

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059574.D
 Acq On : 24 Jul 2018 16:48
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 25 05:39:24 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	5.61	168	156208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	200133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	166583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	82247	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.98	65	9787	8.70	ug/l	0.00
Spiked Amount			Recovery	=	17.40%	
35) Dibromofluoromethane	5.51	113	8952	5.75	ug/l	0.00
Spiked Amount			Recovery	=	11.50%	
50) Toluene-d8	8.68	98	23192	6.56	ug/l	0.00
Spiked Amount			Recovery	=	13.12%	
62) 4-Bromofluorobenzene	11.91	95	9877	6.94	ug/l	0.00
Spiked Amount			Recovery	=	13.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	10766	8.696	ug/l	98
3) Chloromethane	1.46	50	5282	8.461	ug/l	97
4) Vinyl Chloride	1.52	62	5004	8.251	ug/l	99
5) Bromomethane	1.75	94	799	8.437	ug/l	80
6) Chloroethane	1.84	64	1659	7.319	ug/l #	83
7) Trichlorofluoromethane	2.05	101	7933	7.283	ug/l	97
8) Diethyl Ether	2.32	74	1135	6.042	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.52	101	3968	6.723	ug/l	97
10) Methyl Iodide	2.66	142	3818	4.935	ug/l #	75
11) Tert butyl alcohol	3.24	59	1574	42.564	ug/l #	80
12) 1,1-Dichloroethene	2.51	96	2765	5.914	ug/l	93
13) Acrolein	2.44	56	831	21.956	ug/l #	64
14) Allyl chloride	2.88	41	7230	8.414	ug/l	96
15) Acrylonitrile	3.31	53	3403	36.361	ug/l	90
16) Acetone	2.58	43	7145	51.742	ug/l #	84
17) Carbon Disulfide	2.71	76	12275	7.449	ug/l	97
18) Methyl Acetate	2.90	43	3038	7.207	ug/l #	83
19) Methyl tert-butyl Ether	3.36	73	10142	6.270	ug/l #	91
20) Methylene Chloride	3.03	84	4484	6.748	ug/l	90
21) trans-1,2-Dichloroethene	3.33	96	3006	5.183	ug/l	96
22) Diisopropyl ether	4.02	45	22663	8.044	ug/l	98
23) Vinyl Acetate	3.97	43	68073	46.944	ug/l	99
24) 1,1-Dichloroethane	3.92	63	12534	6.667	ug/l #	91
25) 2-Butanone	4.80	43	11918	43.834	ug/l	94
26) 2,2-Dichloropropane	4.75	77	13794	10.932	ug/l	94
27) cis-1,2-Dichloroethene	4.76	96	7036	6.040	ug/l	96
28) Bromochloromethane	5.09	49	4938	7.233	ug/l #	75
29) Tetrahydrofuran	5.15	42	5103	37.937	ug/l	92
30) Chloroform	5.28	83	15870	7.347	ug/l	89
31) Cyclohexane	5.55	56	13430	10.347	ug/l	87
32) 1,1,1-Trichloroethane	5.47	97	14487	7.503	ug/l	92
36) 1,1-Dichloropropene	5.70	75	10494	6.287	ug/l	90
37) Ethyl Acetate	4.89	43	5592	7.591	ug/l #	71
38) Carbon Tetrachloride	5.69	117	14180	6.825	ug/l	97

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 Data File : VD059574.D
 Acq On : 24 Jul 2018 16:48
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 25 05:39:24 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)
39) Methylcyclohexane	7.25	83	10038	6.204	ug/l	89
40) Benzene	5.98	78	23547	6.079	ug/l	95
41) Methacrylonitrile	5.09	41	2842	7.688	ug/l #	77
42) 1,2-Dichloroethane	6.09	62	12199	7.343	ug/l	85
43) Isopropyl Acetate	7.58	43	6952	6.833	ug/l #	89
44) Trichloroethene	6.95	130	7424	4.369	ug/l	90
45) 1,2-Dichloropropane	7.32	63	6176	6.274	ug/l	93
46) Dibromomethane	7.43	93	5012	6.496	ug/l	82
47) Bromodichloromethane	7.71	83	11414	6.301	ug/l	93
48) Methyl methacrylate	7.48	41	4619	6.779	ug/l	96
49) 1,4-Dioxane	7.46	88	377	52.052	ug/l #	21
51) 4-Methyl-2-Pentanone	8.57	43	25834	37.836	ug/l	99
52) Toluene	8.77	92	15045	6.043	ug/l	99
53) t-1,3-Dichloropropene	9.16	75	9834	6.797	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	10994	6.912	ug/l	88
55) 1,1,2-Trichloroethane	9.42	97	5410	6.019	ug/l	94
56) Ethyl methacrylate	9.29	69	5308	5.434	ug/l	94
57) 1,3-Dichloropropane	9.64	76	8785	6.297	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.15	63	15564	35.141	ug/l	97
59) 2-Hexanone	9.77	43	24067	49.105	ug/l	100
60) Dibromochloromethane	9.93	129	8003	4.962	ug/l	100
61) 1,2-Dibromoethane	10.07	107	6112	5.779	ug/l	92
64) Tetrachloroethene	9.48	164	7769	3.477	ug/l	95
65) Chlorobenzene	10.70	112	18334	5.588	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.83	131	7947	5.686	ug/l	88
67) Ethyl Benzene	10.84	91	32793	6.681	ug/l	100
68) m/p-Xylenes	11.00	106	21533	12.022	ug/l	92
69) o-Xylene	11.39	106	10672	6.124	ug/l	88
70) Styrene	11.41	104	17566	6.100	ug/l	90
71) Bromoform	11.59	173	5348	4.148	ug/l	97
73) Isopropylbenzene	11.75	105	33209	7.535	ug/l	98
74) N-amyl acetate	11.63	43	10081	8.554	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.06	83	6179	6.958	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	6573	7.181	ug/l	96
77) Bromobenzene	12.02	156	9168	5.325	ug/l	89
78) n-propylbenzene	12.14	91	38681	7.584	ug/l	96
79) 2-Chlorotoluene	12.20	91	23074	7.601	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	25902	7.597	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.82	75	1455	7.270	ug/l	94
82) 4-Chlorotoluene	12.32	91	26602	7.880	ug/l	98
83) tert-Butylbenzene	12.56	119	27917	7.476	ug/l	91
84) 1,2,4-Trimethylbenzene	12.61	105	27179	7.677	ug/l	99
85) sec-Butylbenzene	12.74	105	33684	7.991	ug/l	92
86) p-Isopropyltoluene	12.88	119	26705	6.923	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	15889	5.700	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	15406	5.640	ug/l	98
89) n-Butylbenzene	13.18	91	26718	8.289	ug/l	97
90) Hexachloroethane	13.39	117	6880	6.660	ug/l	93
91) 1,2-Dichlorobenzene	13.18	146	13722	5.952	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	1010	6.781	ug/l	92

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Data File : VD059574.D
Acq On : 24 Jul 2018 16:48
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jul 25 05:39:24 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

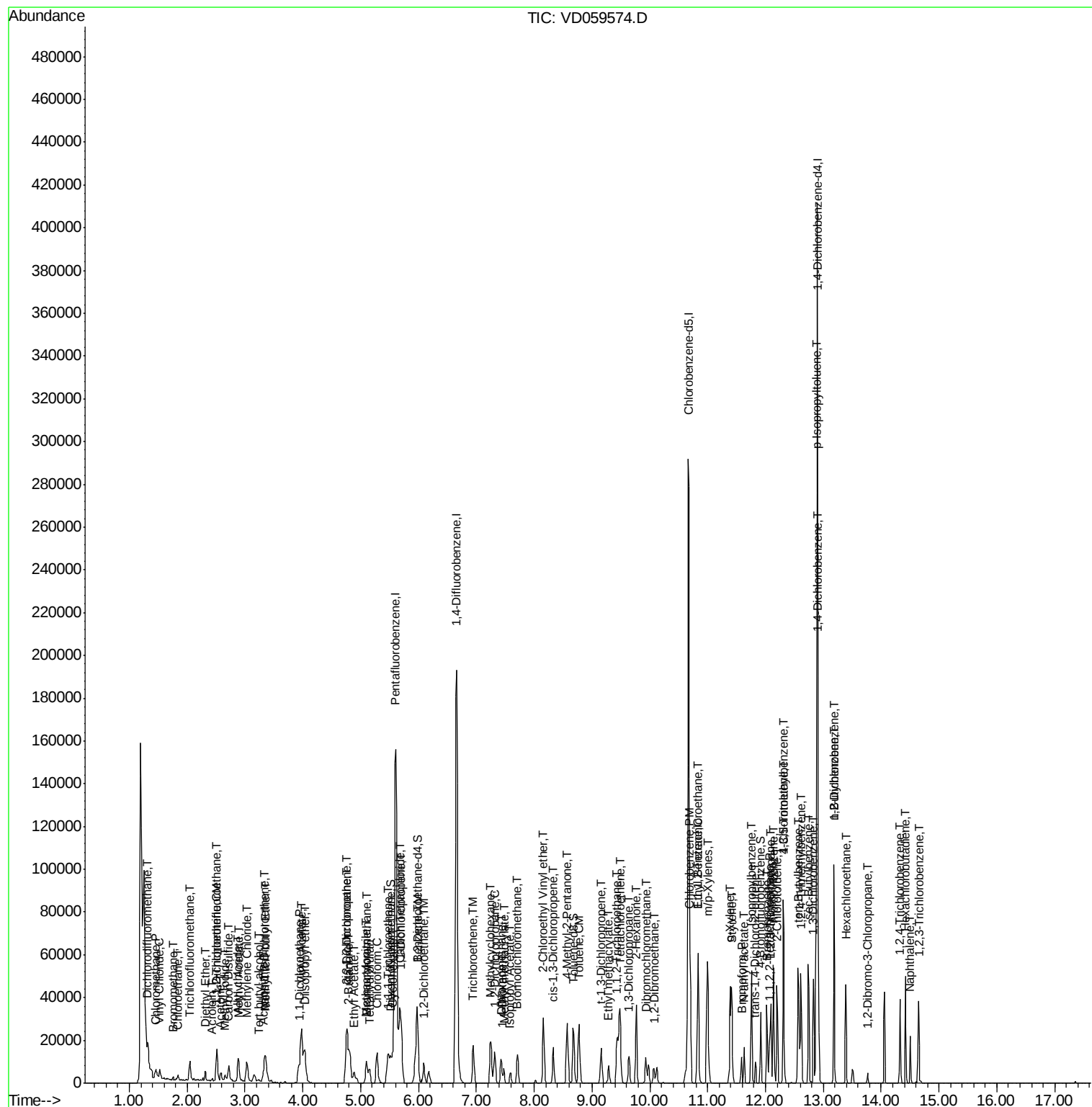
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	10918	5.451	ug/l	93
94) Hexachlorobutadiene	14.42	225	8118	5.518	ug/l	94
95) Naphthalene	14.51	128	15006	6.184	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	9471	5.313	ug/l	96

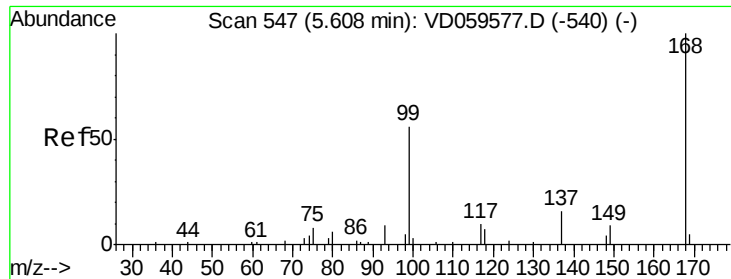
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
Data File : VD059574.D
Acq On : 24 Jul 2018 16:48
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Jul 25 05:39:24 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

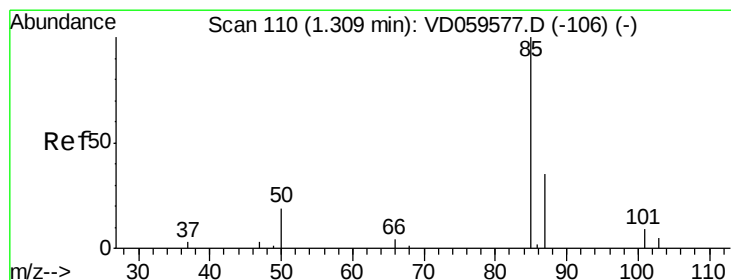
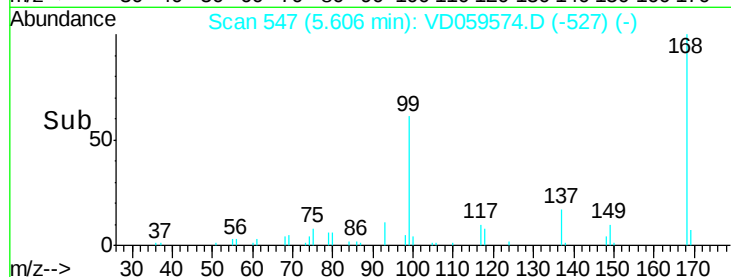
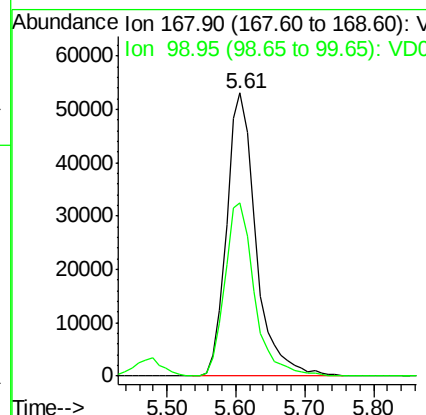
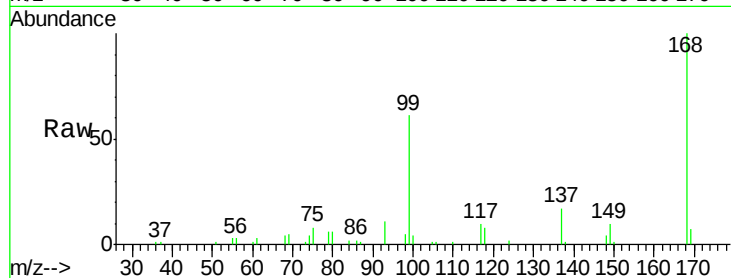




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

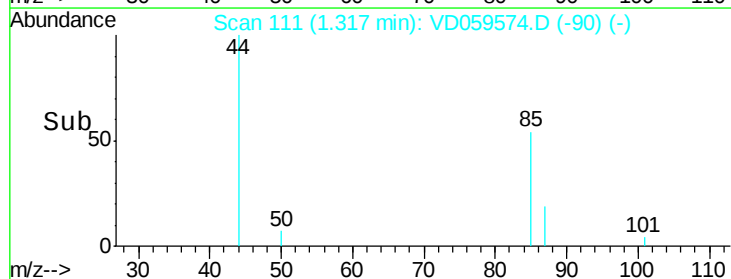
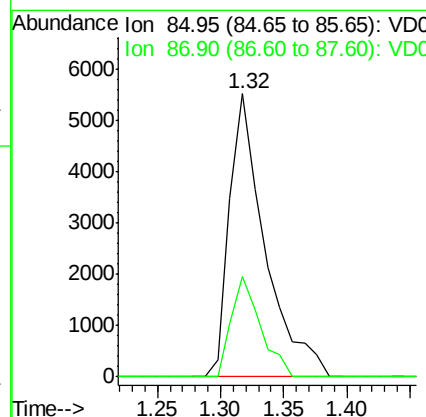
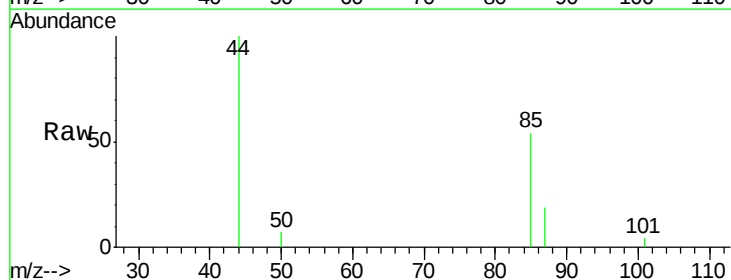
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

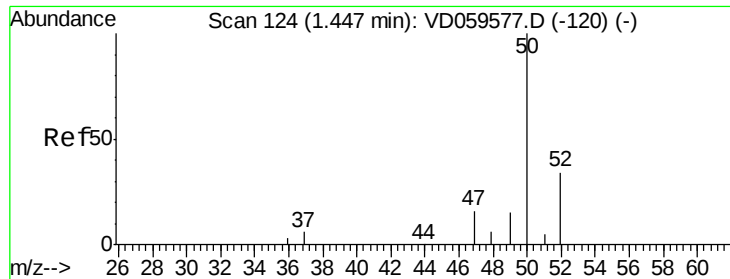
Tot Ion:168 Resp: 156208
Ion Ratio Lower Upper
168 100
99 61.1 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 8.696 ug/l
RT: 1.32 min Scan# 111
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 85 Resp: 10766
Ion Ratio Lower Upper
85 100
87 35.5 17.3 51.7





#3

Chloromethane

Concen: 8.461 ug/l

RT: 1.46 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

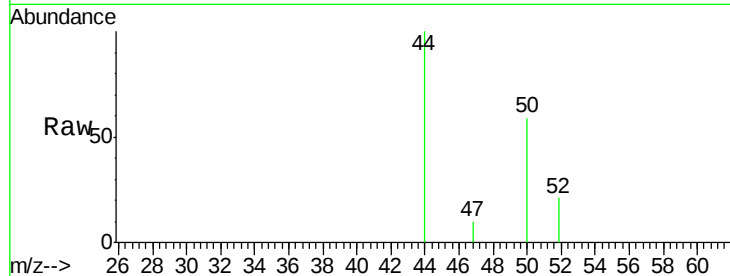
VSTDIC005

Tot Ion: 50 Resp: 5282

Ion Ratio Lower Upper

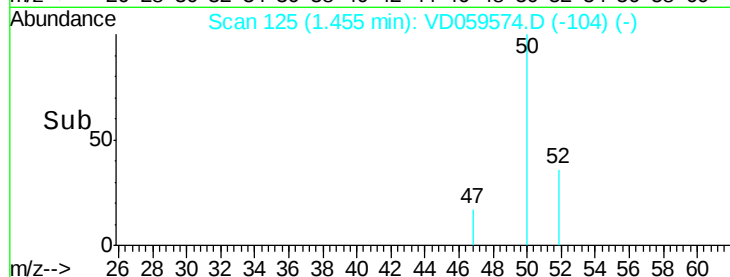
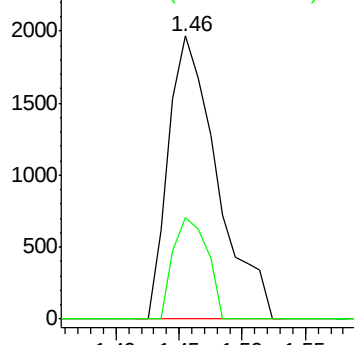
50 100

52 36.0 27.3 40.9

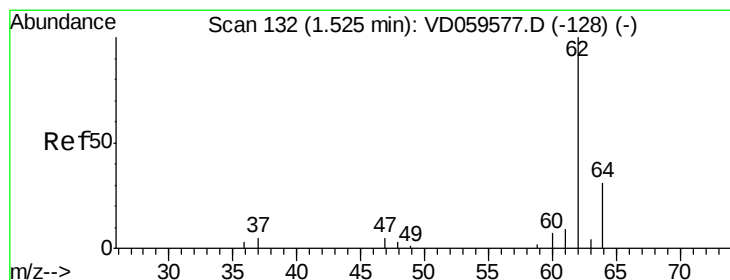


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 8.251 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059574.D

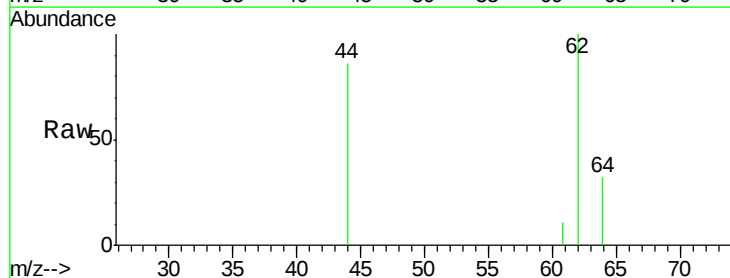
Acq: 24 Jul 2018 16:48

Tgt Ion: 62 Resp: 5004

Ion Ratio Lower Upper

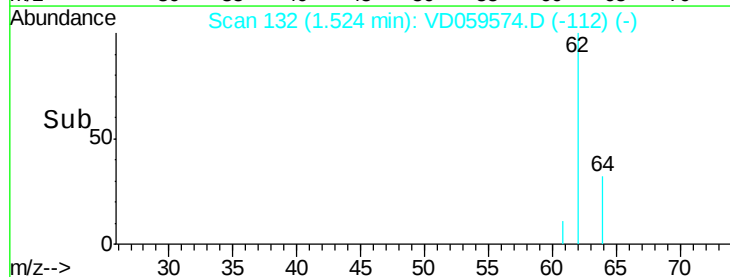
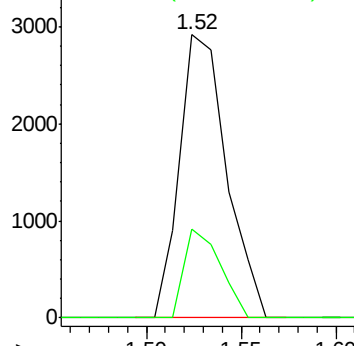
62 100

64 31.6 25.0 37.4

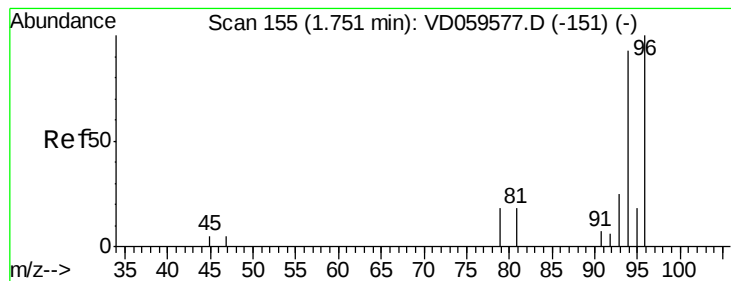


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->



#5

Bromomethane

Concen: 8.437 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

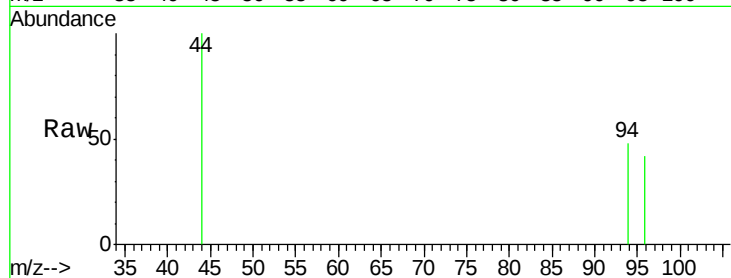
VSTDIC005

Tot Ion: 94 Resp: 799

Ion Ratio Lower Upper

94 100

96 87.2 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

800

600

400

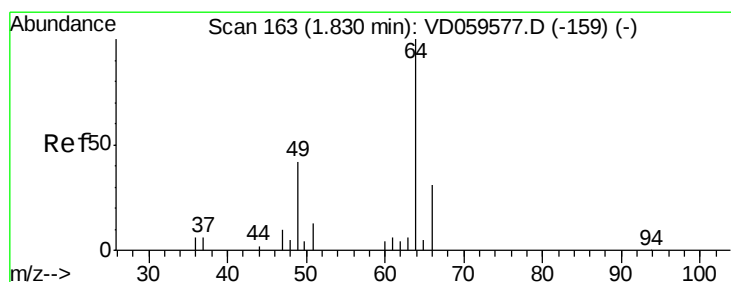
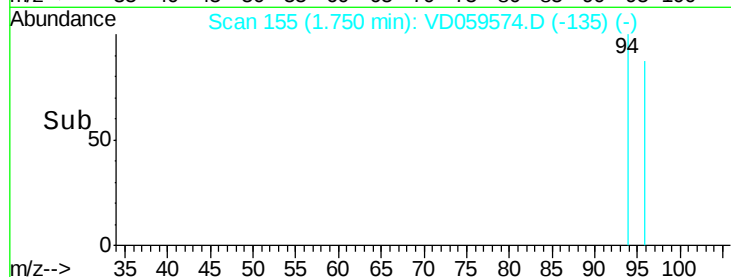
200

0

1.72 1.74 1.76 1.78

1.75

Time-->



#6

Chloroethane

Concen: 7.319 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059574.D

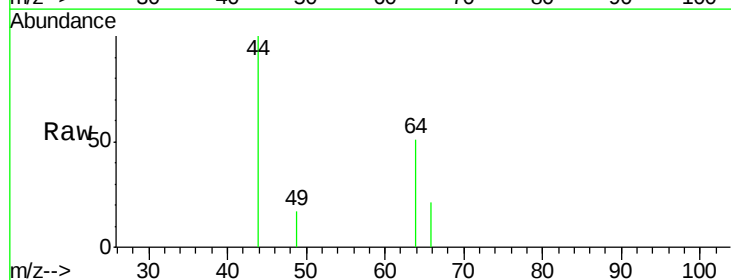
Acq: 24 Jul 2018 16:48

Tgt Ion: 64 Resp: 1659

Ion Ratio Lower Upper

64 100

66 40.9 25.2 37.8#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1200

1000

800

600

400

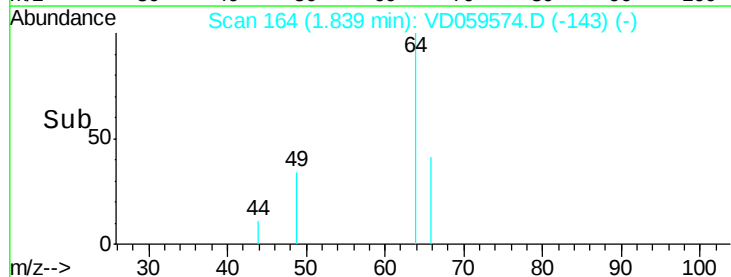
200

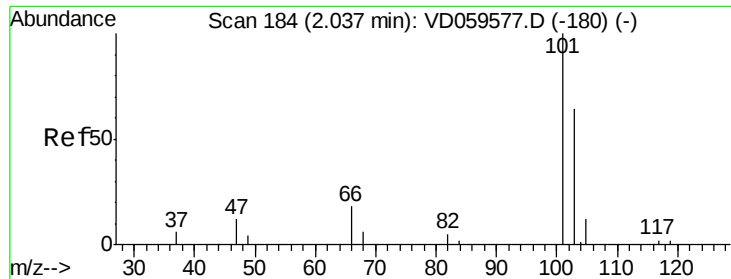
0

1.80 1.85 1.90

1.84

Time-->



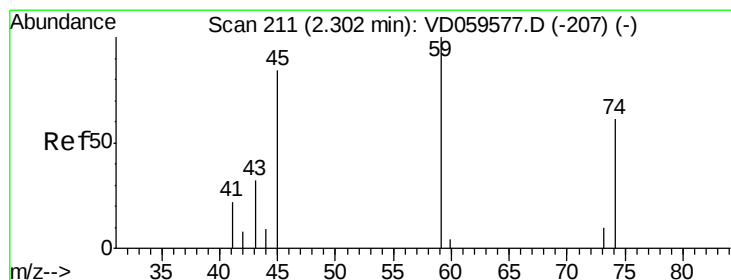
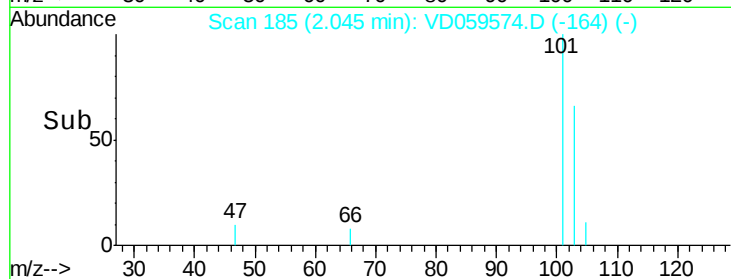
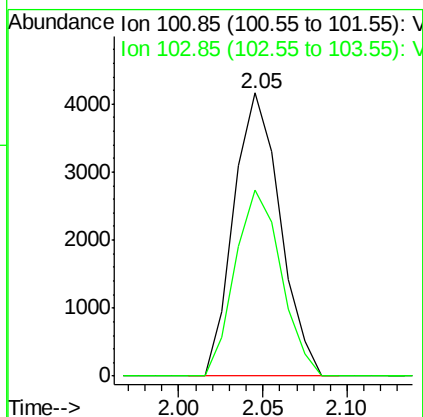
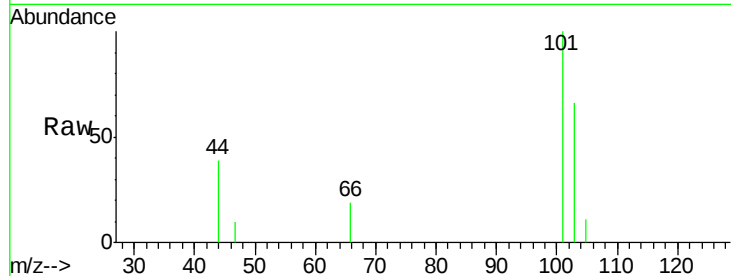


#7

Trichlorofluoromethane
Concen: 7.283 ug/l
RT: 2.05 min Scan# 185
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

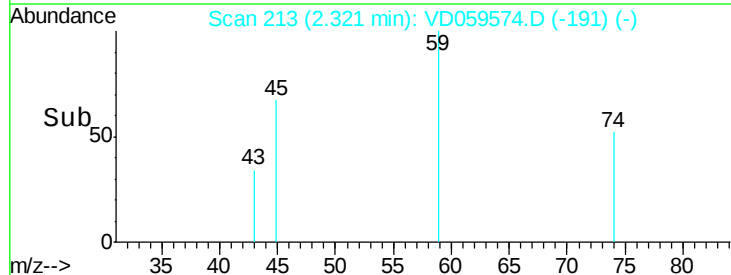
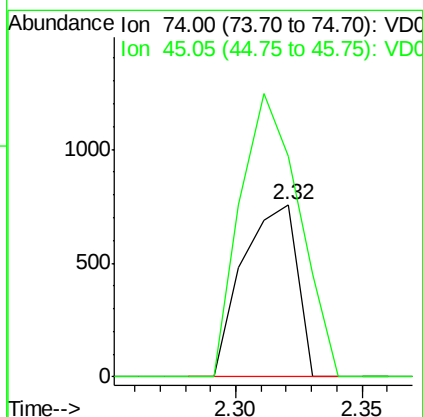
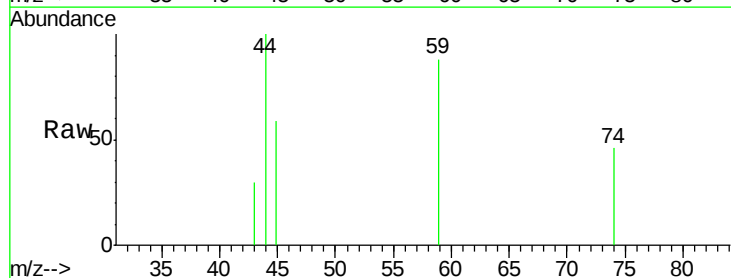
Tot Ion:101 Resp: 7933
Ion Ratio Lower Upper
101 100
103 65.6 50.9 76.3

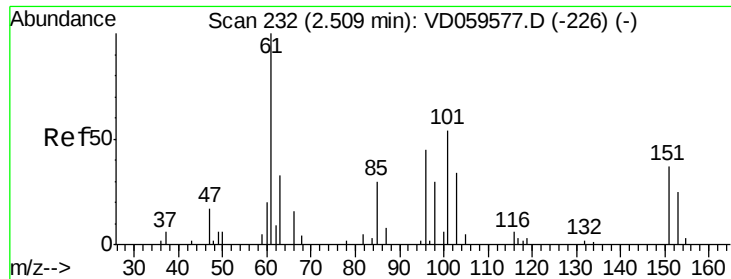


#8

Diethyl Ether
Concen: 6.042 ug/l
RT: 2.32 min Scan# 213
Delta R.T. 0.02 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 74 Resp: 1135
Ion Ratio Lower Upper
74 100
45 127.9 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.723 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

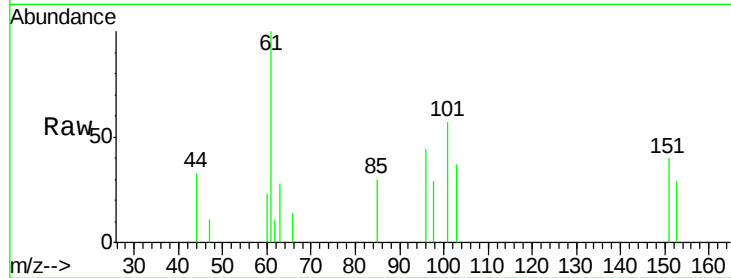
Tot Ion:101 Resp: 3968

Ion Ratio Lower Upper

101 100

85 52.2 44.5 66.7

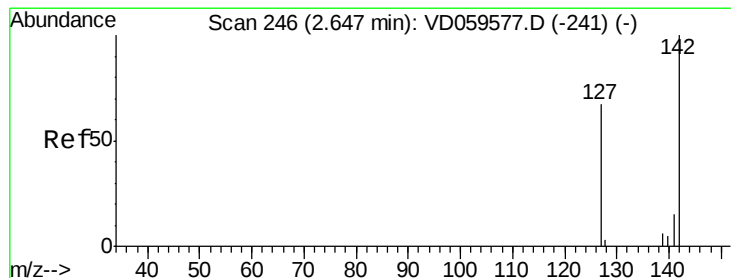
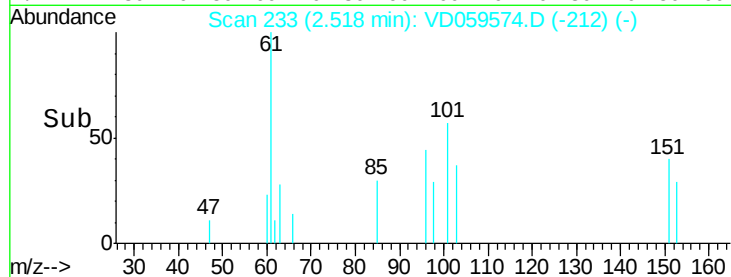
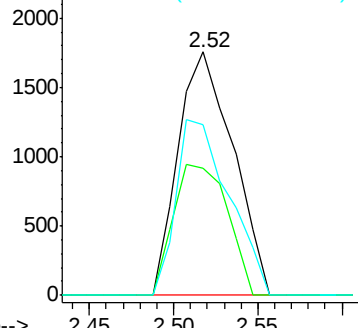
151 70.2 55.4 83.0



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: 4.935 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

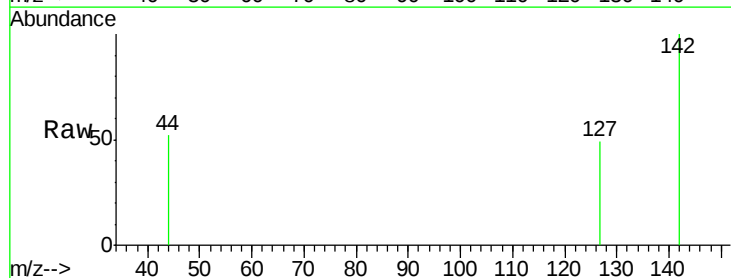
Tgt Ion:142 Resp: 3818

Ion Ratio Lower Upper

142 100

127 49.5 53.6 80.4#

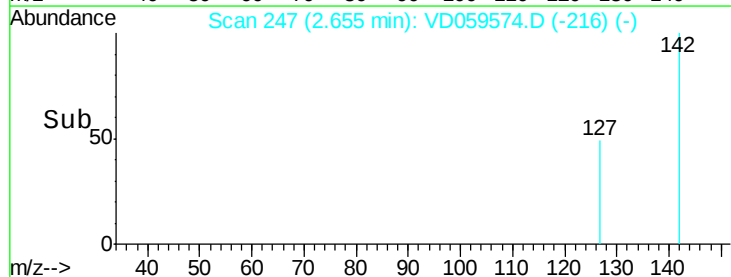
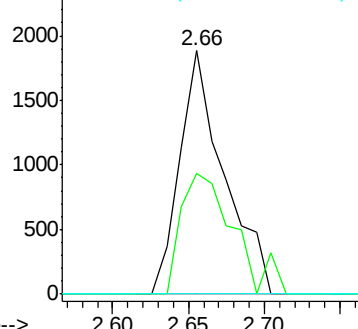
141 0.0 12.2 18.2#

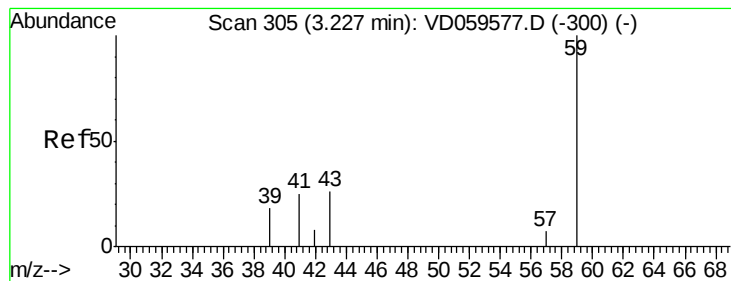


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



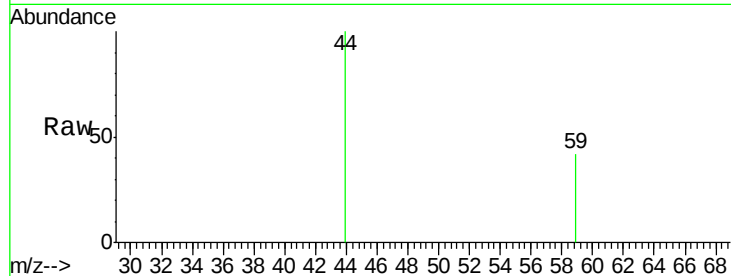


#11

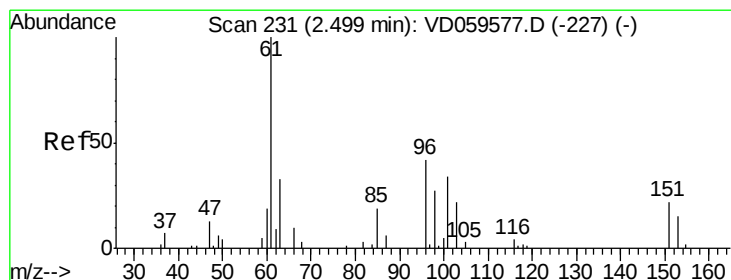
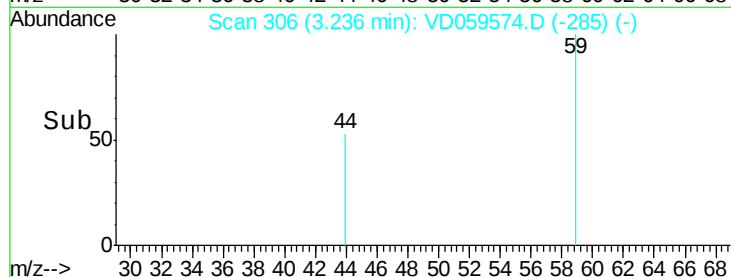
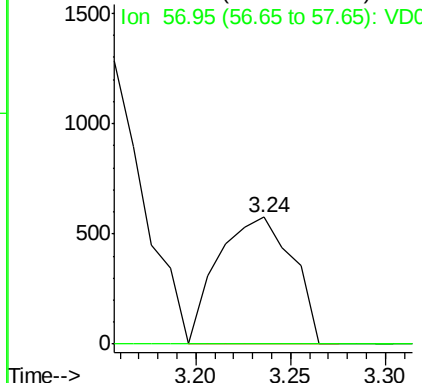
Tert butyl alcohol
 Concen: 42.564 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 1574
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#



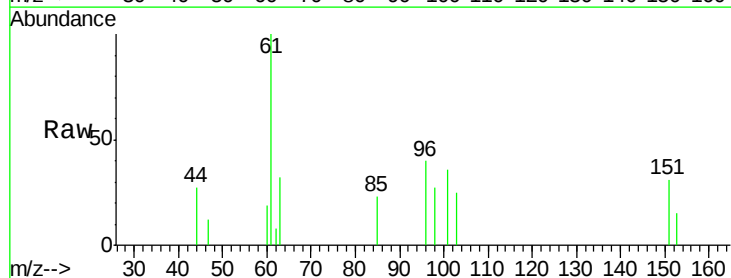
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



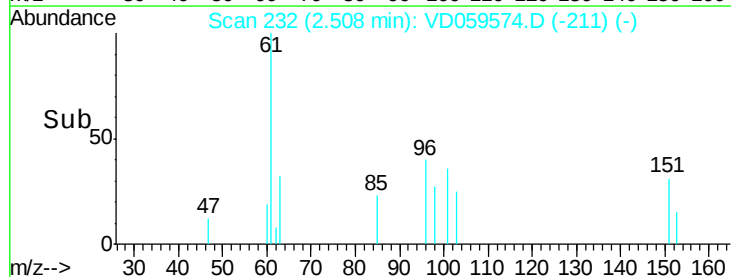
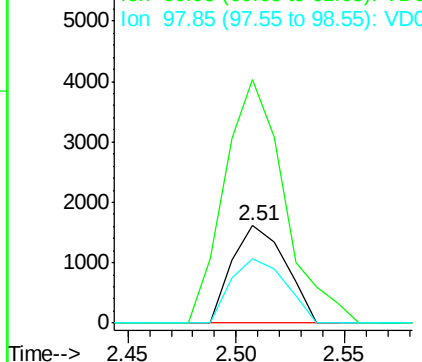
#12

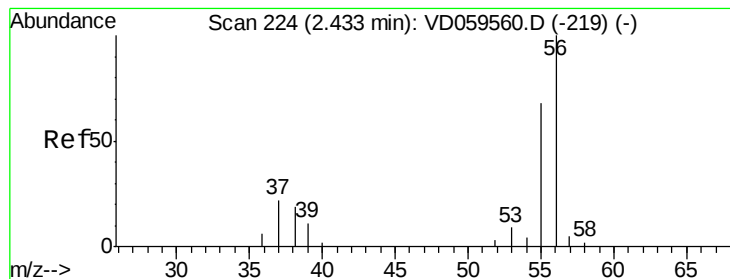
1,1-Dichloroethene
 Concen: 5.914 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Tgt Ion: 96 Resp: 2765
 Ion Ratio Lower Upper
 96 100
 61 249.6 188.8 283.2
 98 66.5 51.4 77.2



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





#13

Acrolein

Concen: 21.956 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

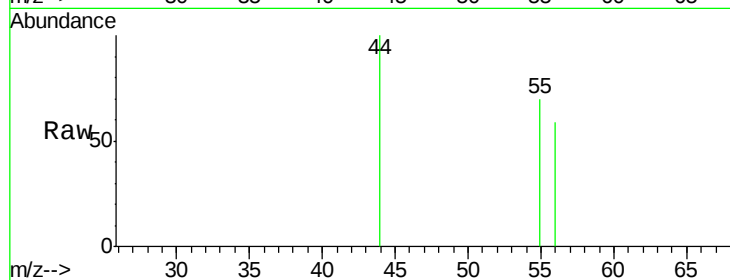
VSTDIC005

Tot Ion: 56 Resp: 831

Ion Ratio Lower Upper

56 100

55 119.2 69.1 103.7#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

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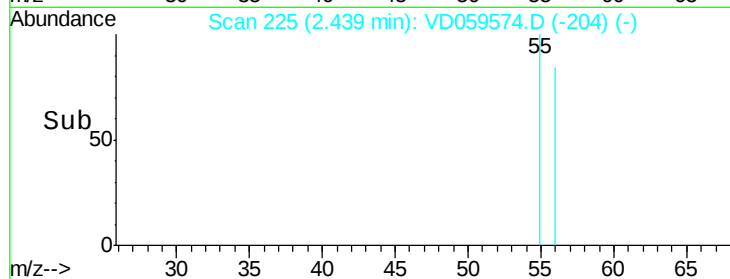
2.44

2.44

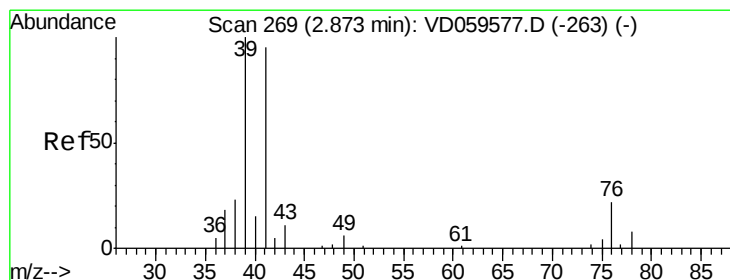
2.44

2.44

2.44



Time-->



#14

Allyl chloride

Concen: 8.414 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

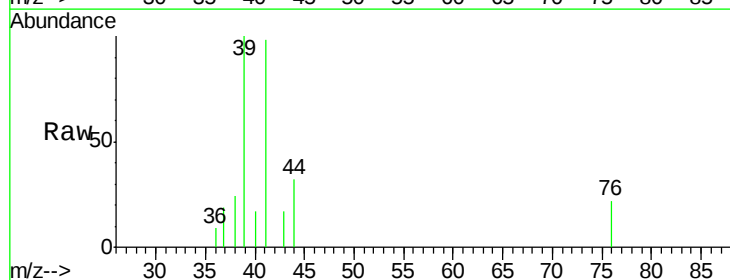
Tgt Ion: 41 Resp: 7230

Ion Ratio Lower Upper

41 100

39 102.5 83.8 125.8

76 22.3 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

2.88

2.88

2.88

2.88

2.88

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2.88

2.88

2.88

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2.88

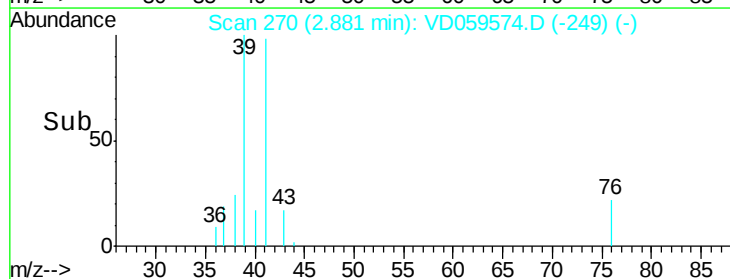
2.88

2.88

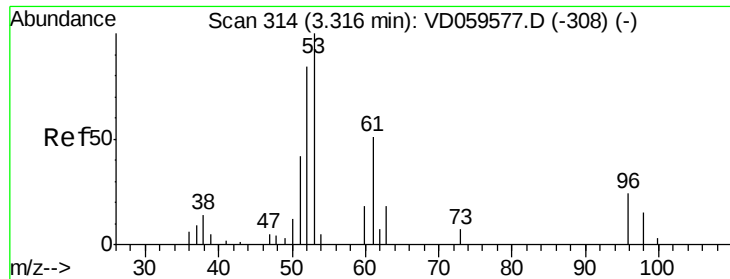
2.88

2.88

2.88



Time-->



#15

Acrylonitrile

Concen: 36.361 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

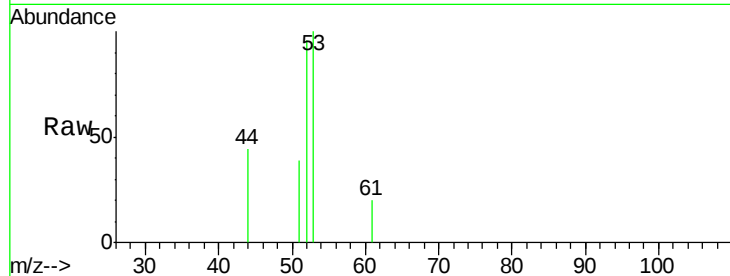
Tot Ion: 53 Resp: 3403

Ion Ratio Lower Upper

53 100

52 96.2 67.6 101.4

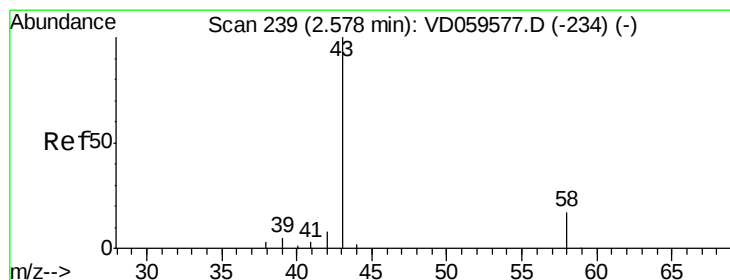
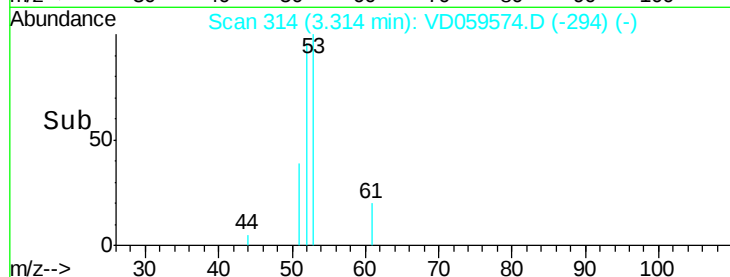
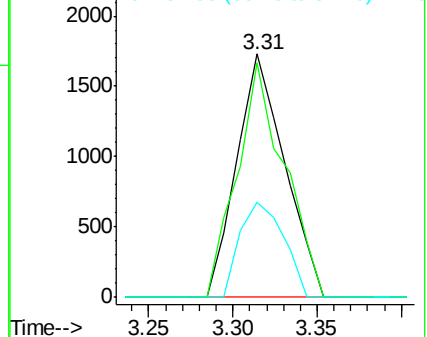
51 38.8 33.7 50.5



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: 51.742 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059574.D

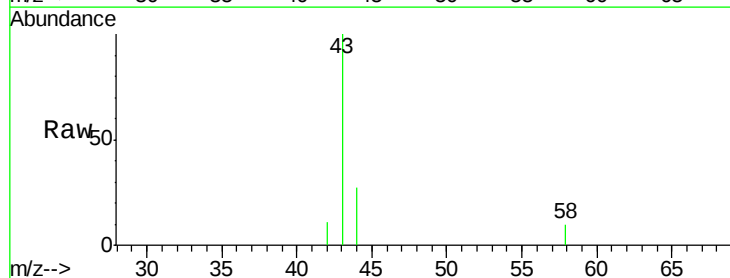
Acq: 24 Jul 2018 16:48

Tgt Ion: 43 Resp: 7145

Ion Ratio Lower Upper

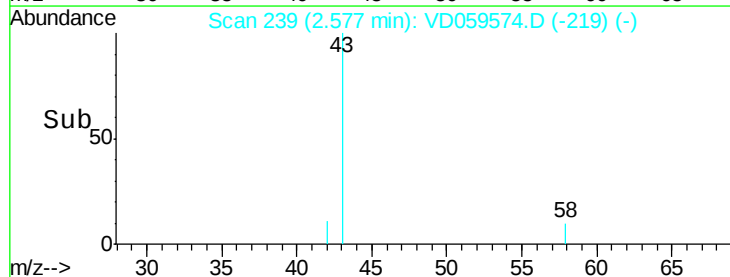
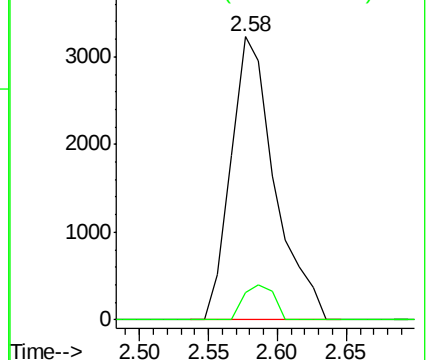
43 100

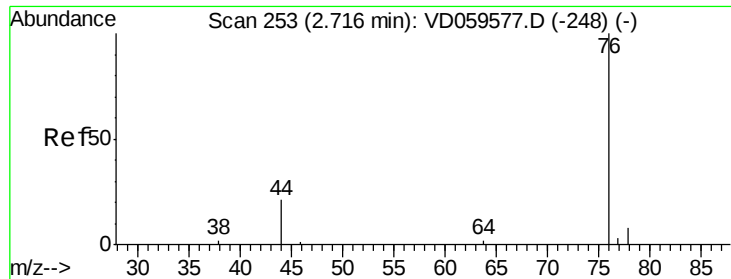
58 9.9 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

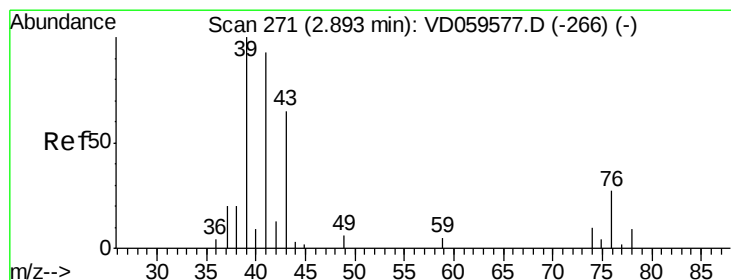
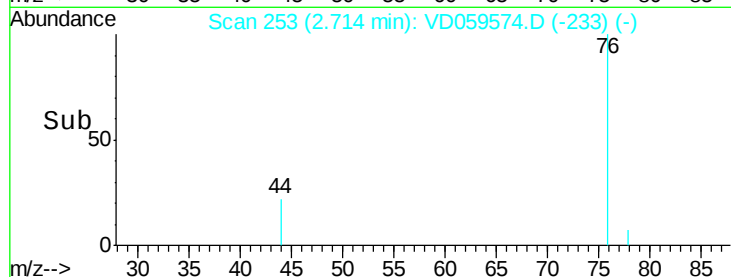
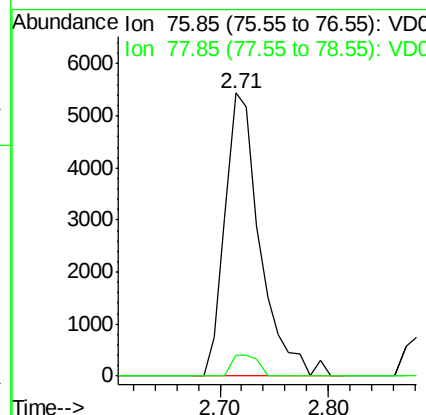
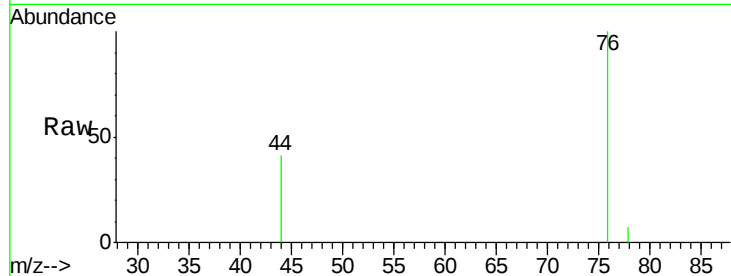




#17
Carbon Disulfide
Concen: 7.449 ug/l
RT: 2.71 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

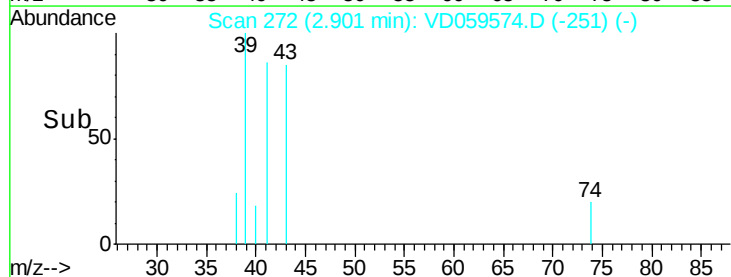
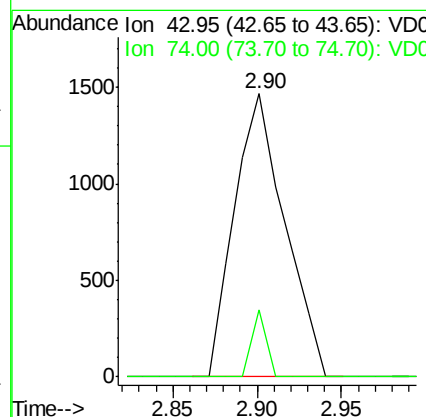
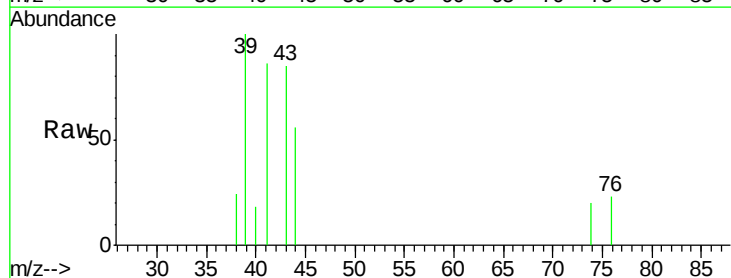
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

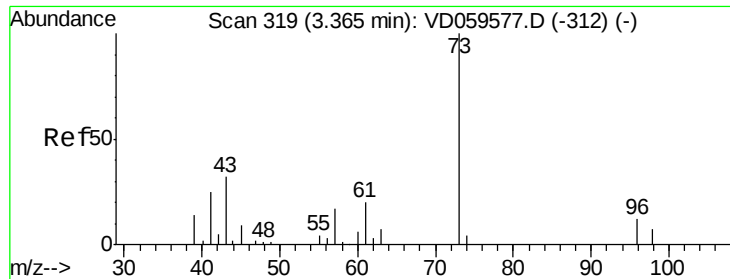
Tot Ion: 76 Resp: 12275
Ion Ratio Lower Upper
76 100
78 7.3 6.8 10.2



#18
Methyl Acetate
Concen: 7.207 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
74 23.5 13.0 19.4#

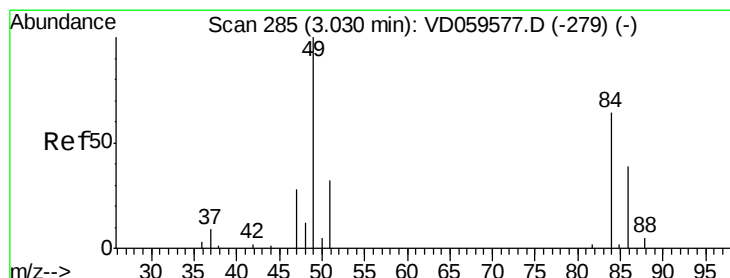
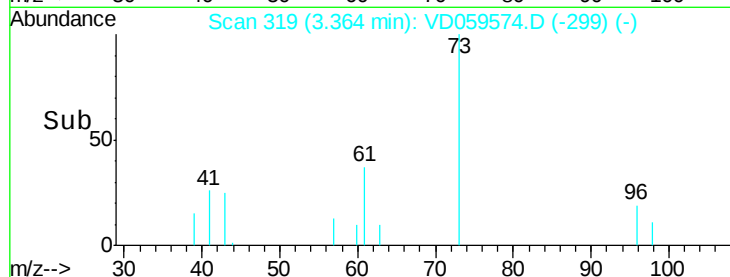
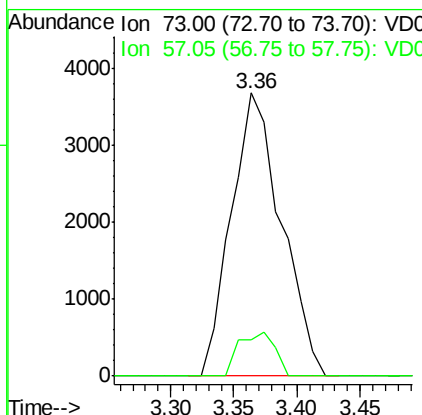
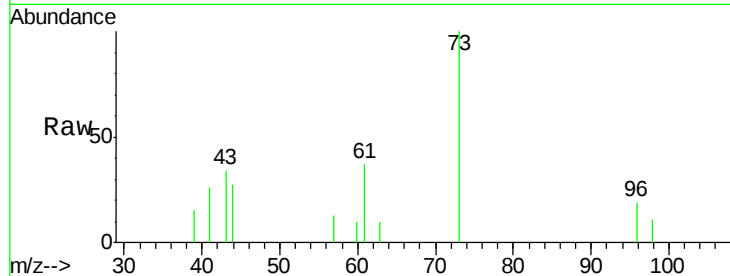




#19
Methyl tert-butyl Ether
Concen: 6.270 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

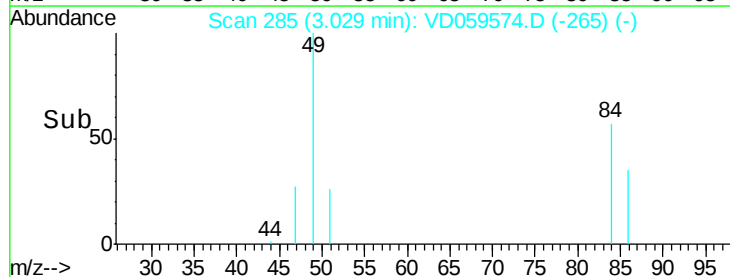
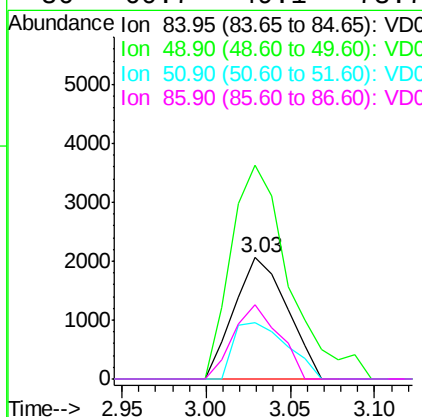
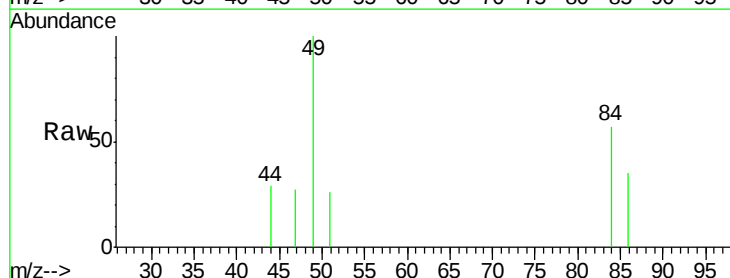
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

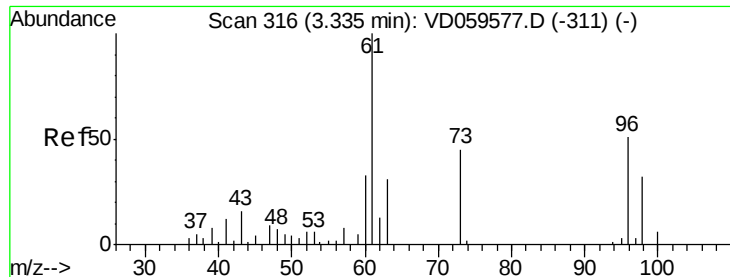
Tot Ion: 73 Resp: 10142
Ion Ratio Lower Upper
73 100
57 12.8 13.4 20.2#



#20
Methylene Chloride
Concen: 6.748 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 84 Resp: 4484
Ion Ratio Lower Upper
84 100
49 175.8 125.4 188.2
51 46.6 39.7 59.5
86 60.7 49.1 73.7

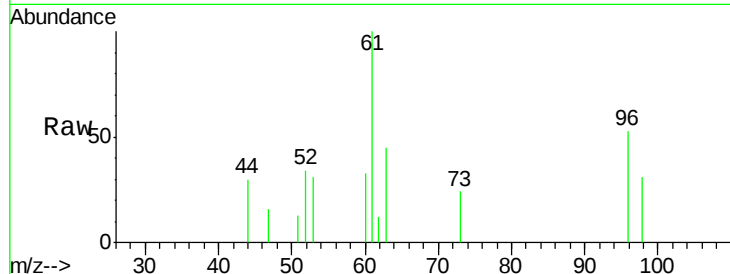




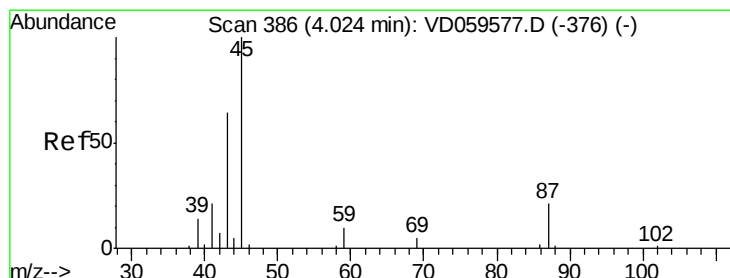
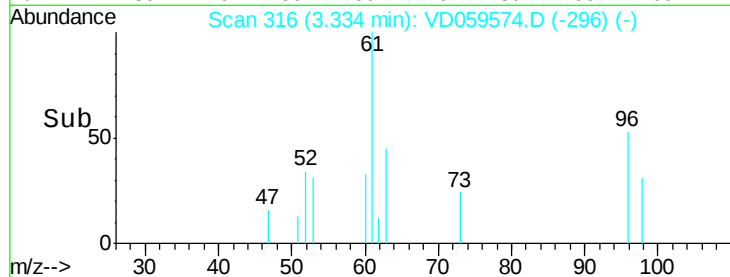
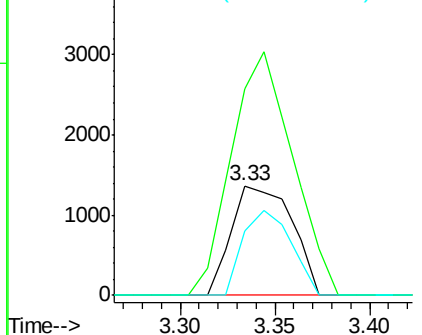
#21
trans-1,2-Dichloroethene
Concen: 5.183 ug/l
RT: 3.33 min Scan# 316
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 3006
Ion Ratio Lower Upper
96 100
61 189.2 155.8 233.6
98 58.9 49.1 73.7

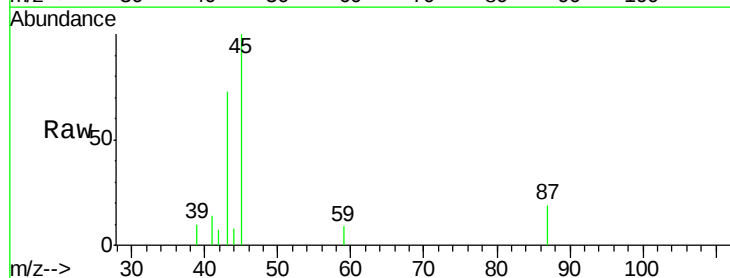


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

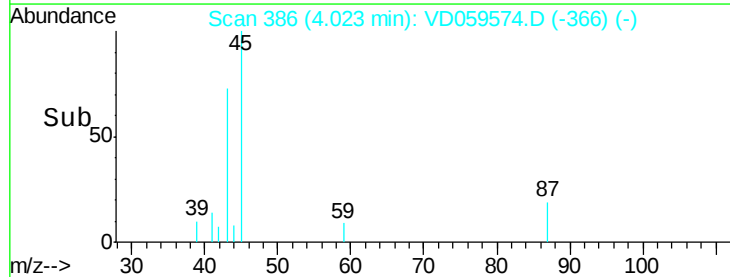
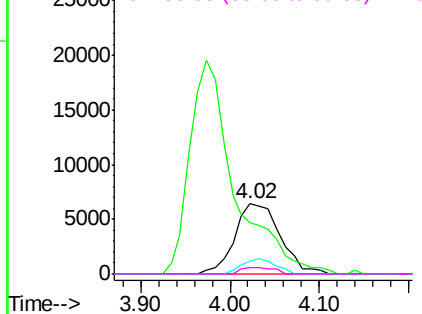


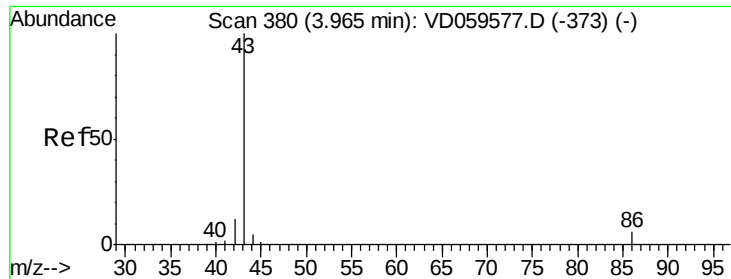
#22
Diisopropyl ether
Concen: 8.044 ug/l
RT: 4.02 min Scan# 386
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 45 Resp: 22663
Ion Ratio Lower Upper
45 100
43 73.1 59.4 89.2
87 18.9 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: 46.944 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

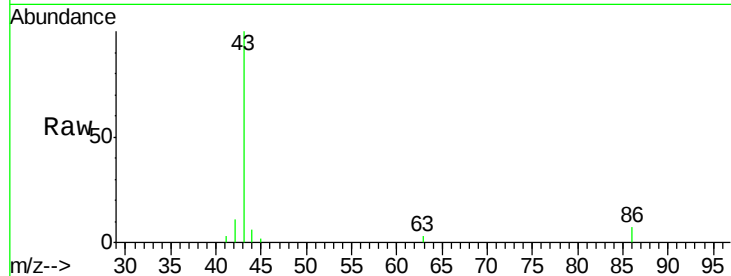
VSTDIC005

Tot Ion: 43 Resp: 68073

Ion Ratio Lower Upper

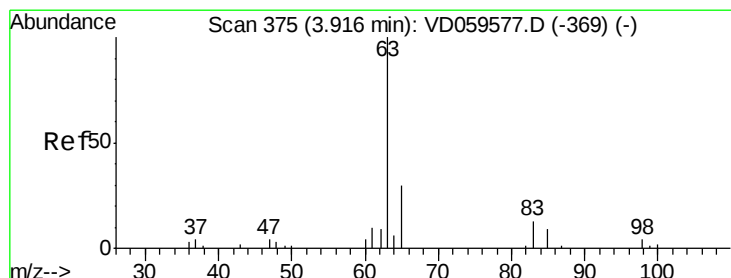
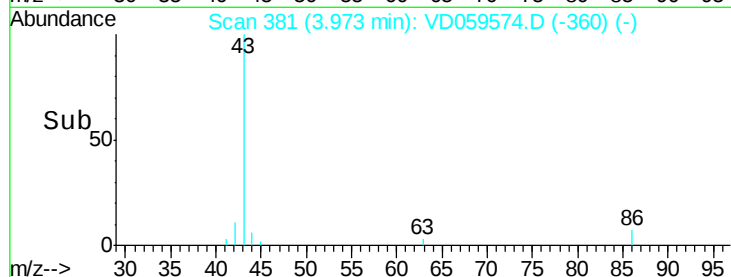
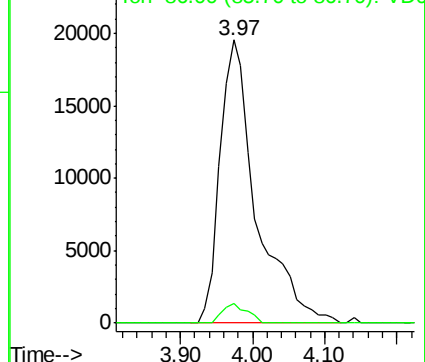
43 100

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: 6.667 ug/l

RT: 3.92 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

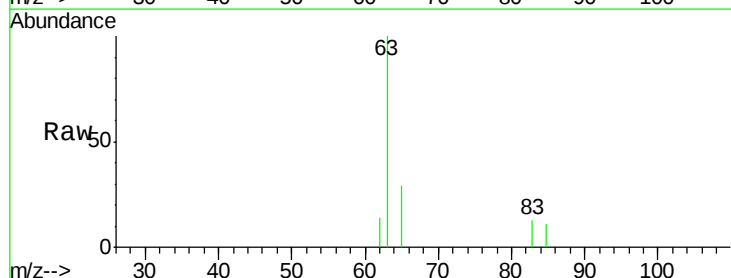
Tgt Ion: 63 Resp: 12534

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.5#

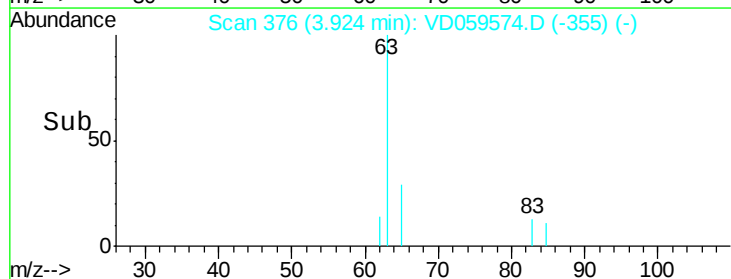
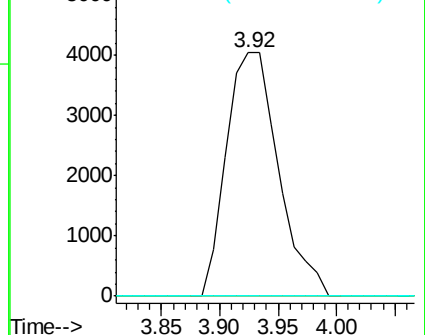
100 0.0 1.1 3.3#

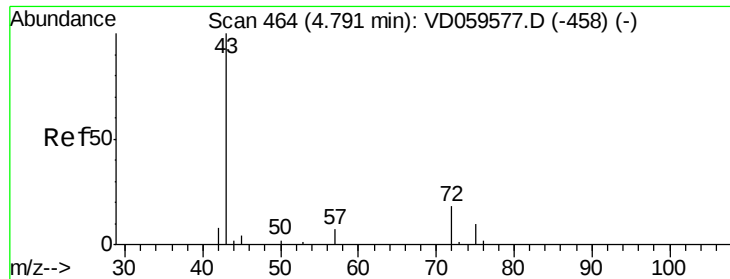


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 43.834 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

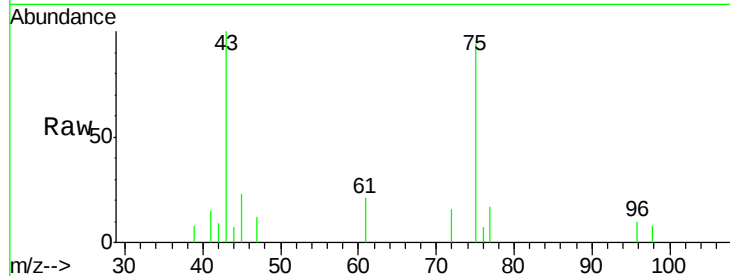
VSTDIC005

Tot Ion: 43 Resp: 11918

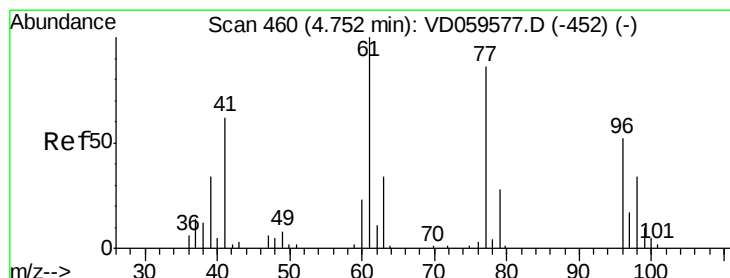
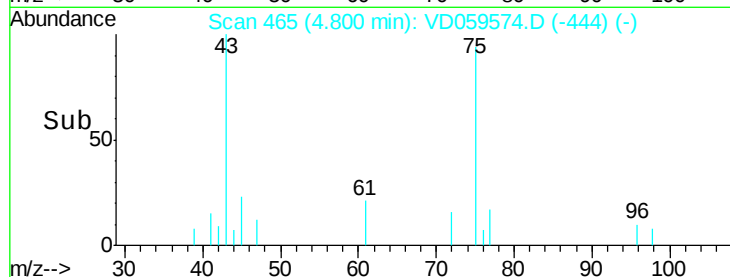
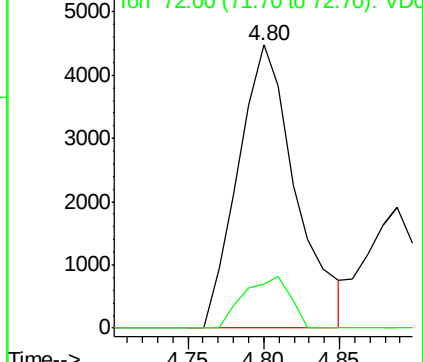
Ion Ratio Lower Upper

43 100

72 15.8 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 10.932 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059574.D

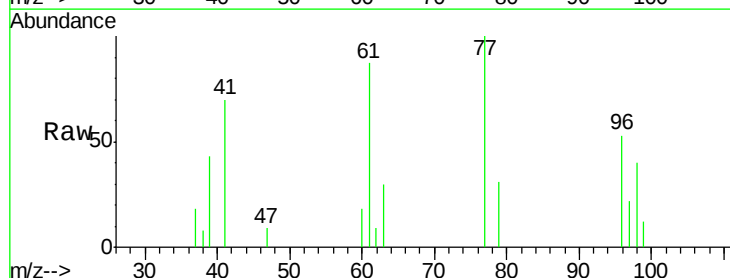
Acq: 24 Jul 2018 16:48

Tgt Ion: 77 Resp: 13794

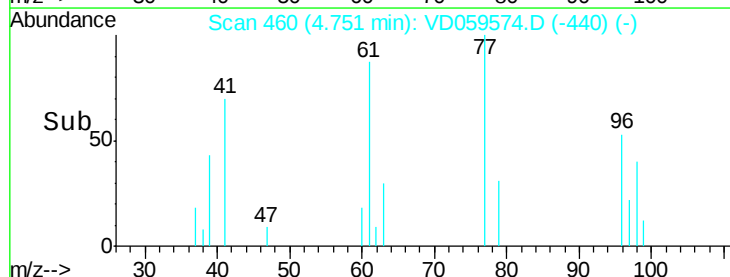
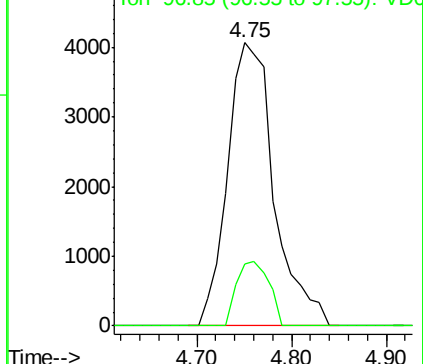
Ion Ratio Lower Upper

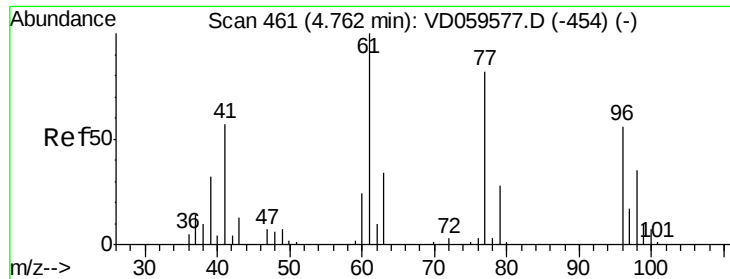
77 100

97 22.1 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC



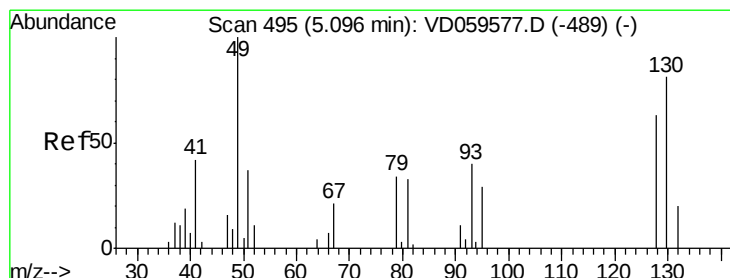
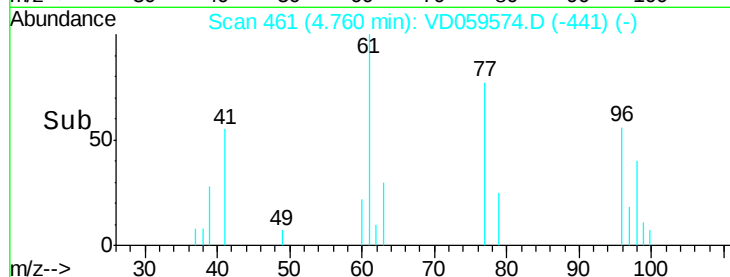
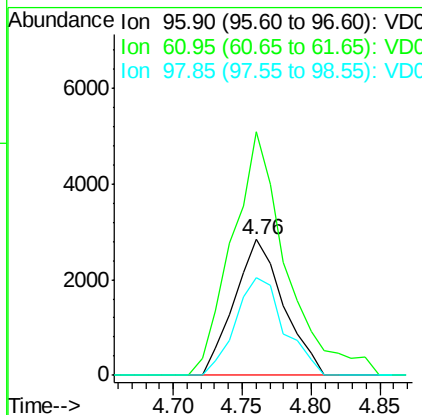
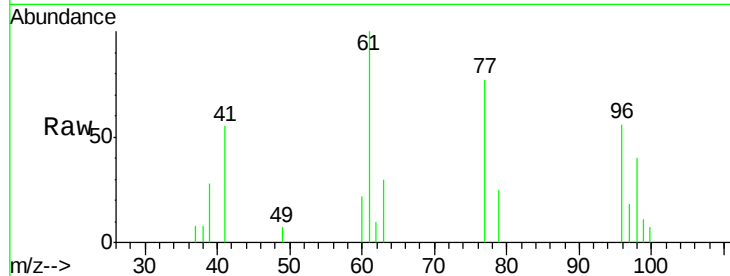


#27

cis-1,2-Dichloroethene
Concen: 6.040 ug/l
RT: 4.76 min Scan# 461
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

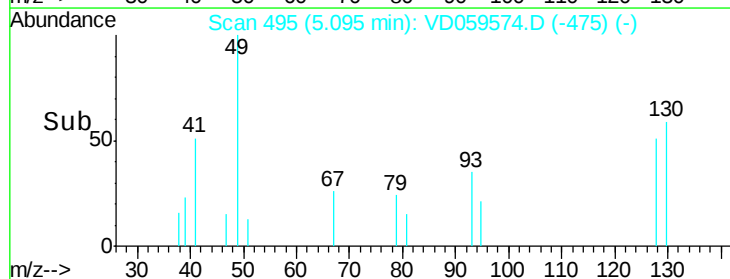
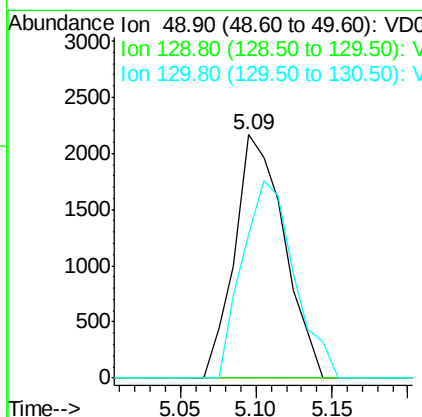
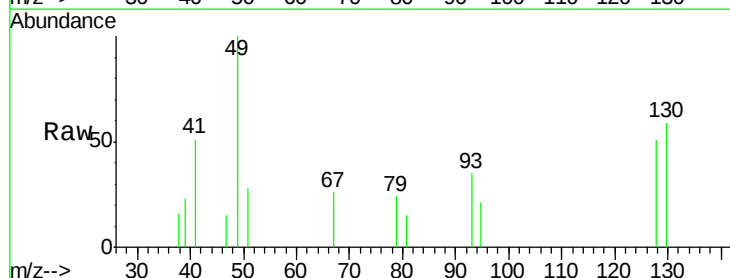
Tot Ion: 96 Resp: 7036
Ion Ratio Lower Upper
96 100
61 179.1 0.0 355.0
98 72.1 0.0 125.8

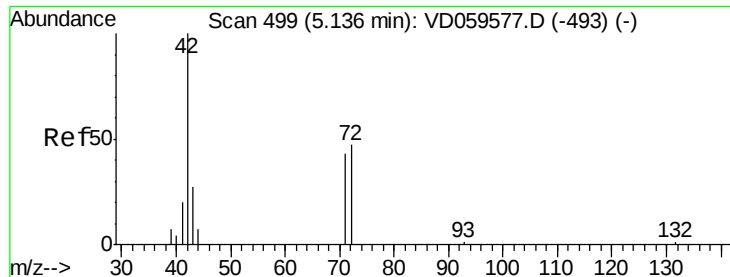


#28

Bromochloromethane
Concen: 7.233 ug/l
RT: 5.09 min Scan# 495
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 49 Resp: 4938
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 59.0 64.6 96.8#





#29

Tetrahydrofuran

Concen: 37.937 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

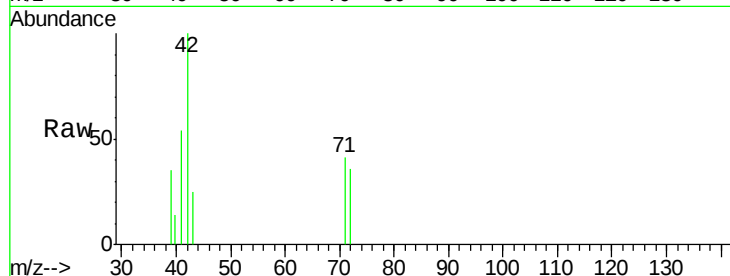
Tot Ion: 42 Resp: 5103

Ion Ratio Lower Upper

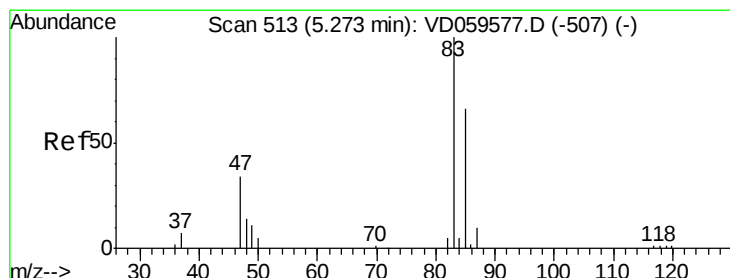
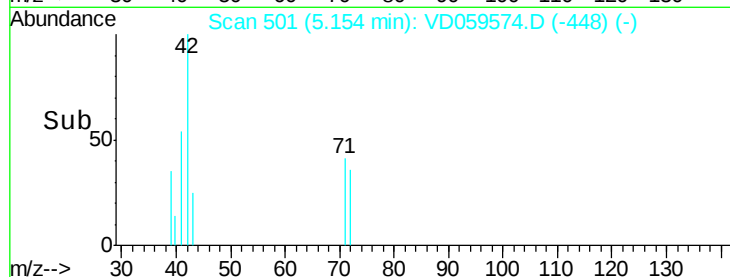
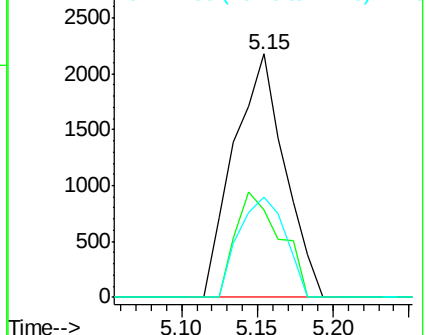
42 100

72 38.1 35.0 52.4

71 37.7 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: 7.347 ug/l

RT: 5.28 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD059574.D

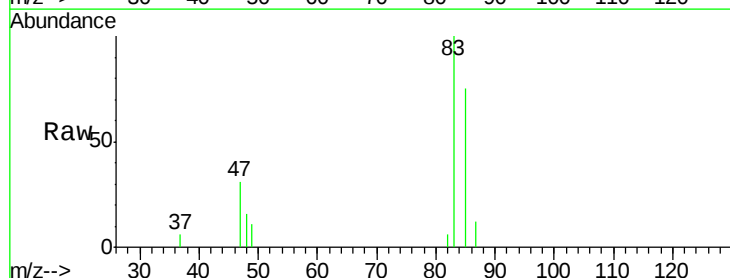
Acq: 24 Jul 2018 16:48

Tgt Ion: 83 Resp: 15870

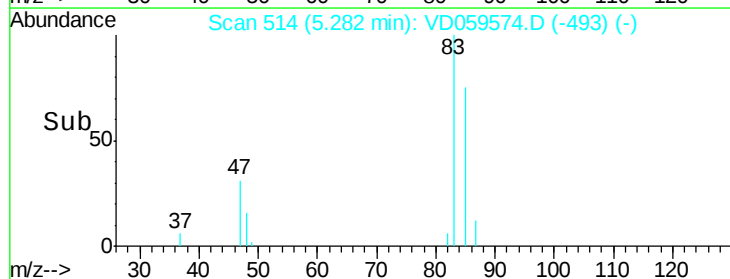
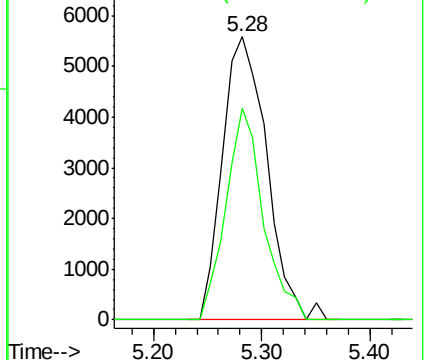
Ion Ratio Lower Upper

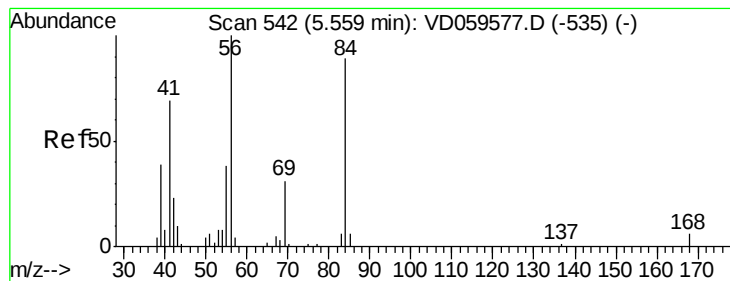
83 100

85 74.7 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: 10.347 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

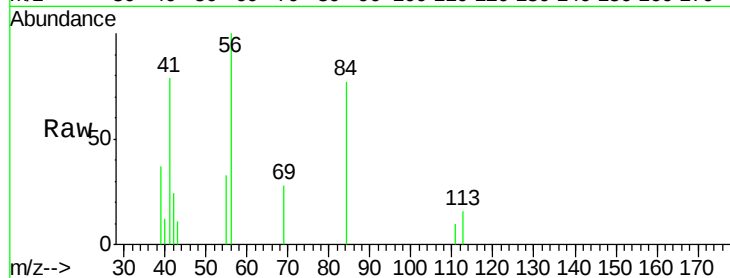
Tot Ion: 56 Resp: 13430

Ion Ratio Lower Upper

56 100

69 27.6 24.6 37.0

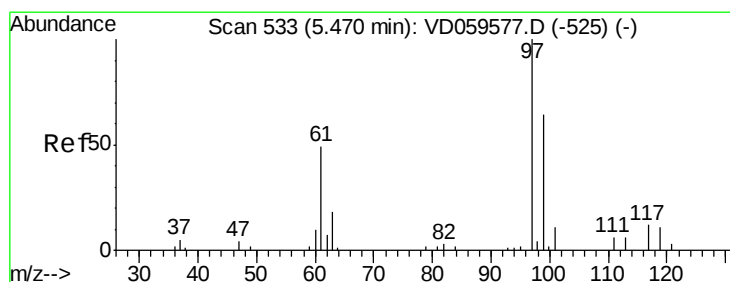
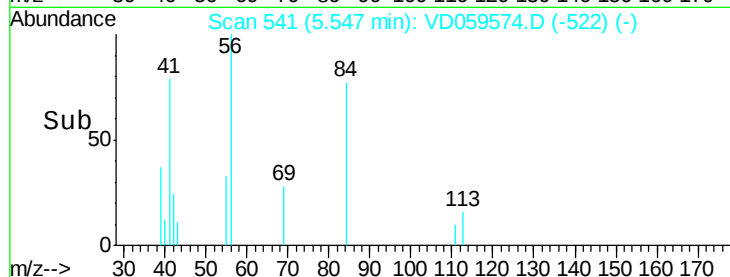
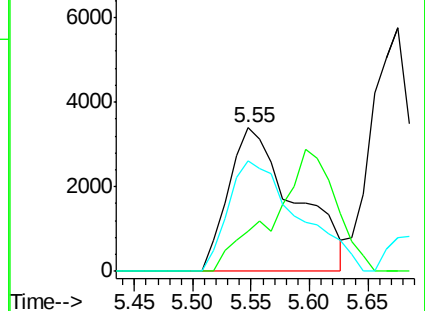
84 76.7 72.7 109.1



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: 7.503 ug/l

RT: 5.47 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

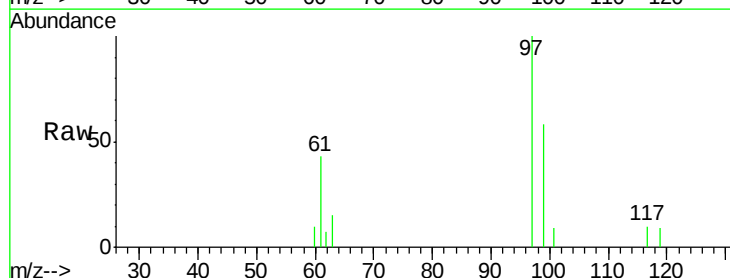
Tgt Ion: 97 Resp: 14487

Ion Ratio Lower Upper

97 100

99 57.9 50.9 76.3

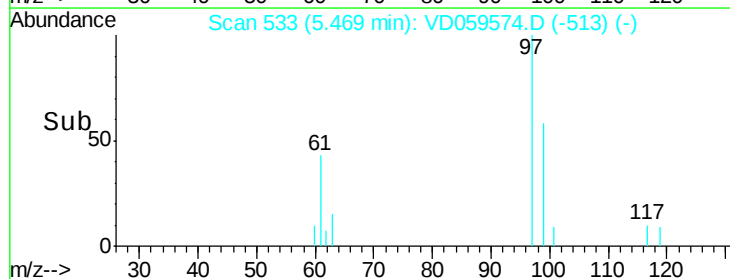
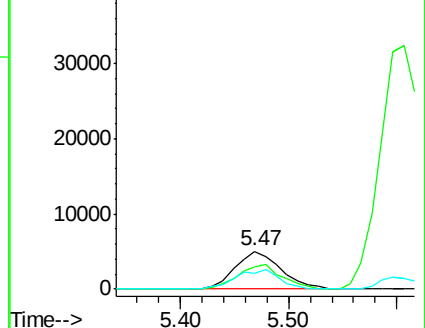
61 42.6 39.2 58.8

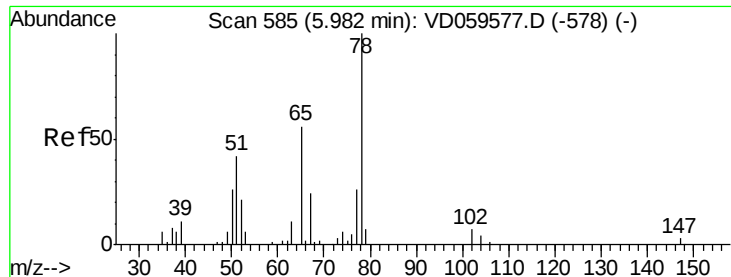


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

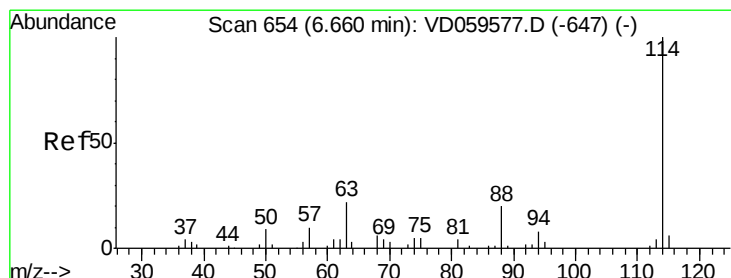
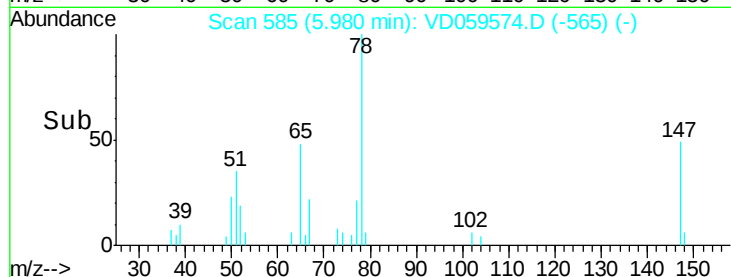
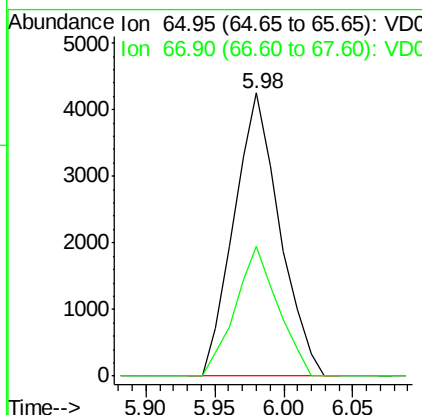
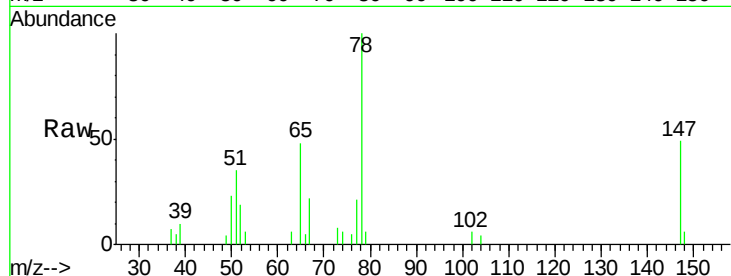




#33
 1,2-Dichloroethane-d4
 Concen: 7.503 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

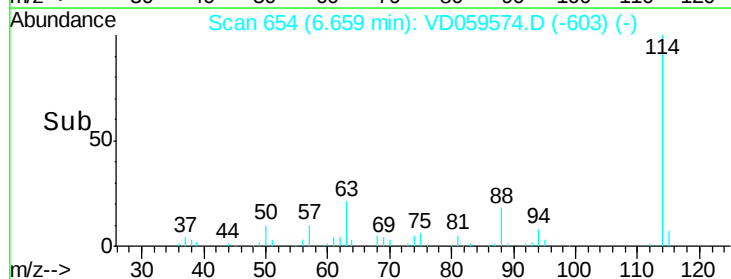
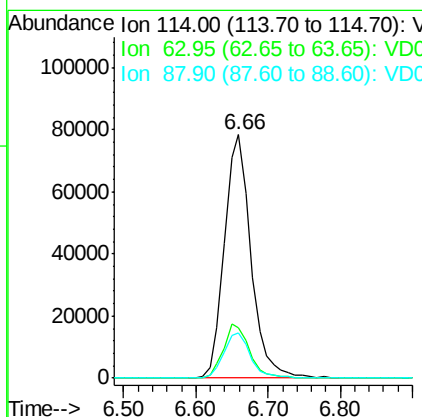
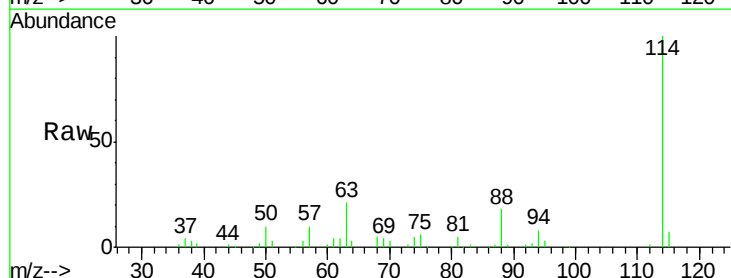
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

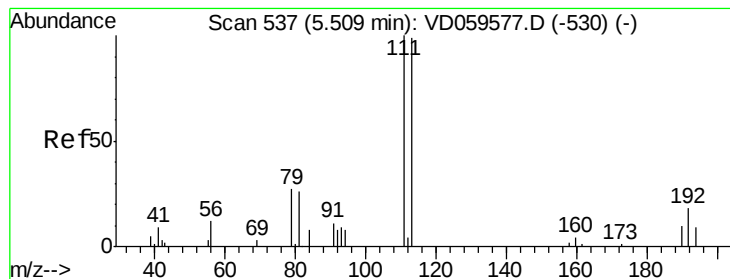
Tot Ion: 65 Resp: 9787
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Tgt Ion: 114 Resp: 200133
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.8
 88 18.5 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

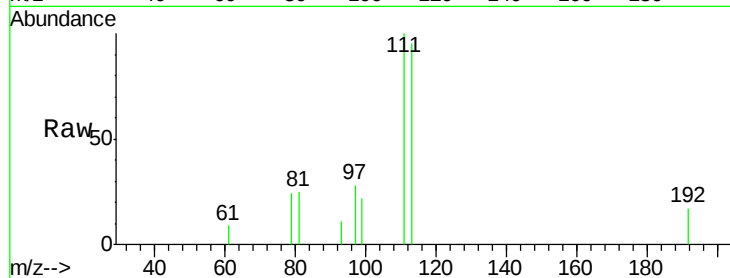
Tot Ion:113 Resp: 8952

Ion Ratio Lower Upper

113 100

111 105.1 80.5 120.7

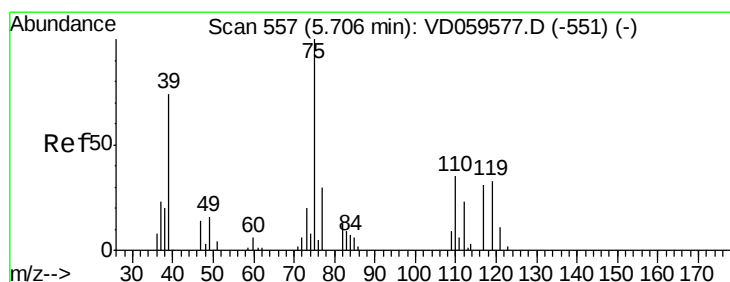
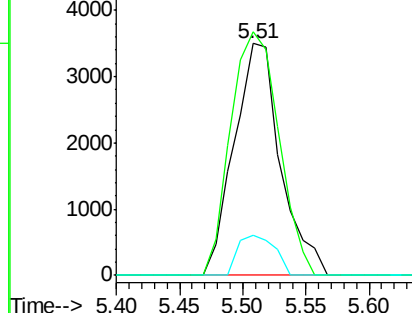
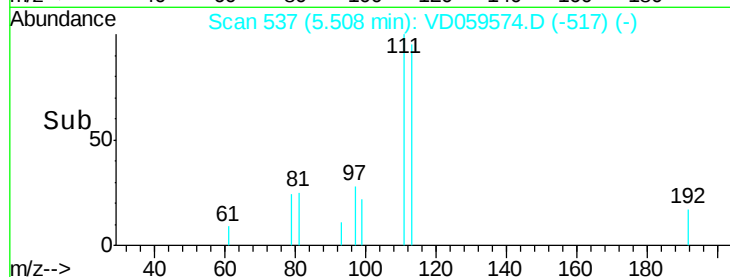
192 17.6 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.287 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

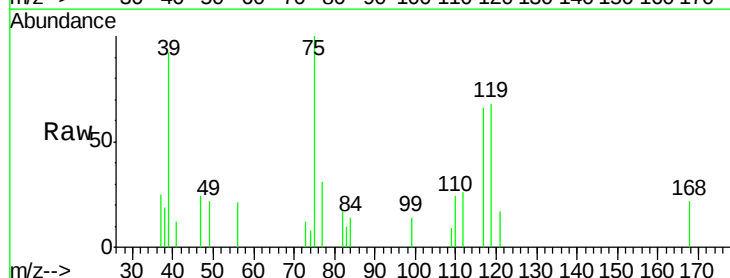
Tgt Ion: 75 Resp: 10494

Ion Ratio Lower Upper

75 100

110 24.3 17.0 50.9

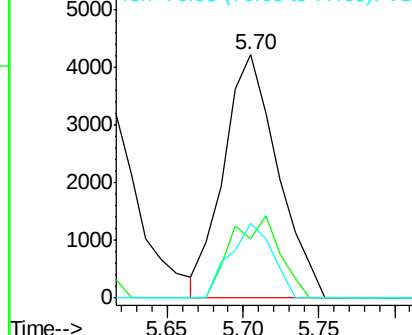
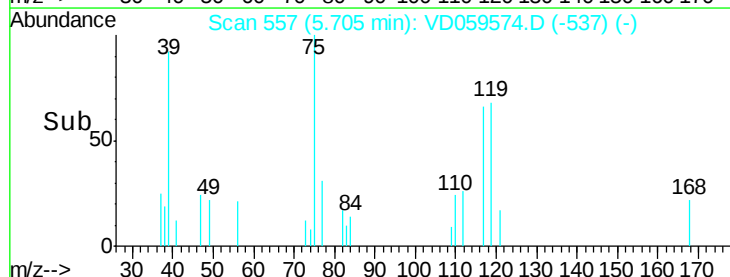
77 30.6 23.6 35.4

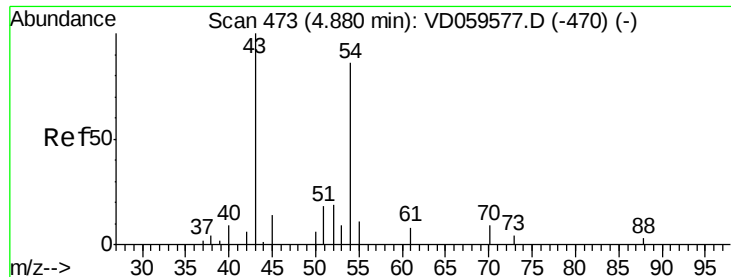


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

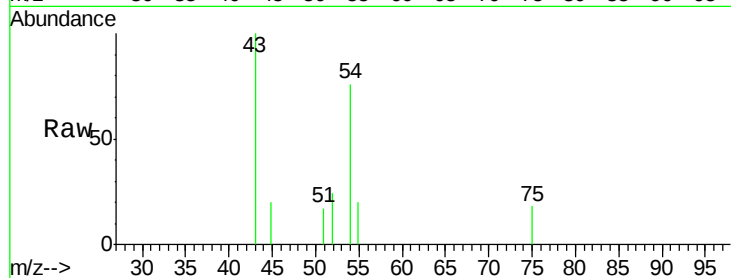




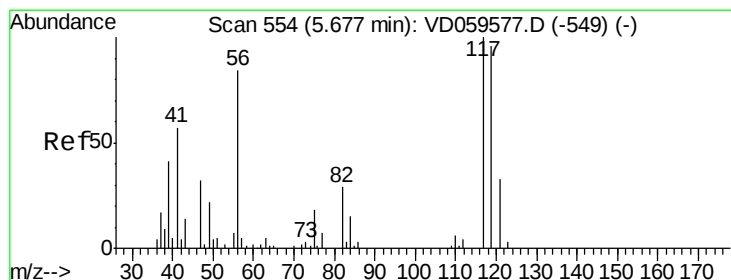
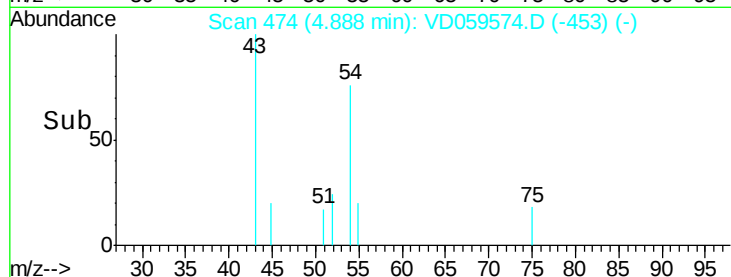
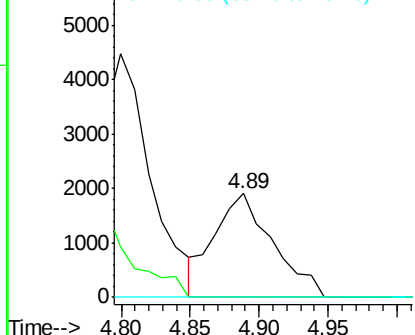
#37
Ethyl Acetate
Concen: 7.591 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 5592
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 5.4 8.0#

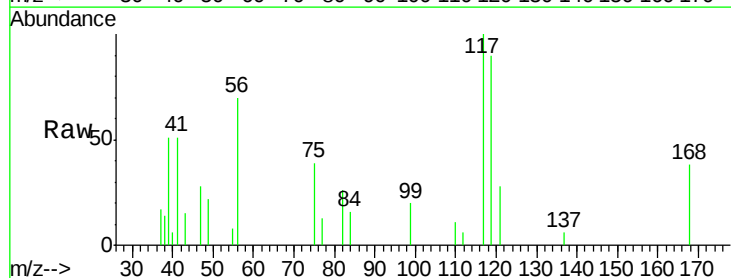


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

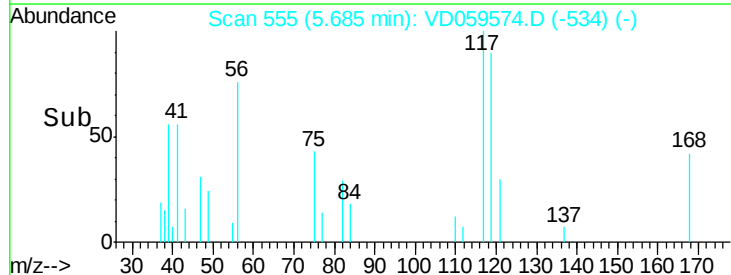
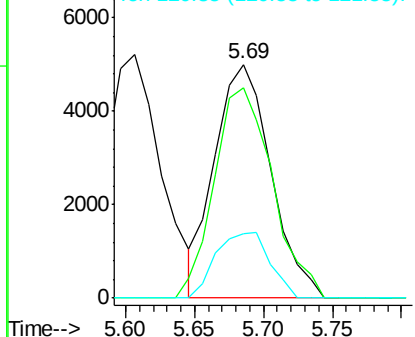


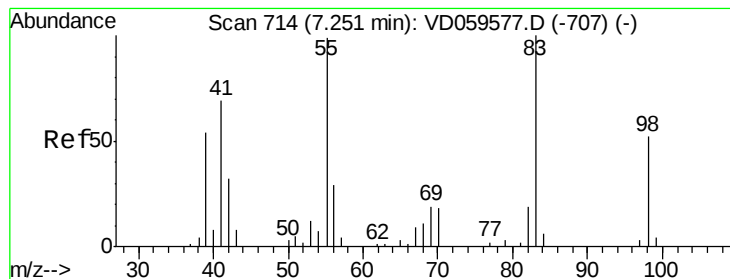
#38
Carbon Tetrachloride
Concen: 6.825 ug/l
RT: 5.69 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 117 Resp: 14180
Ion Ratio Lower Upper
117 100
119 90.2 73.6 110.4
121 27.6 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: 6.204 ug/l

RT: 7.25 min Scan# 714

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

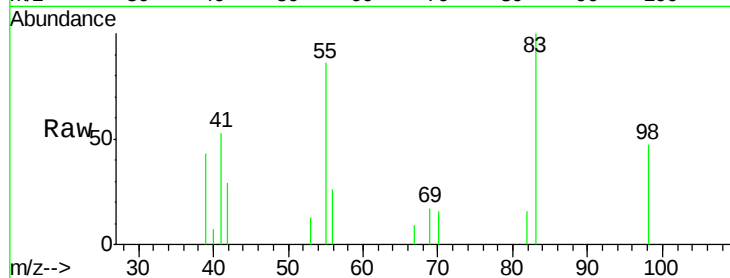
Tot Ion: 83 Resp: 10038

Ion Ratio Lower Upper

83 100

55 85.9 79.4 119.0

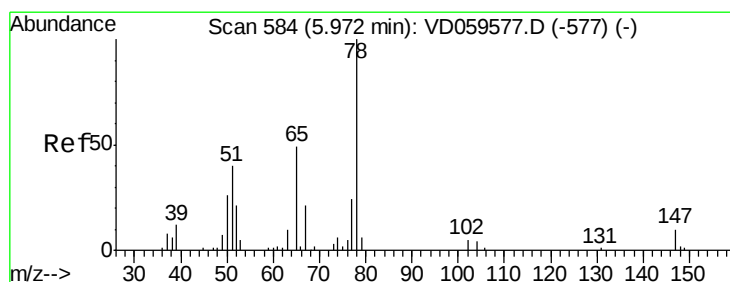
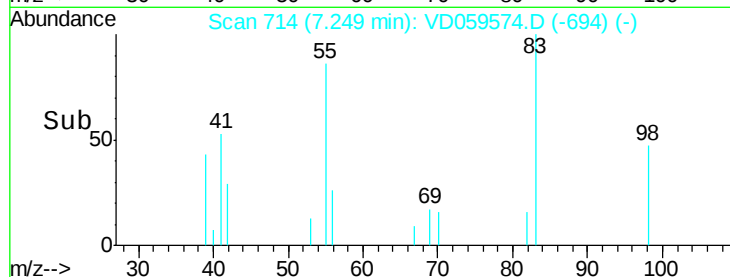
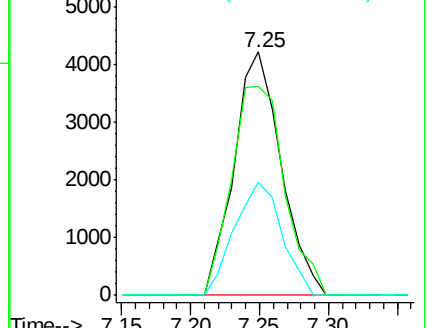
98 46.7 41.6 62.4



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: 6.079 ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD059574.D

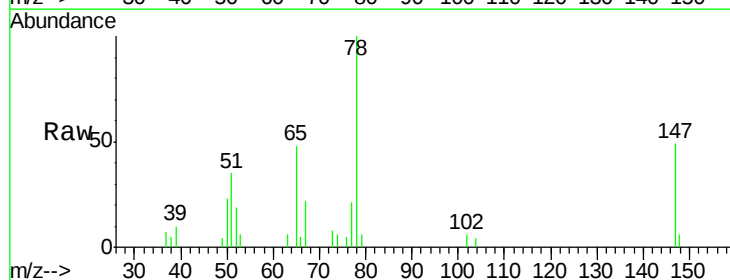
Acq: 24 Jul 2018 16:48

Tgt Ion: 78 Resp: 23547

Ion Ratio Lower Upper

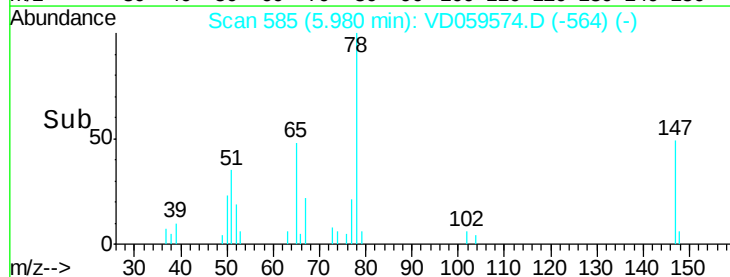
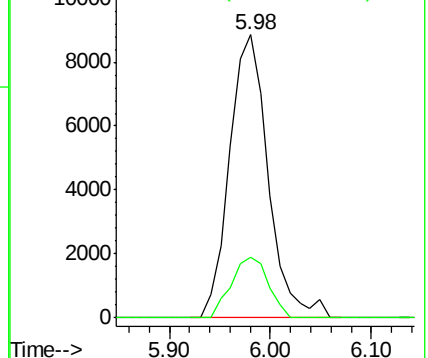
78 100

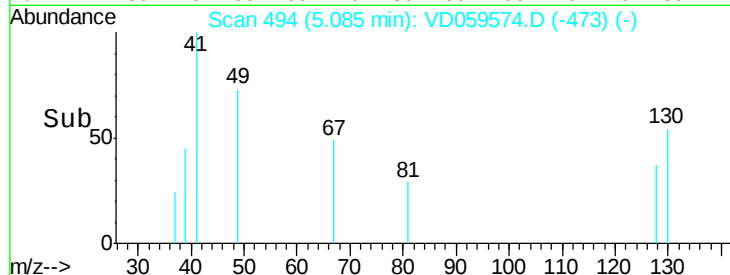
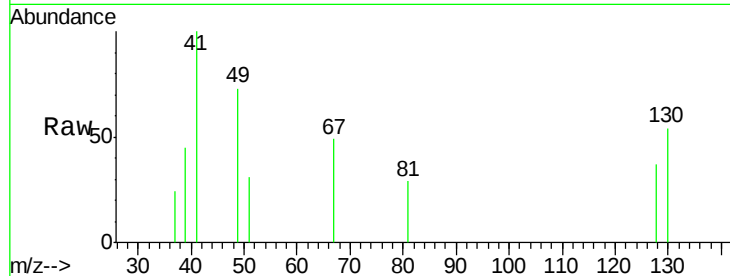
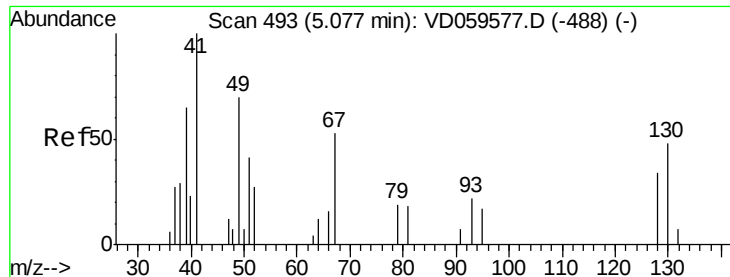
77 21.4 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 7.688 ug/l

RT: 5.09 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 2842

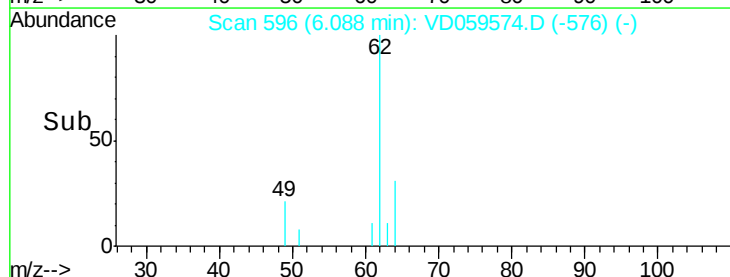
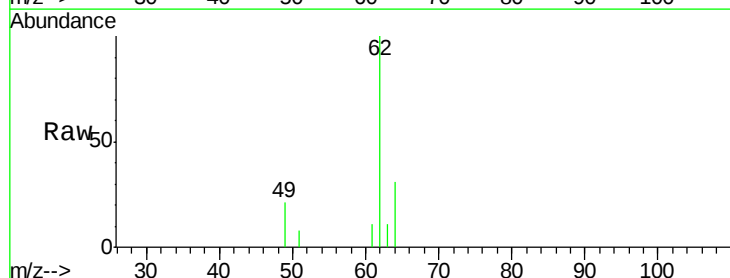
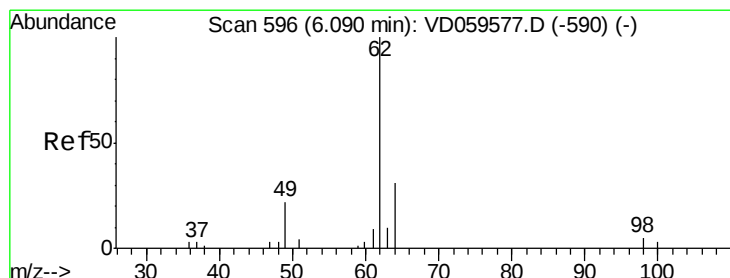
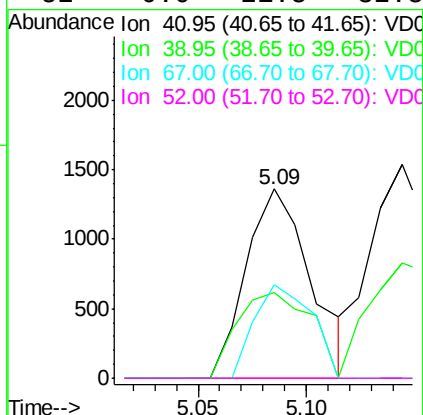
Ion Ratio Lower Upper

41 100

39 45.1 52.1 78.1#

67 49.4 42.5 63.7

52 0.0 21.8 32.8#



#42

1,2-Dichloroethane

Concen: 7.343 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD059574.D

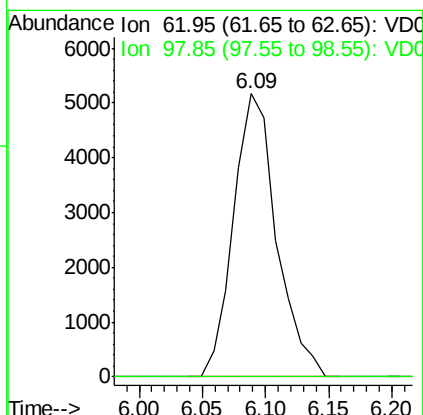
Acq: 24 Jul 2018 16:48

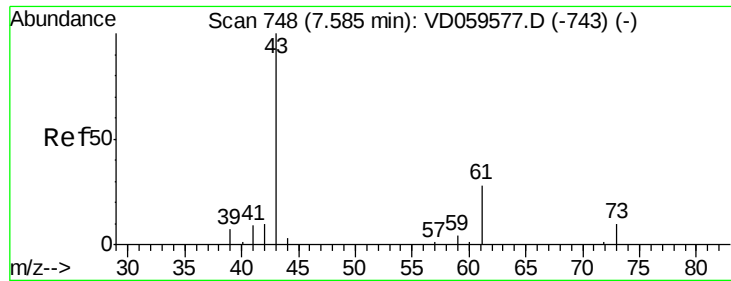
Tgt Ion: 62 Resp: 12199

Ion Ratio Lower Upper

62 100

98 0.0 0.0 10.2





#43

Isopropyl Acetate

Concen: 6.833 ug/l

RT: 7.58 min Scan# 748

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

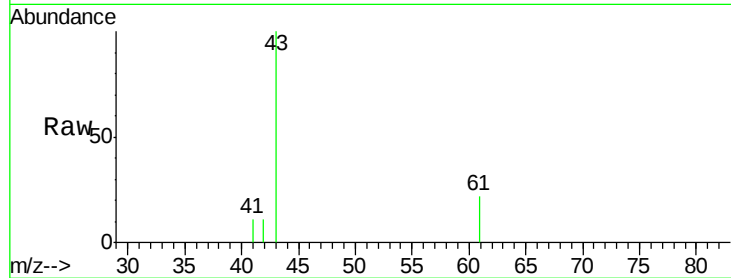
Tot Ion: 43 Resp: 6952

Ion Ratio Lower Upper

43 100

61 21.9 22.0 33.0#

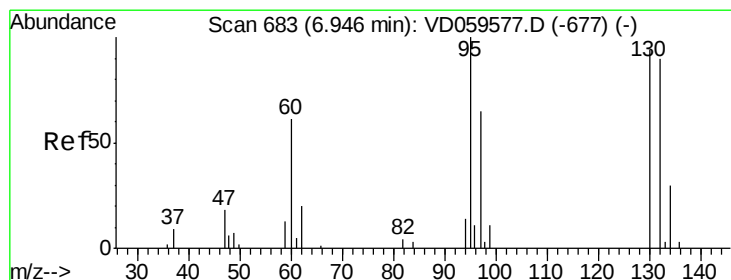
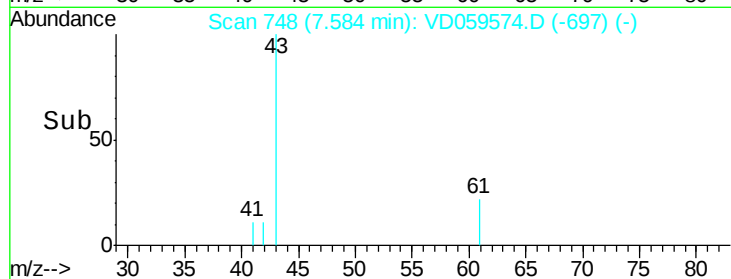
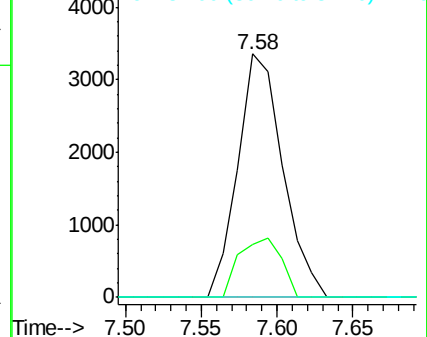
87 0.0 0.0 0.0



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: 4.369 ug/l

RT: 6.95 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD059574.D

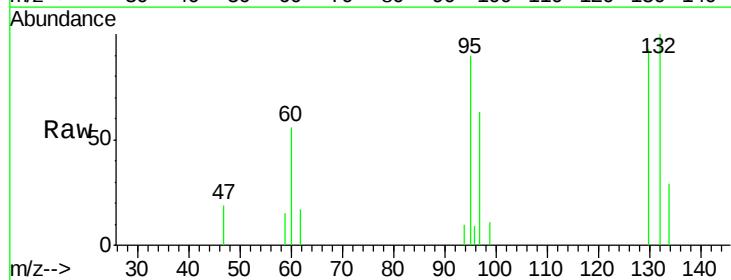
Acq: 24 Jul 2018 16:48

Tgt Ion: 130 Resp: 7424

Ion Ratio Lower Upper

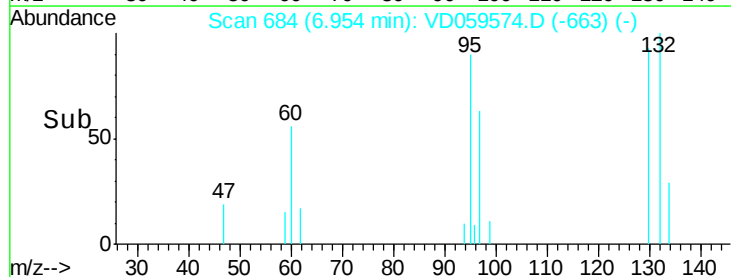
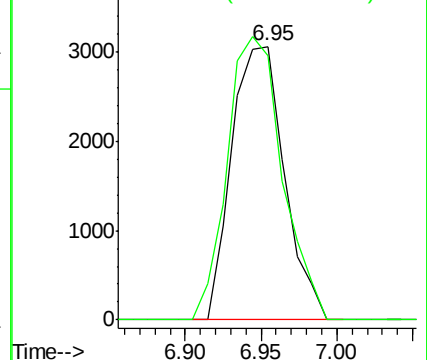
130 100

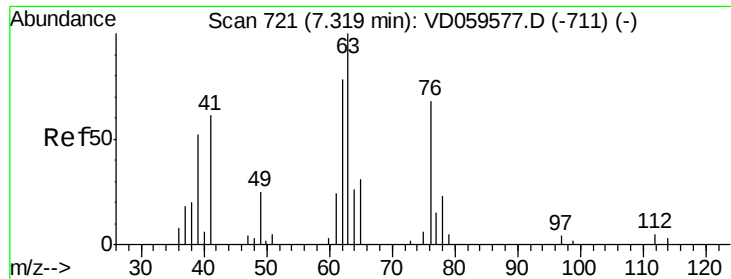
95 96.5 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 6.274 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

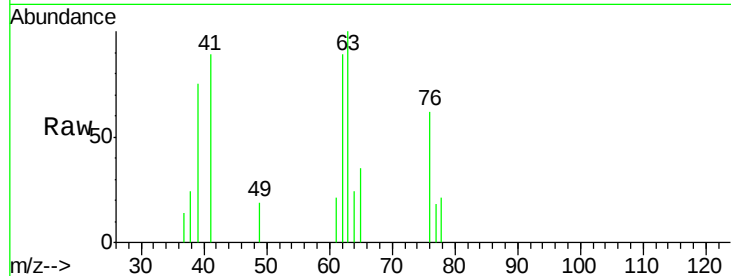
VSTDIC005

Tot Ion: 63 Resp: 6176

Ion Ratio Lower Upper

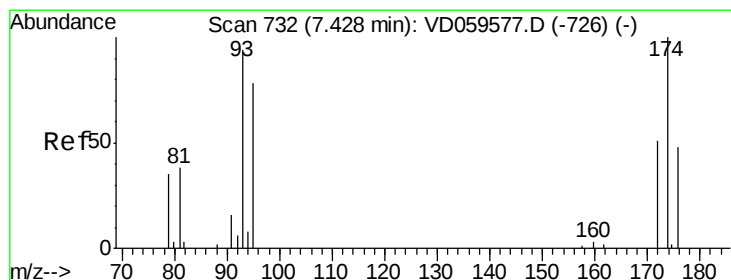
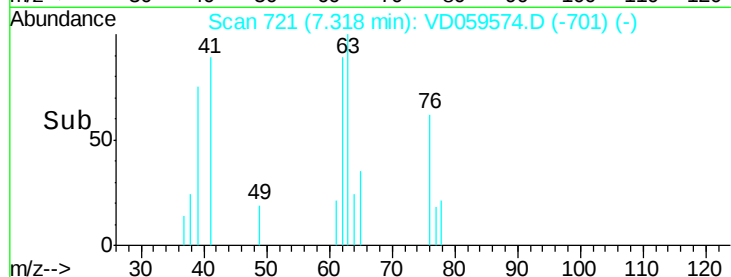
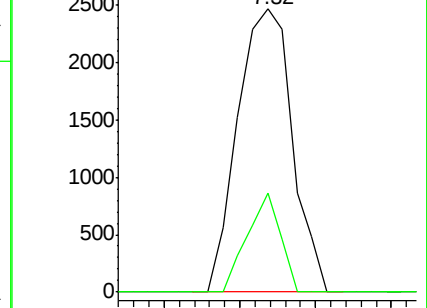
63 100

65 34.9 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: 6.496 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

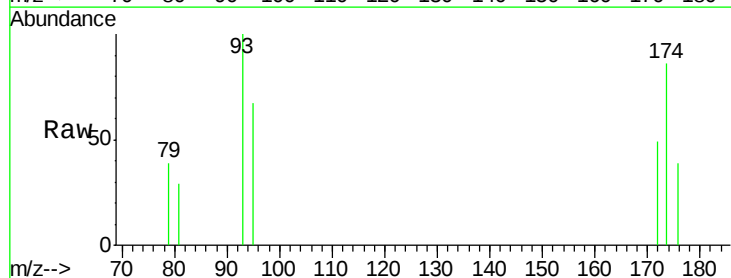
Tgt Ion: 93 Resp: 5012

Ion Ratio Lower Upper

93 100

95 67.5 65.8 98.8

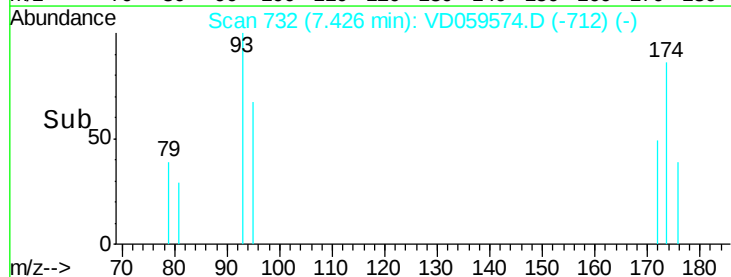
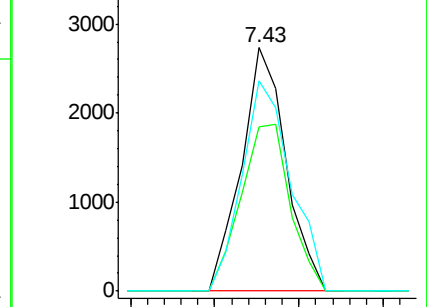
174 86.2 84.7 127.1

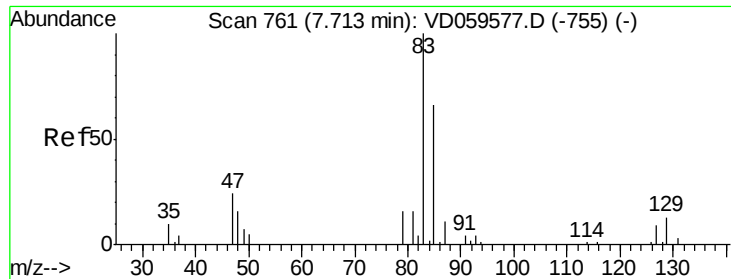


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 6.301 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

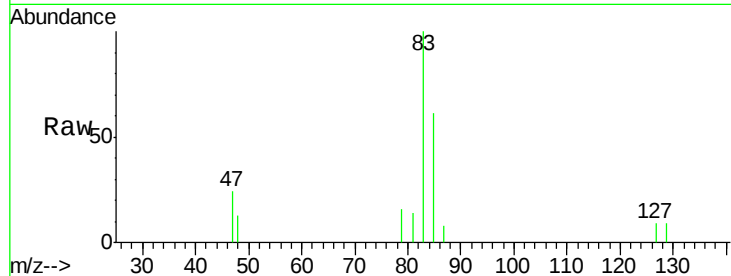
Tot Ion: 83 Resp: 11414

Ion Ratio Lower Upper

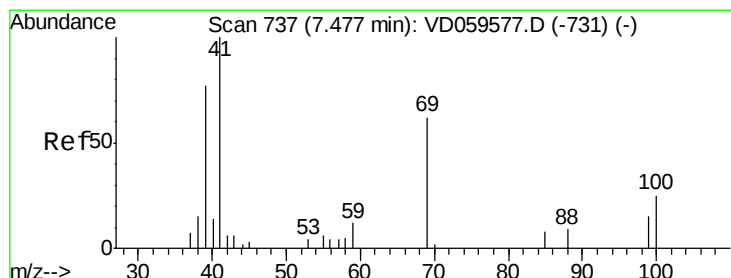
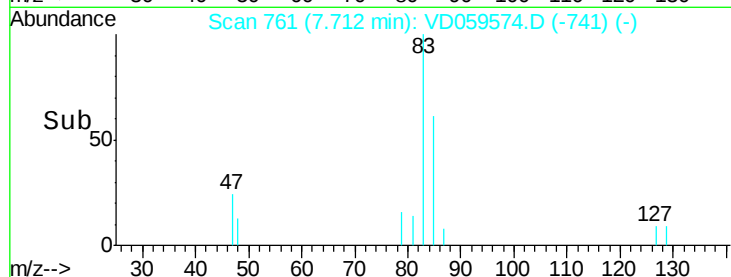
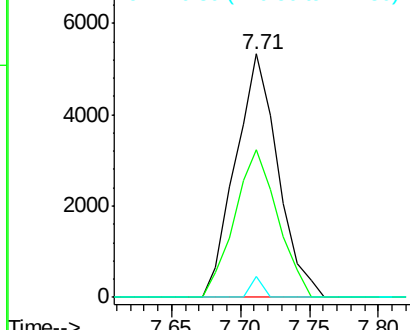
83 100

85 60.6 53.1 79.7

127 8.8 7.4 11.0



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



#48

Methyl methacrylate

Concen: 6.779 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

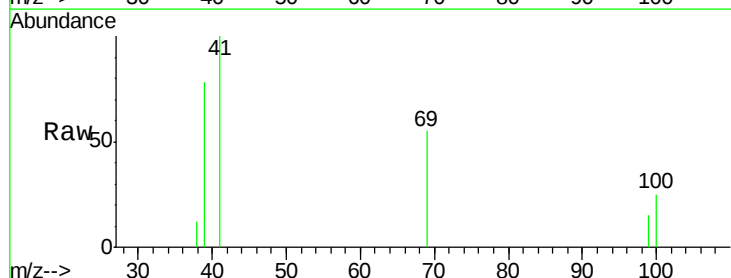
Tgt Ion: 41 Resp: 4619

Ion Ratio Lower Upper

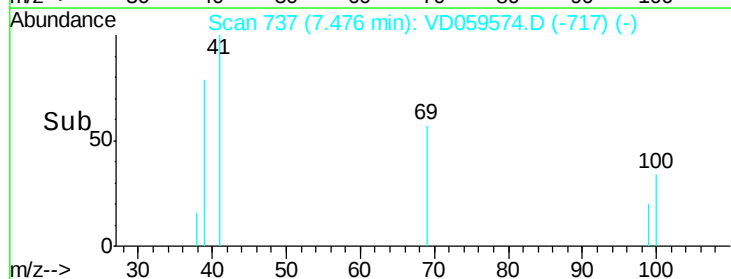
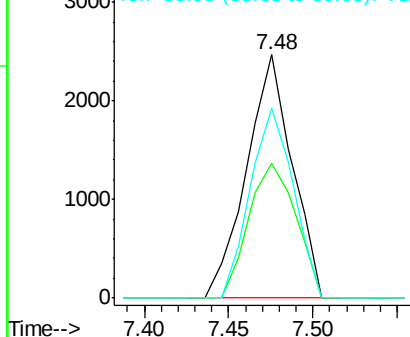
41 100

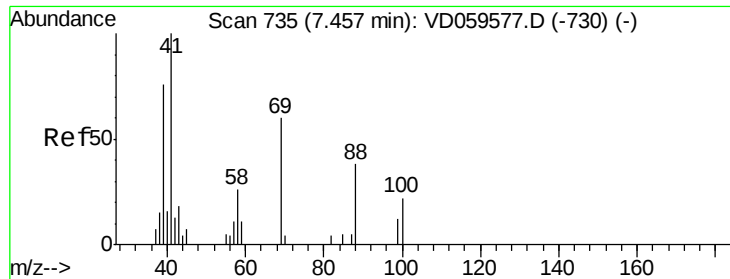
69 55.3 49.4 74.0

39 77.8 61.3 91.9



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

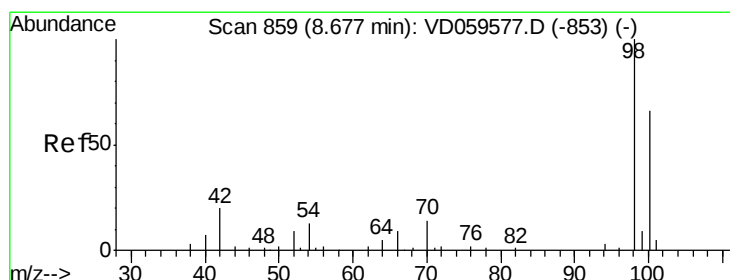
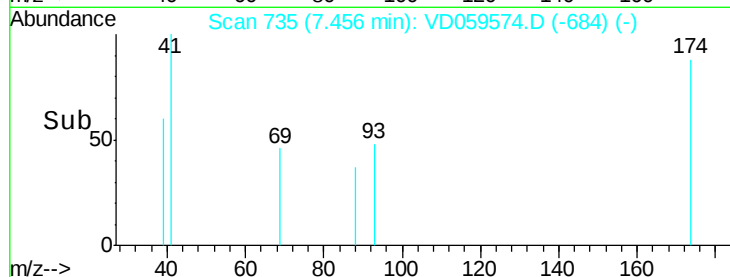
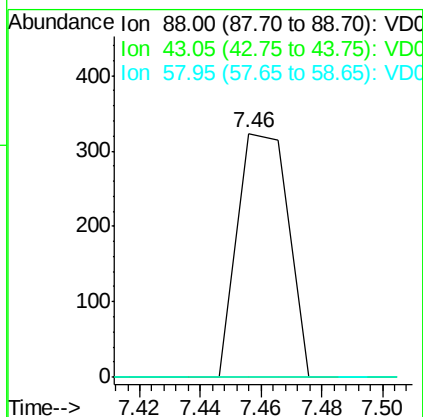
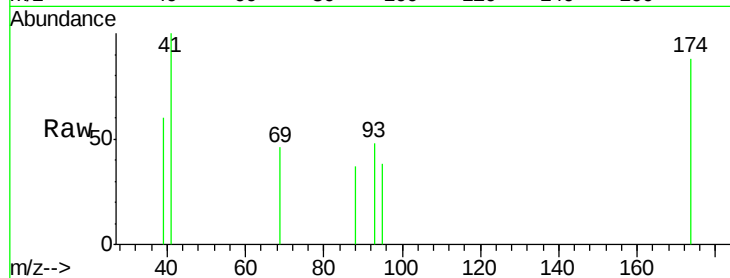




#49
1,4-Dioxane
Concen: 52.052 ug/l
RT: 7.46 min Scan# 735
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

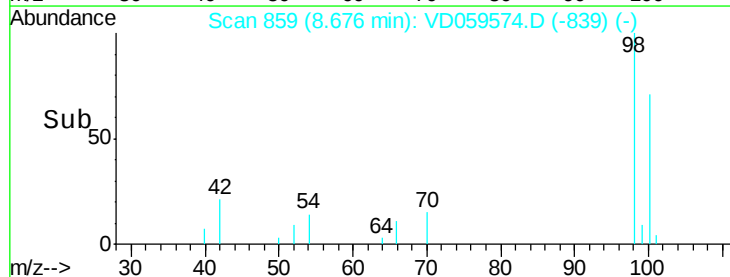
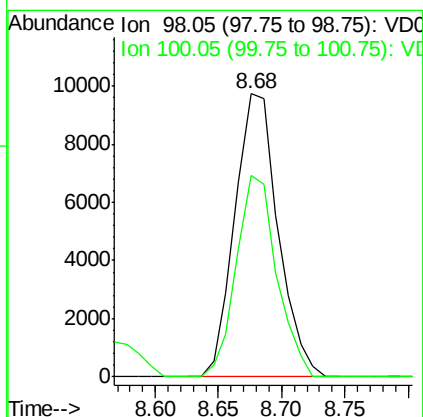
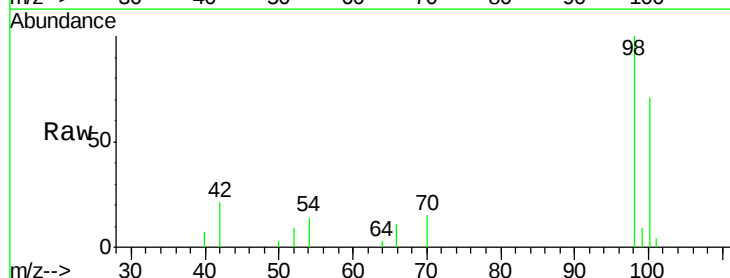
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

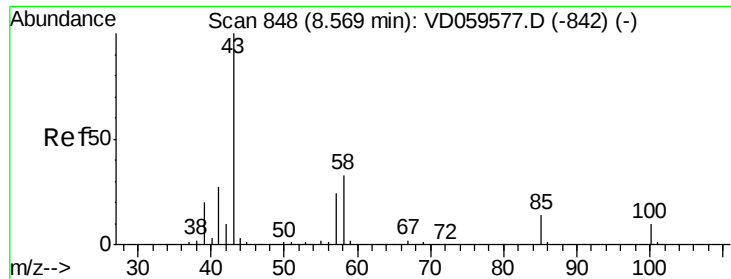
Tot Ion: 88 Resp: 377
Ion Ratio Lower Upper
88 100
43 0.0 37.4 56.2#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 52.052 ug/l
RT: 8.68 min Scan# 859
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 98 Resp: 23192
Ion Ratio Lower Upper
98 100
100 71.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 37.836 ug/l

RT: 8.57 min Scan# 848

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

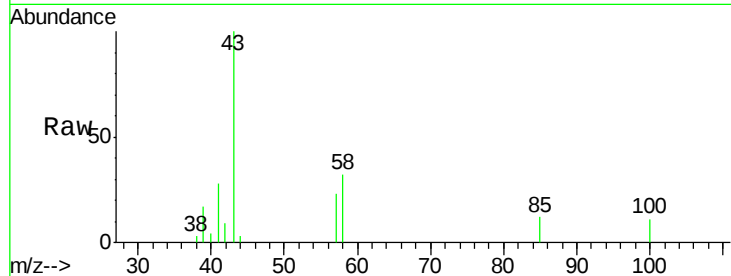
VSTDIC005

Tot Ion: 43 Resp: 25834

Ion Ratio Lower Upper

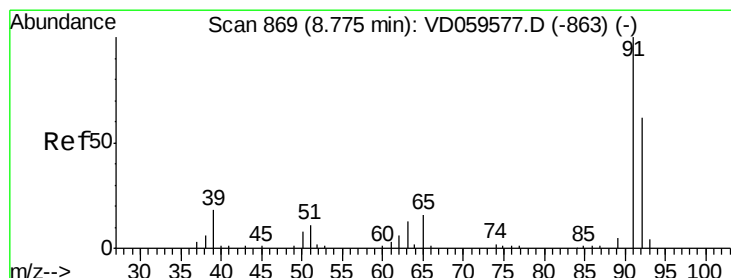
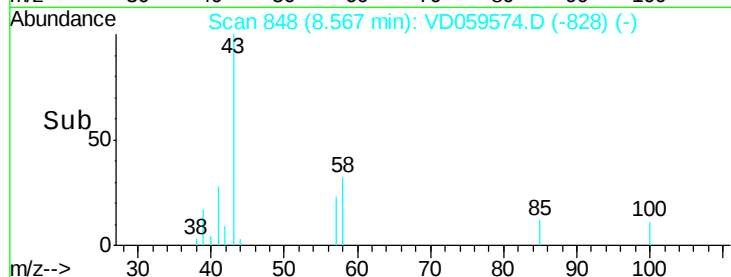
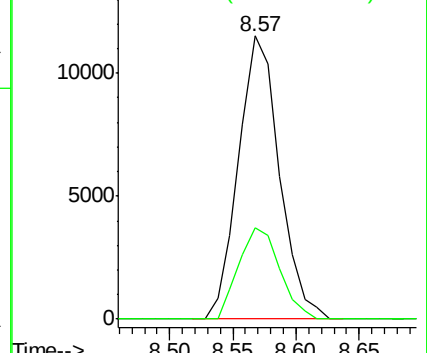
43 100

58 32.2 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: 6.043 ug/l

RT: 8.77 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059574.D

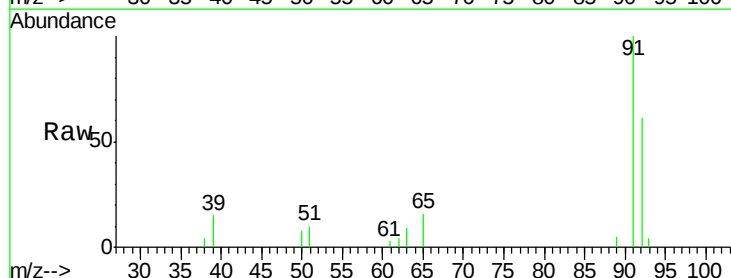
Acq: 24 Jul 2018 16:48

Tgt Ion: 92 Resp: 15045

Ion Ratio Lower Upper

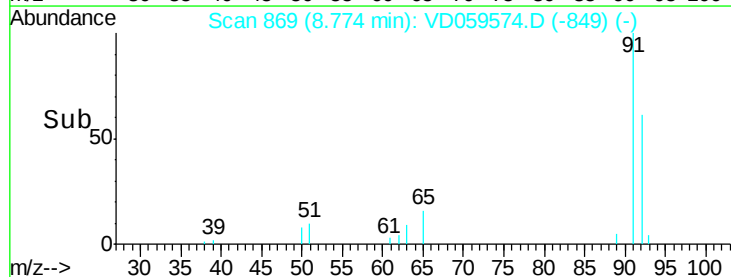
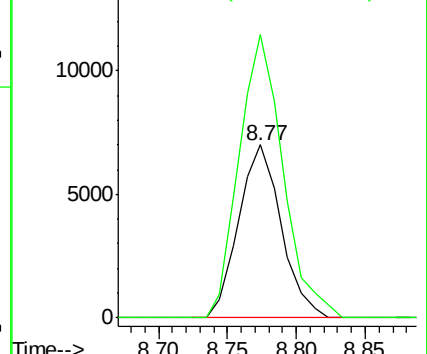
92 100

91 163.6 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

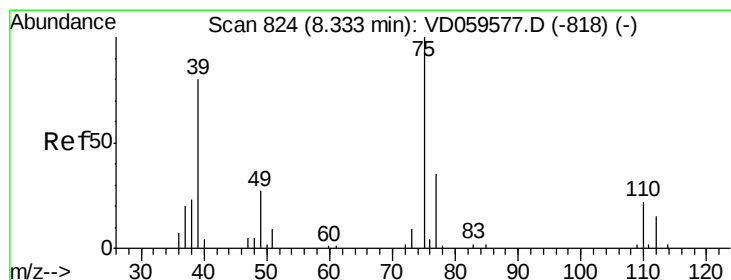
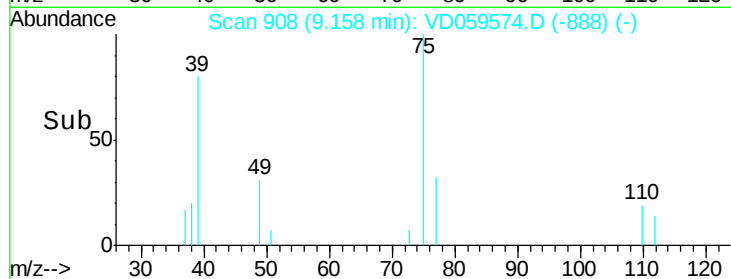
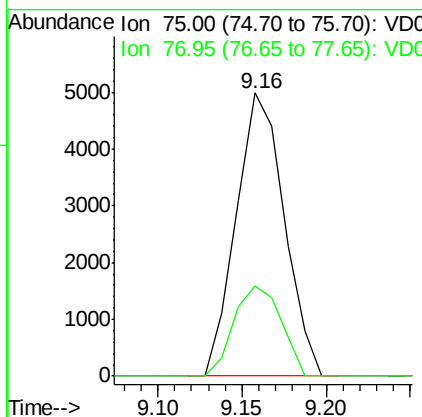
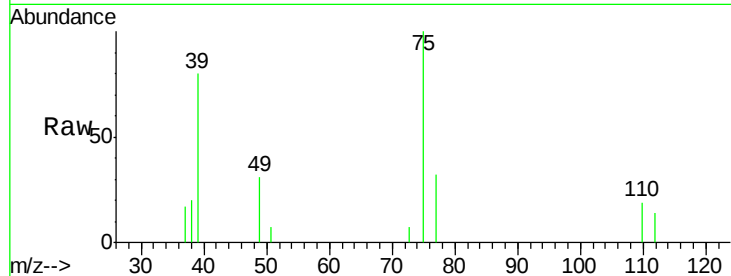




#53
t-1,3-Dichloropropene
Concen: 6.797 ug/l
RT: 9.16 min Scan# 908
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

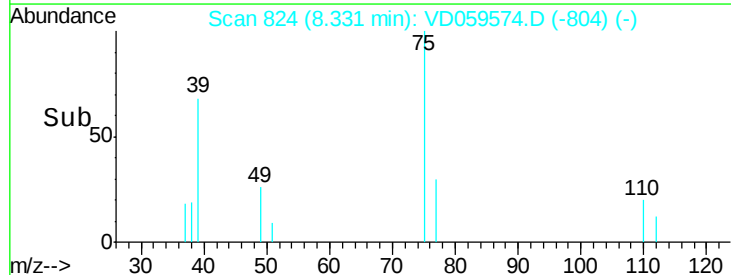
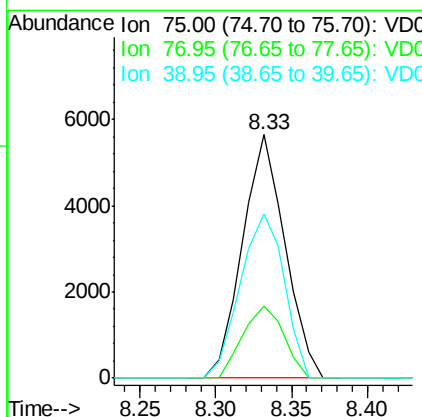
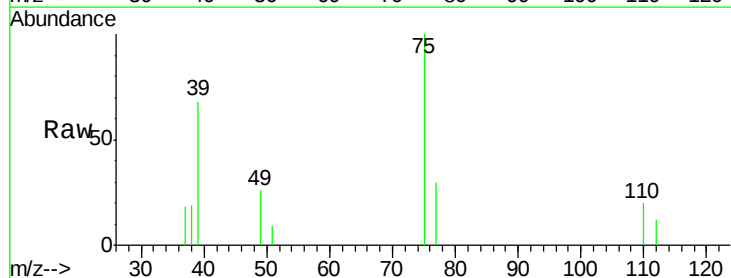
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

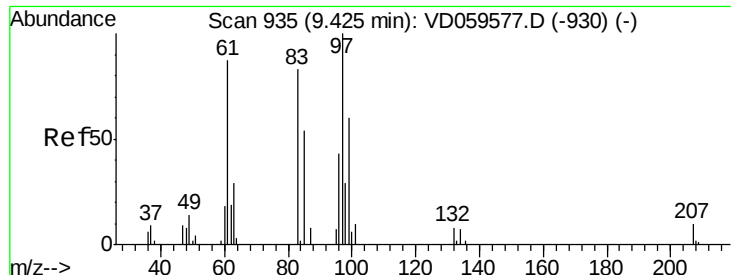
Tot Ion: 75 Resp: 9834
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 6.912 ug/l
RT: 8.33 min Scan# 824
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 75 Resp: 10994
Ion Ratio Lower Upper
75 100
77 29.6 27.7 41.5
39 67.6 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 6.019 ug/l

RT: 9.42 min Scan# 935

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 5410

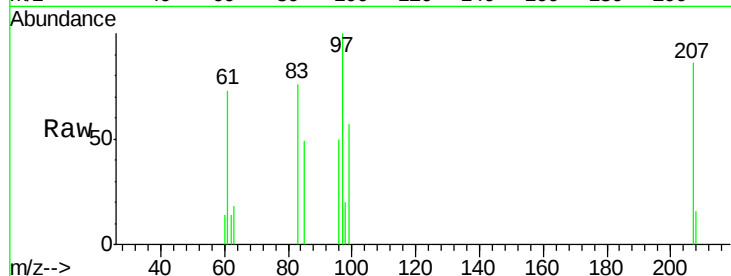
Ion Ratio Lower Upper

97 100

83 76.4 66.3 99.5

85 48.5 43.0 64.6

99 56.8 47.7 71.5

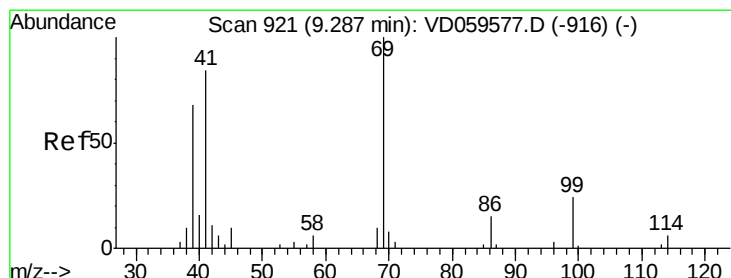
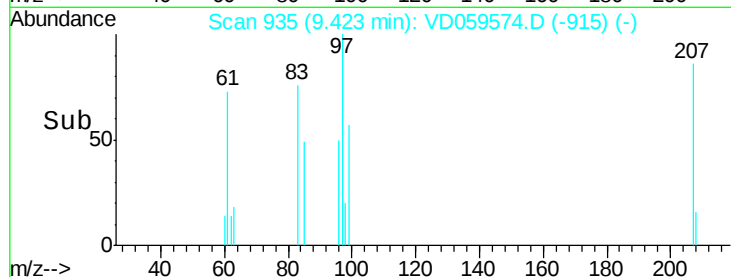
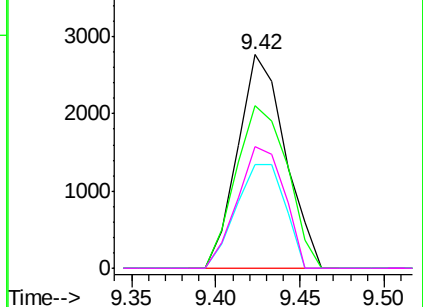


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 5.434 ug/l

RT: 9.29 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

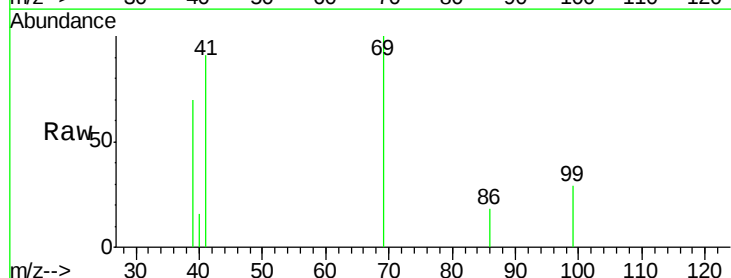
Tgt Ion: 69 Resp: 5308

Ion Ratio Lower Upper

69 100

41 91.1 66.8 100.2

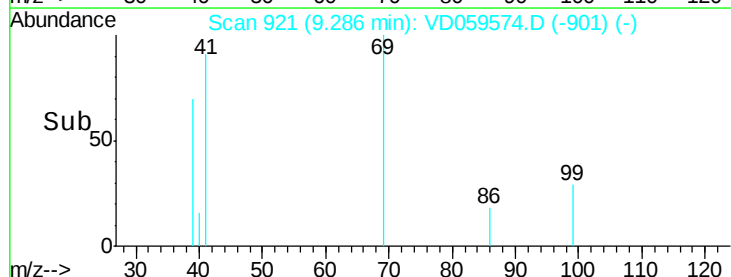
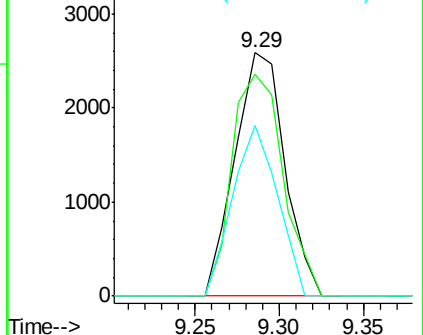
39 70.2 54.7 82.1

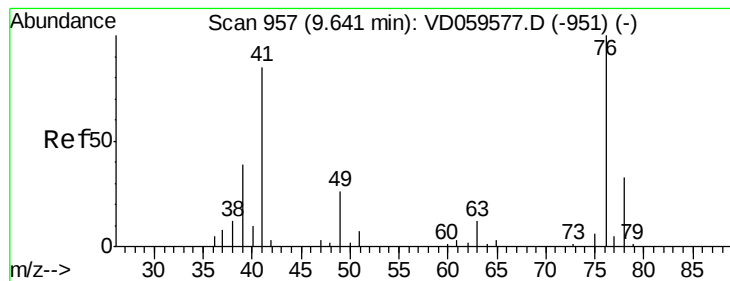


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 6.297 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

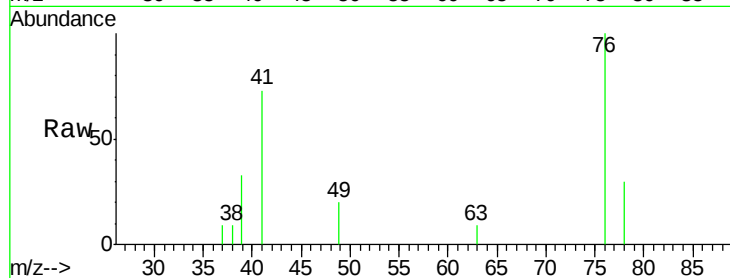
VSTDIC005

Tot Ion: 76 Resp: 8785

Ion Ratio Lower Upper

76 100

78 29.9 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.64

4000

3000

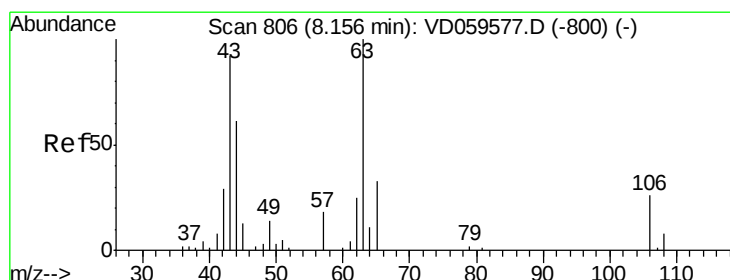
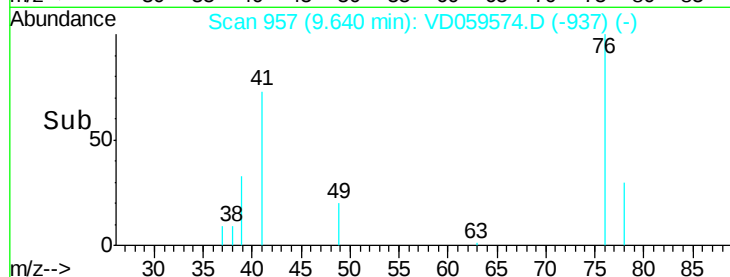
2000

1000

0

Time-->

9.55 9.60 9.65 9.70



#58

2-Chloroethyl Vinyl ether

Concen: 35.141 ug/l

RT: 8.15 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD059574.D

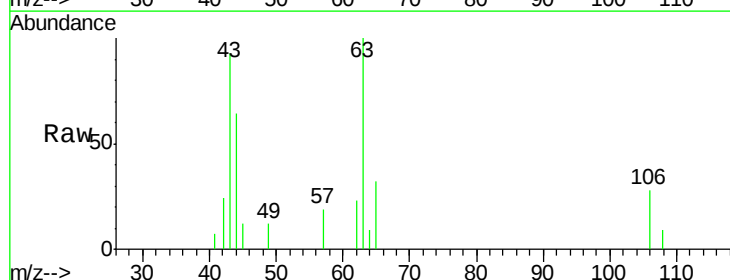
Acq: 24 Jul 2018 16:48

Tgt Ion: 63 Resp: 15564

Ion Ratio Lower Upper

63 100

106 27.7 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.15

8000

6000

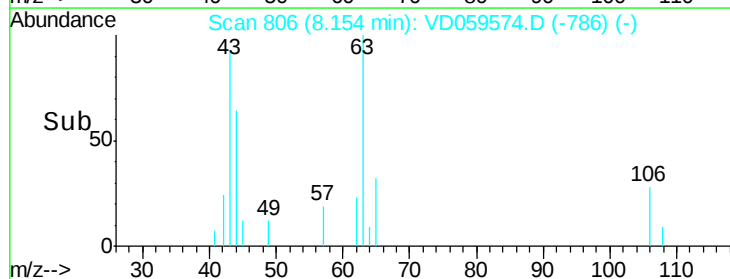
4000

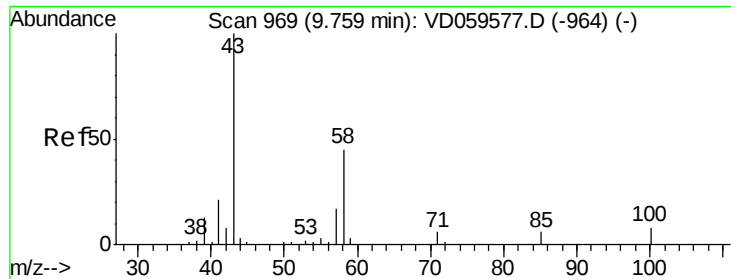
2000

0

Time-->

8.10 8.15 8.20 8.25

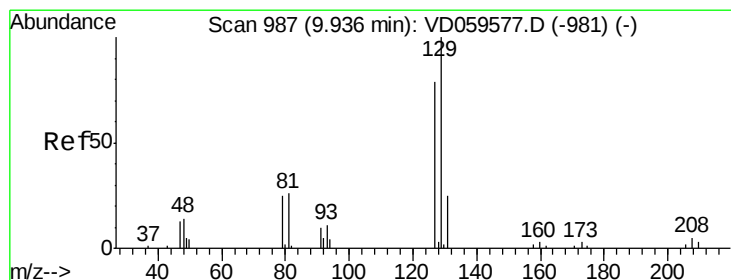
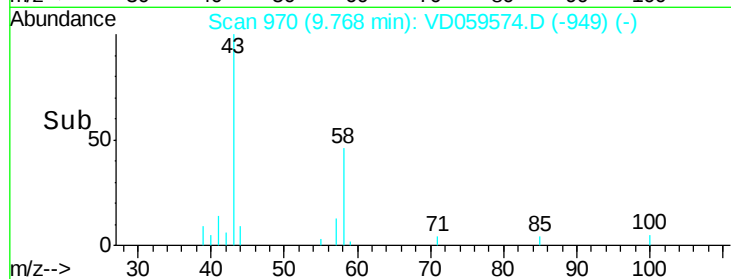
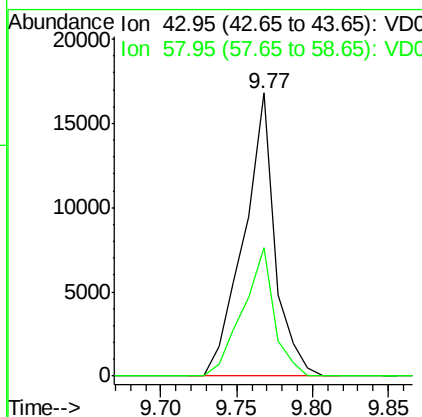
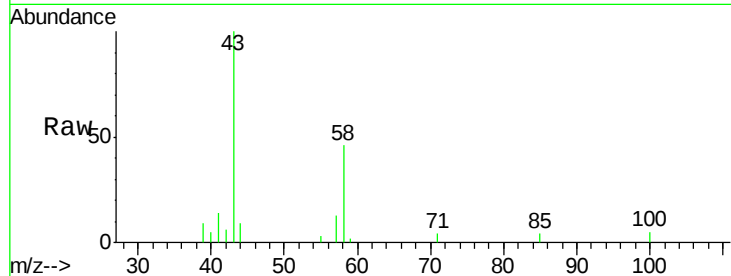




#59
2-Hexanone
Concen: 49.105 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

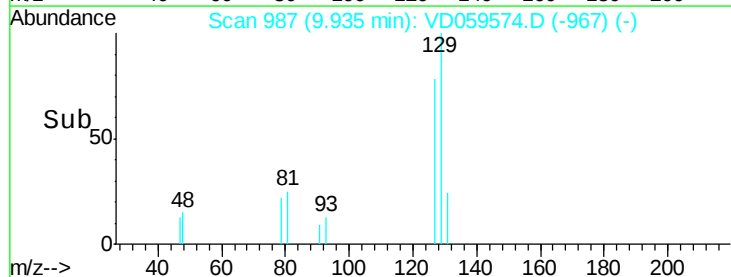
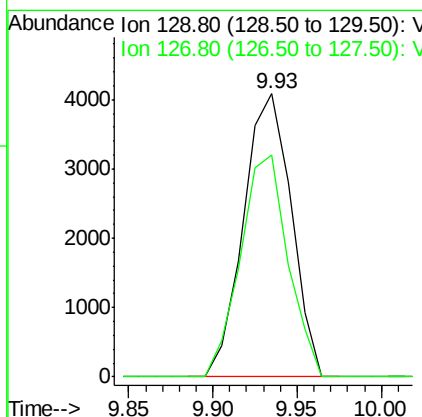
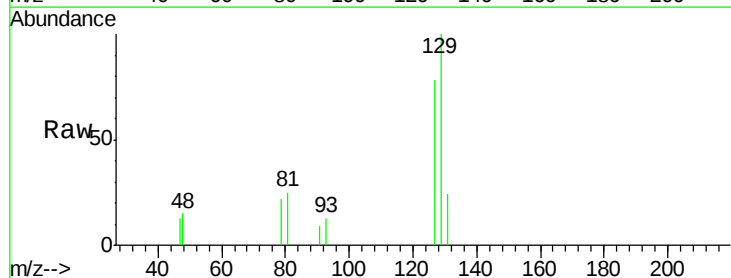
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

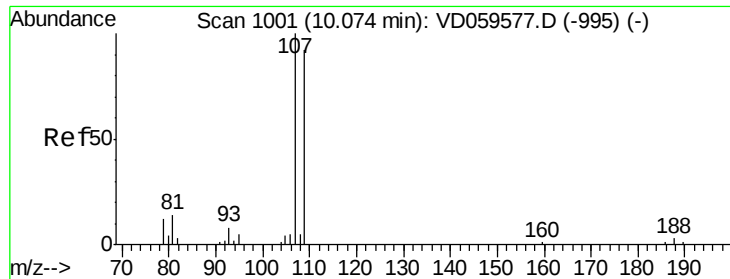
Tot Ion: 43 Resp: 24067
Ion Ratio Lower Upper
43 100
58 45.6 22.7 68.1



#60
Dibromochloromethane
Concen: 4.962 ug/l
RT: 9.93 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion:129 Resp: 8003
Ion Ratio Lower Upper
129 100
127 78.2 39.3 117.9





#61

1,2-Dibromoethane

Concen: 5.779 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

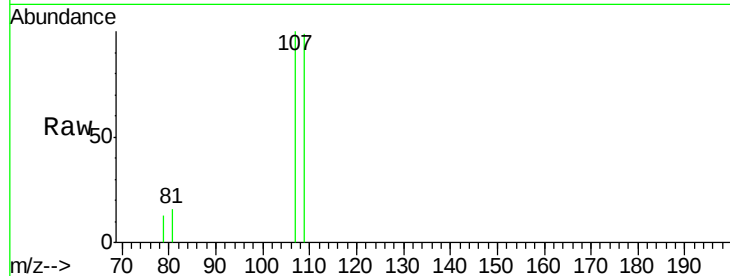
VSTDIC005

Tot Ion:107 Resp: 6112

Ion Ratio Lower Upper

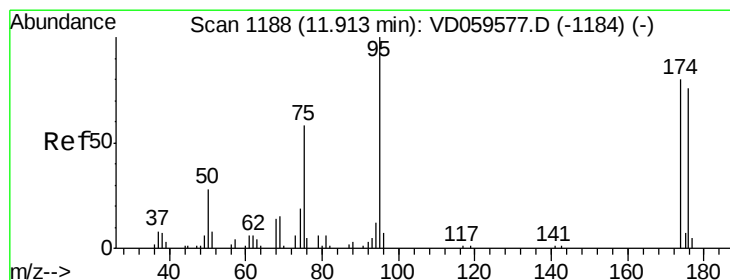
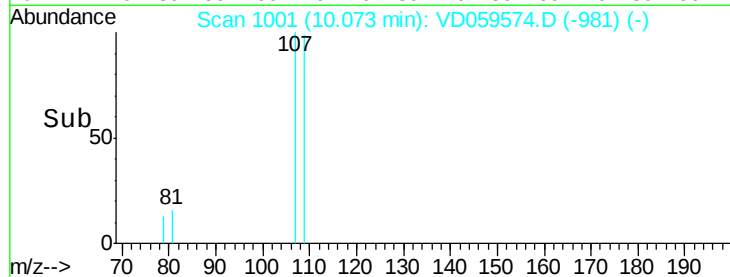
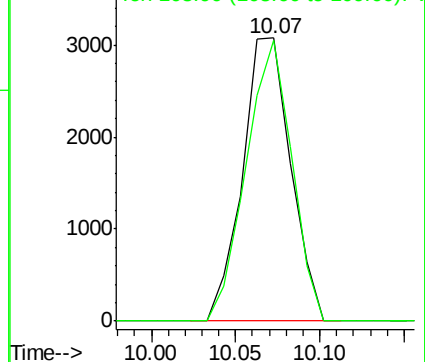
107 100

109 99.4 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: 5.779 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

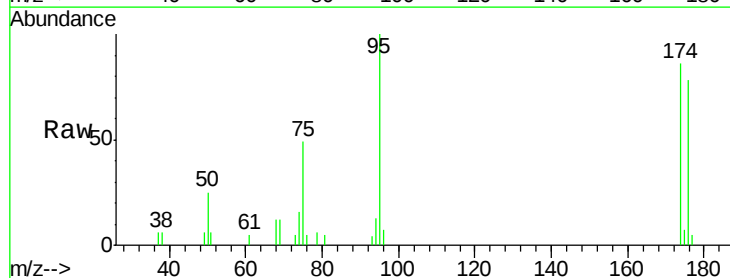
Tgt Ion: 95 Resp: 9877

Ion Ratio Lower Upper

95 100

174 86.4 0.0 160.6

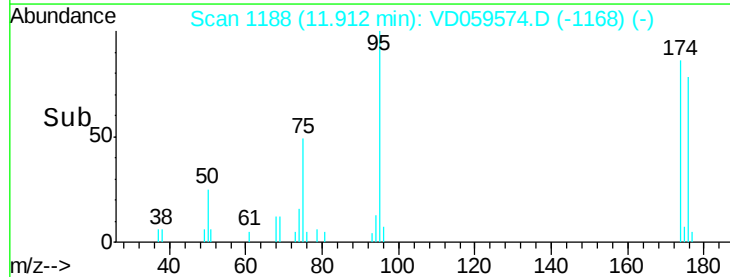
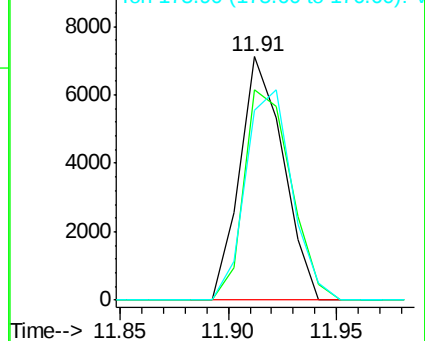
176 78.2 0.0 152.8

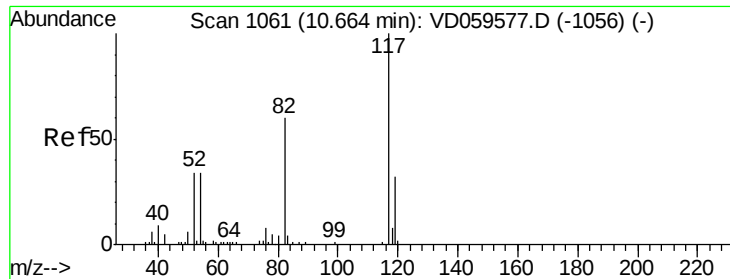


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

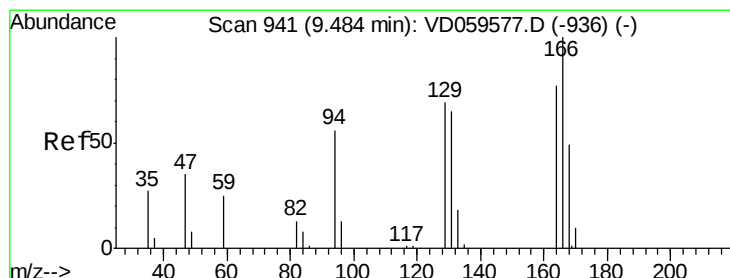
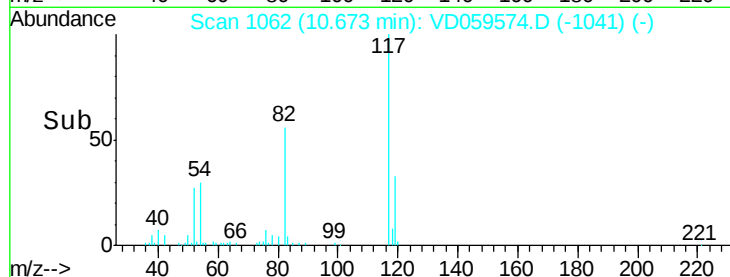
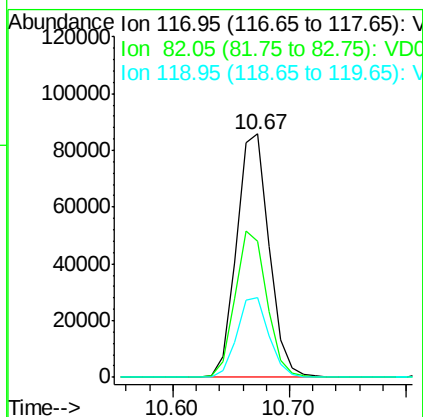
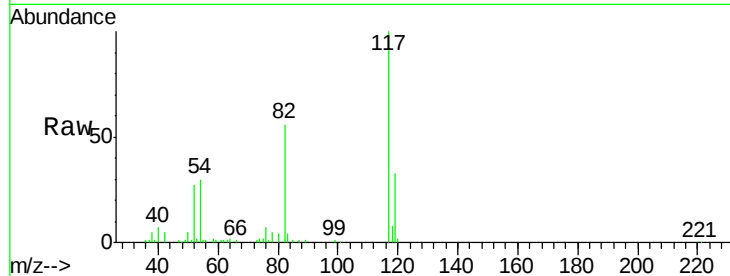




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

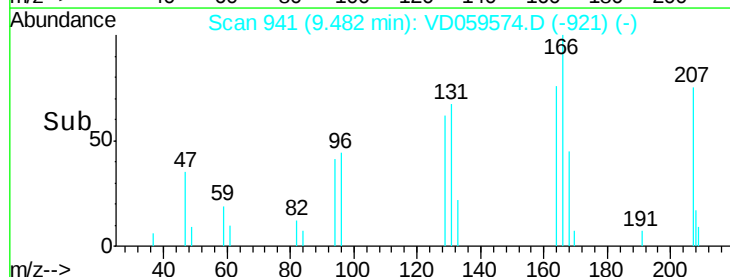
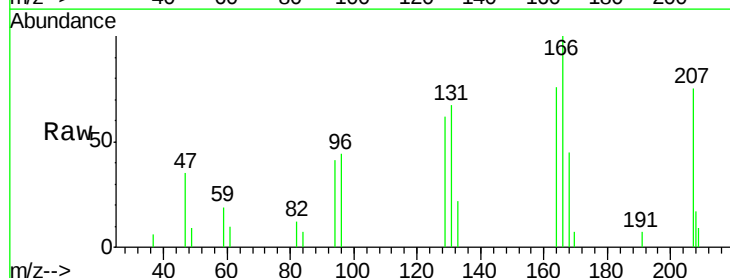
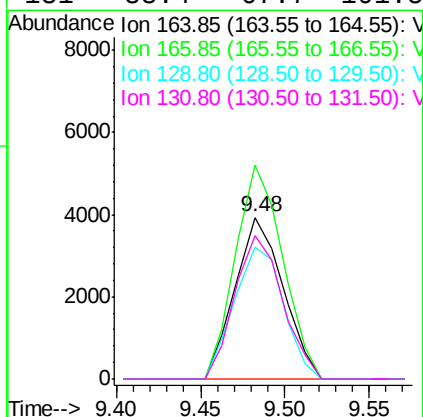
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

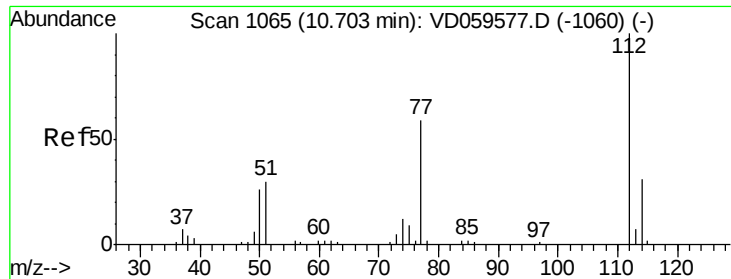
Tot Ion:117 Resp: 166583
Ion Ratio Lower Upper
117 100
82 55.8 48.2 72.2
119 33.0 25.4 38.2



#64
Tetrachloroethene
Concen: 3.477 ug/l
RT: 9.48 min Scan# 941
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion:164 Resp: 7769
Ion Ratio Lower Upper
164 100
166 132.1 104.0 156.0
129 81.9 72.2 108.4
131 88.4 67.7 101.5

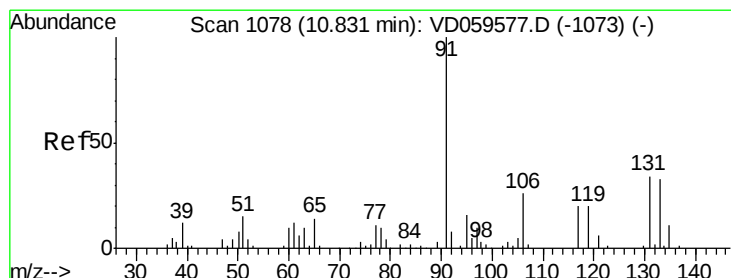
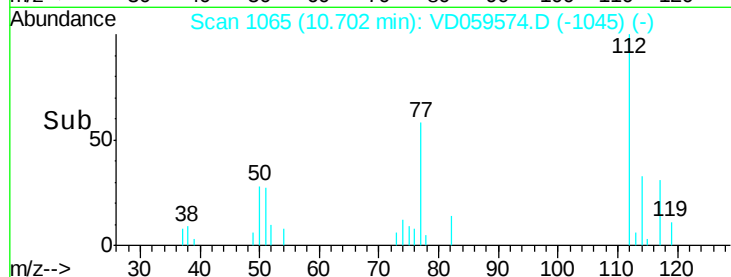
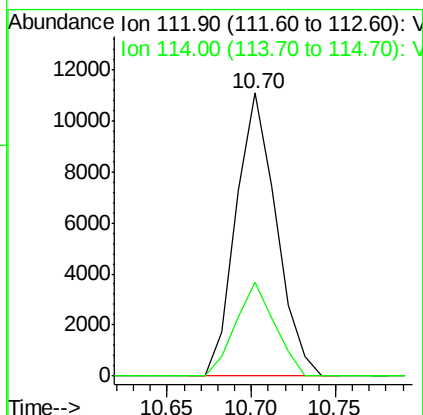
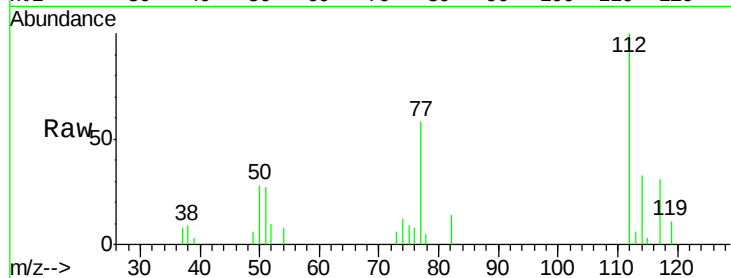




#65
Chlorobenzene
Concen: 5.588 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

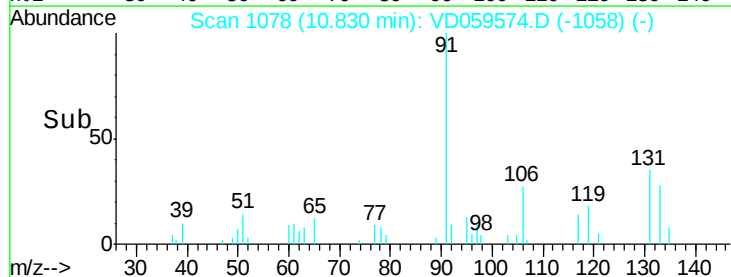
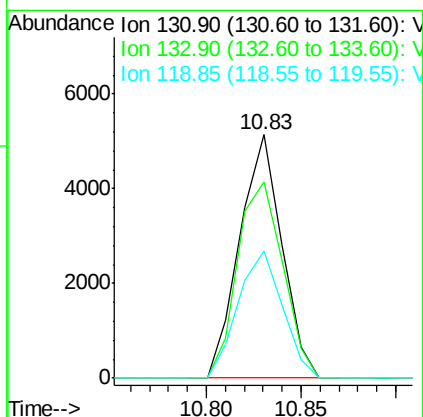
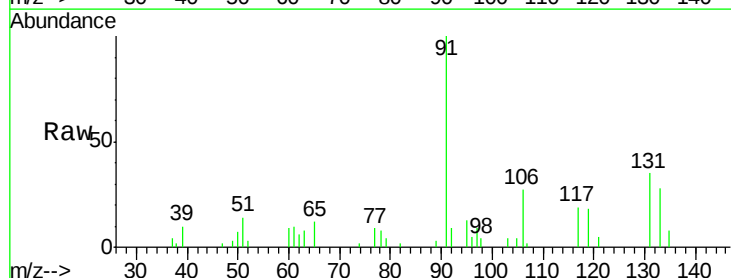
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

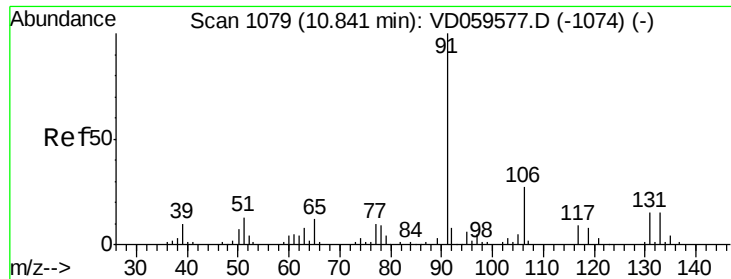
Tot Ion:112 Resp: 18334
Ion Ratio Lower Upper
112 100
114 33.2 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.686 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion:131 Resp: 7947
Ion Ratio Lower Upper
131 100
133 80.7 47.9 143.7
119 52.4 28.7 86.1

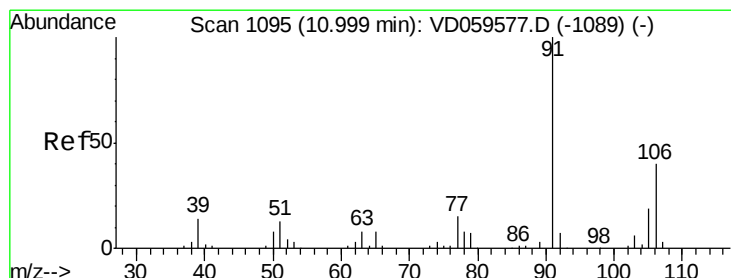
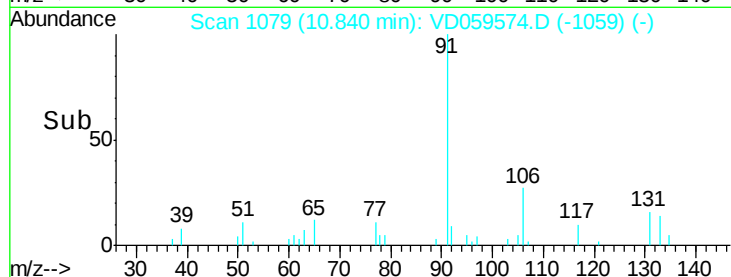
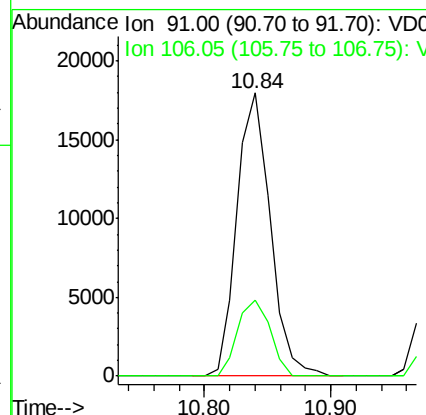
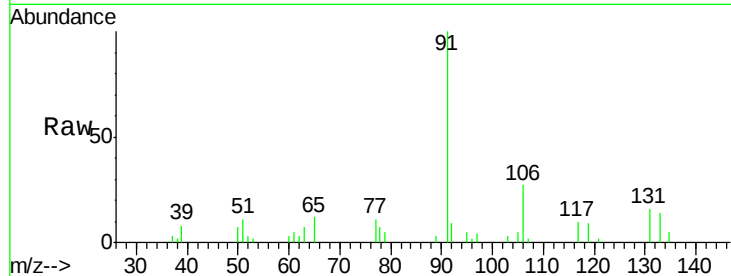




#67
Ethyl Benzene
Concen: 6.681 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

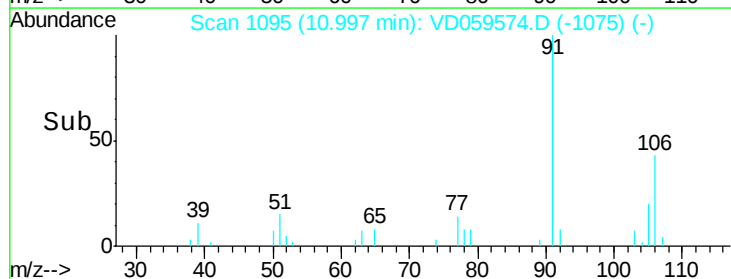
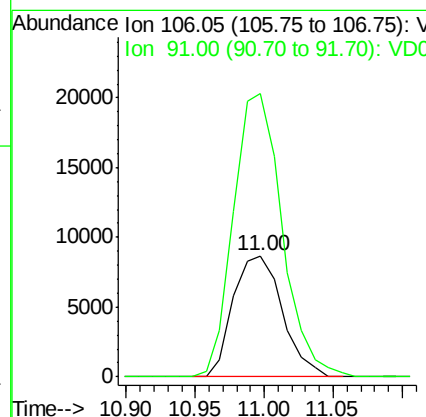
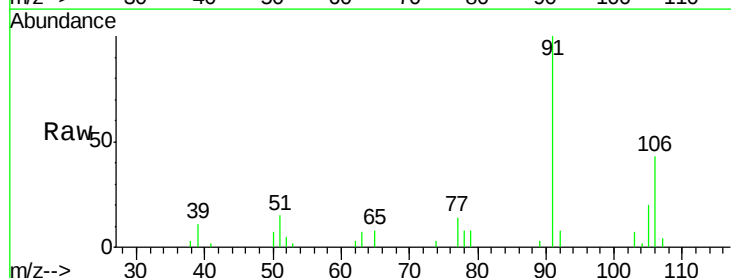
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 32793
Ion Ratio Lower Upper
91 100
106 26.8 21.6 32.4



#68
m/p-Xylenes
Concen: 12.022 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 106 Resp: 21533
Ion Ratio Lower Upper
106 100
91 233.8 198.2 297.4

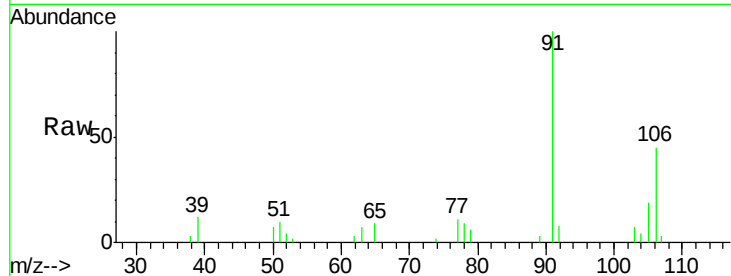




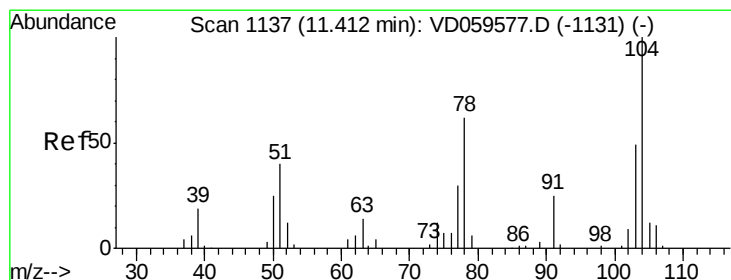
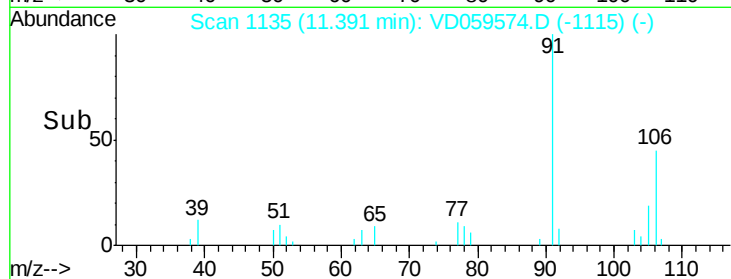
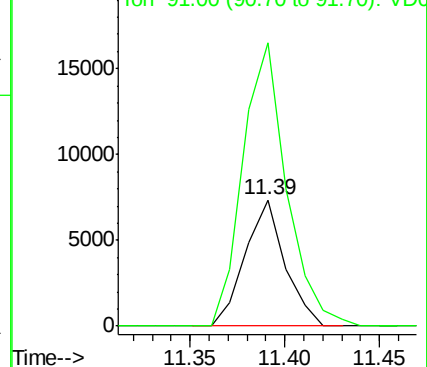
#69
o-Xylene
Concen: 6.124 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 10672
Ion Ratio Lower Upper
106 100
91 224.5 122.7 368.1

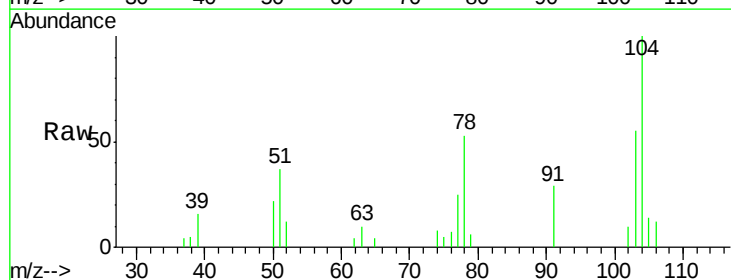


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

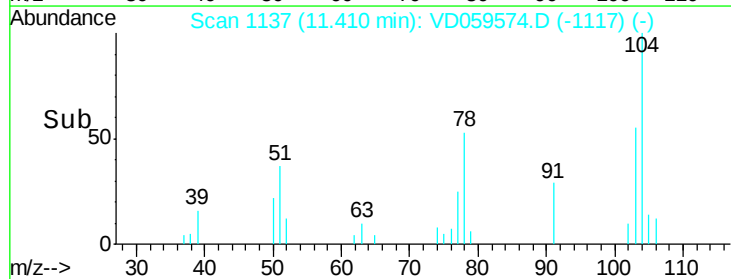
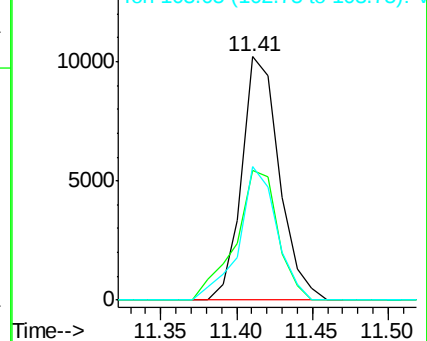


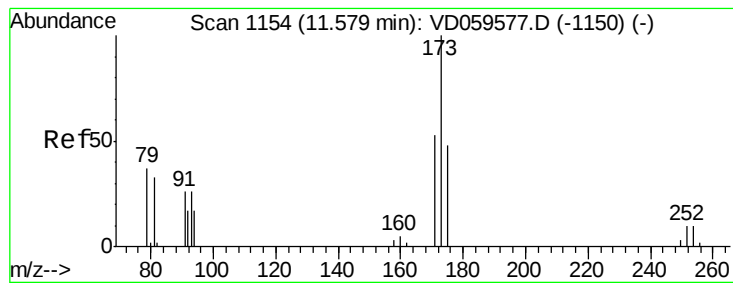
#70
Styrene
Concen: 6.100 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion:104 Resp: 17566
Ion Ratio Lower Upper
104 100
78 53.2 49.4 74.0
103 55.1 39.0 58.6



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





#71

Bromoform

Concen: 4.148 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

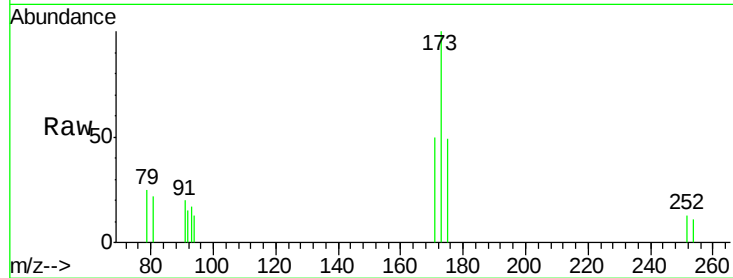
Tot Ion:173 Resp: 5348

Ion Ratio Lower Upper

173 100

175 49.4 23.8 71.4

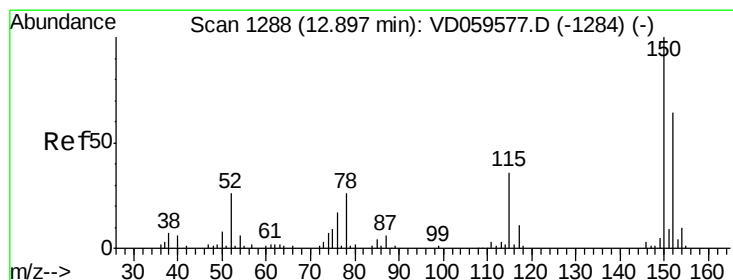
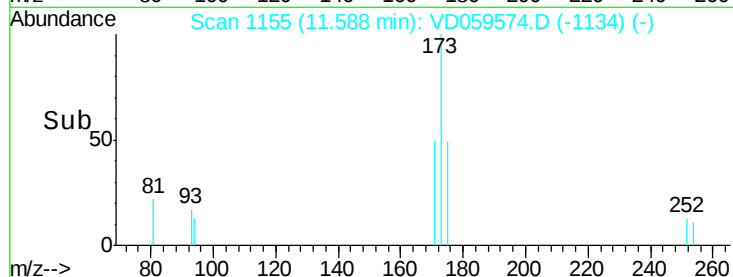
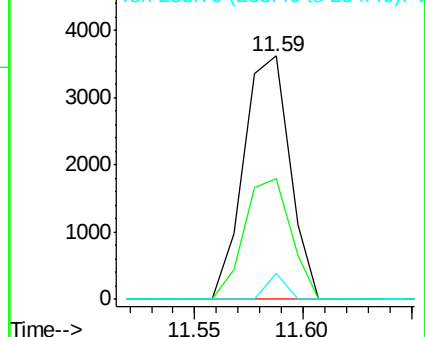
254 10.7 7.8 11.6



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: VD059574.D

Acq: 24 Jul 2018 16:48

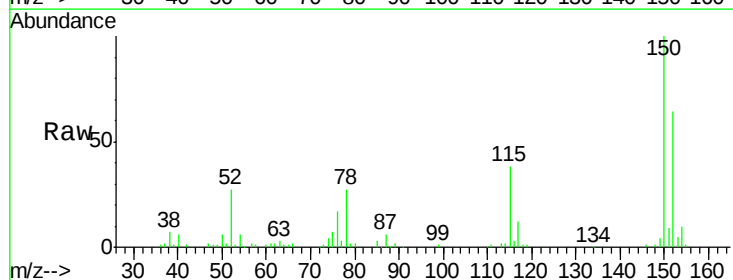
Tgt Ion:152 Resp: 82247

Ion Ratio Lower Upper

152 100

115 58.6 29.5 88.6

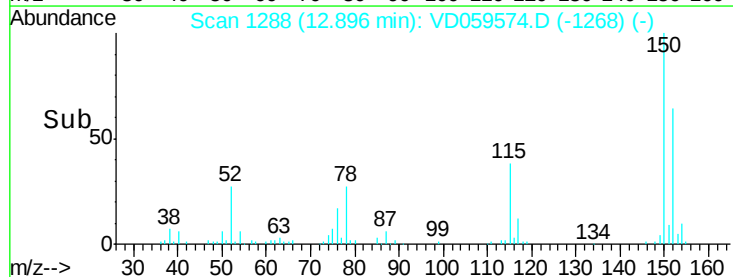
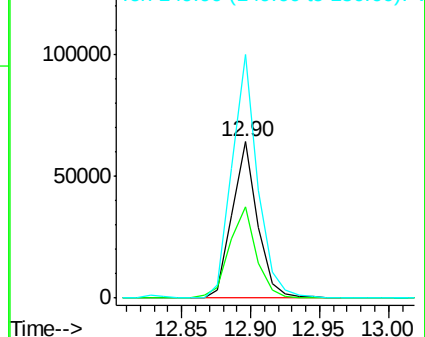
150 155.8 0.0 314.4

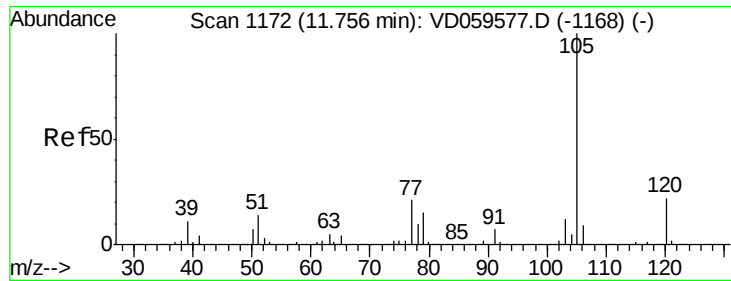


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

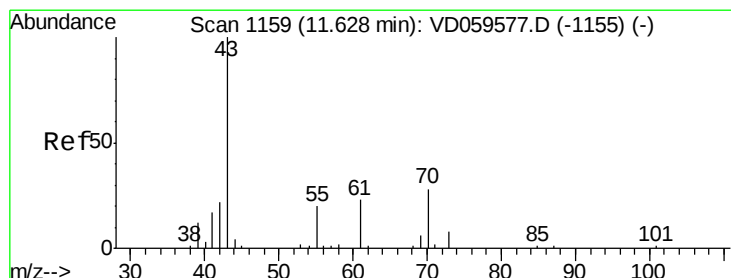
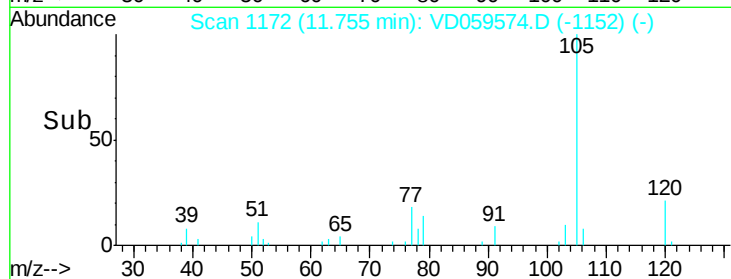
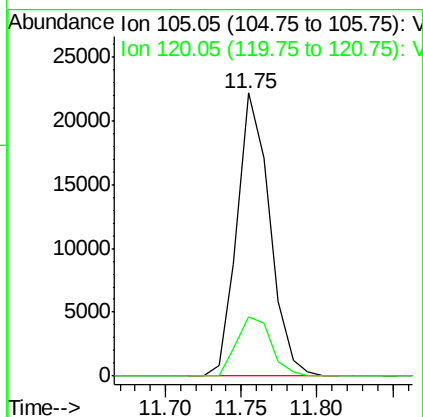
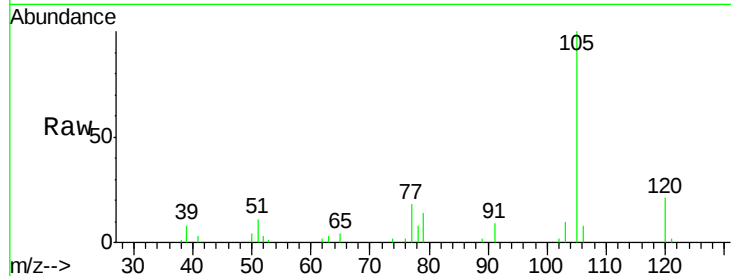




#73
Isopropylbenzene
Concen: 7.535 ug/l
RT: 11.75 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

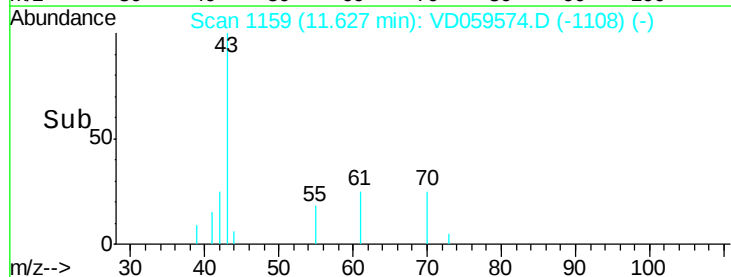
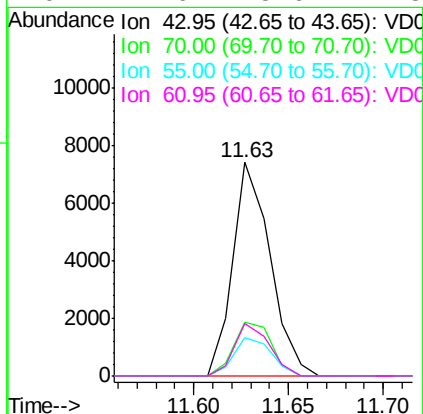
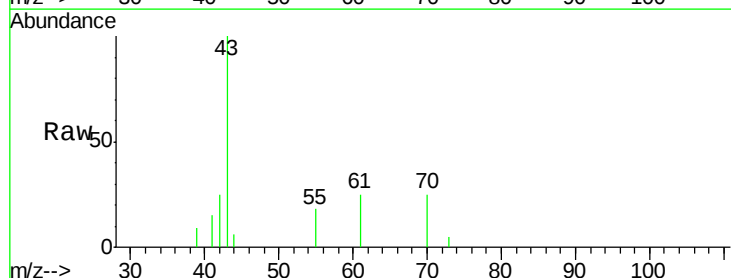
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

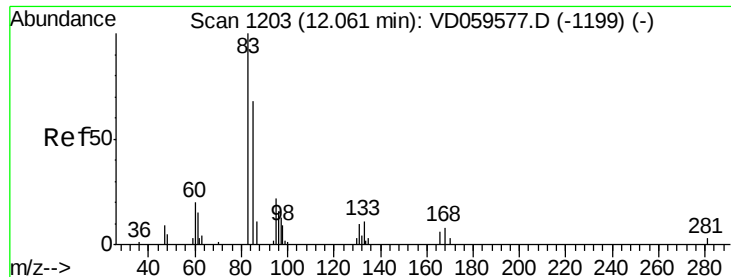
Tot Ion:105 Resp: 33209
Ion Ratio Lower Upper
105 100
120 20.8 10.9 32.7



#74
N-ethyl acetate
Concen: 8.554 ug/l
RT: 11.63 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 43 Resp: 10081
Ion Ratio Lower Upper
43 100
70 25.4 22.0 33.0
55 17.9 16.2 24.2
61 24.6 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 6.958 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

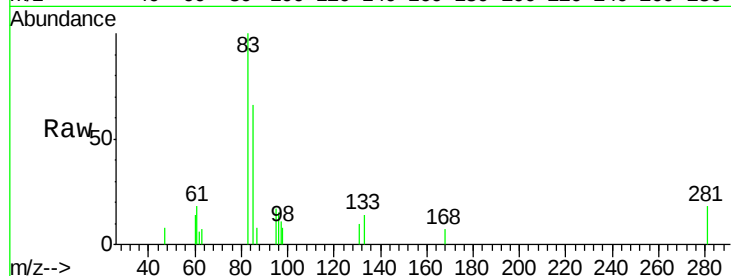
Tot Ion: 83 Resp: 6179

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

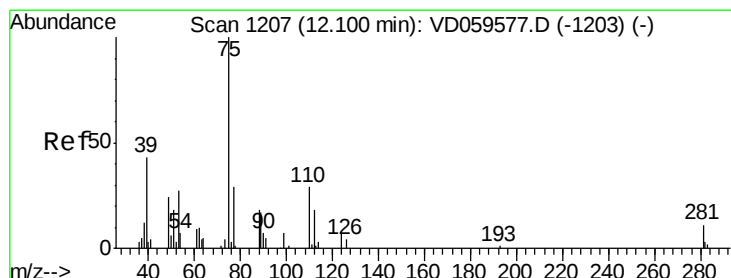
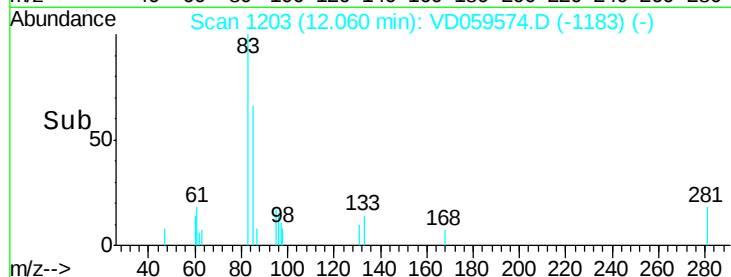
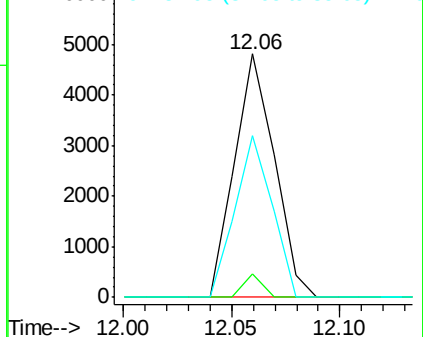
85 66.3 34.1 102.3



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: 7.181 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059574.D

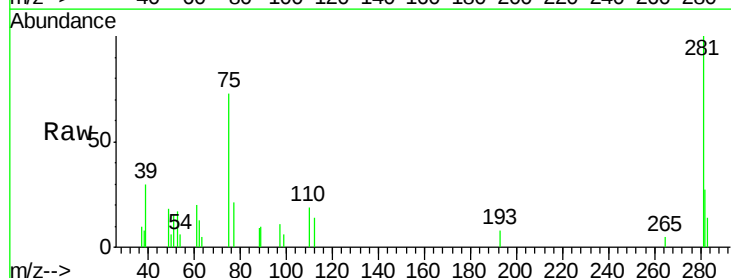
Acq: 24 Jul 2018 16:48

Tgt Ion: 75 Resp: 6573

Ion Ratio Lower Upper

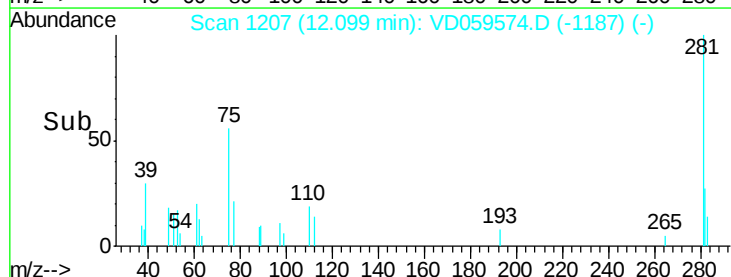
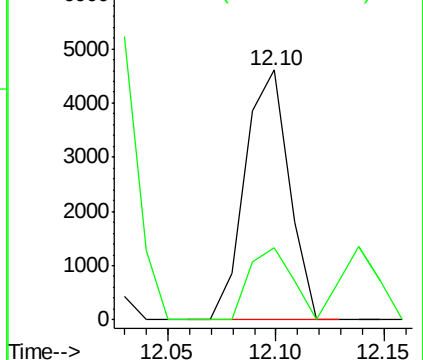
75 100

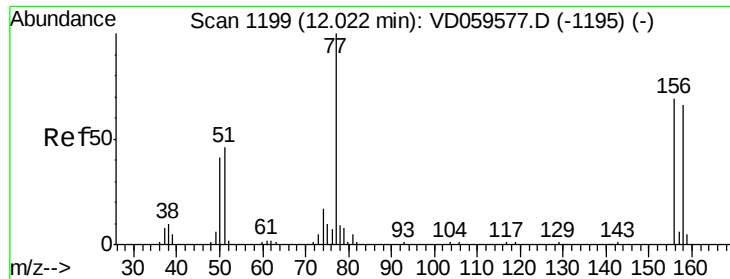
77 29.1 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

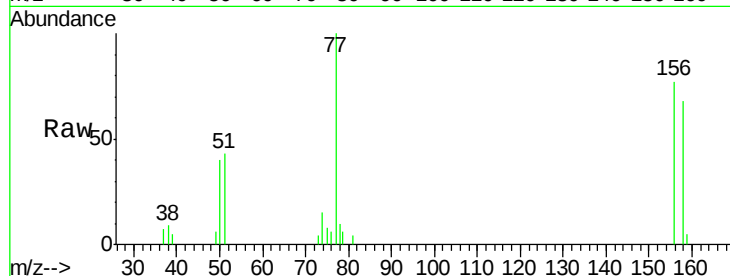




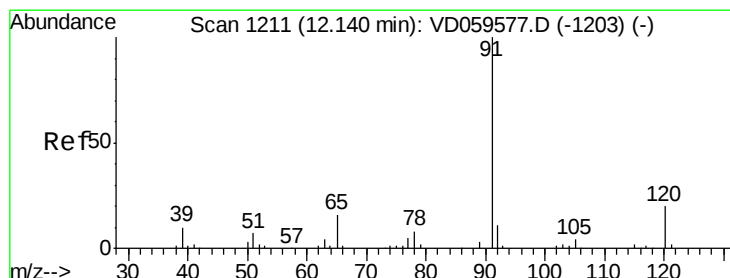
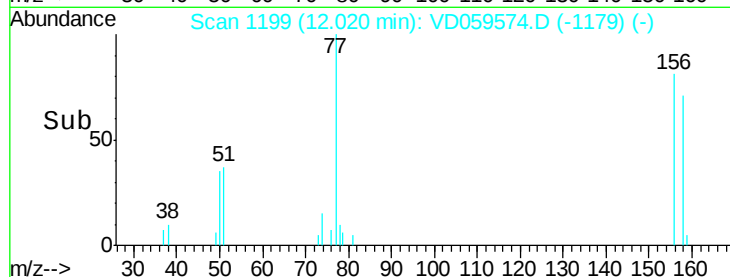
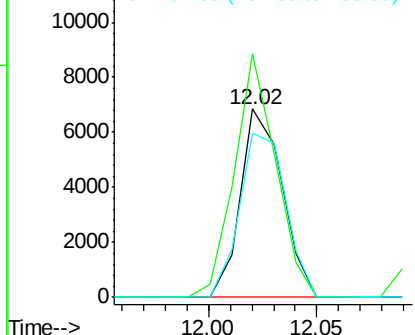
#77
Bromobenzene
Concen: 5.325 ug/l
RT: 12.02 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:156 Resp: 9168
Ion Ratio Lower Upper
156 100
77 129.2 72.4 217.2
158 87.4 48.0 144.2

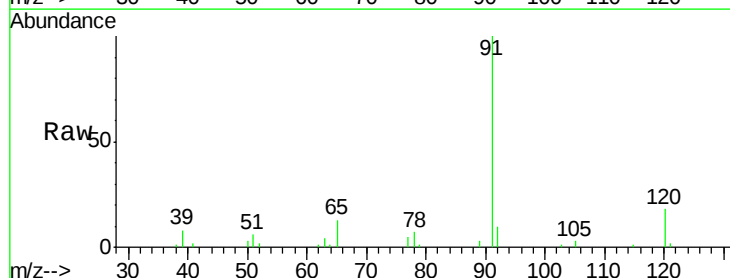


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

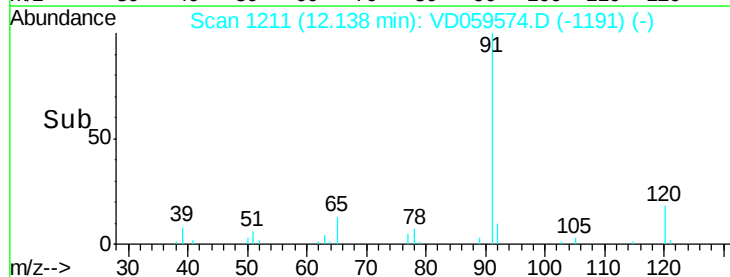
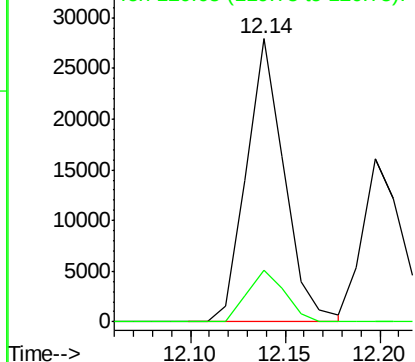


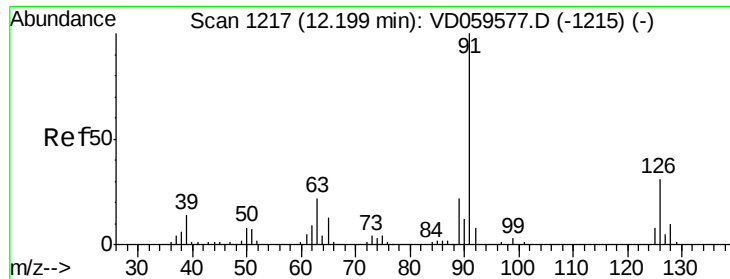
#78
n-propylbenzene
Concen: 7.584 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 91 Resp: 38681
Ion Ratio Lower Upper
91 100
120 18.2 9.9 29.7



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

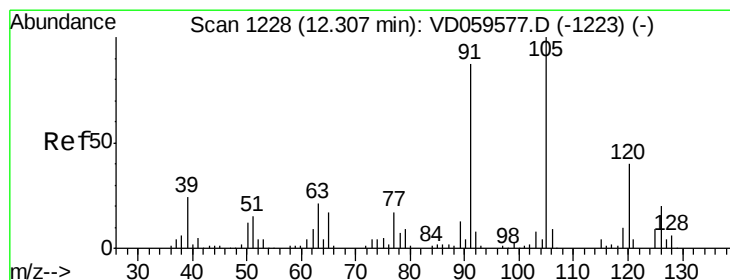
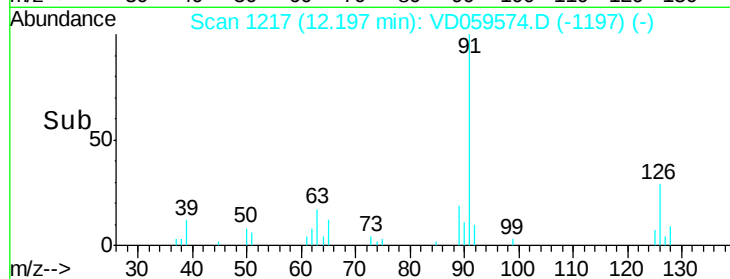
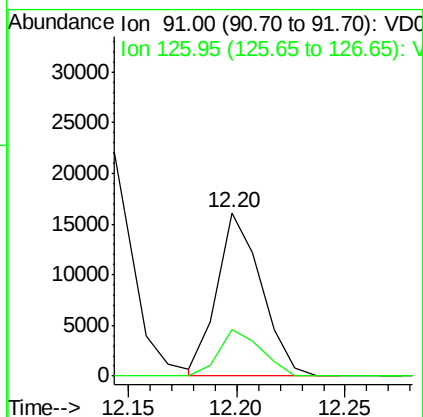
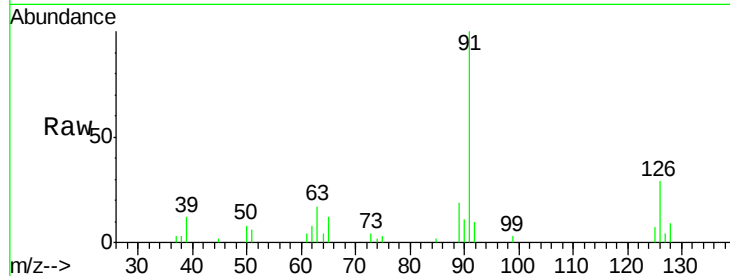




#79
 2-Chlorotoluene
 Concen: 7.601 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

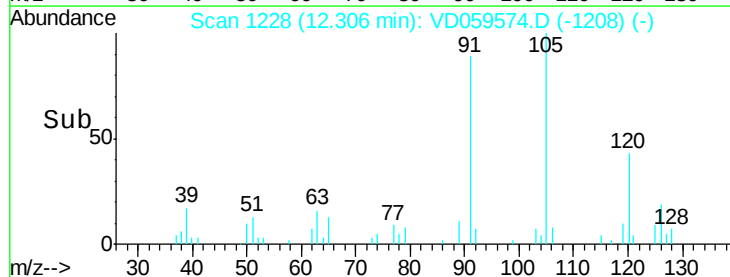
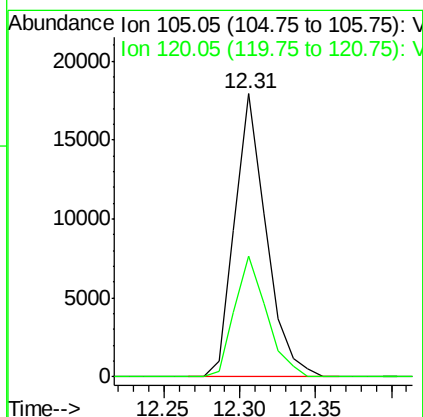
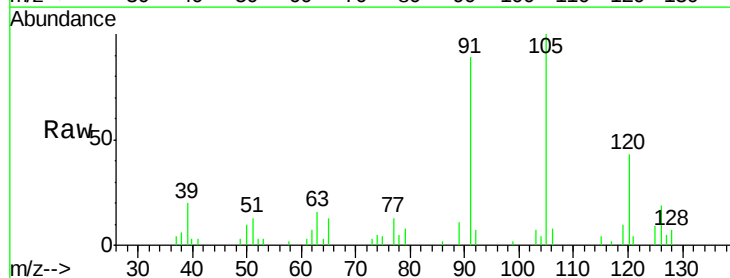
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

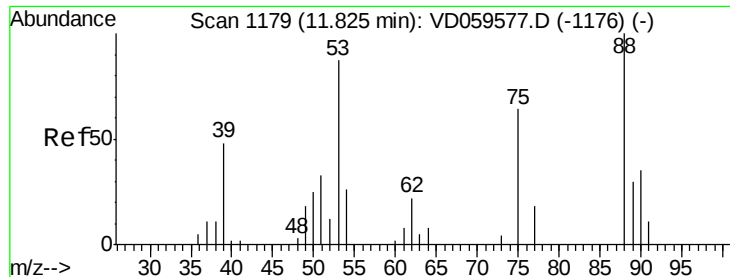
Tot Ion: 91 Resp: 23074
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 7.597 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Tgt Ion: 105 Resp: 25902
 Ion Ratio Lower Upper
 105 100
 120 42.7 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 7.270 ug/l

RT: 11.82 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD059574.D

Acq: 24 Jul 2018 16:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

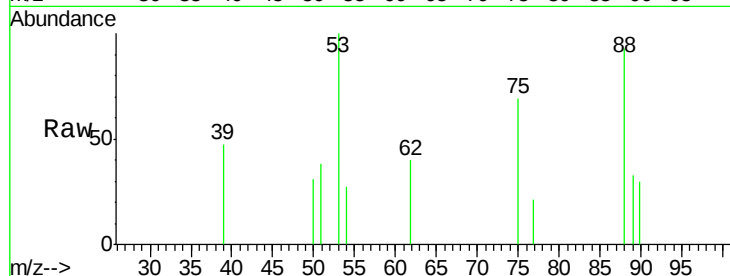
Tot Ion: 75 Resp: 1455

Ion Ratio Lower Upper

75 100

53 144.3 107.7 161.5

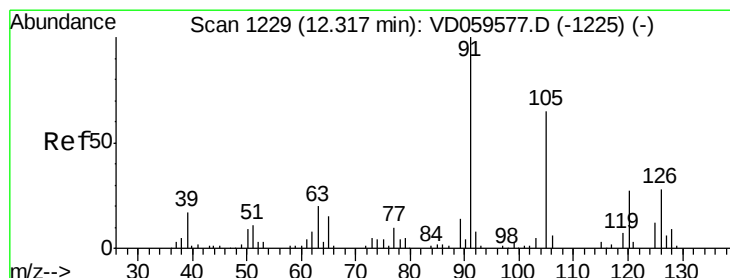
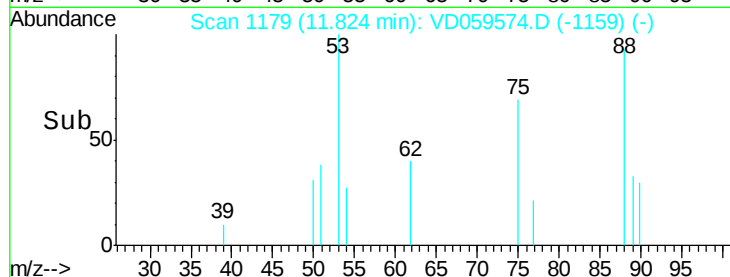
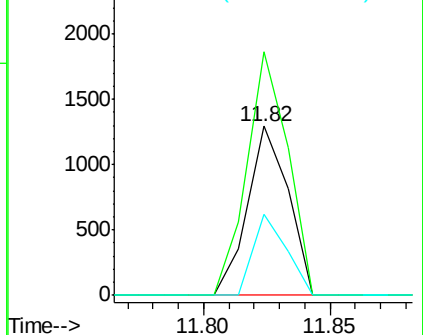
89 47.7 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 7.880 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059574.D

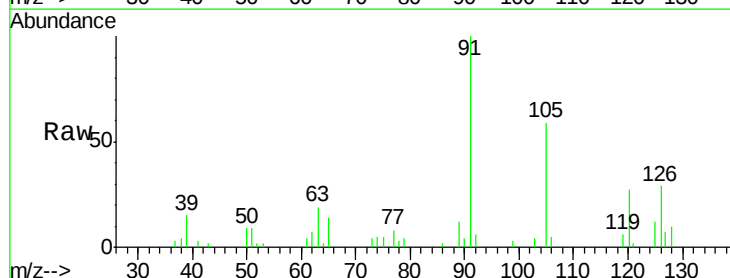
Acq: 24 Jul 2018 16:48

Tgt Ion: 91 Resp: 26602

Ion Ratio Lower Upper

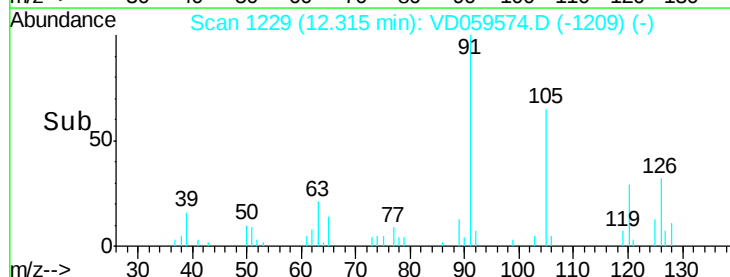
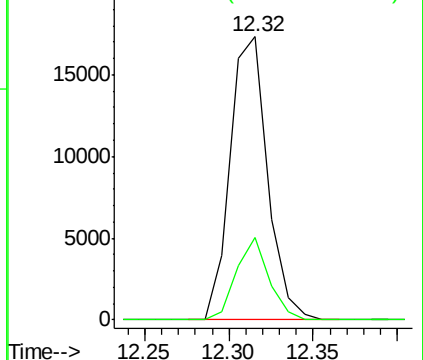
91 100

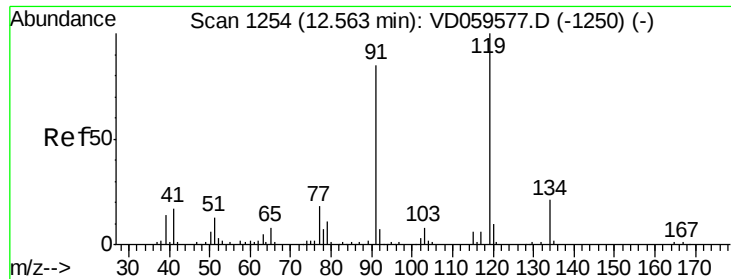
126 29.1 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

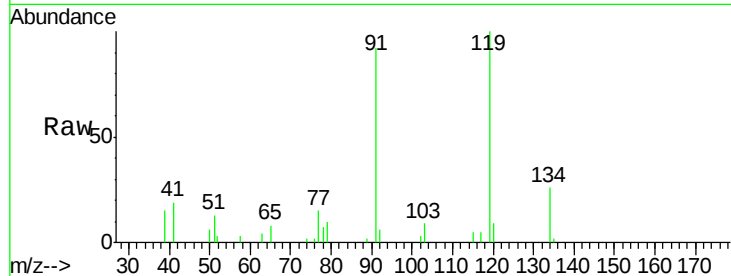




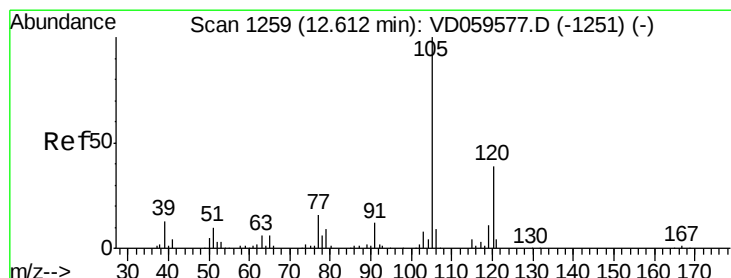
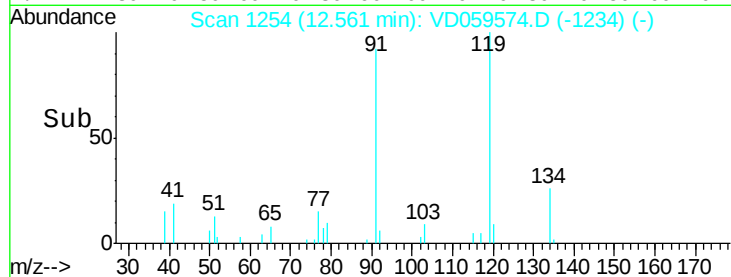
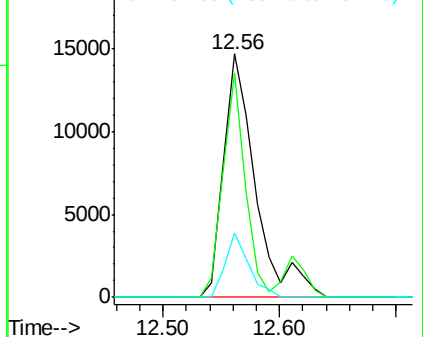
#83
tert-Butylbenzene
Concen: 7.476 ug/l
RT: 12.56 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 27917
Ion Ratio Lower Upper
119 100
91 92.2 42.5 127.5
134 26.3 10.5 31.6

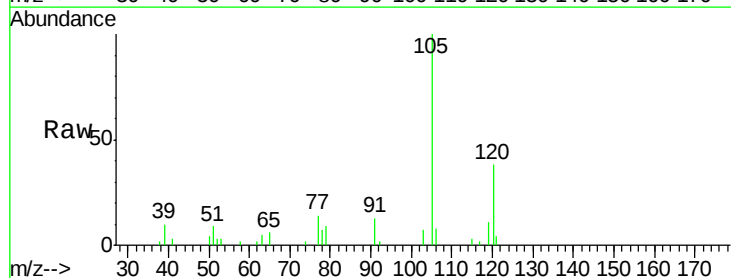


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

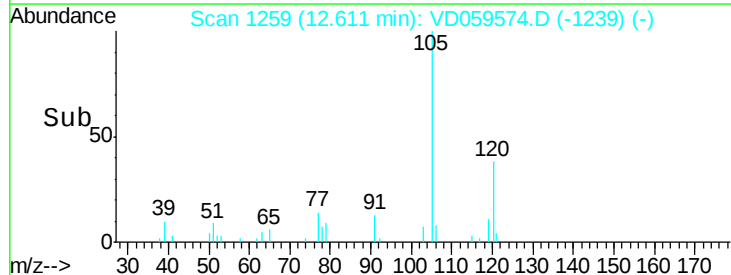
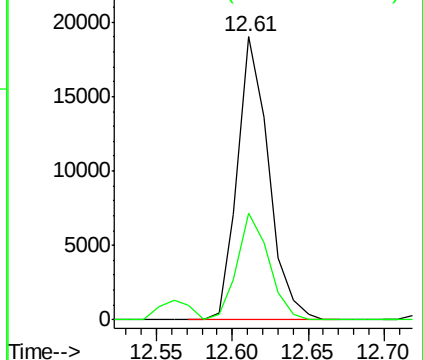


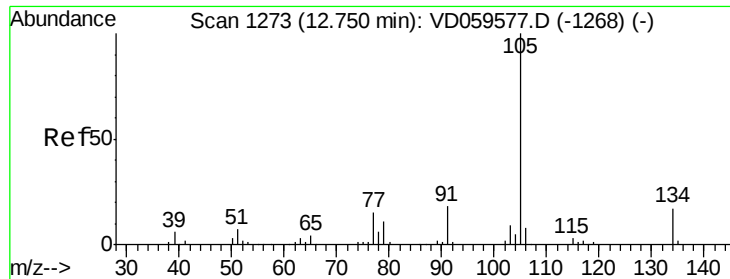
#84
1,2,4-Trimethylbenzene
Concen: 7.677 ug/l
RT: 12.61 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion:105 Resp: 27179
Ion Ratio Lower Upper
105 100
120 37.8 19.3 57.9



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

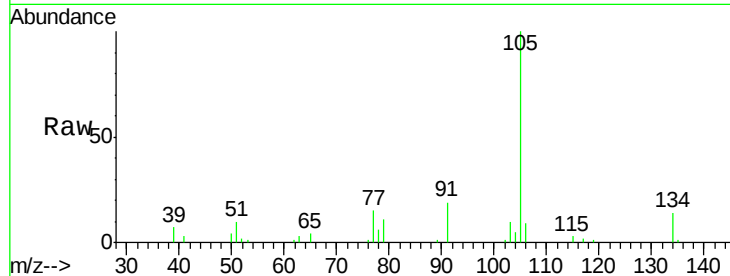




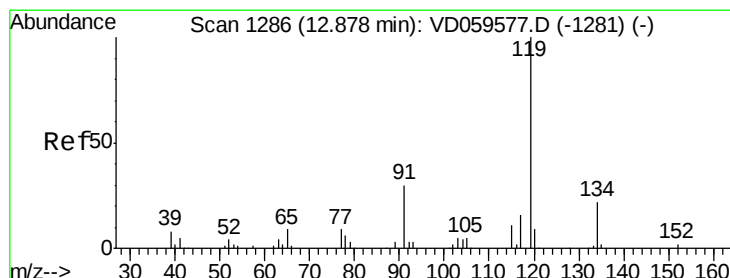
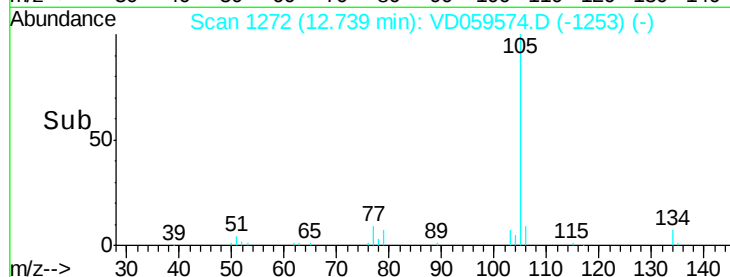
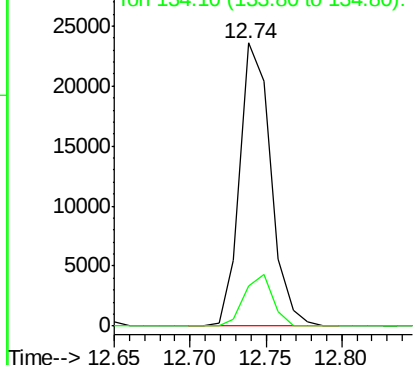
#85
 sec-Butylbenzene
 Concen: 7.991 ug/l
 RT: 12.74 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion:105 Resp: 33684
 Ion Ratio Lower Upper
 105 100
 134 14.2 8.8 26.2

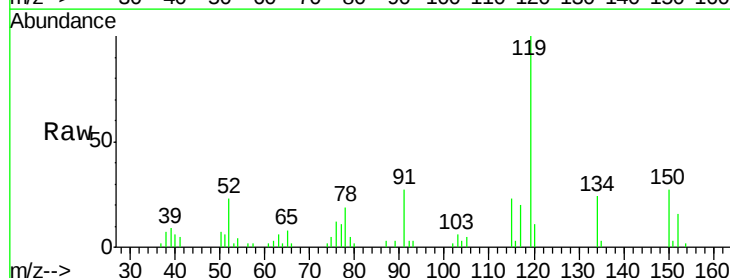


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

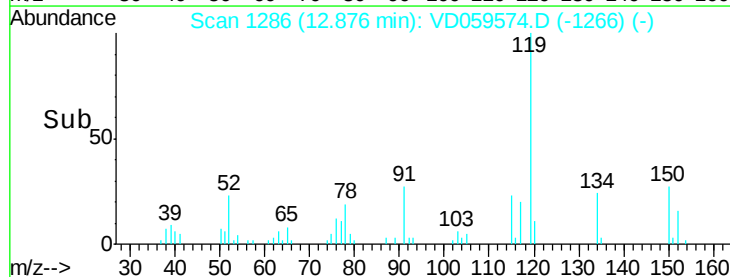
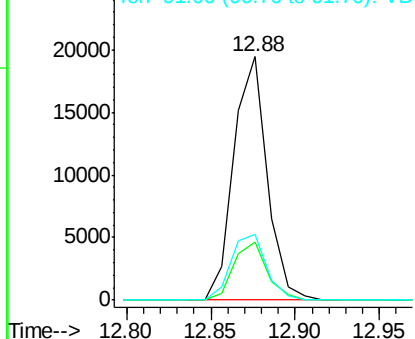


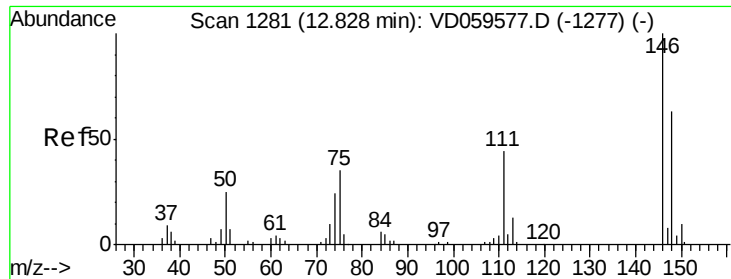
#86
 p-Isopropyltoluene
 Concen: 6.923 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Tgt Ion:119 Resp: 26705
 Ion Ratio Lower Upper
 119 100
 134 23.8 11.2 33.6
 91 27.0 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

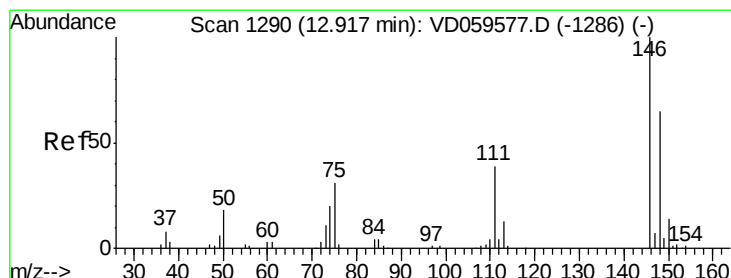
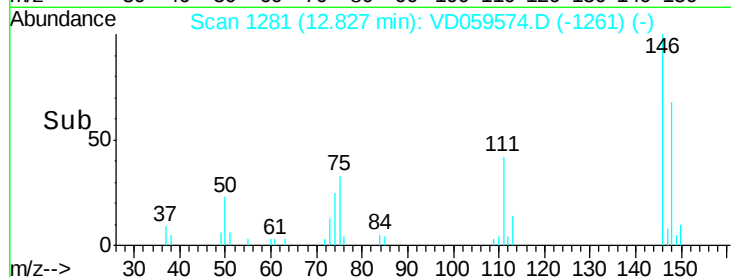
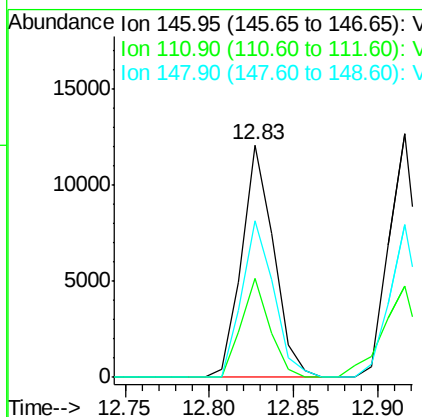
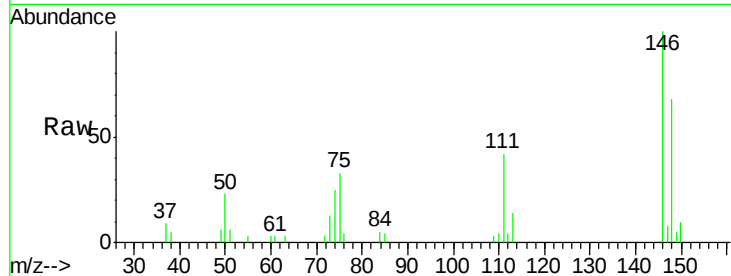




#87
 1,3-Dichlorobenzene
 Concen: 5.700 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

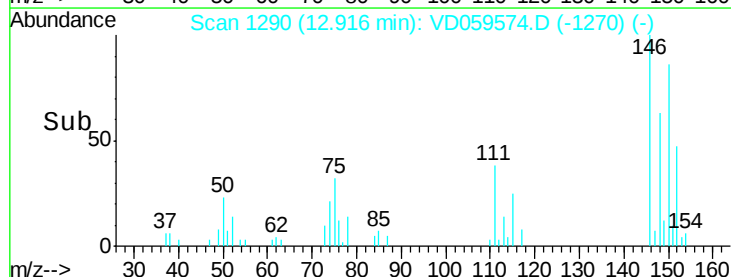
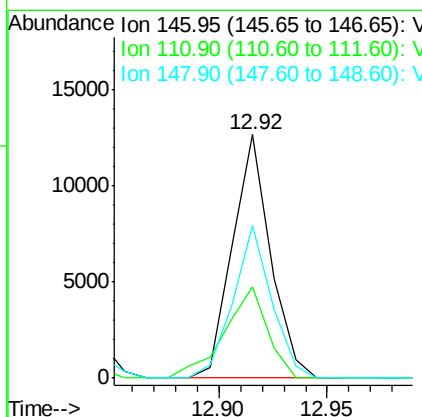
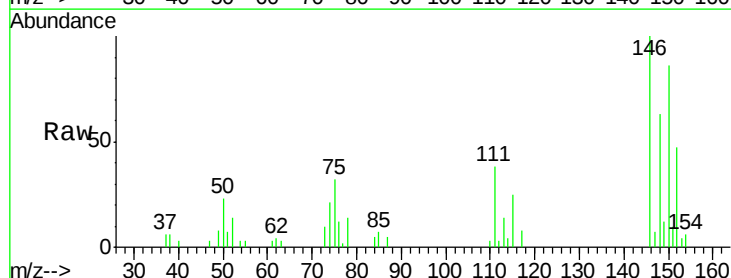
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

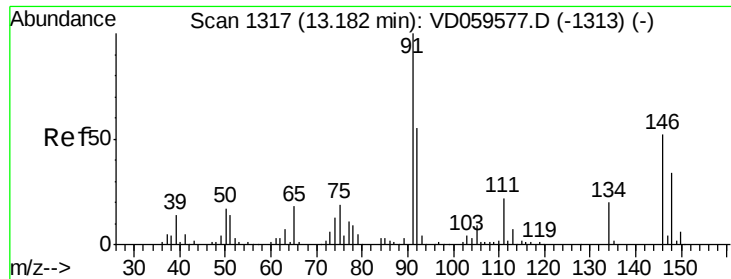
Tot Ion:146 Resp: 15889
 Ion Ratio Lower Upper
 146 100
 111 42.4 22.2 66.6
 148 67.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 5.640 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Tgt Ion:146 Resp: 15406
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.3 57.9
 148 62.8 32.4 97.2

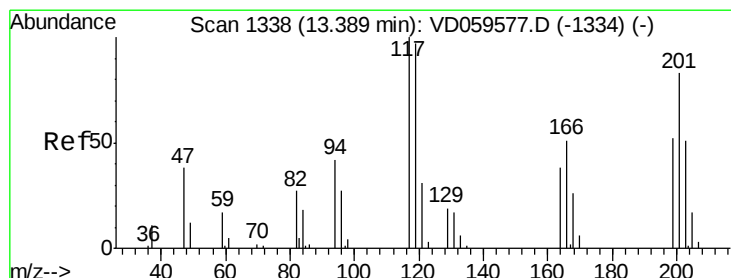
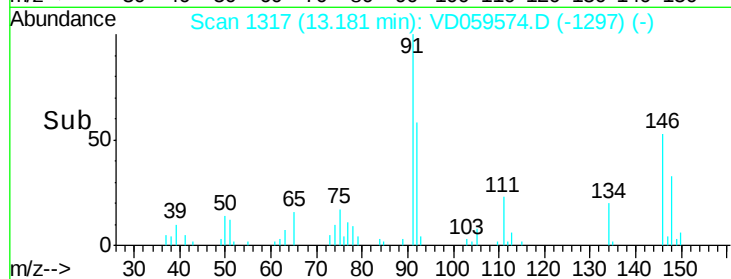
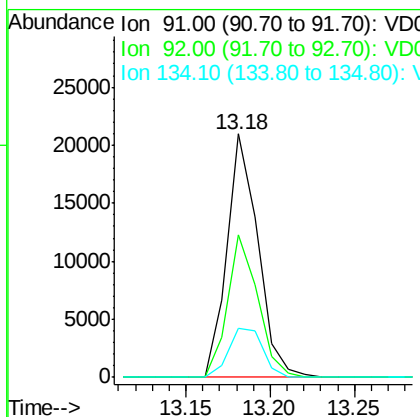
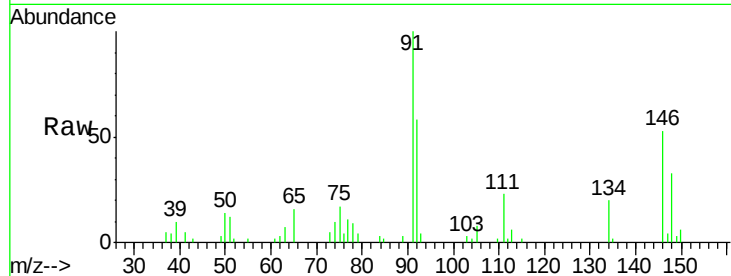




#89
n-Butylbenzene
Concen: 8.289 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

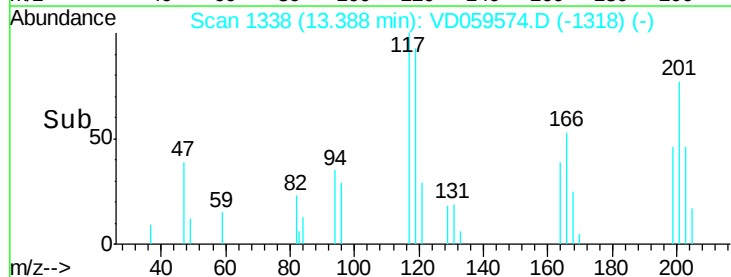
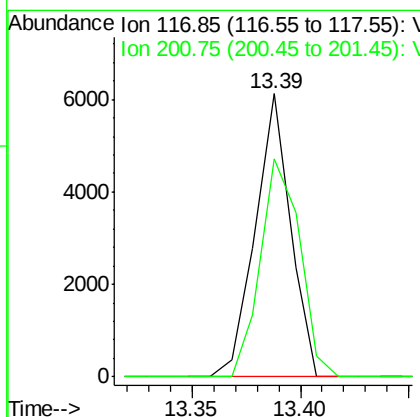
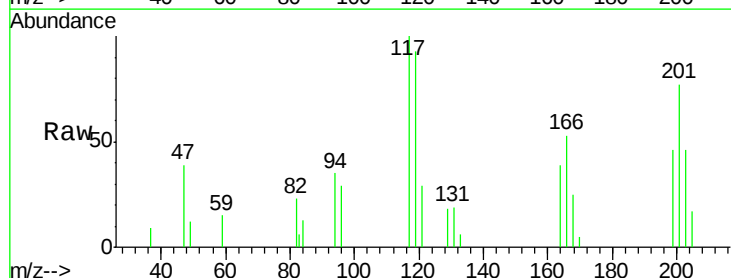
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

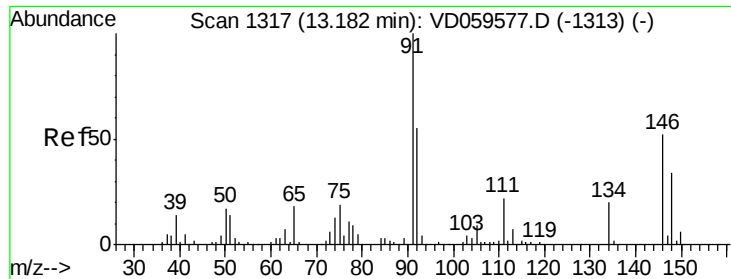
Tot Ion: 91 Resp: 26718
Ion Ratio Lower Upper
91 100
92 58.3 27.6 82.7
134 20.3 10.1 30.3



#90
Hexachloroethane
Concen: 6.660 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion: 117 Resp: 6880
Ion Ratio Lower Upper
117 100
201 76.9 41.5 124.5

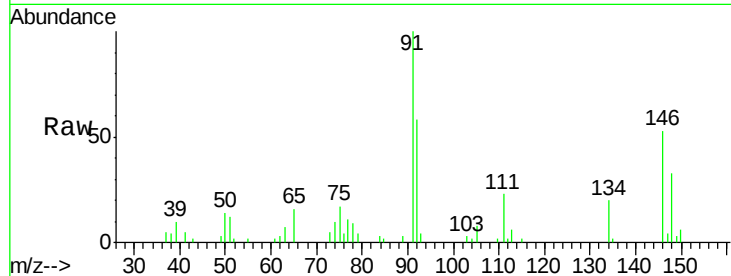




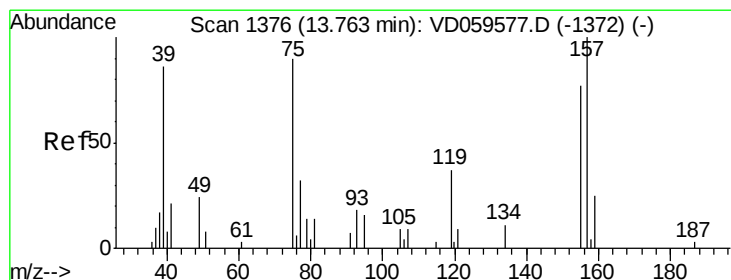
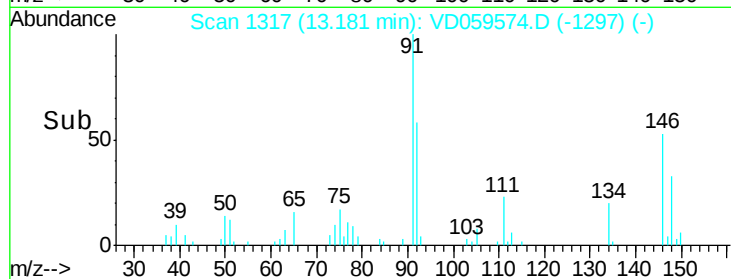
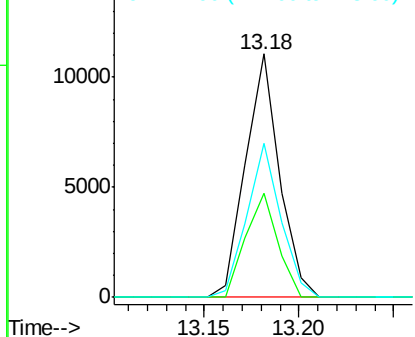
#91
 1,2-Dichlorobenzene
 Concen: 5.952 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 13722
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.4 64.3
 148 63.2 32.6 98.0

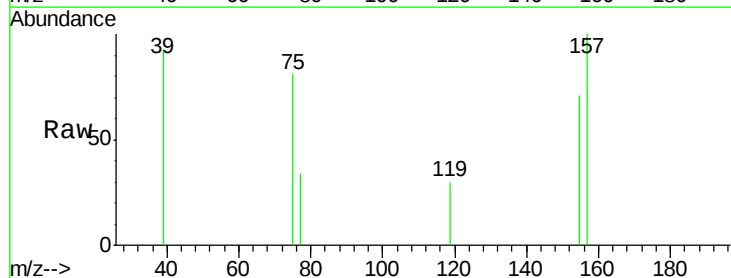


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

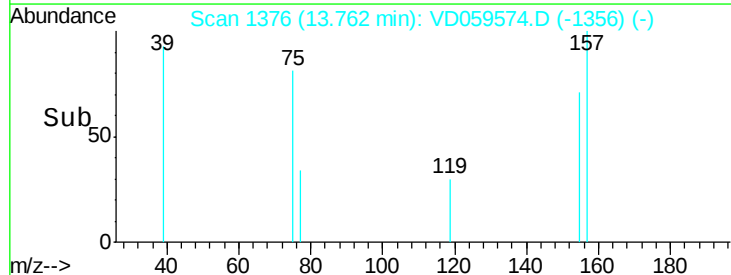
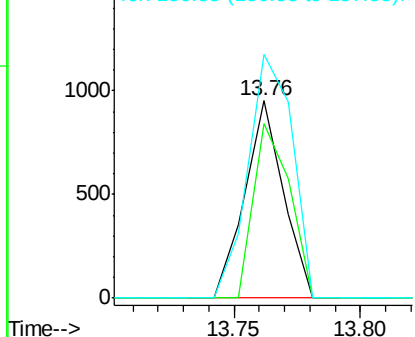


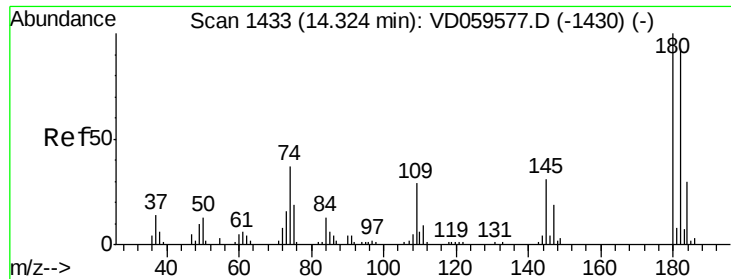
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.781 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Tgt Ion: 75 Resp: 1010
 Ion Ratio Lower Upper
 75 100
 155 88.1 42.5 127.5
 157 123.3 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

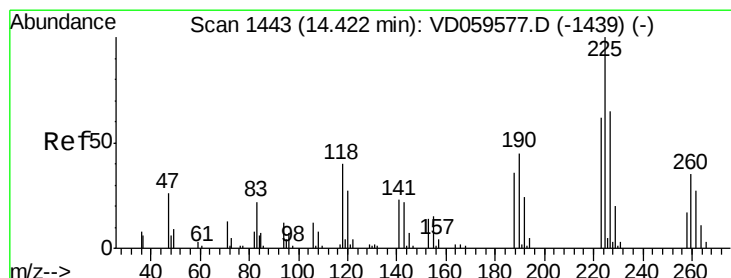
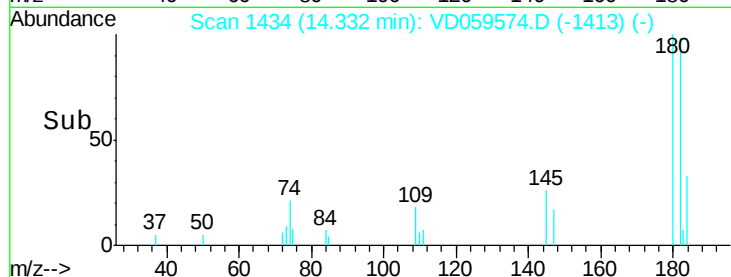
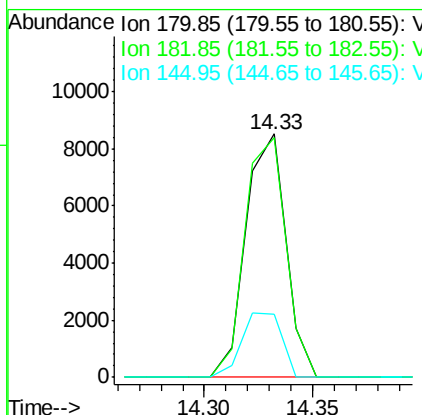
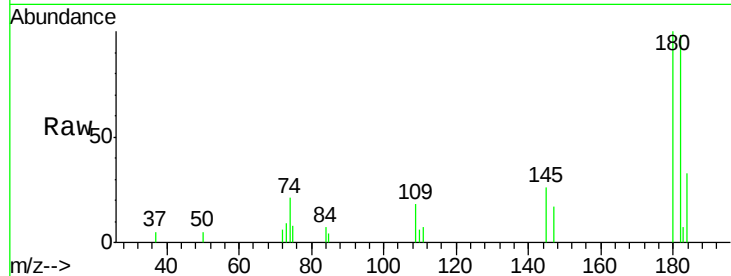




#93
 1,2,4-Trichlorobenzene
 Concen: 5.451 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

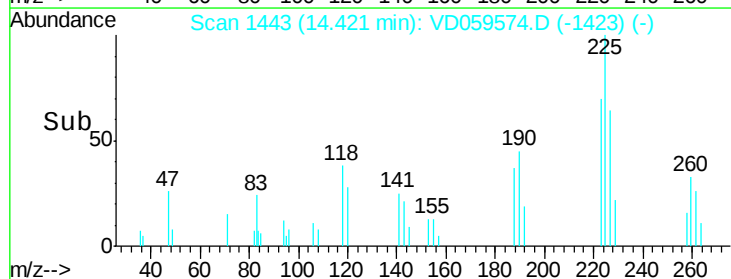
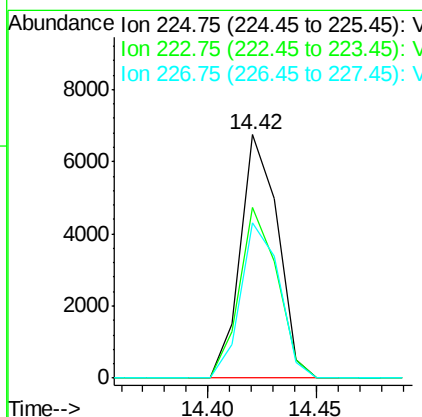
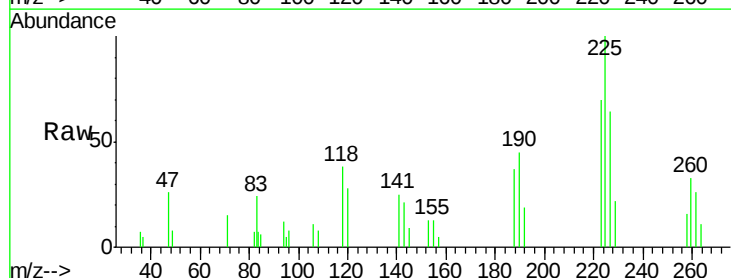
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

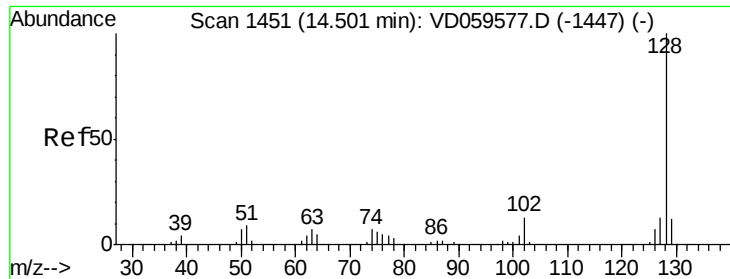
Tot Ion:180 Resp: 10918
 Ion Ratio Lower Upper
 180 100
 182 98.3 46.4 139.2
 145 26.1 15.7 47.0



#94
 Hexachlorobutadiene
 Concen: 5.518 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059574.D
 Acq: 24 Jul 2018 16:48

Tgt Ion:225 Resp: 8118
 Ion Ratio Lower Upper
 225 100
 223 69.9 31.1 93.5
 227 63.7 32.4 97.2

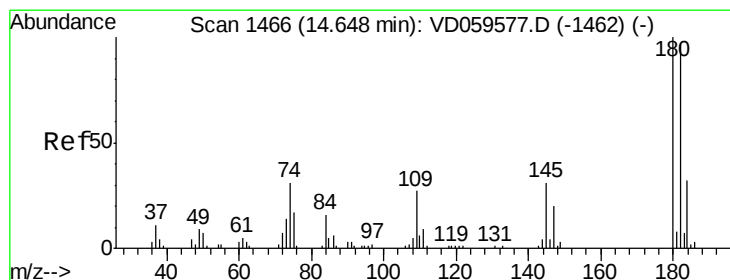
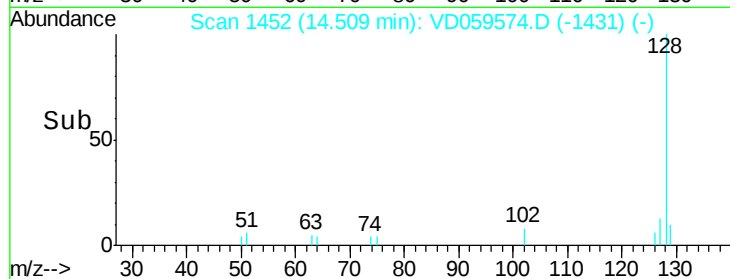
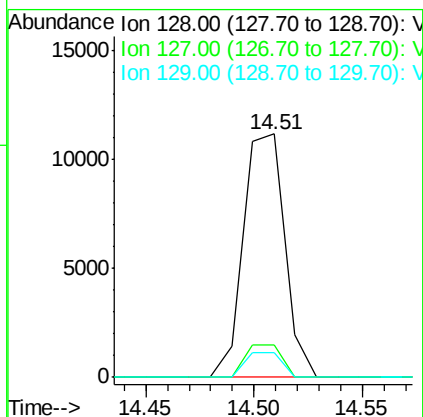
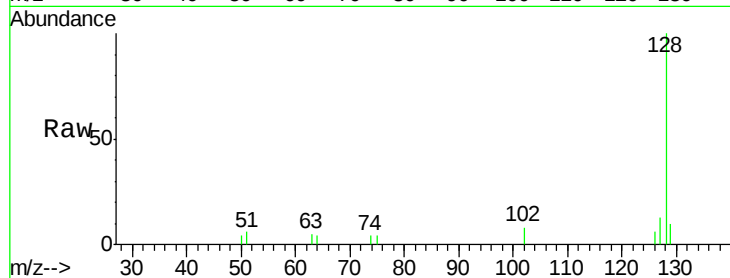




#95
Naphthalene
Concen: 6.184 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 15006
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.2 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 5.313 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059574.D
Acq: 24 Jul 2018 16:48

Tgt Ion:180 Resp: 9471
Ion Ratio Lower Upper
180 100
182 102.4 48.6 145.9
145 32.3 15.6 46.7

