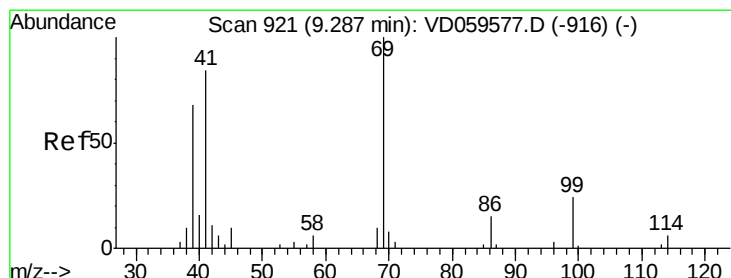
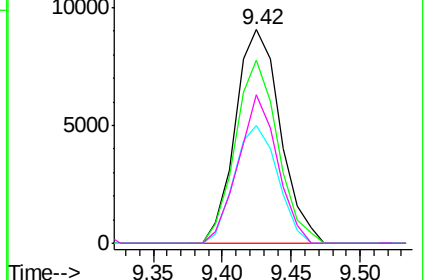
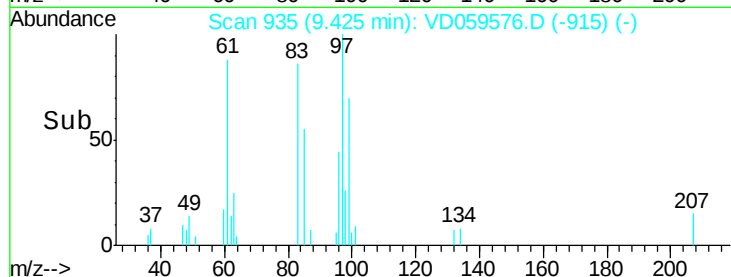


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 25.808 ug/l

RT: 9.29 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

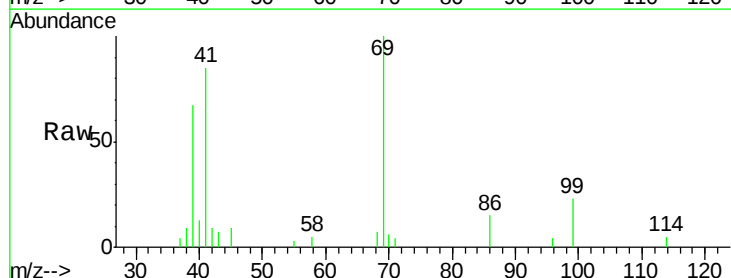
Tgt Ion: 69 Resp: 24500

Ion Ratio Lower Upper

69 100

41 85.3 66.8 100.2

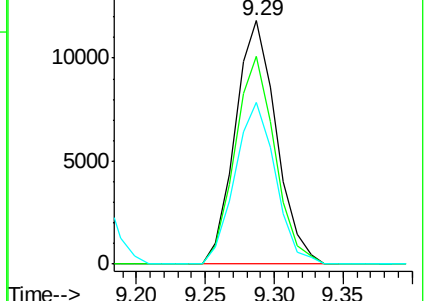
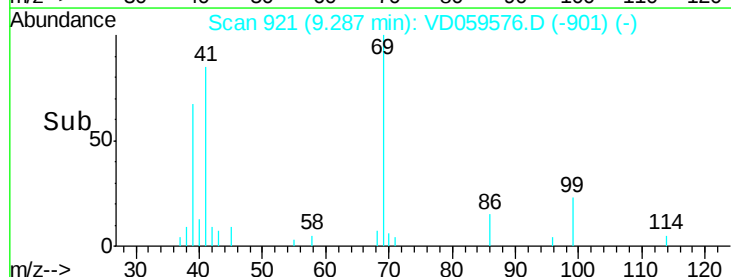
39 66.5 54.7 82.1

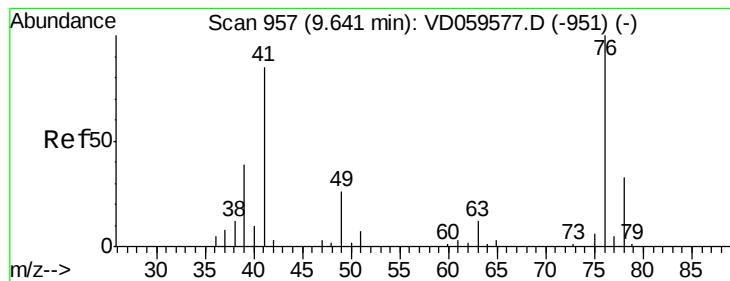


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.414 ug/l

RT: 9.63 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

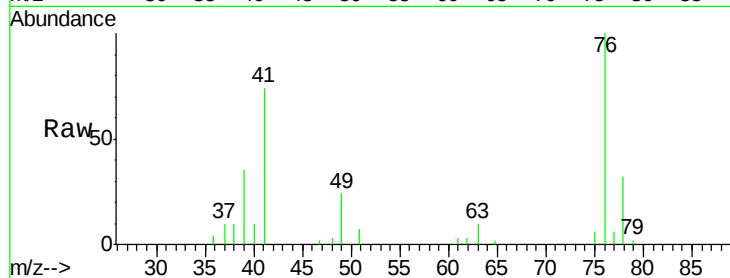
VSTDIC020

Tot Ion: 76 Resp: 31744

Ion Ratio Lower Upper

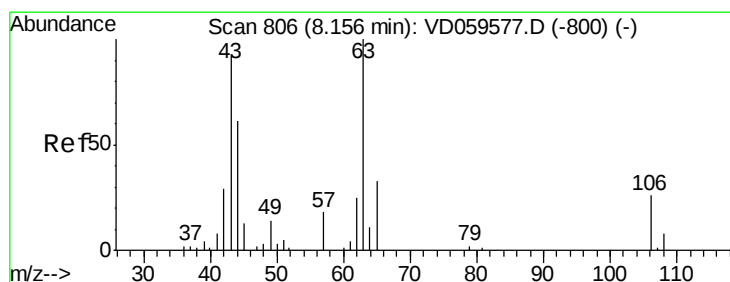
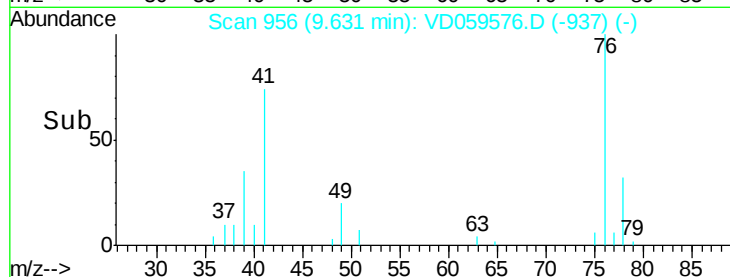
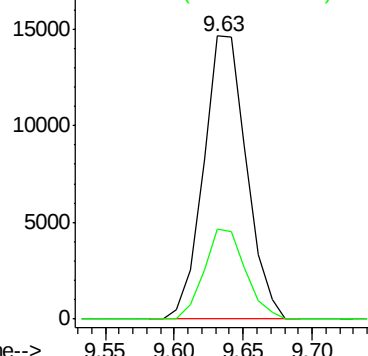
76 100

78 31.8 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 116.653 ug/l

RT: 8.16 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD059576.D

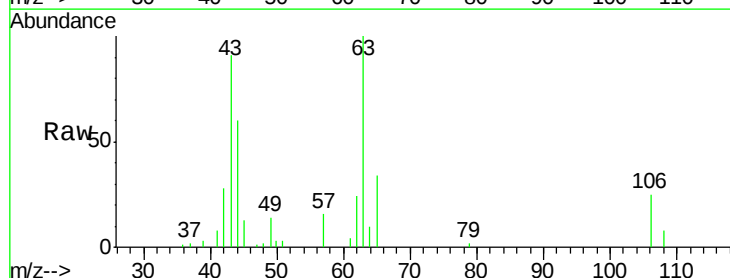
Acq: 24 Jul 2018 17:46

Tgt Ion: 63 Resp: 50208

Ion Ratio Lower Upper

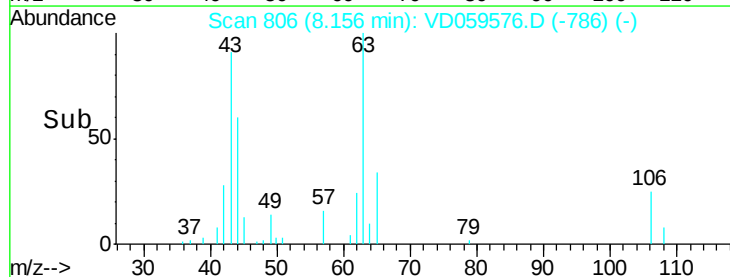
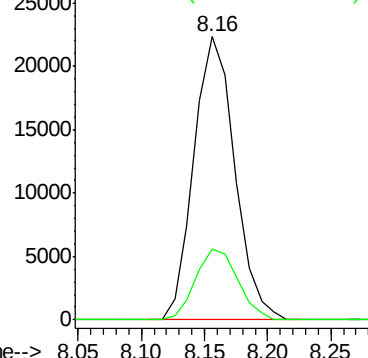
63 100

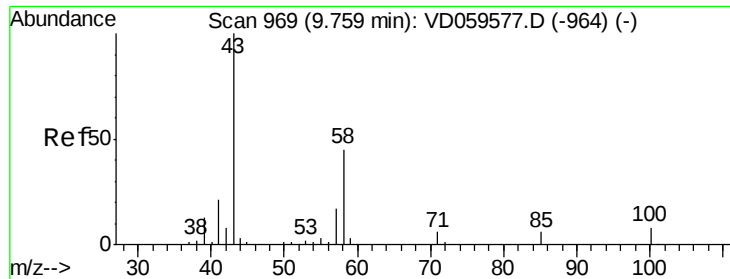
106 25.0 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

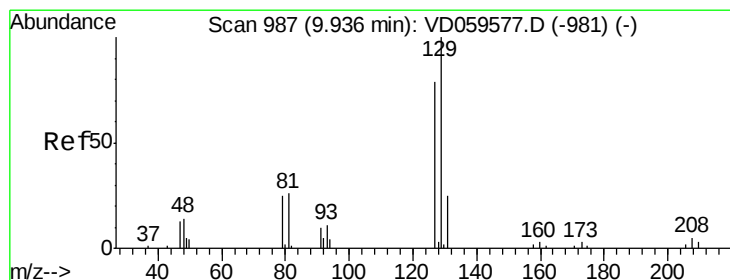
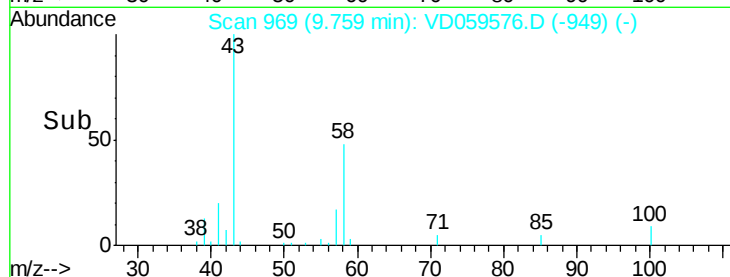
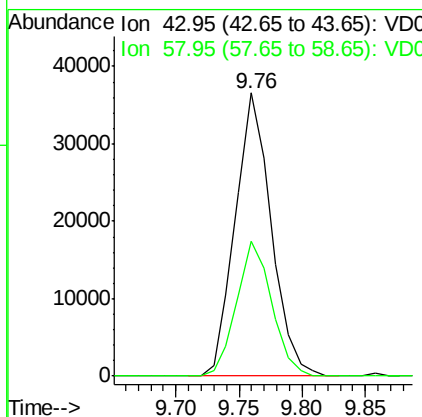
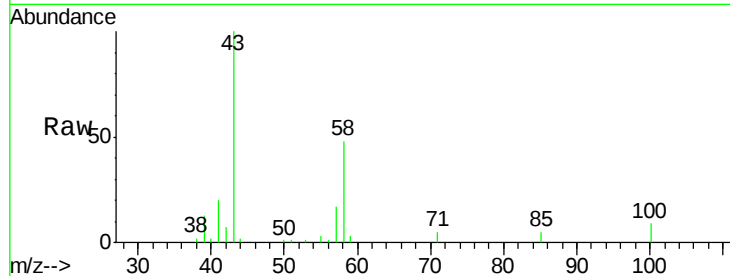




#59
2-Hexanone
Concen: 151.530 ug/l
RT: 9.76 min Scan# 969
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

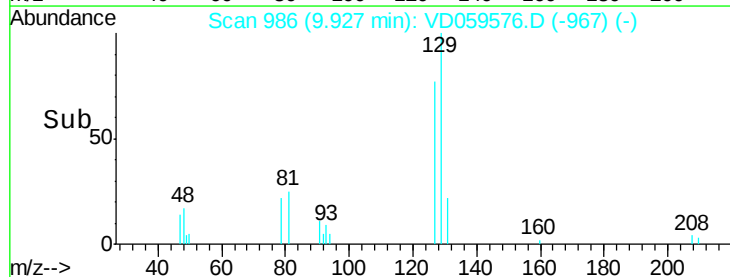
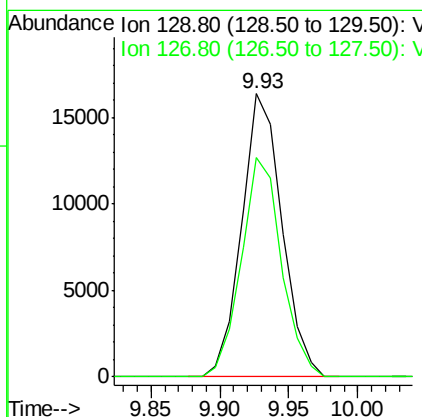
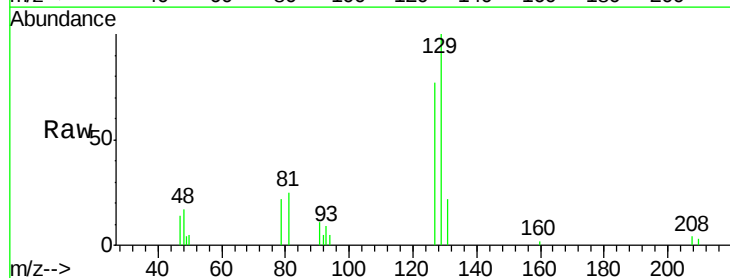
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

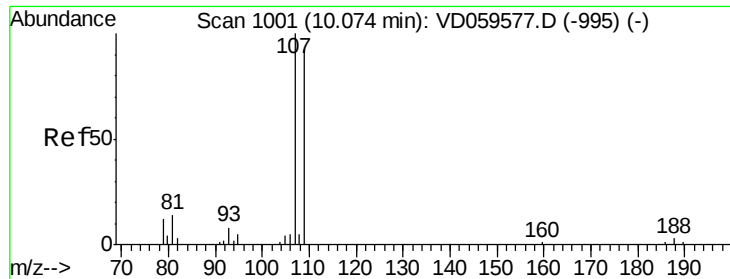
Tot Ion: 43 Resp: 72172
Ion Ratio Lower Upper
43 100
58 47.8 22.7 68.1



#60
Dibromochloromethane
Concen: 21.240 ug/l
RT: 9.93 min Scan# 986
Delta R.T. -0.01 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion:129 Resp: 33293
Ion Ratio Lower Upper
129 100
127 77.3 39.3 117.9





#61

1,2-Dibromoethane

Concen: 23.729 ug/l

RT: 10.06 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

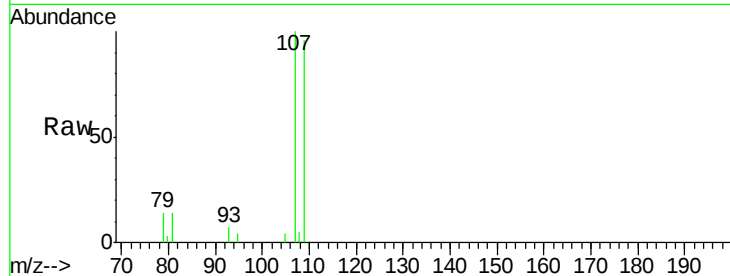
VSTDIC020

Tot Ion:107 Resp: 24390

Ion Ratio Lower Upper

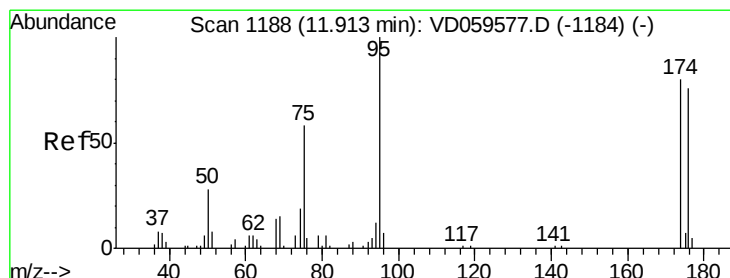
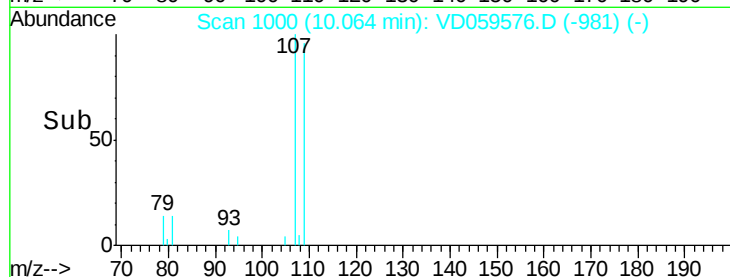
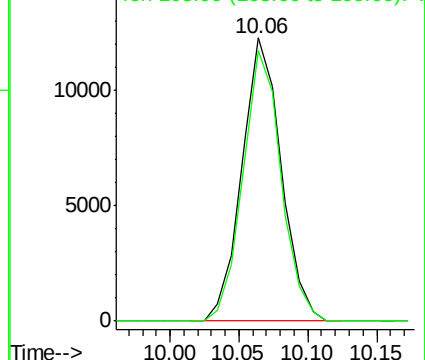
107 100

109 95.8 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 23.729 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

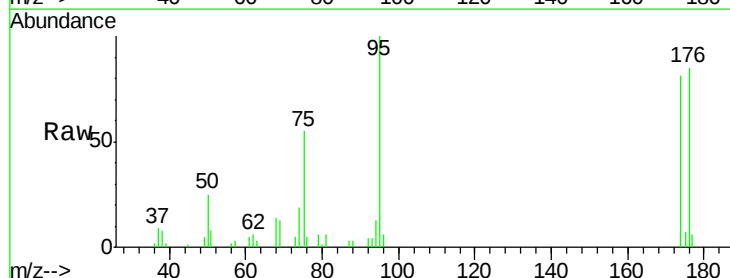
Tgt Ion: 95 Resp: 34609

Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.6

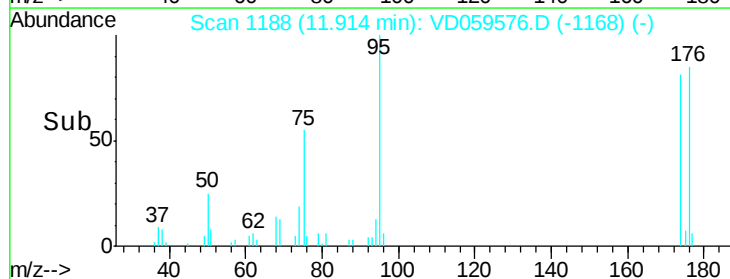
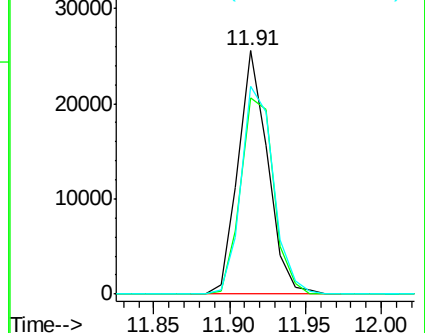
176 85.3 0.0 152.8

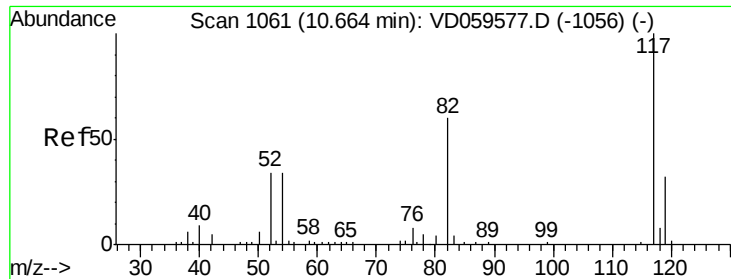


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

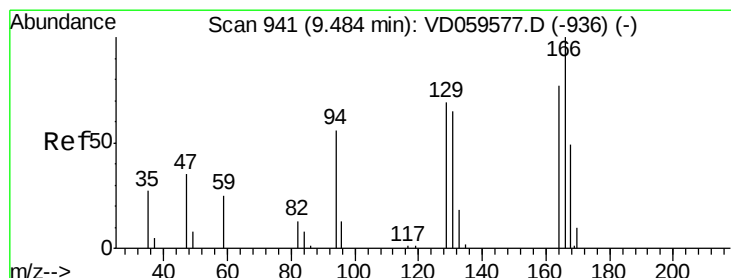
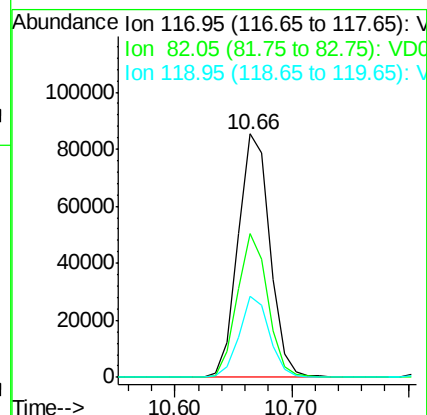
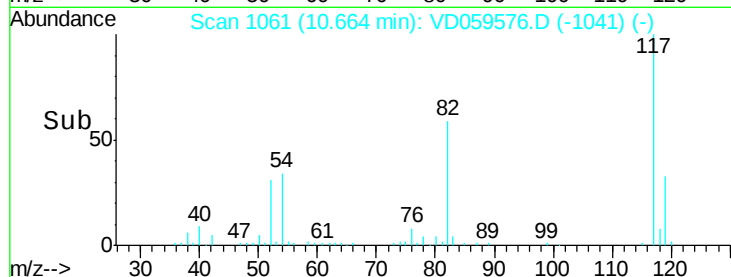
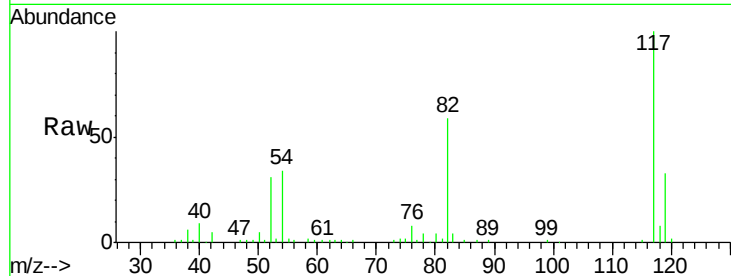




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

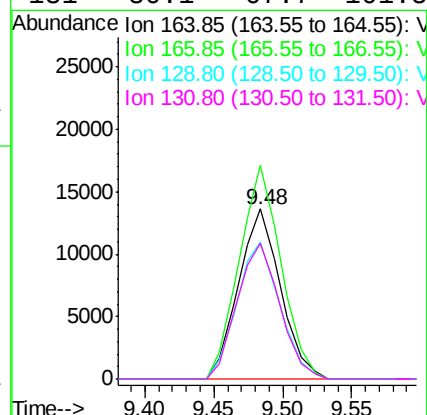
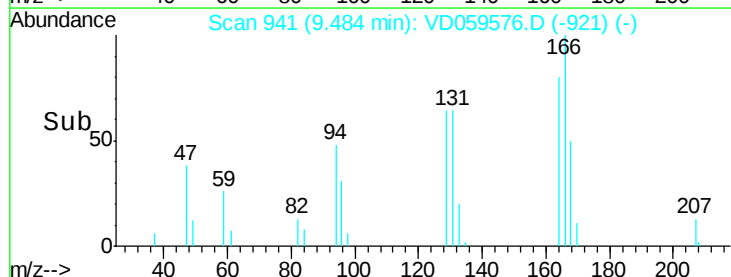
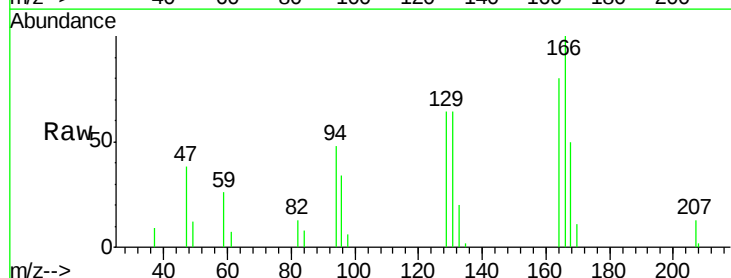
Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

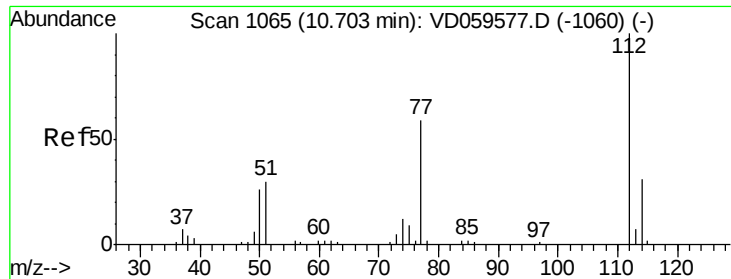
Tot Ion:117 Resp: 161354
Ion Ratio Lower Upper
117 100
82 59.1 48.2 72.2
119 33.2 25.4 38.2



#64
Tetrachloroethene
Concen: 13.312 ug/l
RT: 9.48 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion:164 Resp: 28809
Ion Ratio Lower Upper
164 100
166 125.5 104.0 156.0
129 80.7 72.2 108.4
131 80.1 67.7 101.5

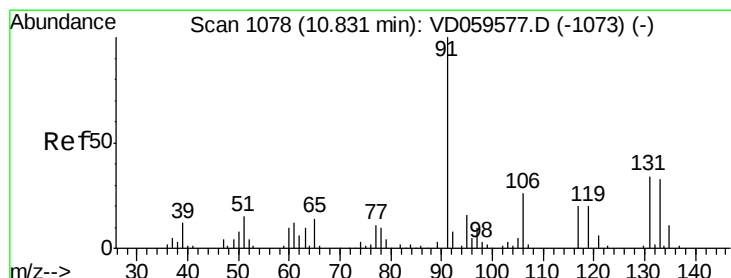
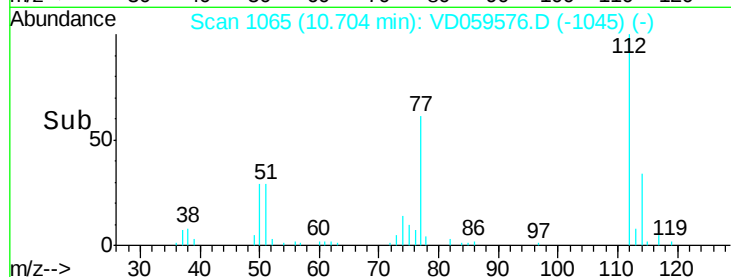
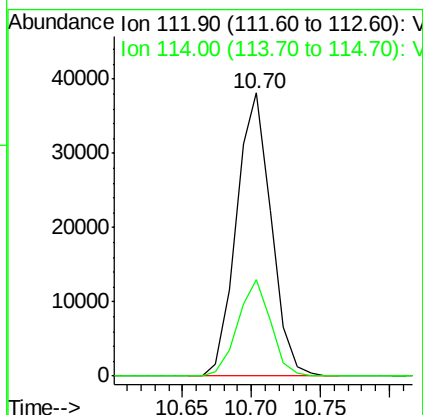
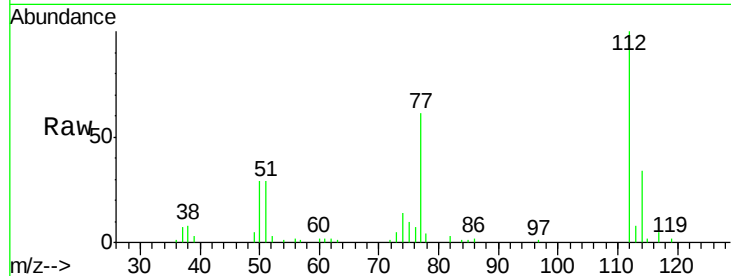




#65
Chlorobenzene
Concen: 21.015 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

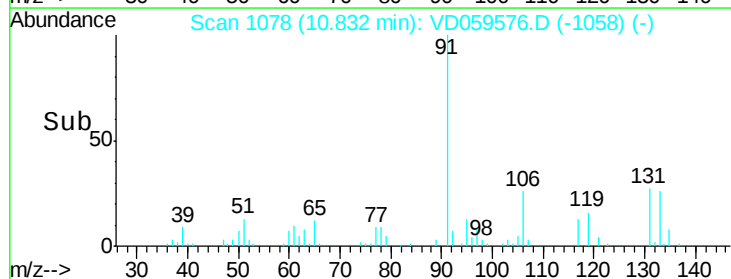
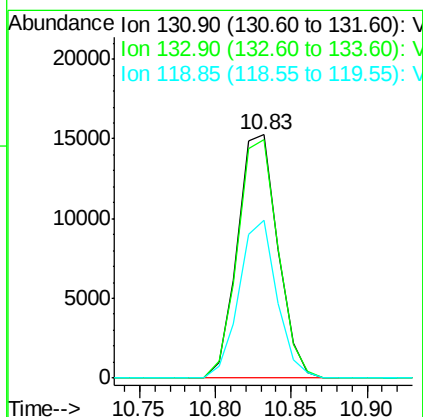
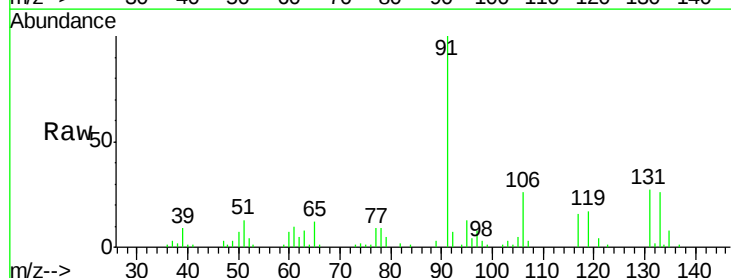
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

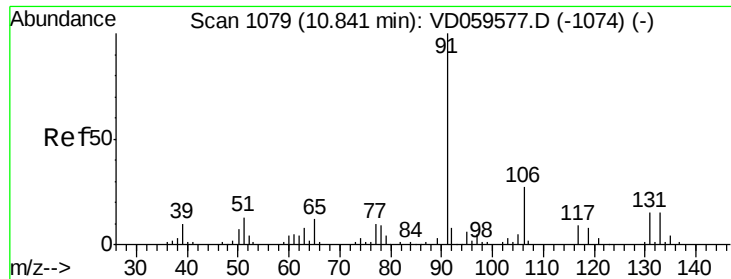
Tot Ion:112 Resp: 66781
Ion Ratio Lower Upper
112 100
114 34.3 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.854 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion:131 Resp: 28233
Ion Ratio Lower Upper
131 100
133 98.1 47.9 143.7
119 64.8 28.7 86.1

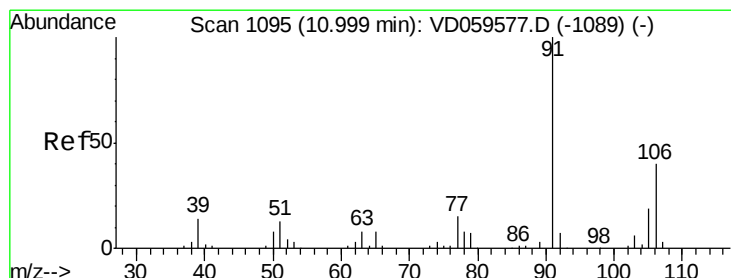
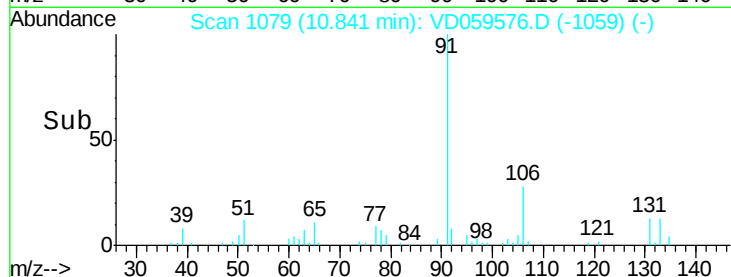
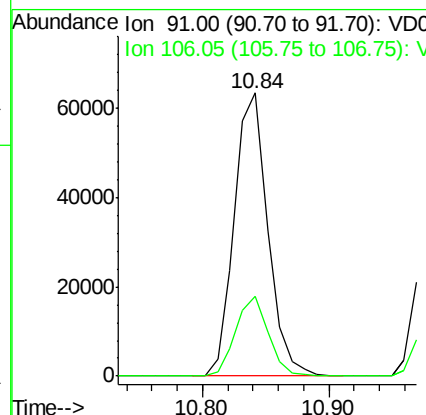
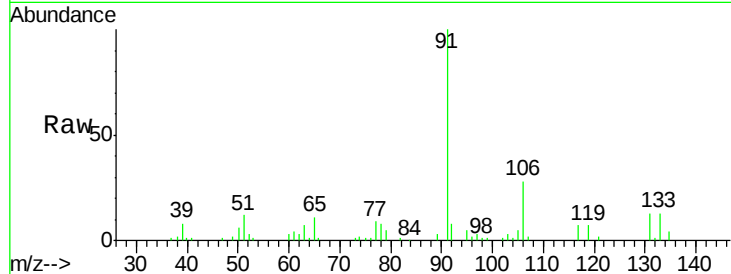




#67
Ethyl Benzene
Concen: 24.456 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

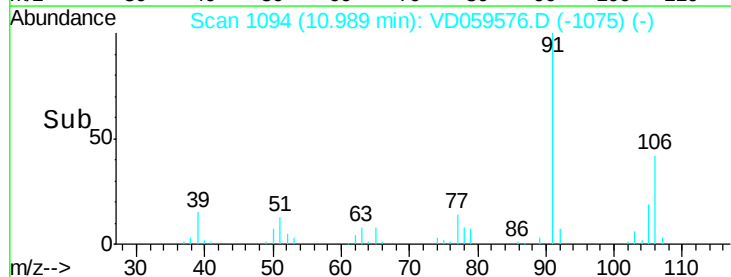
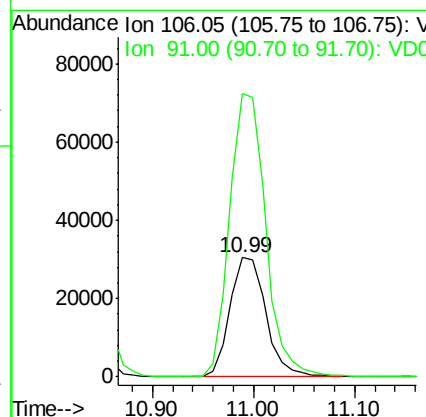
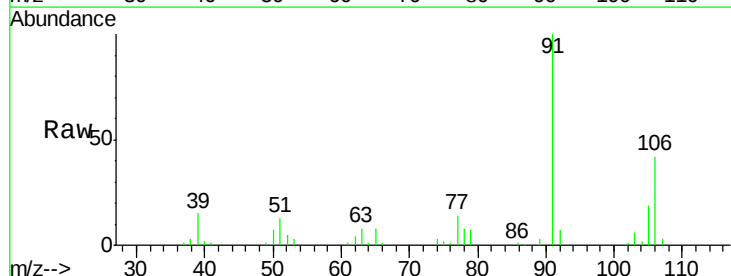
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 116273
Ion Ratio Lower Upper
91 100
106 28.1 21.6 32.4



#68
m/p-Xylenes
Concen: 43.543 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion: 106 Resp: 75542
Ion Ratio Lower Upper
106 100
91 237.0 198.2 297.4

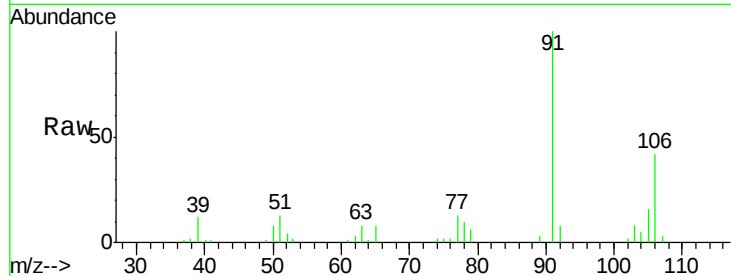




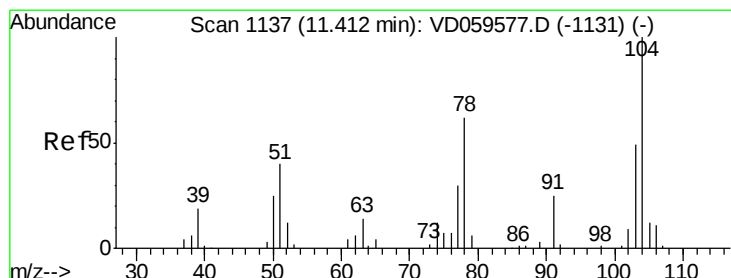
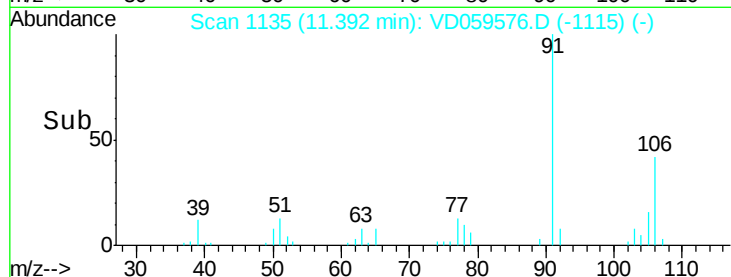
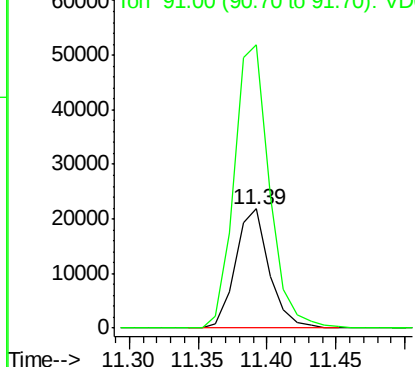
#69
o-Xylene
Concen: 22.076 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 37263
Ion Ratio Lower Upper
106 100
91 237.1 122.7 368.1

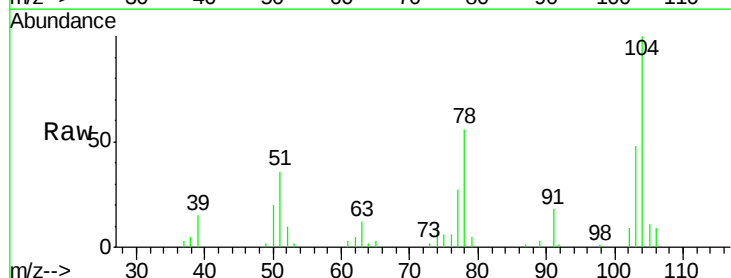


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

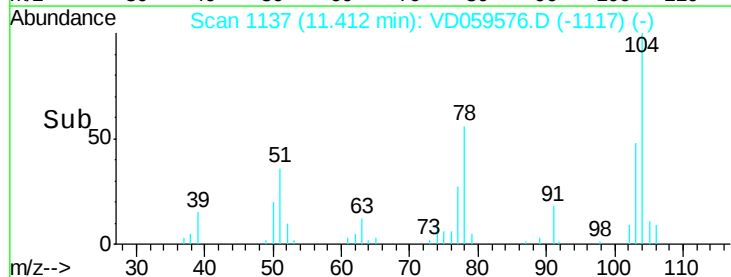
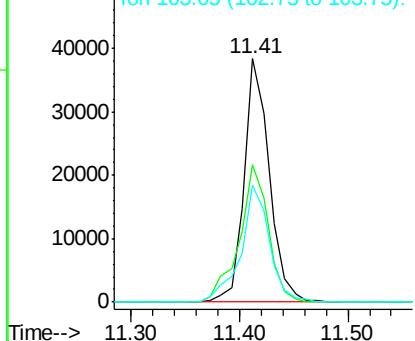


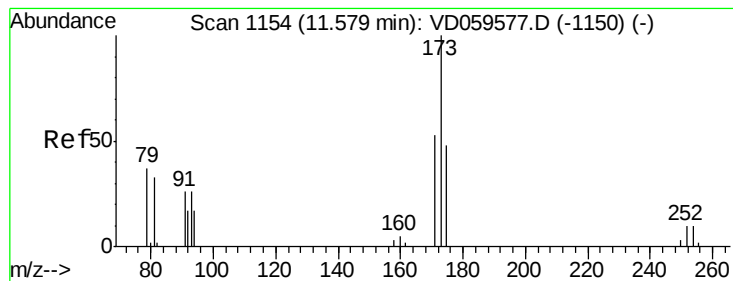
#70
Styrene
Concen: 22.136 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion:104 Resp: 61742
Ion Ratio Lower Upper
104 100
78 56.3 49.4 74.0
103 47.9 39.0 58.6



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





#71

Bromoform

Concen: 18.395 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

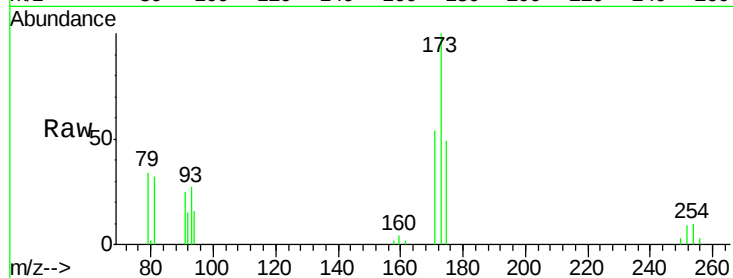
Tot Ion:173 Resp: 22973

Ion Ratio Lower Upper

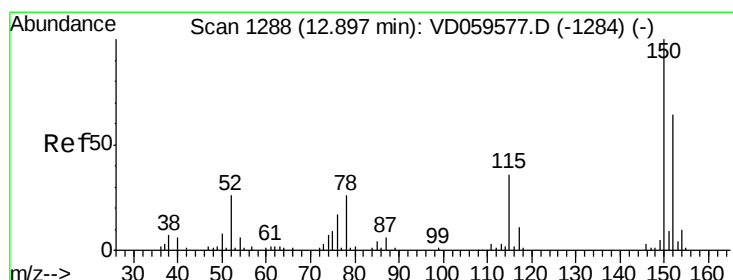
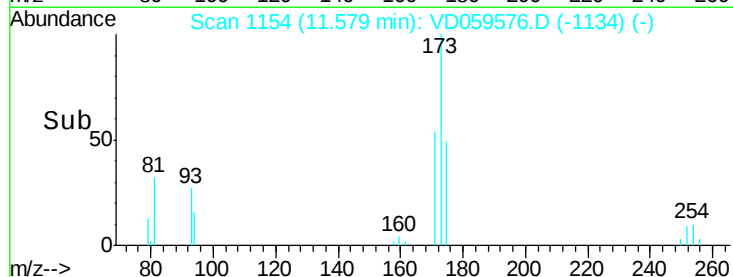
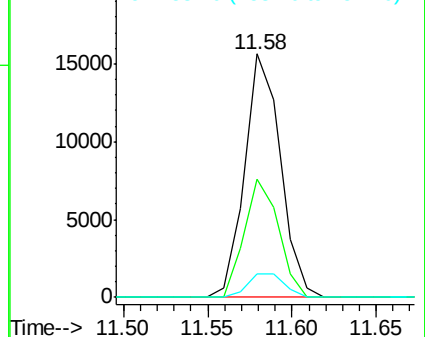
173 100

175 48.5 23.8 71.4

254 9.6 7.8 11.6



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: 12.90 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

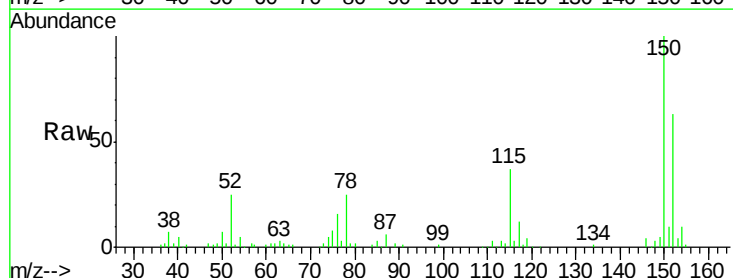
Tgt Ion:152 Resp: 80689

Ion Ratio Lower Upper

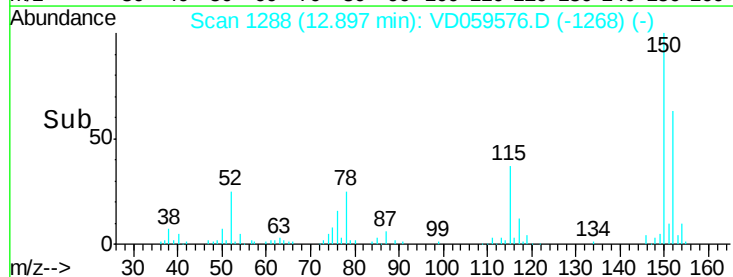
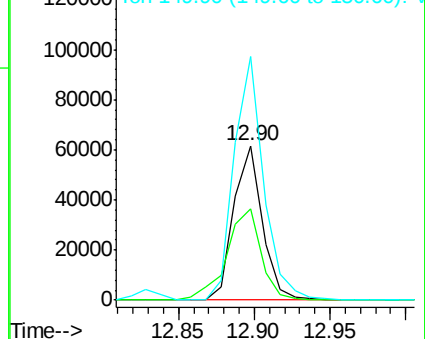
152 100

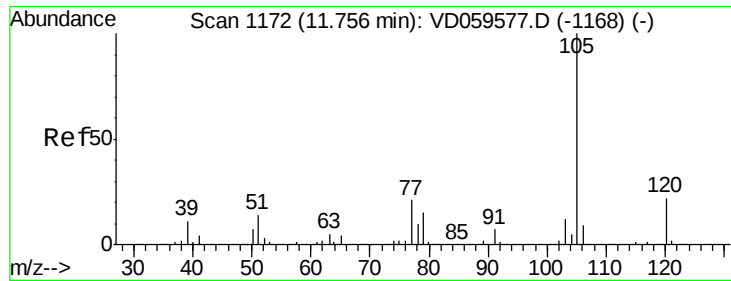
115 59.0 29.5 88.6

150 157.5 0.0 314.4



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: 26.530 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

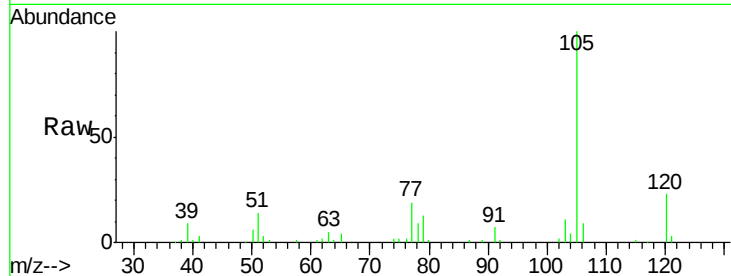
VSTDIC020

Tot Ion:105 Resp: 114710

Ion Ratio Lower Upper

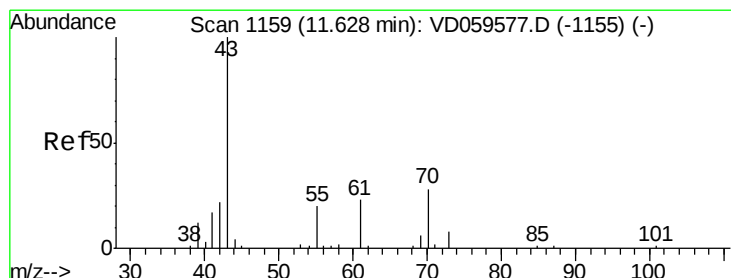
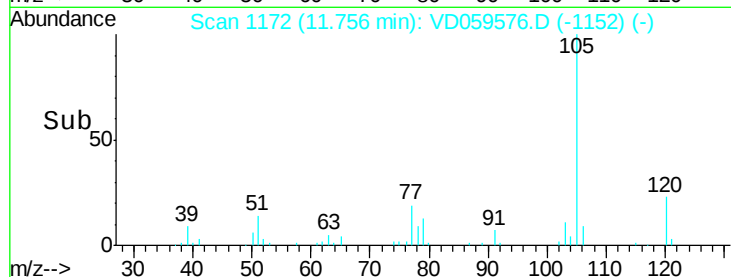
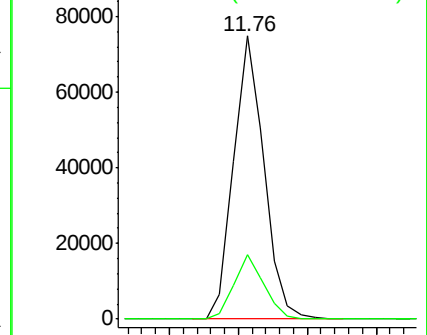
105 100

120 22.7 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 32.222 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Tgt Ion: 43 Resp: 37256

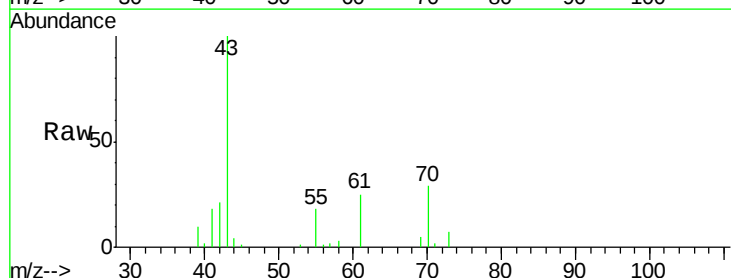
Ion Ratio Lower Upper

43 100

70 29.0 22.0 33.0

55 18.5 16.2 24.2

61 25.2 18.6 27.8

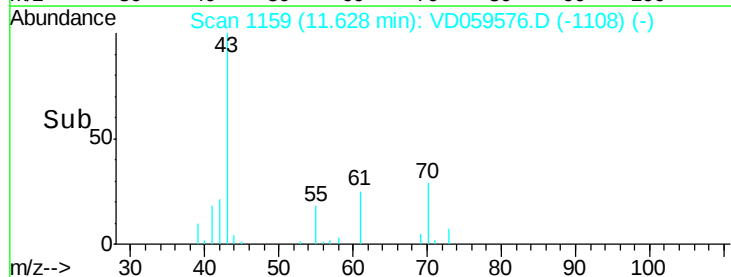
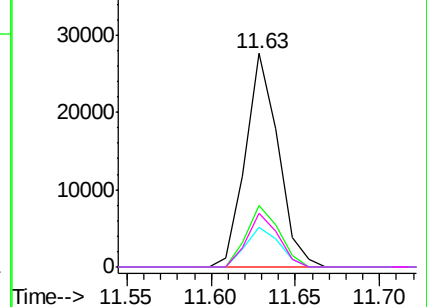


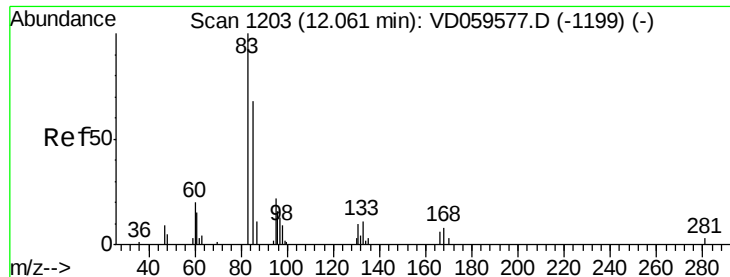
Abundance Ion 42.95 (42.65 to 43.65): V

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: 27.193 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

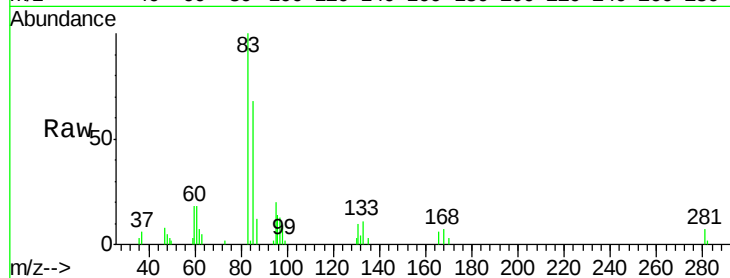
Tot Ion: 83 Resp: 23692

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

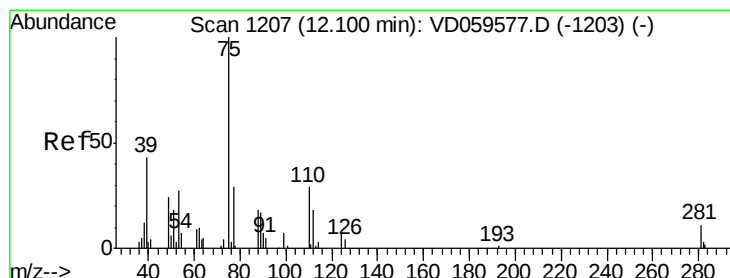
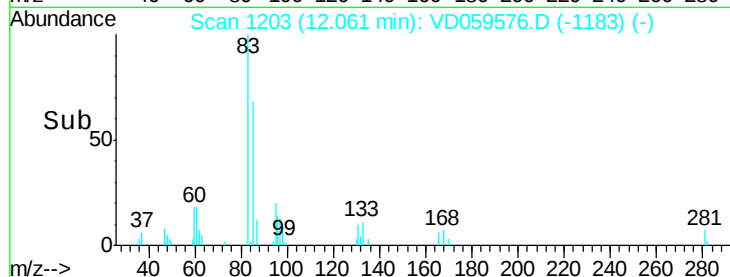
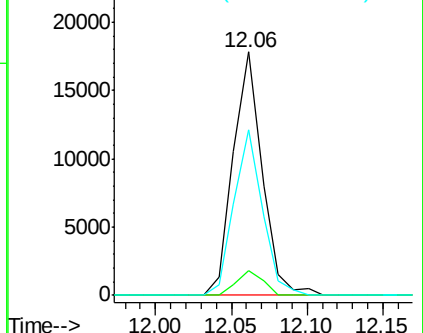
85 67.8 34.1 102.3



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: 30.763 ug/l

RT: 12.09 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VD059576.D

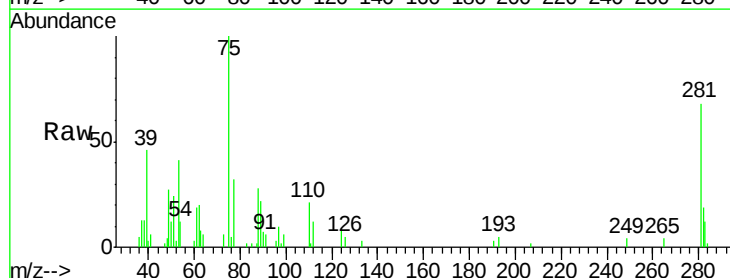
Acq: 24 Jul 2018 17:46

Tgt Ion: 75 Resp: 27626

Ion Ratio Lower Upper

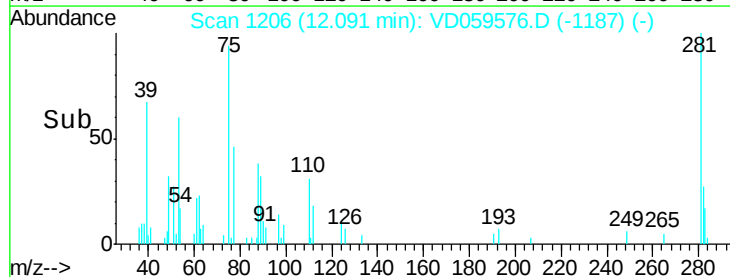
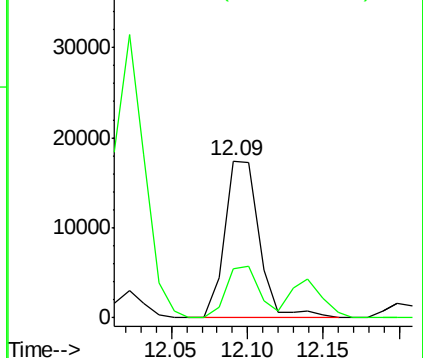
75 100

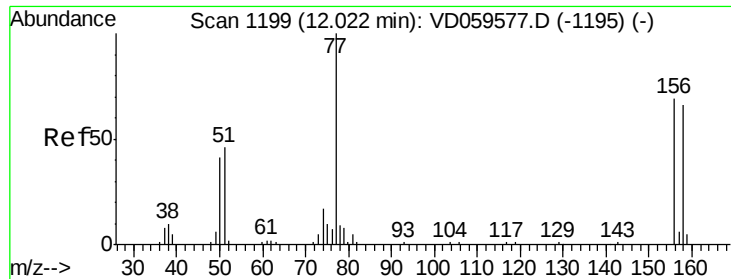
77 31.6 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.593 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

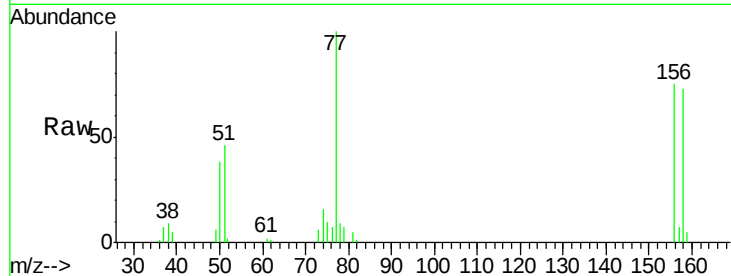
Tot Ion:156 Resp: 33094

Ion Ratio Lower Upper

156 100

77 132.5 72.4 217.2

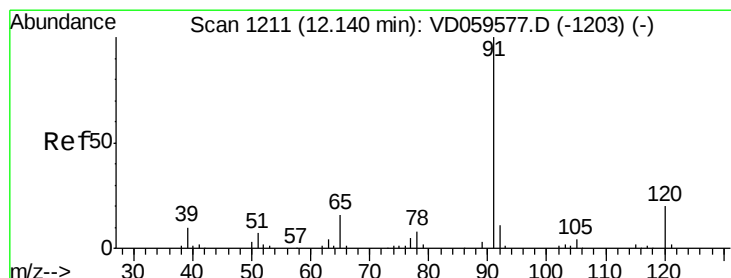
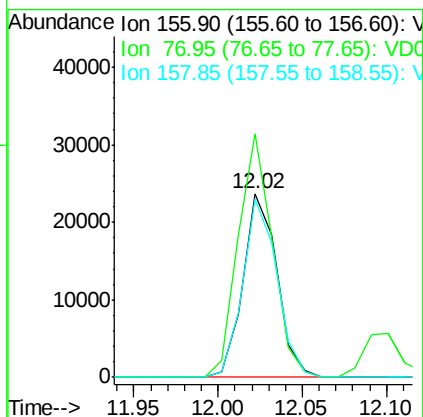
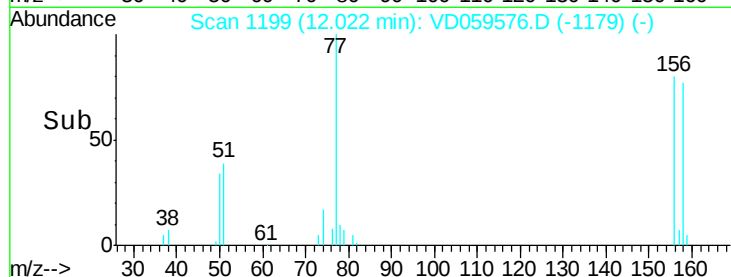
158 97.2 48.0 144.2



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: 28.535 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059576.D

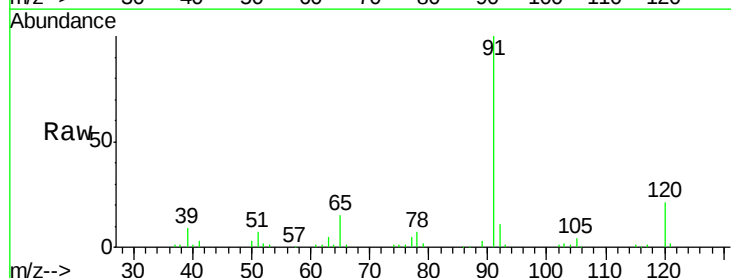
Acq: 24 Jul 2018 17:46

Tgt Ion: 91 Resp: 142789

Ion Ratio Lower Upper

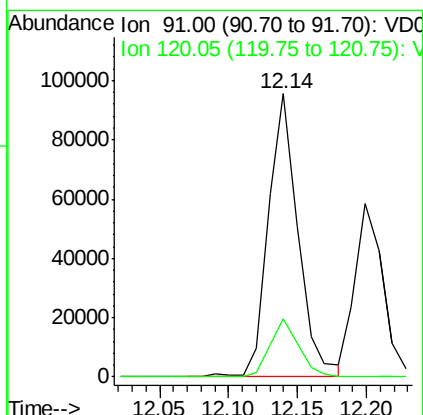
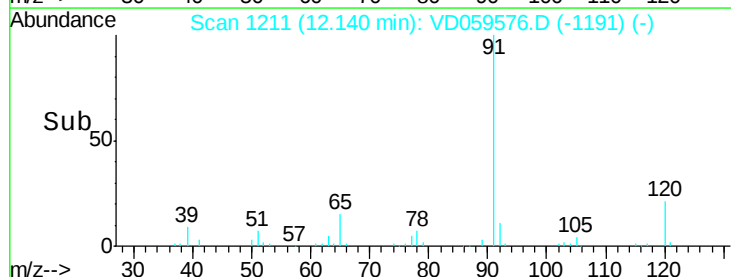
91 100

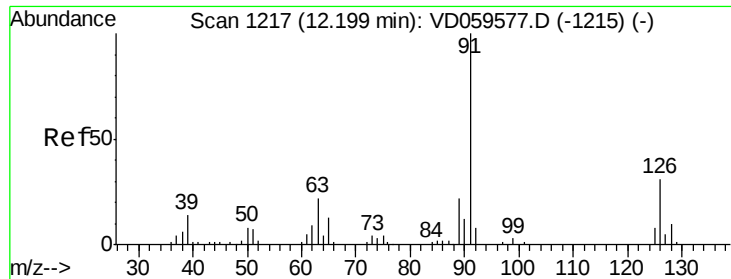
120 20.6 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

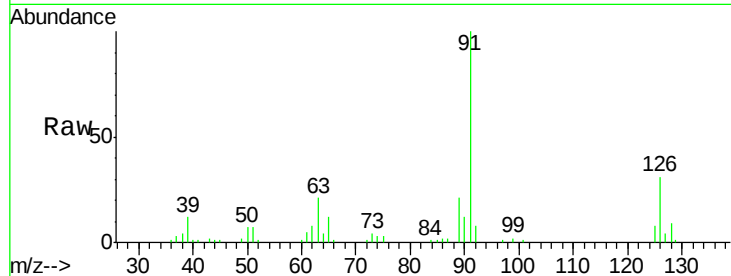




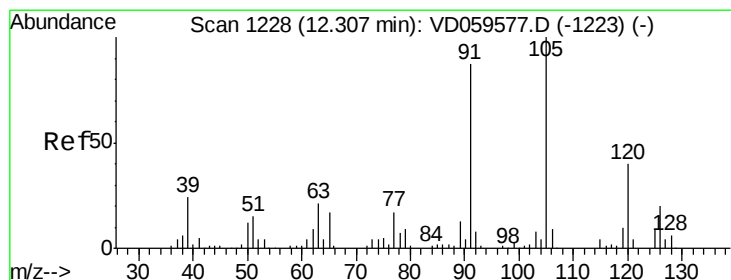
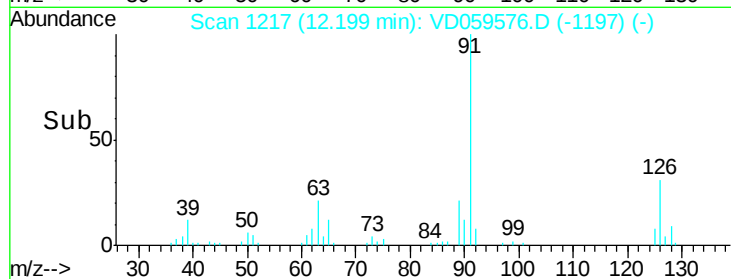
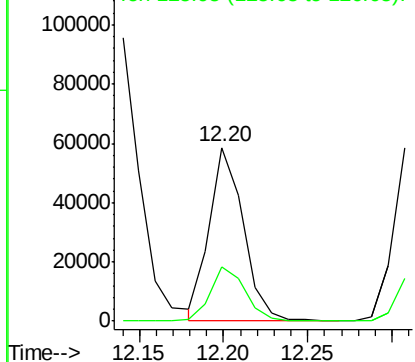
#79
 2-Chlorotoluene
 Concen: 27.850 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 82941
 Ion Ratio Lower Upper
 91 100
 126 31.0 14.5 43.6

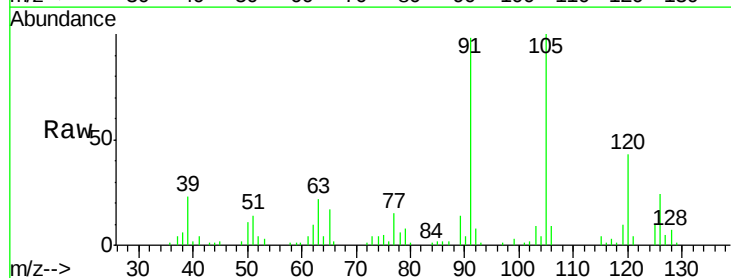


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

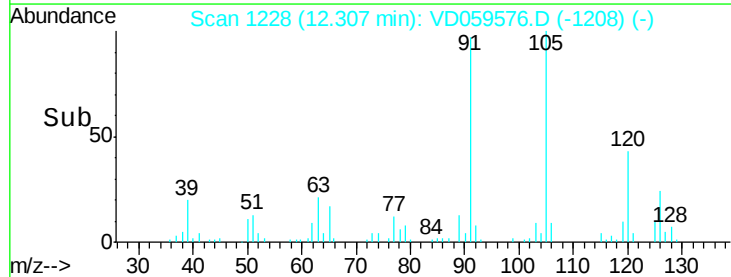
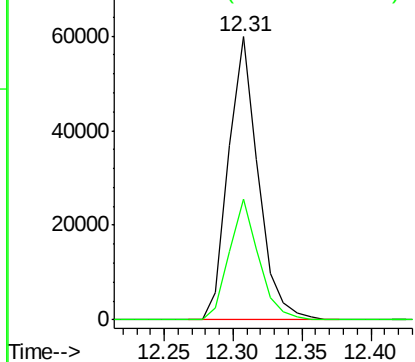


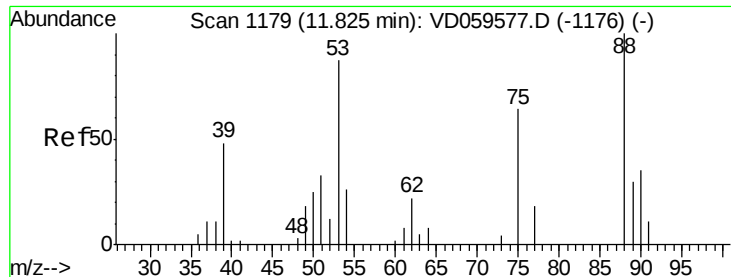
#80
 1,3,5-Trimethylbenzene
 Concen: 26.793 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion: 105 Resp: 89621
 Ion Ratio Lower Upper
 105 100
 120 42.7 19.9 59.6



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

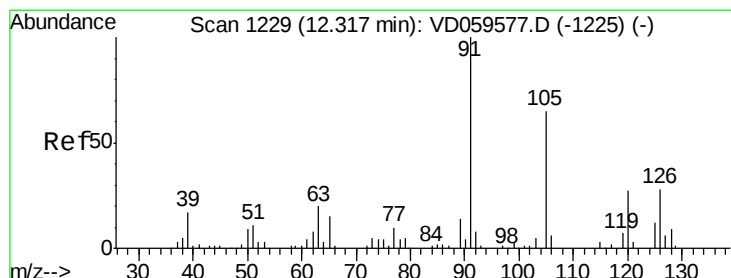
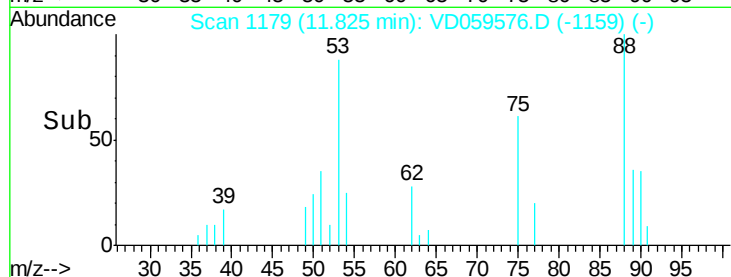
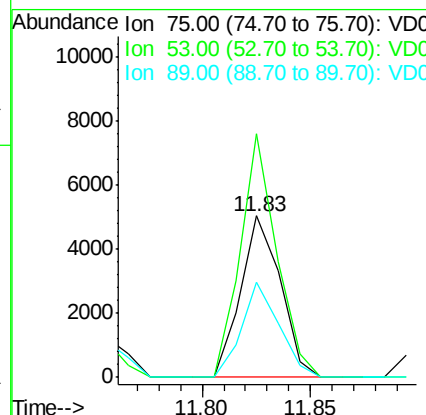
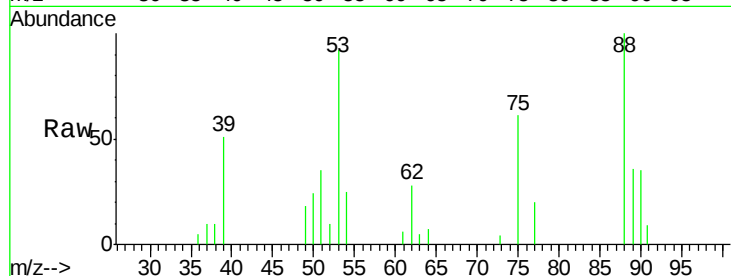




#81
trans-1,4-Dichloro-2-butene
Concen: 32.557 ug/l
RT: 11.83 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

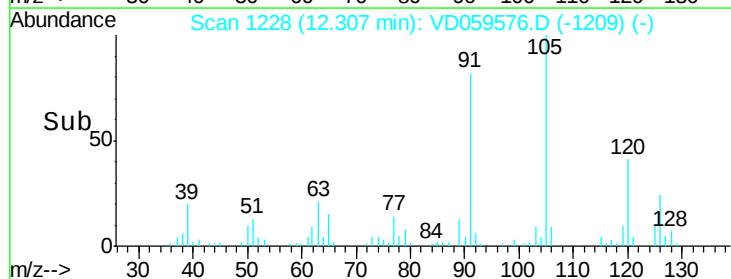
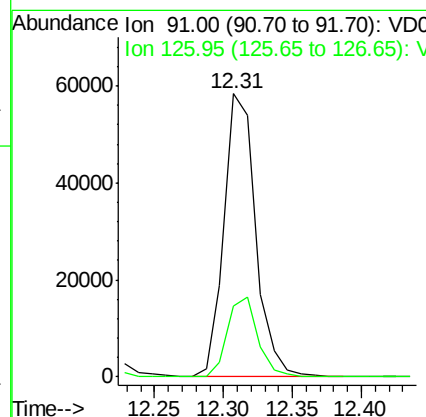
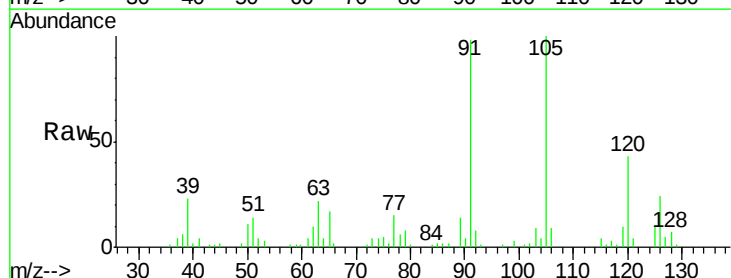
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

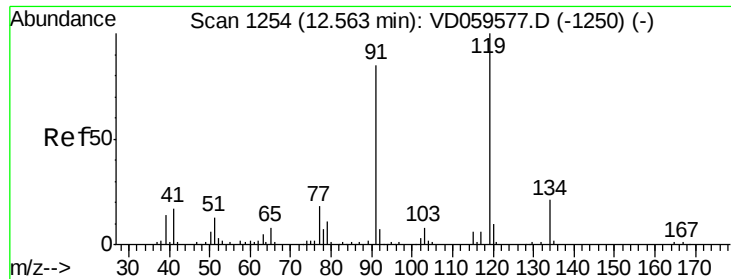
Tot Ion: 75 Resp: 6392
Ion Ratio Lower Upper
75 100
53 151.1 107.7 161.5
89 59.1 37.3 55.9#



#82
4-Chlorotoluene
Concen: 28.126 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion: 91 Resp: 93152
Ion Ratio Lower Upper
91 100
126 24.9 14.1 42.4





#83

tert-Butylbenzene

Concen: 27.849 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. 0.00 min

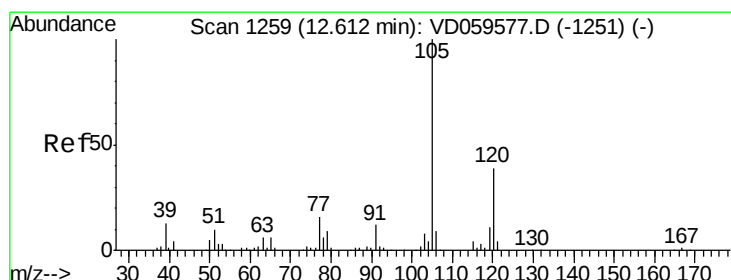
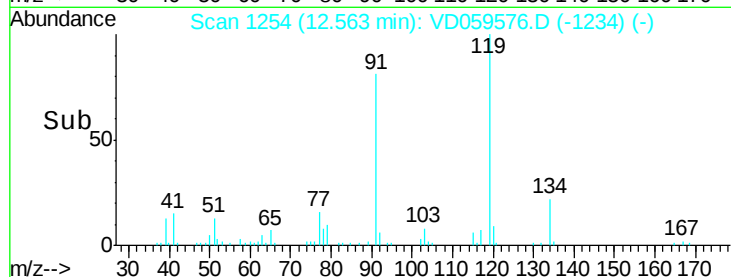
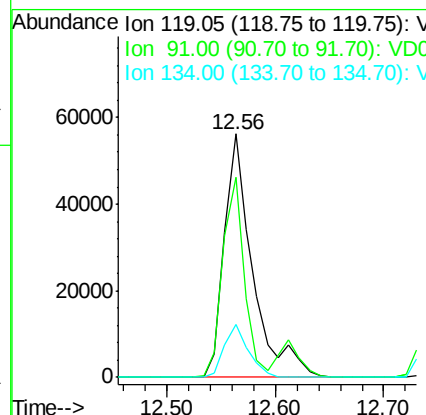
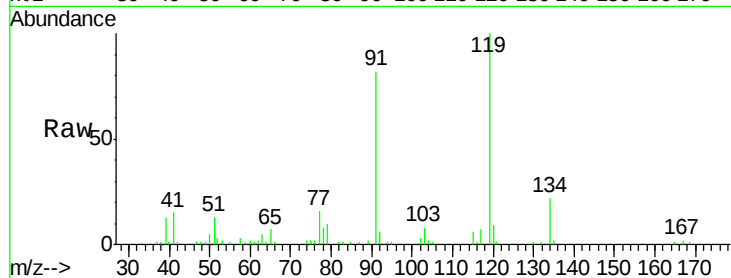
Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:119 Resp: 102023

Ion	Ratio	Lower	Upper
119	100		
91	82.0	42.5	127.5
134	21.8	10.5	31.6



#84

1,2,4-Trimethylbenzene

Concen: 27.251 ug/l

RT: 12.61 min Scan# 1259

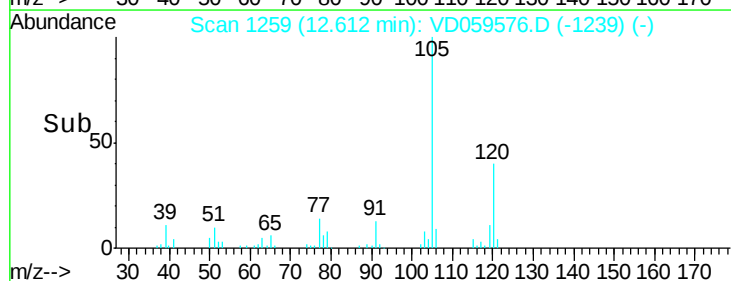
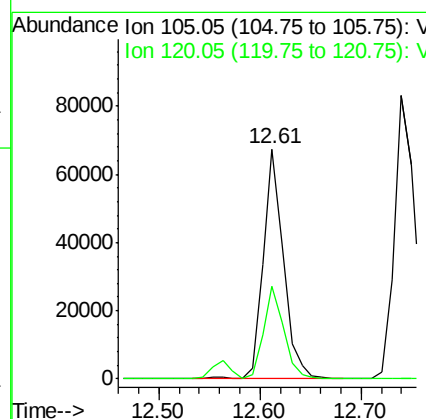
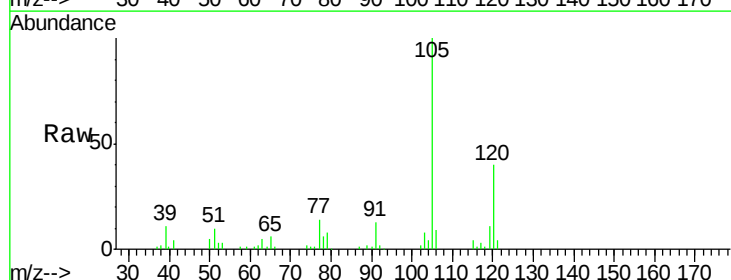
Delta R.T. 0.00 min

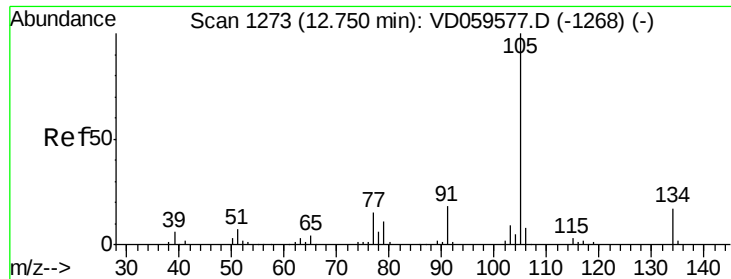
Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Tgt Ion:105 Resp: 94647

Ion	Ratio	Lower	Upper
105	100		
120	40.2	19.3	57.9





#85

sec-Butylbenzene

Concen: 28.312 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

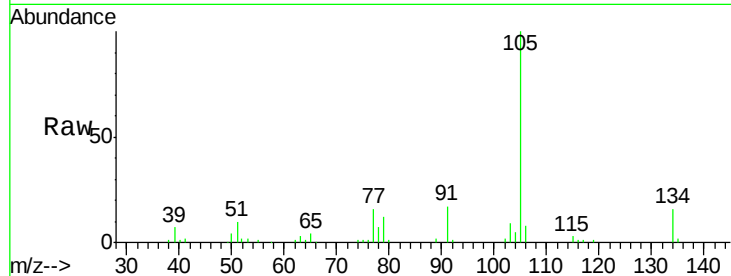
VSTDIC020

Tot Ion:105 Resp: 117084

Ion Ratio Lower Upper

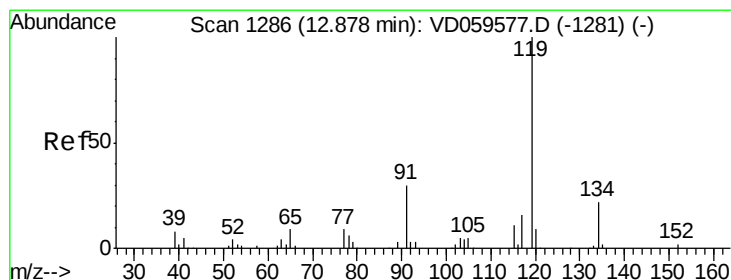
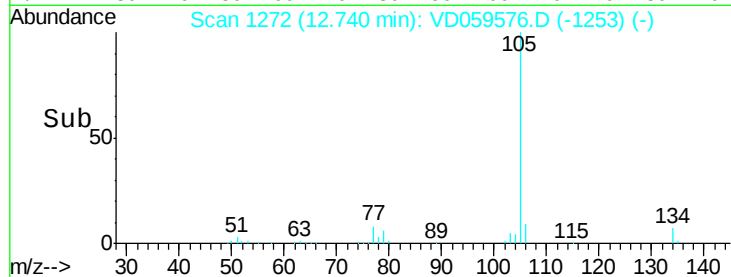
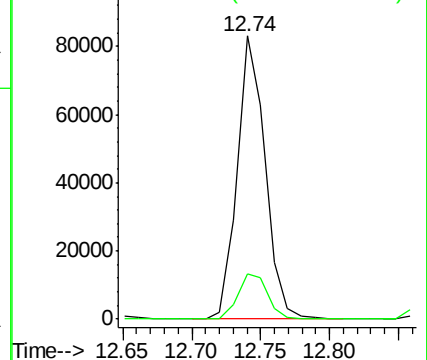
105 100

134 15.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 25.299 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

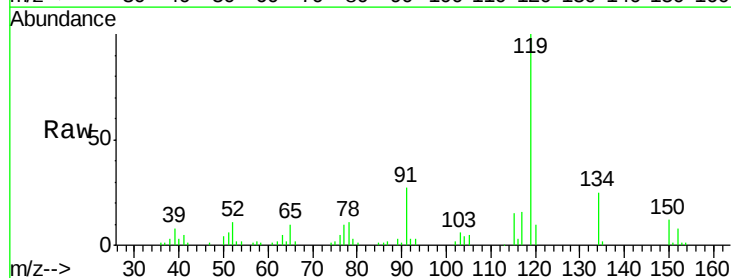
Tgt Ion:119 Resp: 95735

Ion Ratio Lower Upper

119 100

134 24.7 11.2 33.6

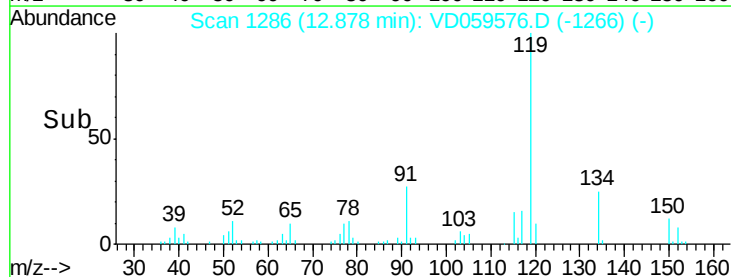
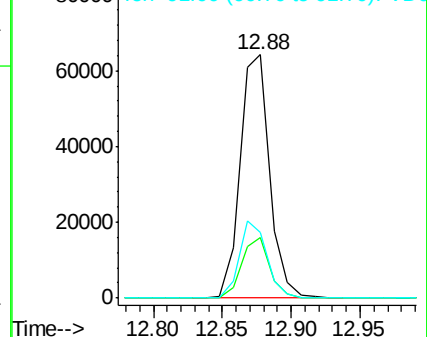
91 27.2 15.0 45.1

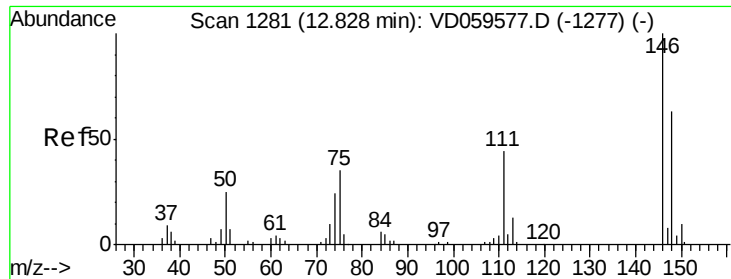


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

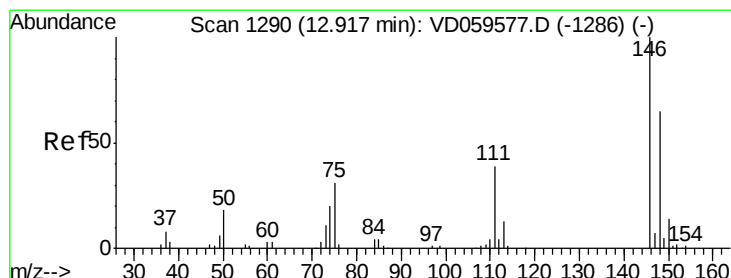
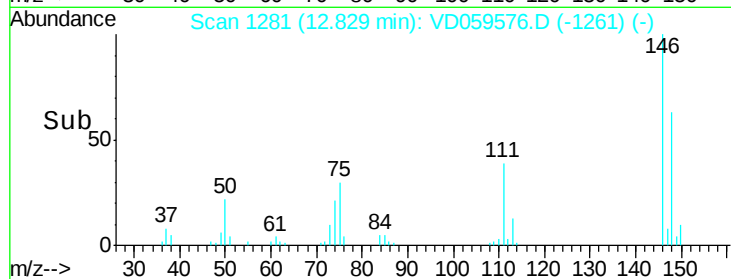
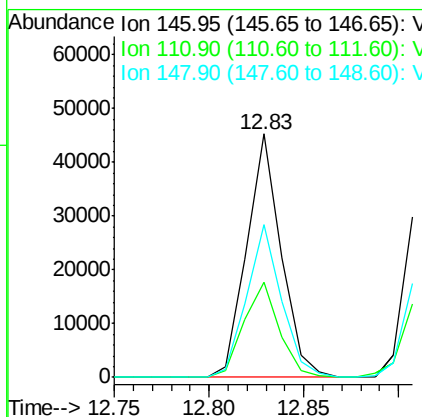
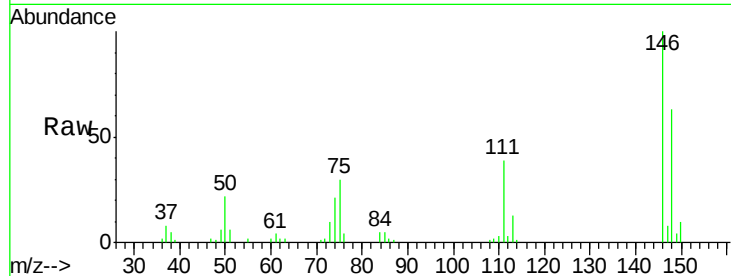




#87
 1,3-Dichlorobenzene
 Concen: 20.854 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

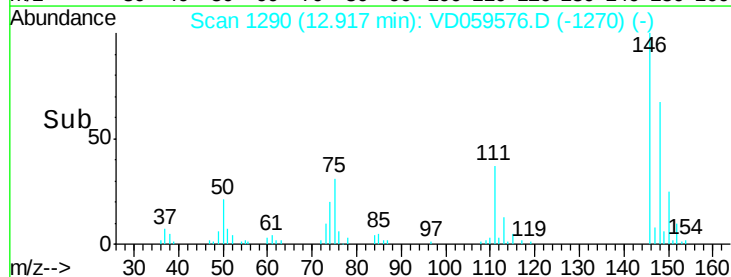
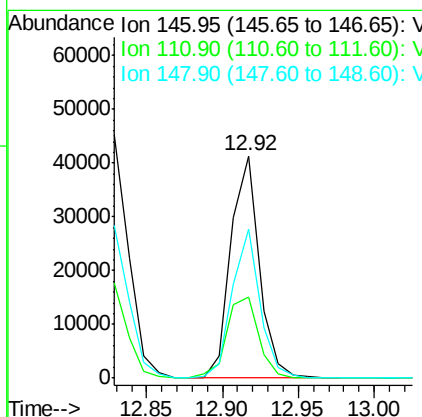
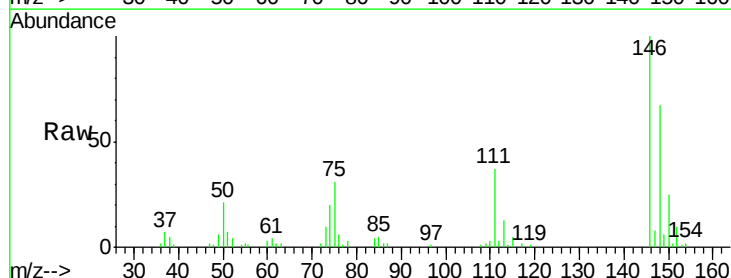
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

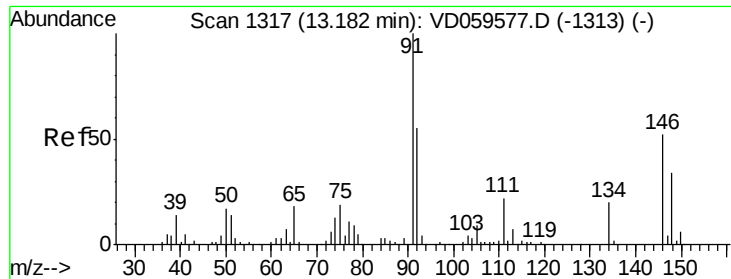
Tot Ion:146 Resp: 57031
 Ion Ratio Lower Upper
 146 100
 111 39.3 22.2 66.6
 148 62.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion:146 Resp: 53925
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.3 57.9
 148 67.2 32.4 97.2

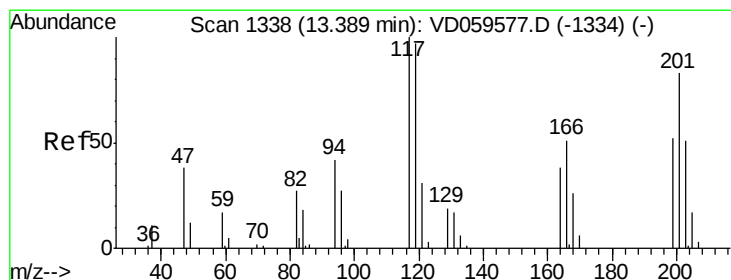
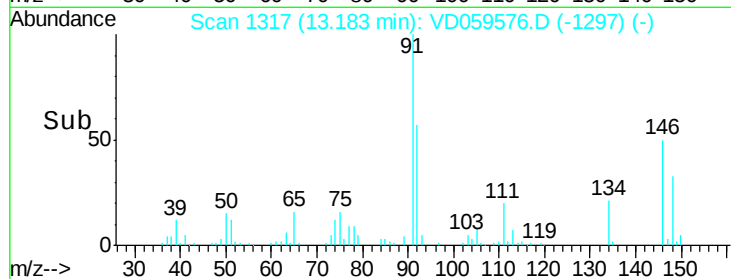
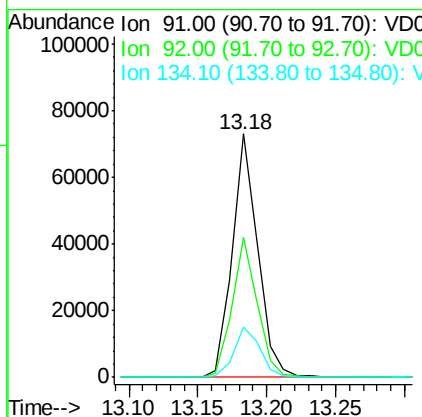
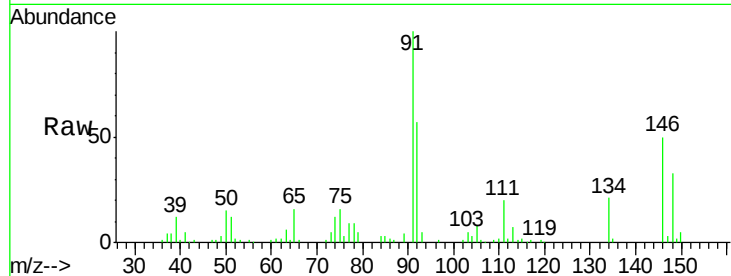




#89
n-Butylbenzene
Concen: 29.707 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

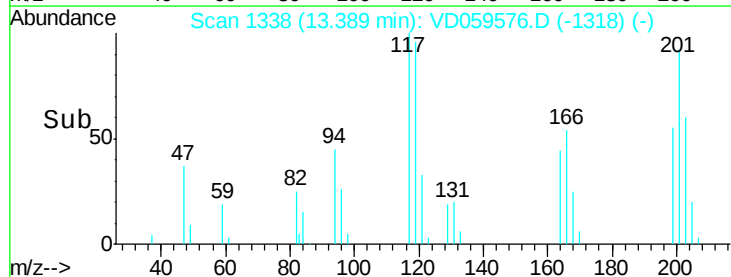
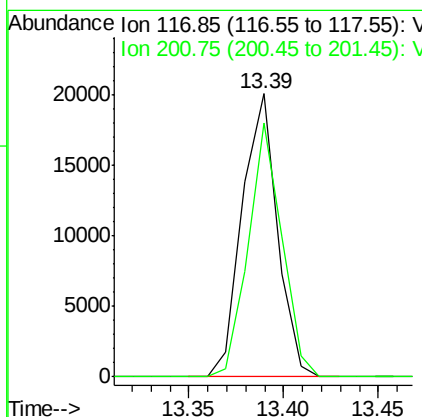
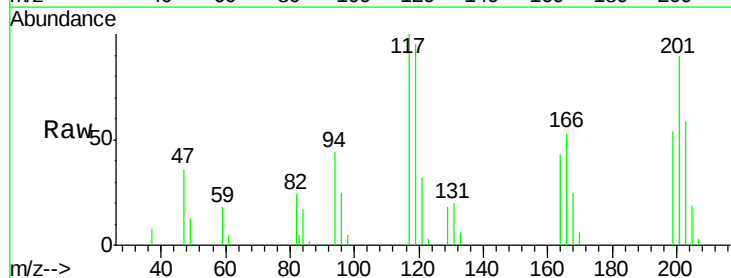
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

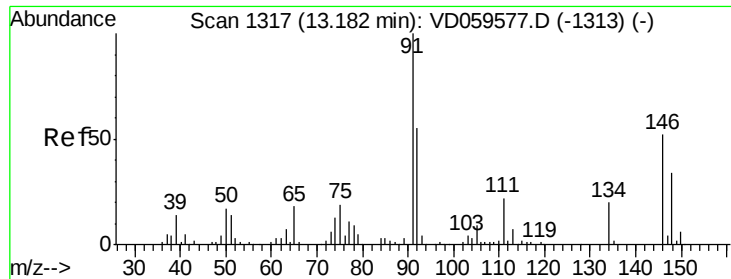
Tot Ion: 91 Resp: 93941
Ion Ratio Lower Upper
91 100
92 57.5 27.6 82.7
134 20.6 10.1 30.3



#90
Hexachloroethane
Concen: 25.509 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion: 117 Resp: 25851
Ion Ratio Lower Upper
117 100
201 89.8 41.5 124.5





#91

1,2-Dichlorobenzene

Concen: 20.937 ug/l

RT: 13.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

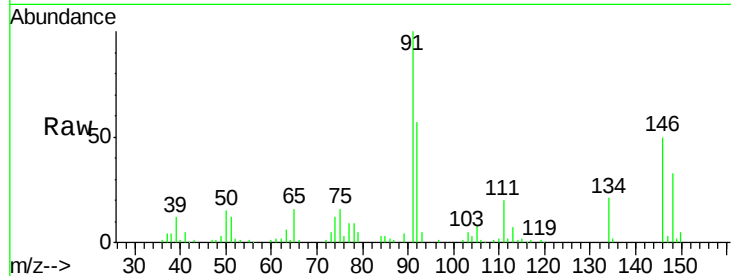
Tot Ion:146 Resp: 47354

Ion Ratio Lower Upper

146 100

111 40.5 21.4 64.3

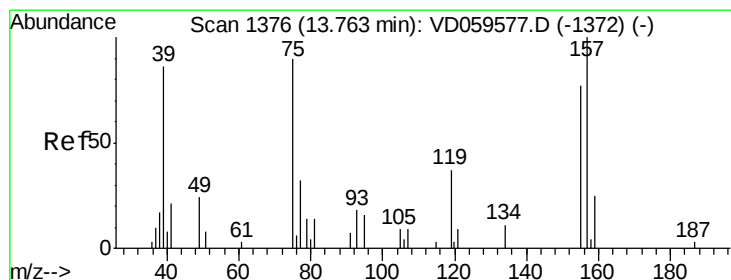
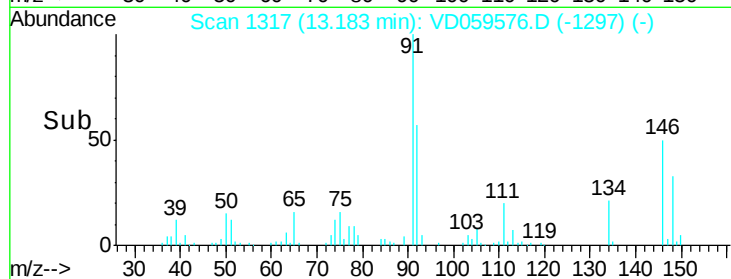
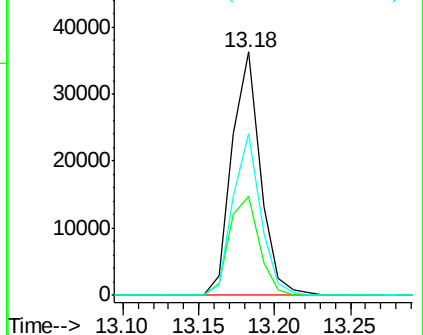
148 66.4 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 29.380 ug/l

RT: 13.76 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VD059576.D

Acq: 24 Jul 2018 17:46

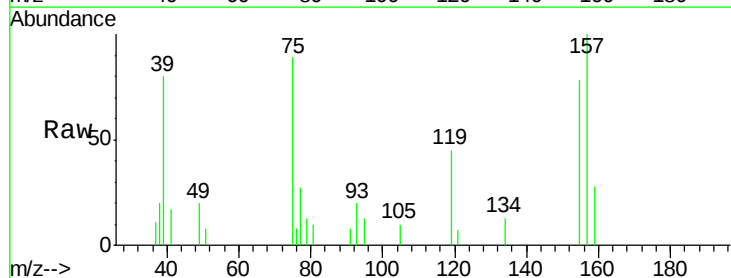
Tgt Ion: 75 Resp: 4293

Ion Ratio Lower Upper

75 100

155 87.6 42.5 127.5

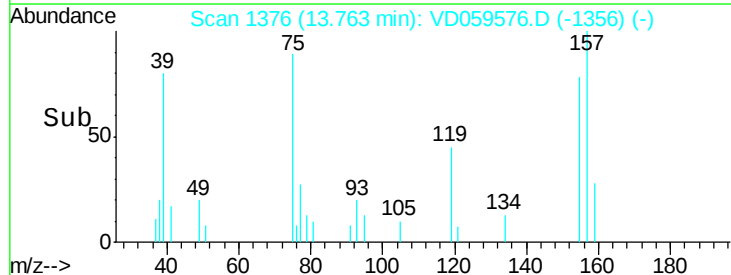
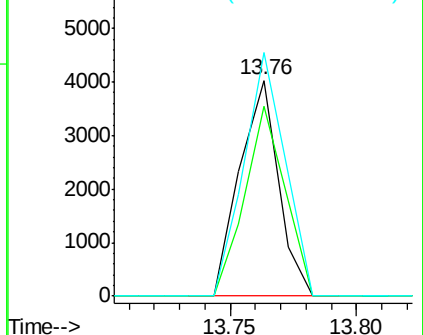
157 112.7 55.5 166.3

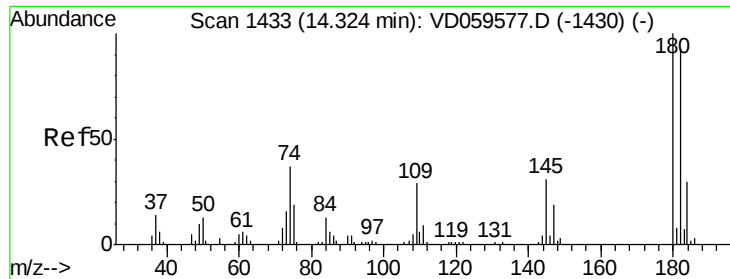


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

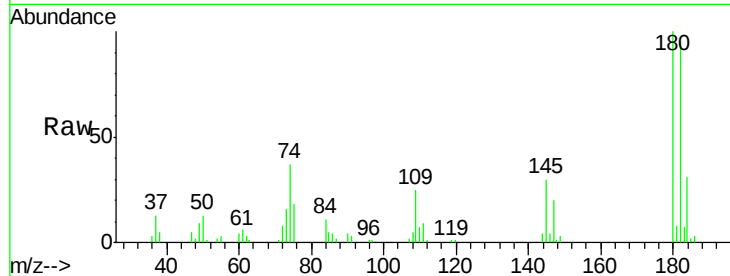




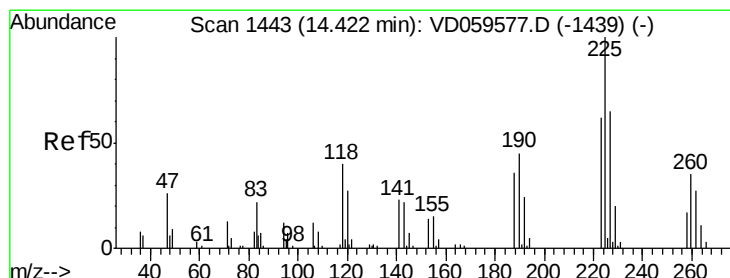
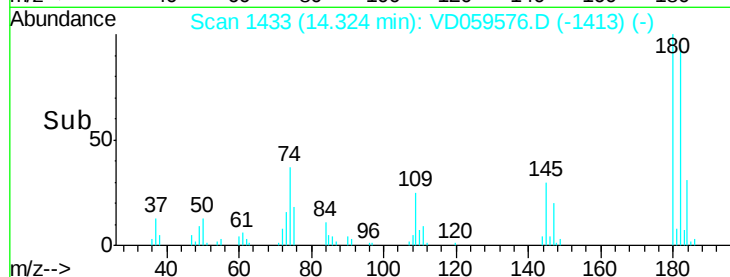
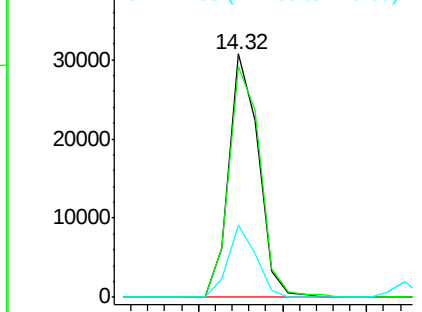
#93
 1,2,4-Trichlorobenzene
 Concen: 19.149 ug/l
 RT: 14.32 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 37630
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.4 139.2
 145 29.7 15.7 47.0

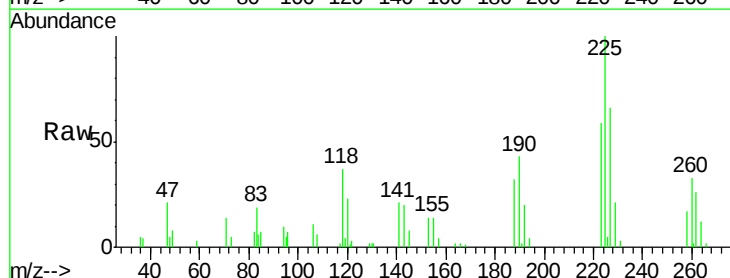


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

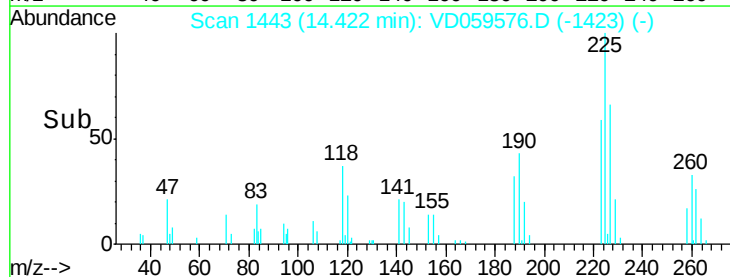
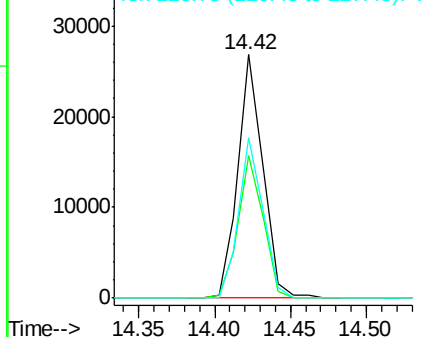


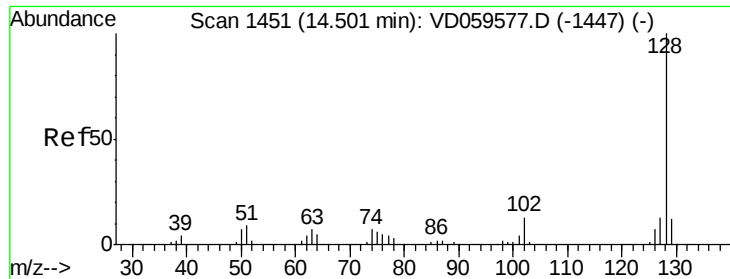
#94
 Hexachlorobutadiene
 Concen: 21.292 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD059576.D
 Acq: 24 Jul 2018 17:46

Tgt Ion:225 Resp: 30729
 Ion Ratio Lower Upper
 225 100
 223 58.8 31.1 93.5
 227 65.8 32.4 97.2



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

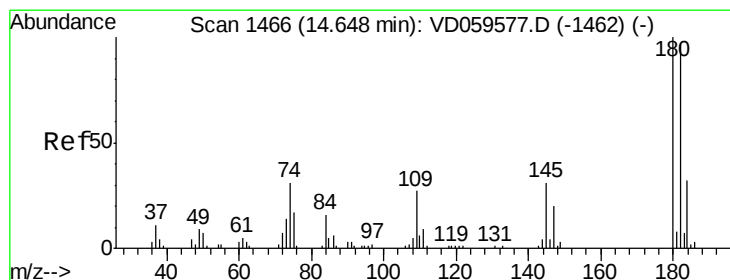
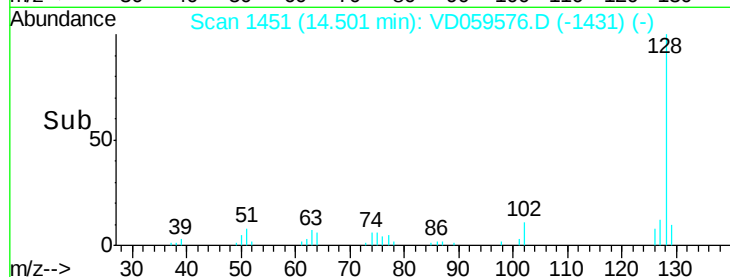
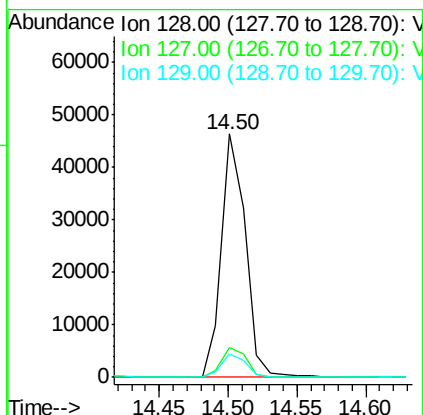
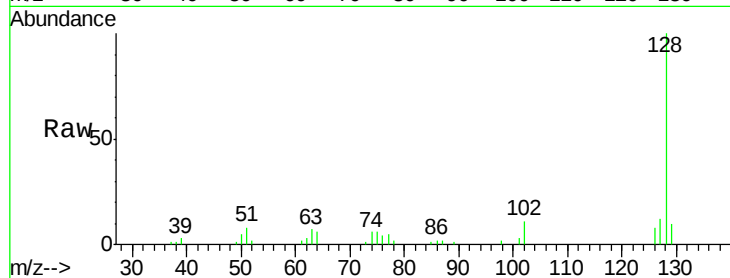




#95
Naphthalene
Concen: 23.488 ug/l
RT: 14.50 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 55919
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 9.8 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.640 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD059576.D
Acq: 24 Jul 2018 17:46

Tgt Ion:180 Resp: 36098
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.9
145 29.6 15.6 46.7

