

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059982.D
 Acq On : 6 Sep 2018 13:34
 Operator : JC/SY
 Sample : VD0906SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

Quant Time: Sep 07 03:44:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1199141	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1592910	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1359371	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	749853	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	490046	48.49	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	6.30	113	660198	52.86	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	9.44	98	1792389	51.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.42	95	715829	50.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	139850	13.05	ug/l	98
3) Chloromethane	1.73	50	152366	15.69	ug/l	95
4) Vinyl Chloride	1.82	62	131219	17.23	ug/l	99
5) Bromomethane	2.11	94	11462	8.72	ug/l	99
6) Chloroethane	2.22	64	33675	12.18	ug/l	95
7) Trichlorofluoromethane	2.47	101	166459	18.90	ug/l	100
8) Diethyl Ether	2.80	74	36113	18.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.05	101	121469	22.52	ug/l	96
10) Methyl Iodide	3.21	142	93404	18.59	ug/l	93
11) Tert butyl alcohol	3.96	59	86438	112.09	ug/l	99
12) 1,1-Dichloroethene	3.03	96	83975	20.00	ug/l	96
13) Acrolein	2.95	56	19572	58.51	ug/l	92
14) Allyl chloride	3.50	41	197609	20.80	ug/l	99
15) Acrylonitrile	4.06	53	315103	109.11	ug/l	99
16) Acetone	3.13	43	183886	99.86	ug/l	96
17) Carbon Disulfide	3.28	76	195340	14.99	ug/l	98
18) Methyl Acetate	3.53	43	71516	18.60	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	492455	20.73	ug/l	100
20) Methylene Chloride	3.68	84	262006	19.01	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	224063	19.36	ug/l	96
22) Diisopropyl ether	4.82	45	1044817	21.56	ug/l	99
23) Vinyl Acetate	4.78	43	3005202	110.95	ug/l	99
24) 1,1-Dichloroethane	4.73	63	438553	20.95	ug/l	99
25) 2-Butanone	5.60	43	499141	91.53	ug/l	97
26) 2,2-Dichloropropane	5.55	77	357748	20.44	ug/l	96
27) cis-1,2-Dichloroethene	5.56	96	275939	21.78	ug/l	98
28) Bromochloromethane	5.90	49	209020	20.83	ug/l	92
29) Tetrahydrofuran	5.94	42	279951	107.83	ug/l	99
30) Chloroform	6.07	83	463933	21.81	ug/l	97
31) Cyclohexane	6.34	56	347954	18.08	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	366672	20.31	ug/l	96
36) 1,1-Dichloropropene	6.50	75	305723	21.17	ug/l	99
37) Ethyl Acetate	5.67	43	249320	22.19	ug/l	98
38) Carbon Tetrachloride	6.48	117	298876	20.51	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059982.D
 Acq On : 6 Sep 2018 13:34
 Operator : JC/SY
 Sample : VD0906SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0906SBSD01

Quant Time: Sep 07 03:44:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	314761	20.18	ug/l	96
40) Benzene	6.77	78	820474	21.85	ug/l	98
41) Methacrylonitrile	5.93	41	286865	50.68	ug/l #	80
42) 1,2-Dichloroethane	6.87	62	260415	21.61	ug/l	98
43) Isopropyl Acetate	8.33	43	321286	21.98	ug/l #	98
44) Trichloroethene	7.72	130	249125	22.54	ug/l	99
45) 1,2-Dichloropropane	8.08	63	232456	22.15	ug/l	99
46) Dibromomethane	8.20	93	144984	21.49	ug/l #	87
47) Bromodichloromethane	8.48	83	325825	21.33	ug/l	98
48) Methyl methacrylate	8.23	41	180974	21.24	ug/l	97
49) 1,4-Dioxane	8.21	88	36006	473.27	ug/l #	92
51) 4-Methyl-2-Pentanone	9.33	43	1053794	96.69	ug/l	98
52) Toluene	9.53	92	539533	22.41	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	299126	21.17	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	359276	21.93	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	196197	22.29	ug/l	97
56) Ethyl methacrylate	10.02	69	225952	22.25	ug/l	98
57) 1,3-Dichloropropane	10.37	76	292639	22.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	593863	121.88	ug/l	96
59) 2-Hexanone	10.47	43	790628	98.36	ug/l	96
60) Dibromochloromethane	10.63	129	244360	22.09	ug/l	99
61) 1,2-Dibromoethane	10.75	107	201112	22.60	ug/l	97
64) Tetrachloroethene	10.24	164	228776	21.77	ug/l	98
65) Chlorobenzene	11.30	112	623693	23.09	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.41	131	228641	23.17	ug/l	98
67) Ethyl Benzene	11.42	91	1072860	23.61	ug/l	99
68) m/p-Xylenes	11.56	106	772123	46.66	ug/l	96
69) o-Xylene	11.93	106	369653	22.84	ug/l	97
70) Styrene	11.95	104	640054	22.84	ug/l	99
71) Bromoform	12.11	173	171490	20.08	ug/l	99
73) Isopropylbenzene	12.26	105	1023618	21.38	ug/l	100
74) N-amyl acetate	12.13	43	415515	19.83	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	239818	21.66	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	240375	20.63	ug/l	100
77) Bromobenzene	12.53	156	293140	22.09	ug/l	99
78) n-propylbenzene	12.63	91	1257806	20.75	ug/l	97
79) 2-Chlorotoluene	12.70	91	725812	21.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	836924	21.99	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	67693	18.67	ug/l	97
82) 4-Chlorotoluene	12.81	91	845896	21.64	ug/l	99
83) tert-Butylbenzene	13.04	119	948544	21.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	851070	21.46	ug/l	97
85) sec-Butylbenzene	13.22	105	1117681	21.92	ug/l	96
86) p-Isopropyltoluene	13.34	119	908098	21.90	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	525389	22.17	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	538471	22.78	ug/l	99
89) n-Butylbenzene	13.64	91	933279	20.89	ug/l	98
90) Hexachloroethane	13.85	117	217600	19.55	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	471850	23.42	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32058	18.83	ug/l	95

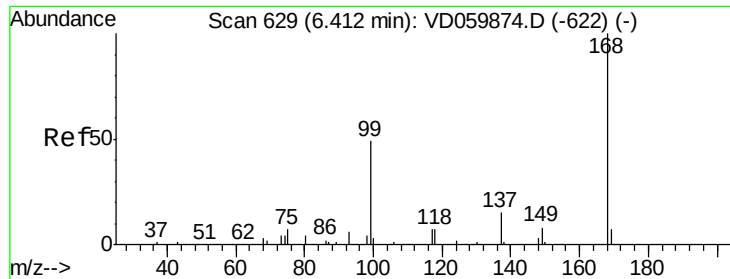
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090618\
Data File : VD059982.D
Acq On : 6 Sep 2018 13:34
Operator : JC/SY
Sample : VD0906SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

Quant Time: Sep 07 03:44:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	390662	22.65	ug/l	99
94) Hexachlorobutadiene	14.87	225	260765	23.06	ug/l	99
95) Naphthalene	14.96	128	593542	22.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	331731	22.49	ug/l	99

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

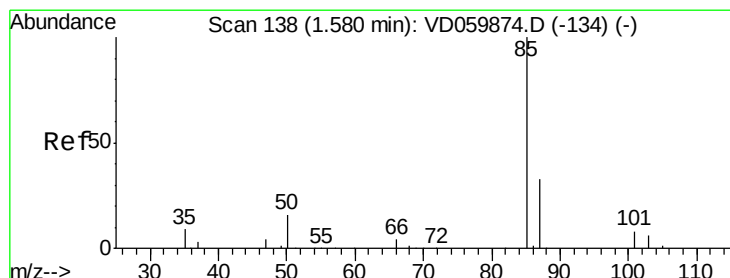
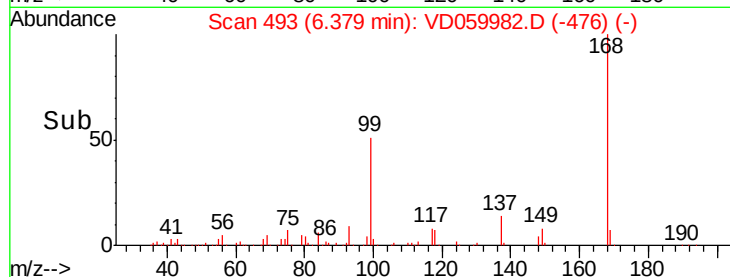
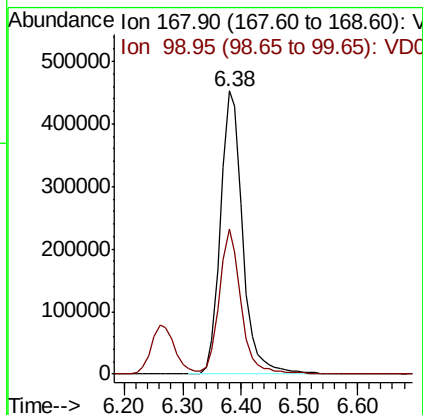
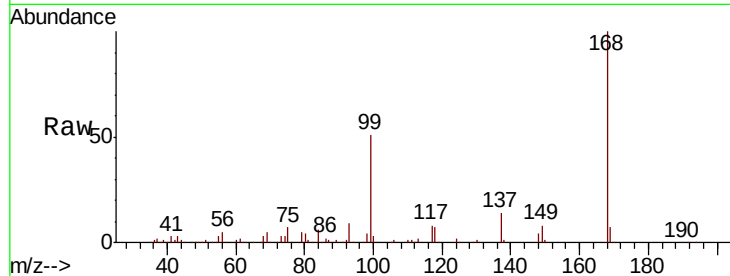


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

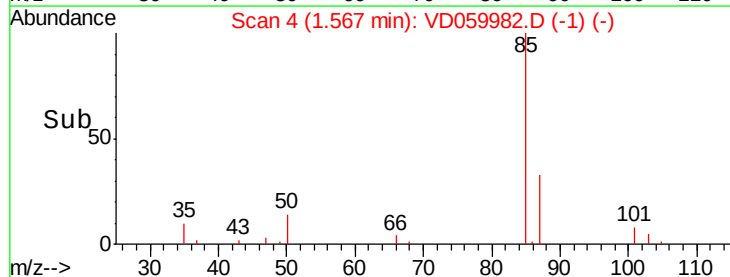
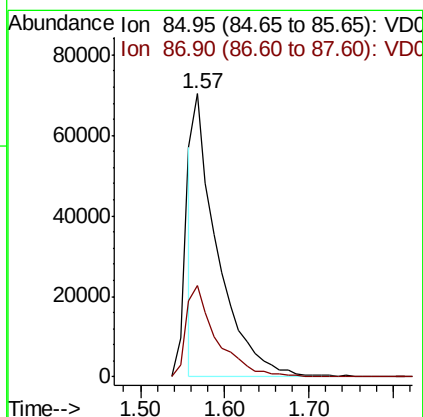
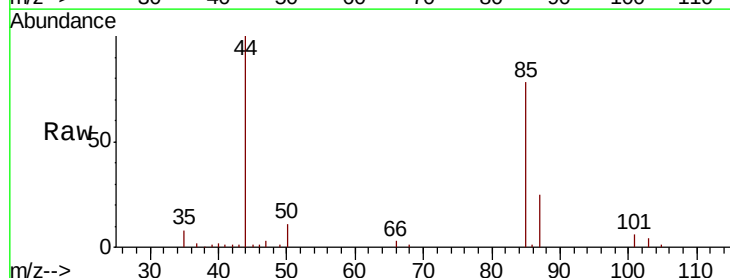
Tot Ion:168 Resp: 1199141
 Ion Ratio Lower Upper
 168 100
 99 51.3 42.2 63.2

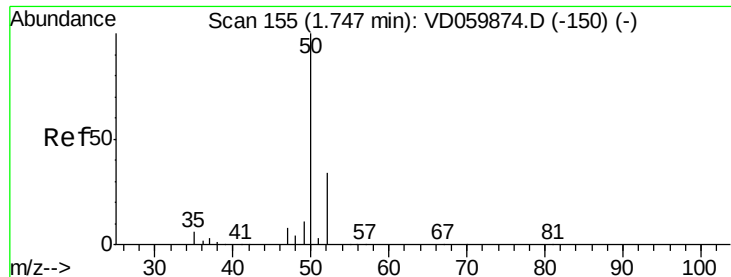


#2

Dichlorodifluoromethane
 Concen: 13.05 ug/l
 RT: 1.57 min Scan# 4
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion: 85 Resp: 139850
 Ion Ratio Lower Upper
 85 100
 87 32.5 16.8 50.3





#3

Chloromethane

Concen: 15.69 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

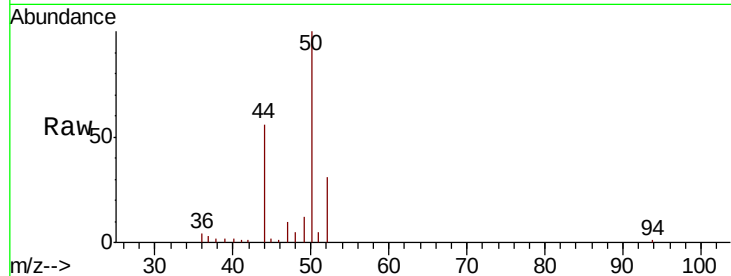
VD0906SBSD01

Tot Ion: 50 Resp: 152366

Ion Ratio Lower Upper

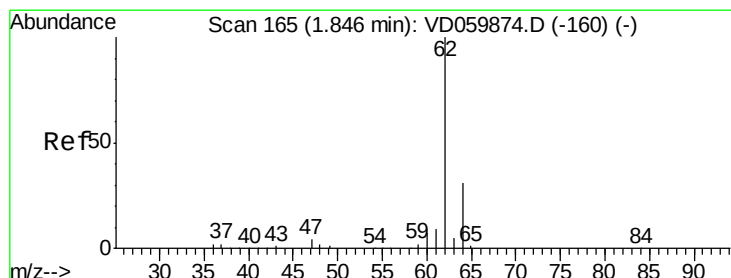
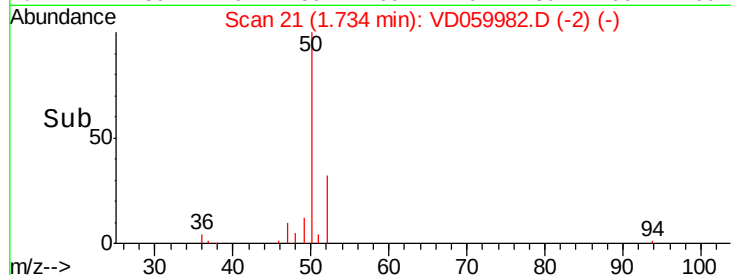
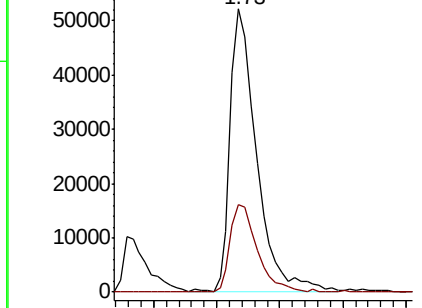
50 100

52 30.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.23 ug/l

RT: 1.82 min Scan# 30

Delta R.T. -0.02 min

Lab File: VD059982.D

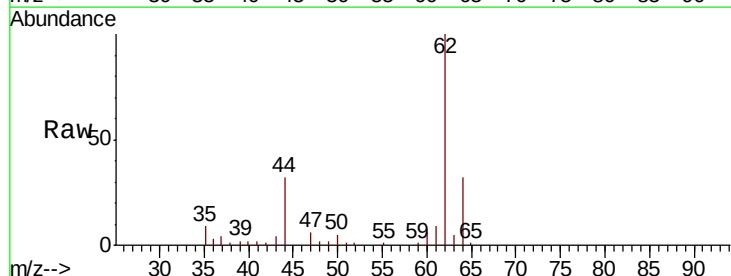
Acq: 6 Sep 2018 13:34

Tgt Ion: 62 Resp: 131219

Ion Ratio Lower Upper

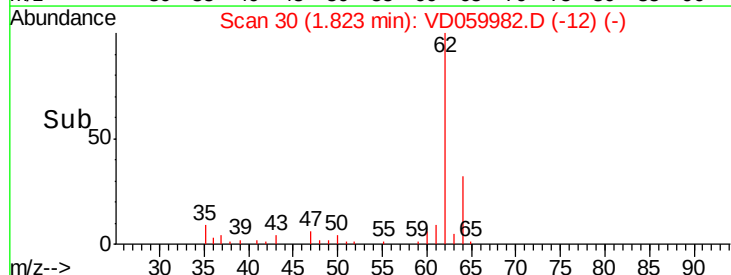
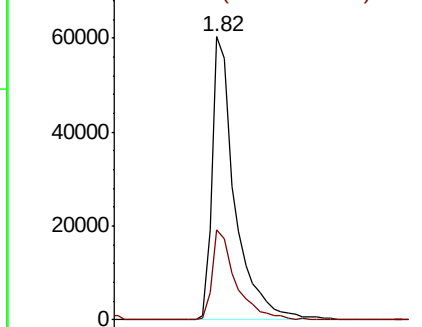
62 100

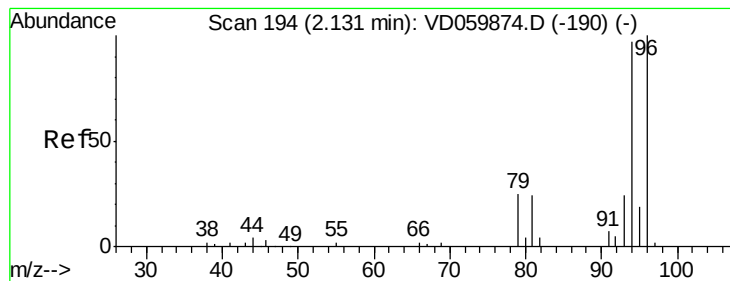
64 31.9 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.72 ug/l

RT: 2.11 min Scan# 59

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

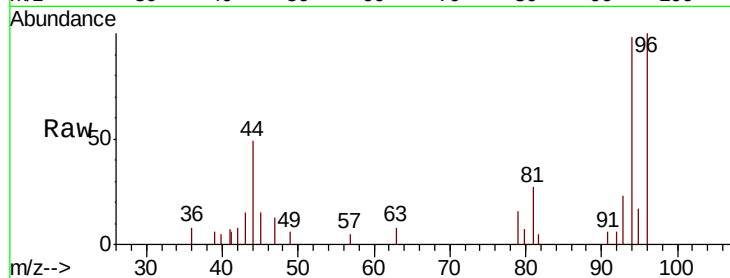
VD0906SBS01

Tot Ion: 94 Resp: 11462

Ion Ratio Lower Upper

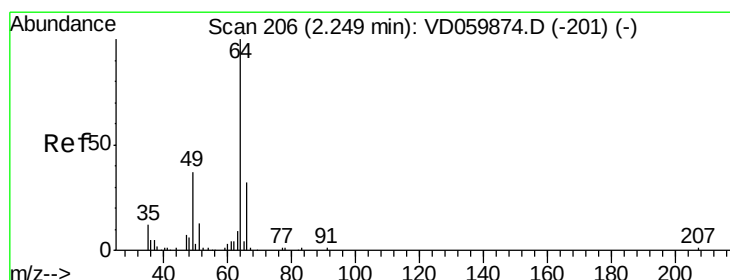
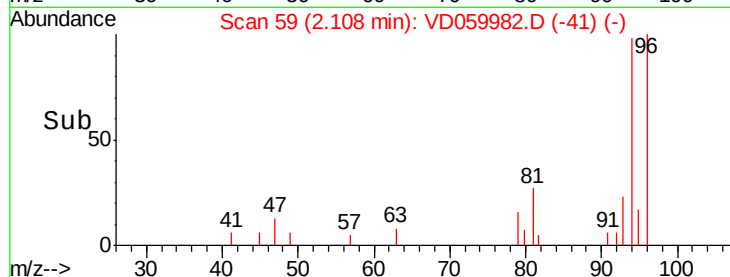
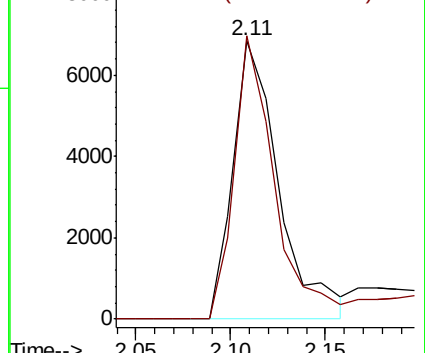
94 100

96 101.7 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.18 ug/l

RT: 2.22 min Scan# 70

Delta R.T. -0.03 min

Lab File: VD059982.D

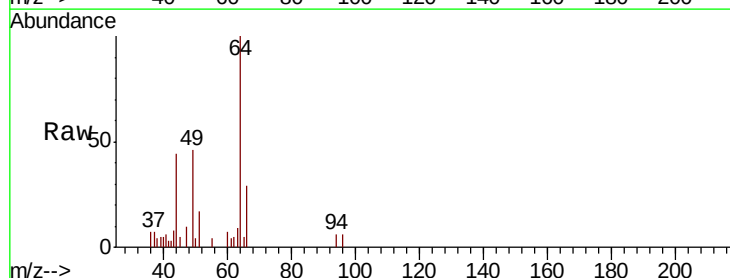
Acq: 6 Sep 2018 13:34

Tgt Ion: 64 Resp: 33675

Ion Ratio Lower Upper

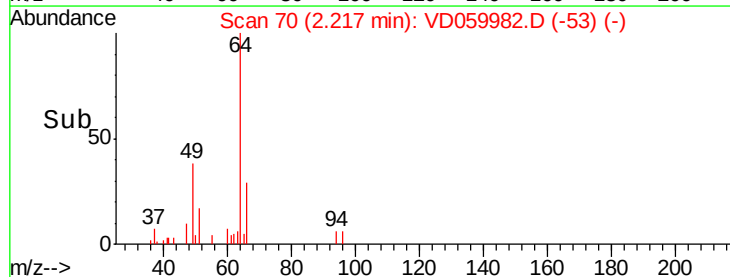
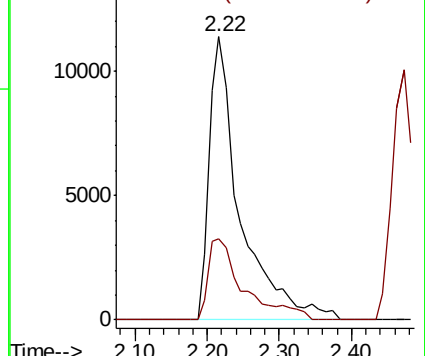
64 100

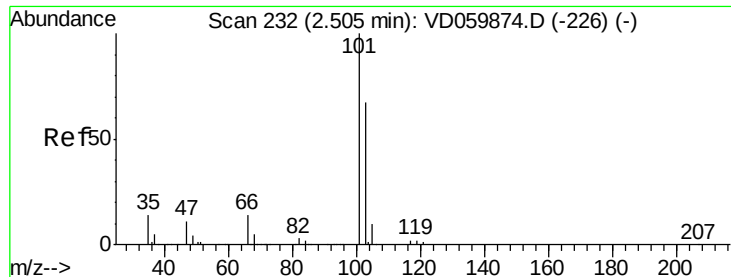
66 28.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 18.90 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

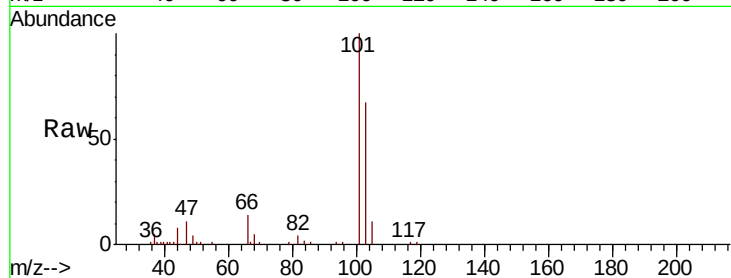
VD0906SBSD01

Tot Ion:101 Resp: 166459

Ion Ratio Lower Upper

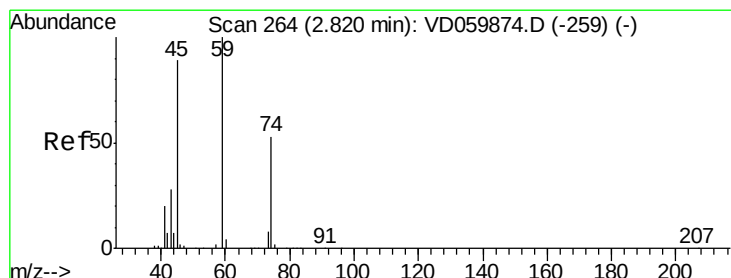
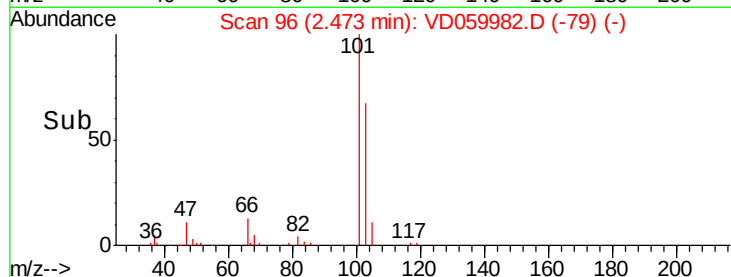
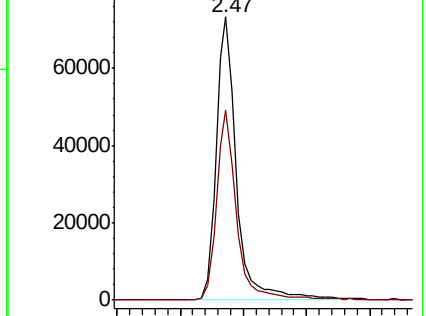
101 100

103 66.9 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 18.27 ug/l

RT: 2.80 min Scan# 129

Delta R.T. -0.02 min

Lab File: VD059982.D

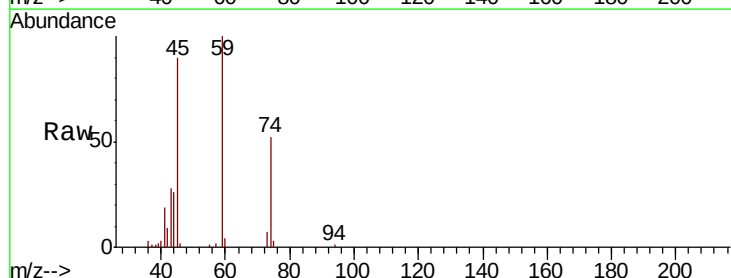
Acq: 6 Sep 2018 13:34

Tgt Ion: 74 Resp: 36113

Ion Ratio Lower Upper

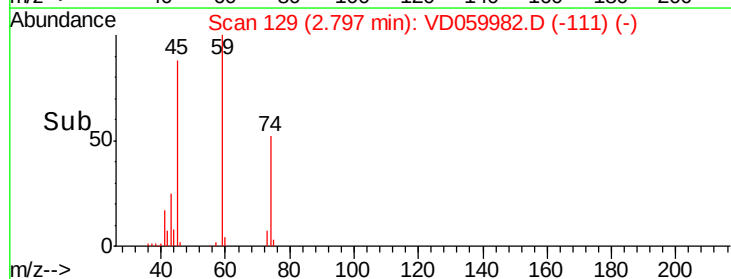
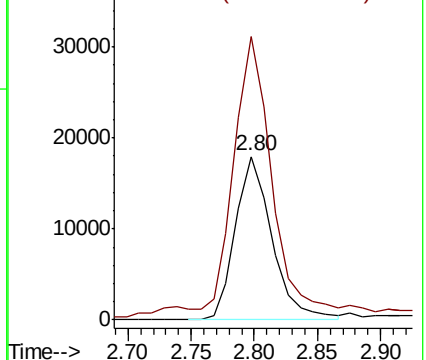
74 100

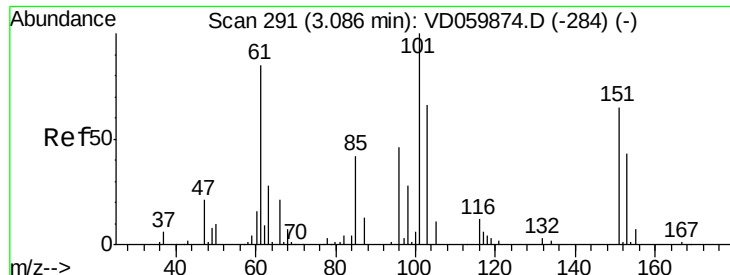
45 173.4 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.52 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

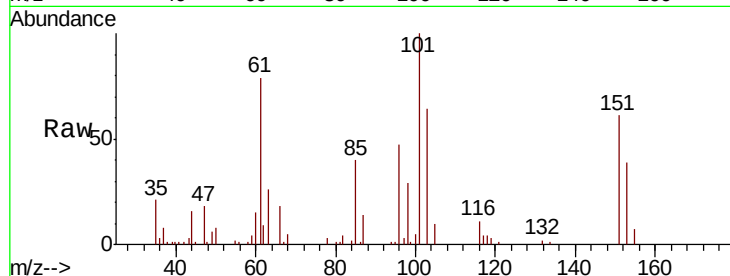
Tot Ion:101 Resp: 121469

Ion Ratio Lower Upper

101 100

85 39.7 33.6 50.4

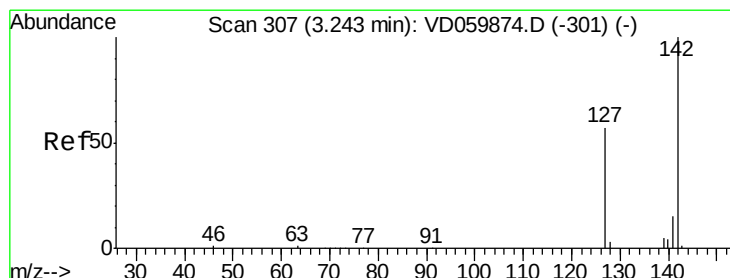
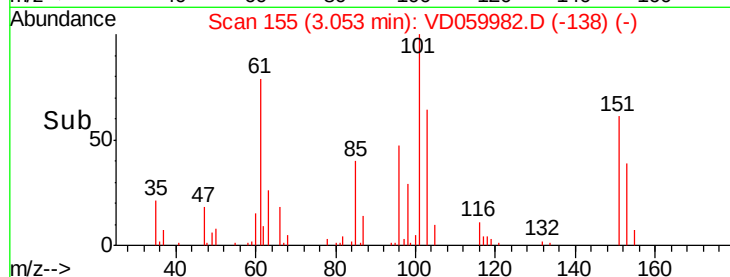
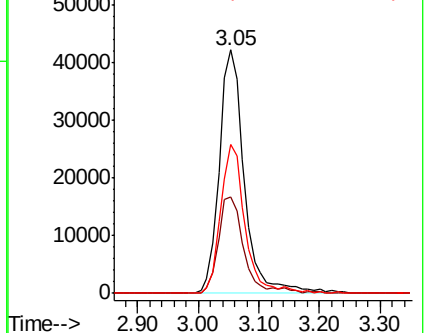
151 61.1 52.0 78.0



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: 18.59 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

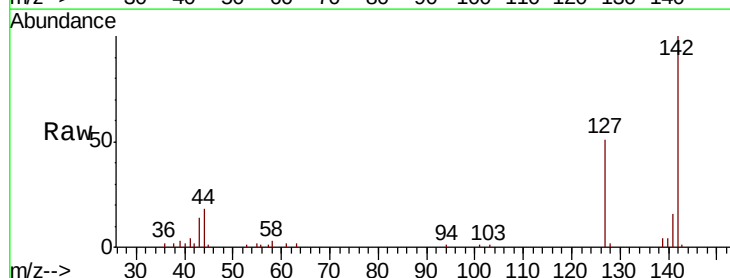
Tgt Ion:142 Resp: 93404

Ion Ratio Lower Upper

142 100

127 51.2 45.8 68.6

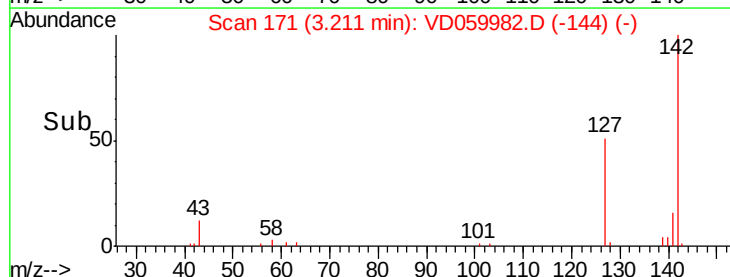
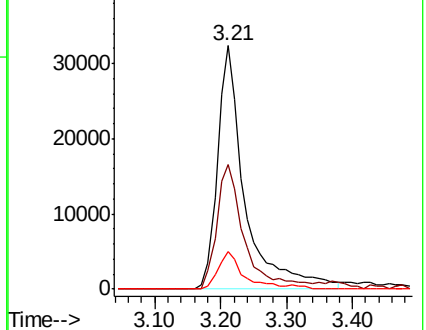
141 15.6 11.6 17.4

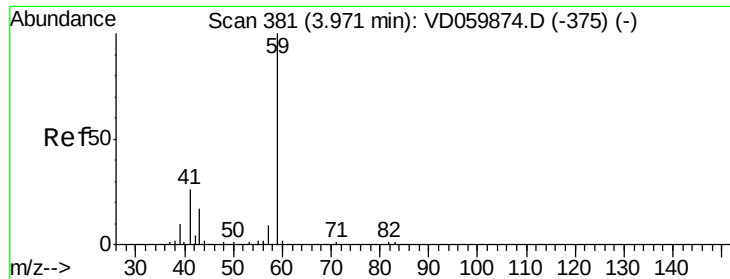


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

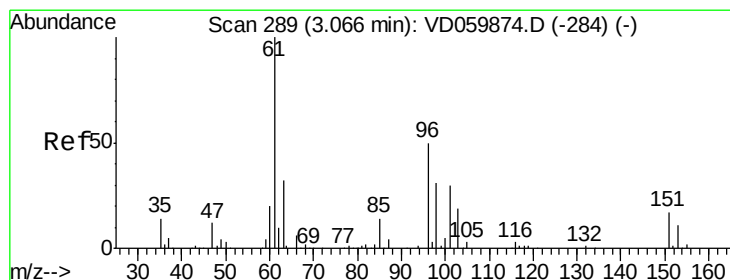
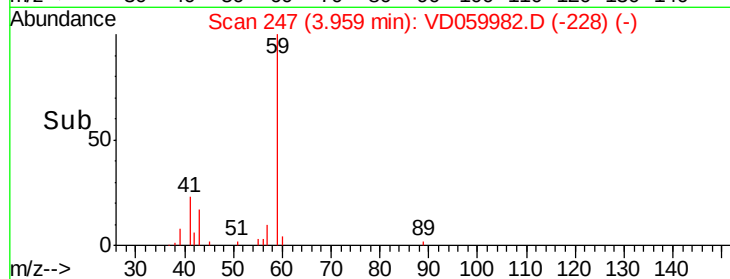
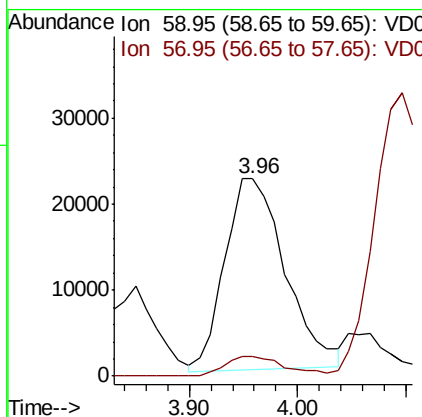
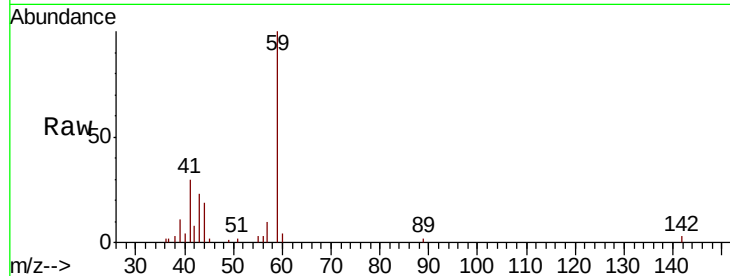




#11
Tert butyl alcohol
Concen: 112.09 ug/l
RT: 3.96 min Scan# 247
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

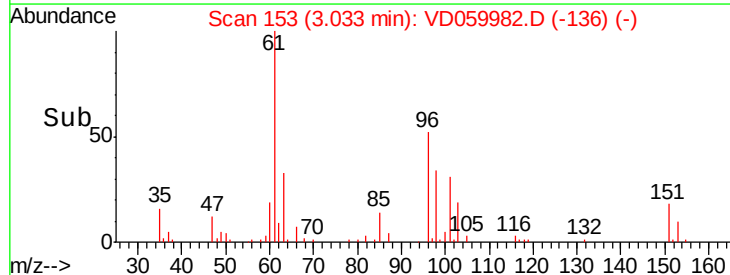
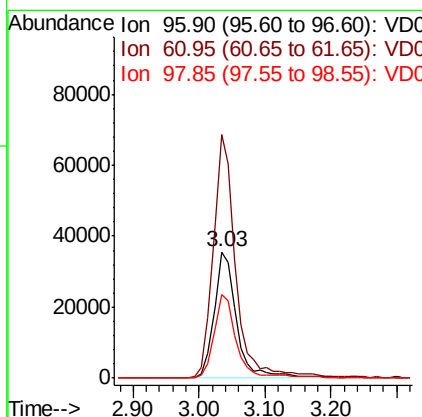
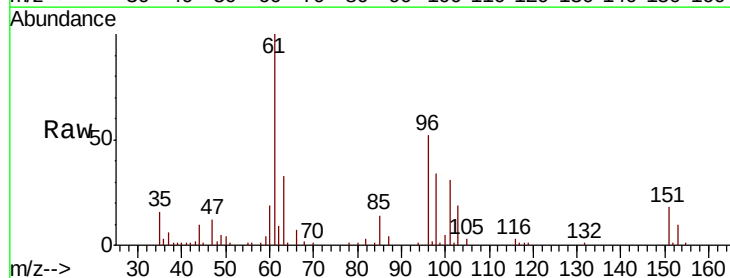
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

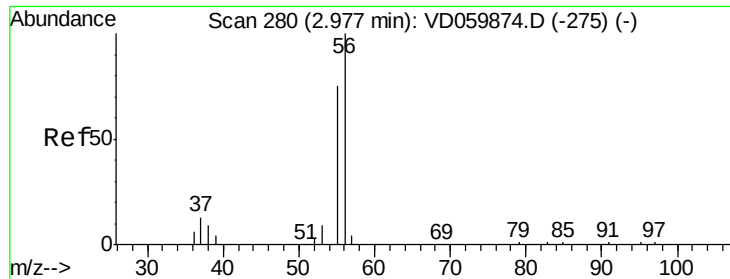
Tot Ion: 59 Resp: 86438
Ion Ratio Lower Upper
59 100
57 9.7 7.4 11.0



#12
1,1-Dichloroethene
Concen: 20.00 ug/l
RT: 3.03 min Scan# 153
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 96 Resp: 83975
Ion Ratio Lower Upper
96 100
61 192.9 158.8 238.2
98 66.2 48.7 73.1





#13

Acrolein

Concen: 58.51 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

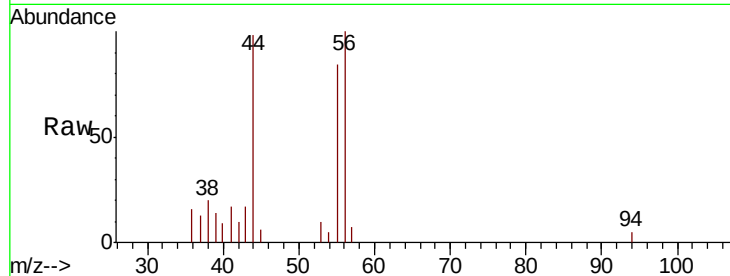
VD0906SBSD01

Tot Ion: 56 Resp: 19572

Ion Ratio Lower Upper

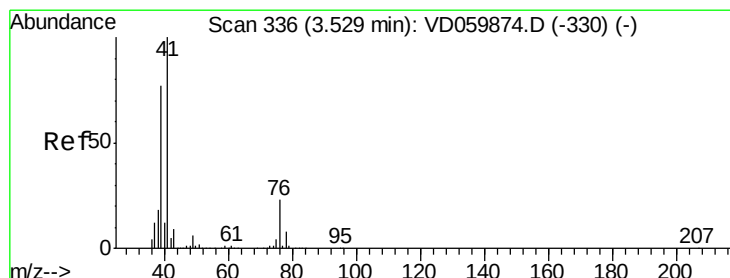
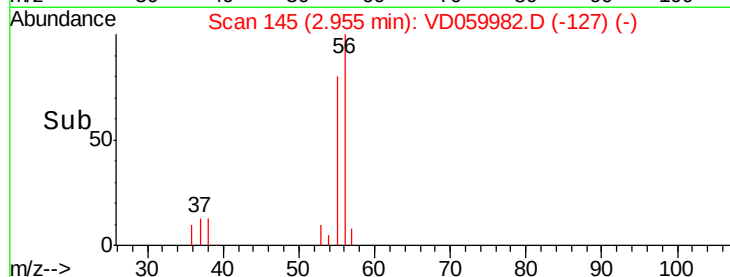
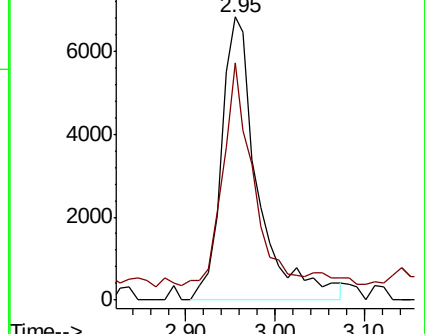
56 100

55 84.0 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.80 ug/l

RT: 3.50 min Scan# 200

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

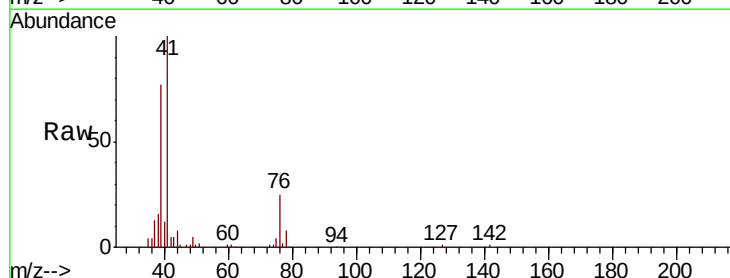
Tgt Ion: 41 Resp: 197609

Ion Ratio Lower Upper

41 100

39 76.5 61.8 92.6

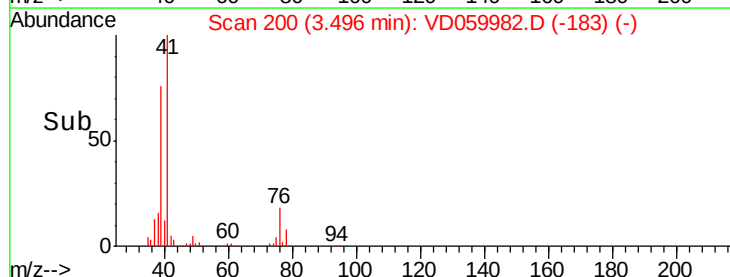
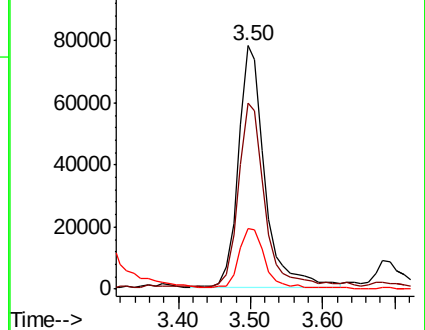
76 25.1 19.4 29.2

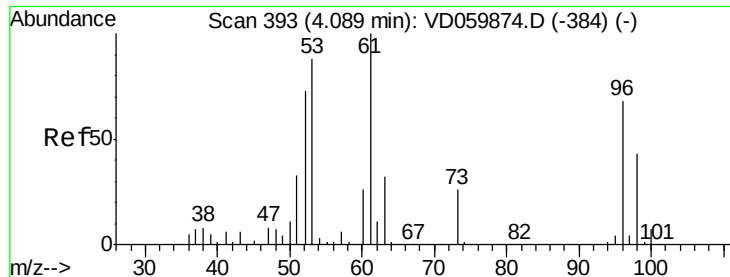


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.11 ug/l

RT: 4.06 min Scan# 257

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

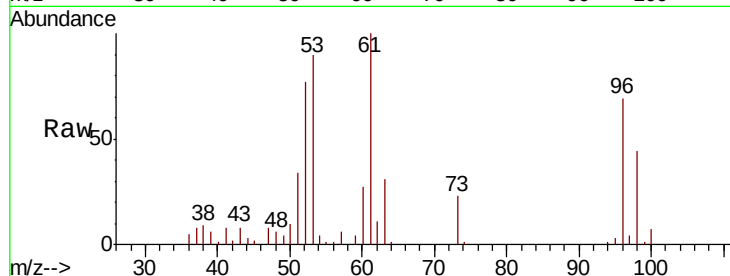
Tot Ion: 53 Resp: 315103

Ion Ratio Lower Upper

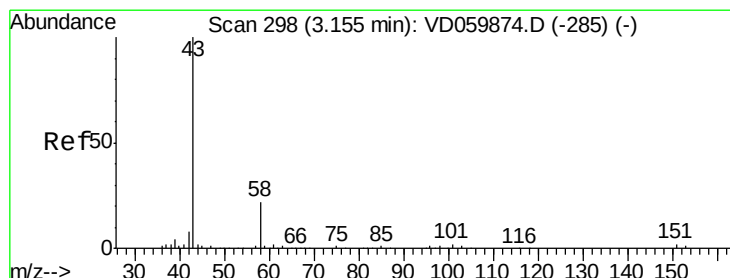
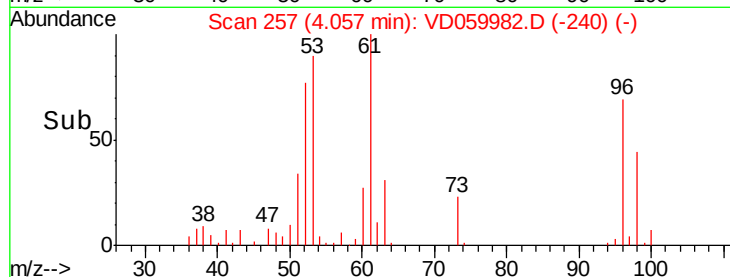
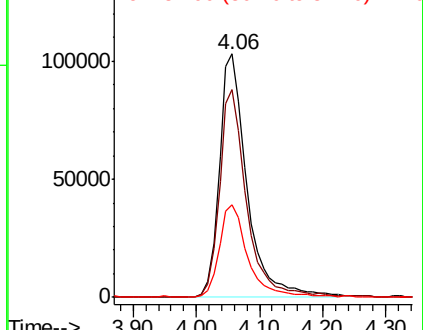
53 100

52 85.2 66.9 100.3

51 38.0 30.3 45.5



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: 99.86 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059982.D

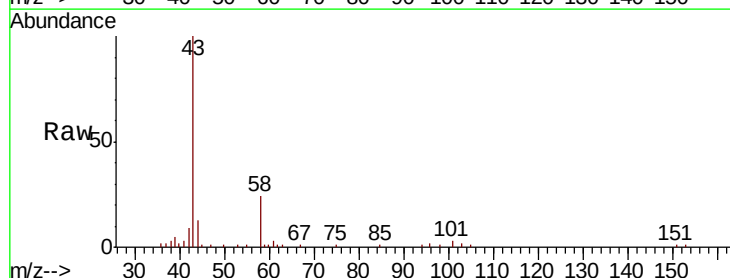
Acq: 6 Sep 2018 13:34

Tgt Ion: 43 Resp: 183886

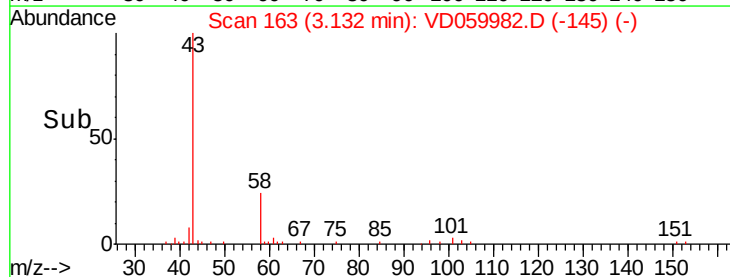
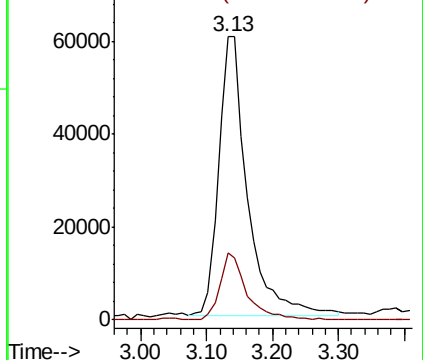
Ion Ratio Lower Upper

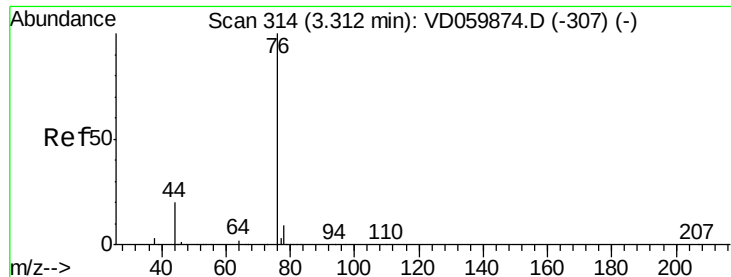
43 100

58 23.8 17.6 26.4



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

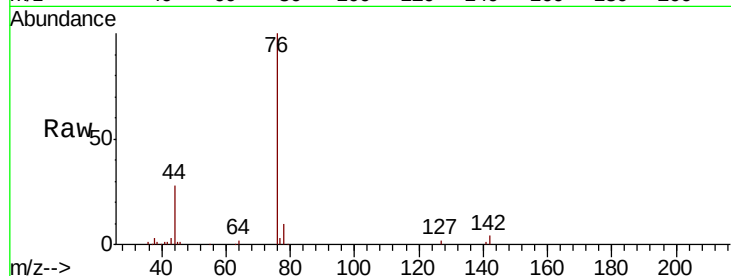




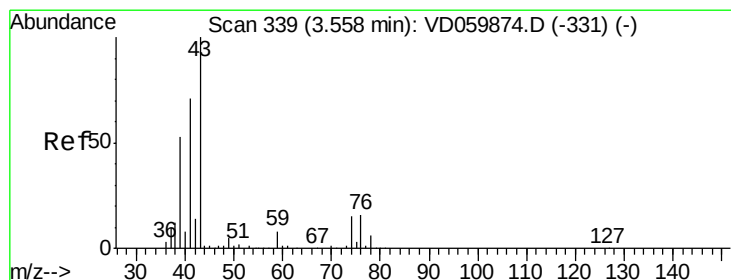
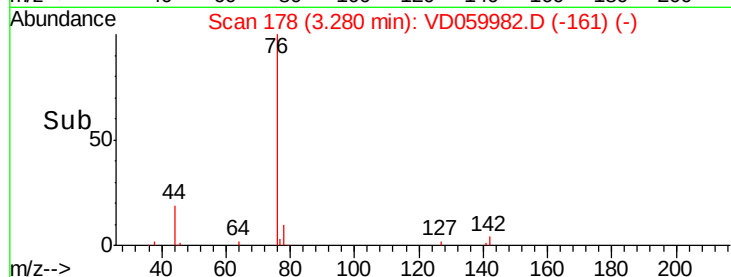
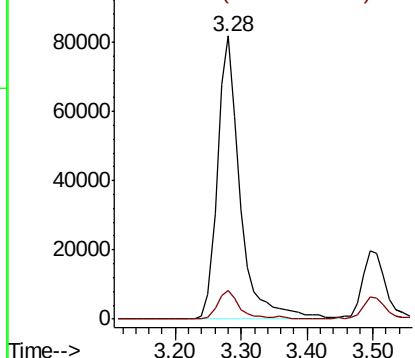
#17
Carbon Disulfide
Concen: 14.99 ug/l
RT: 3.28 min Scan# 178
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

Tot Ion: 76 Resp: 195340
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2

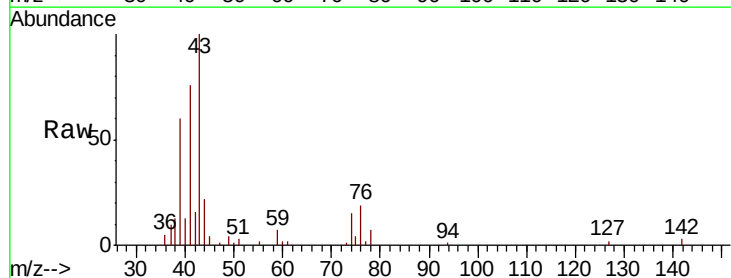


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

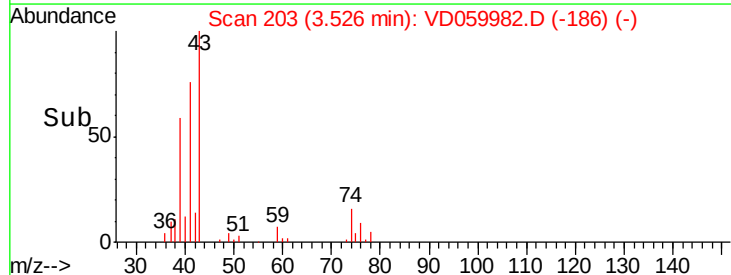
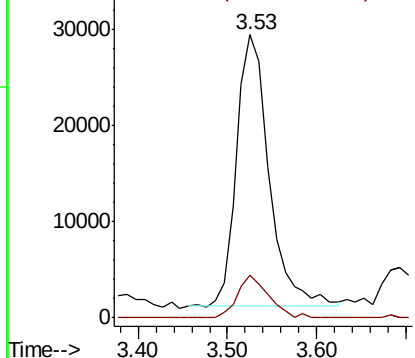


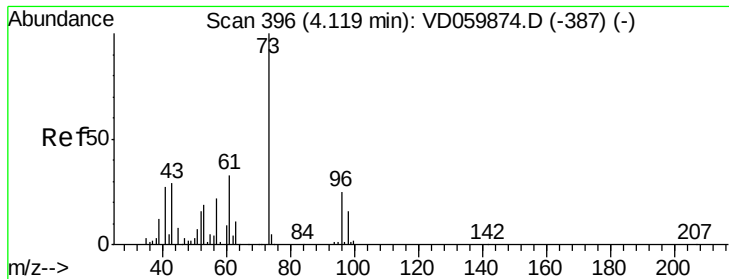
#18
Methyl Acetate
Concen: 18.60 ug/l
RT: 3.53 min Scan# 203
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 43 Resp: 71516
Ion Ratio Lower Upper
43 100
74 15.1 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

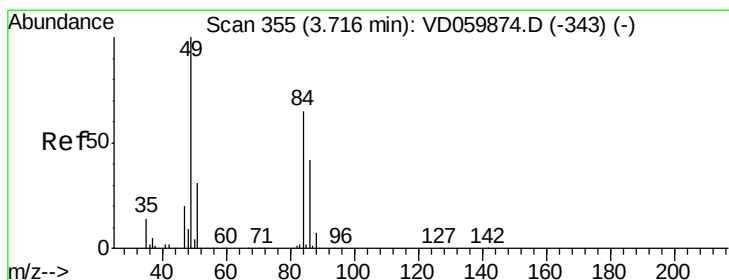
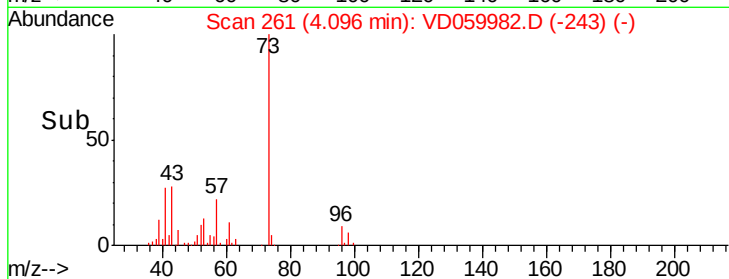
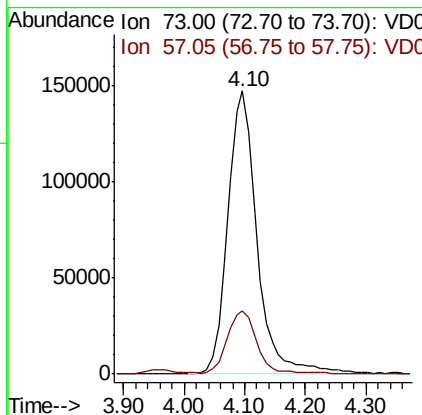
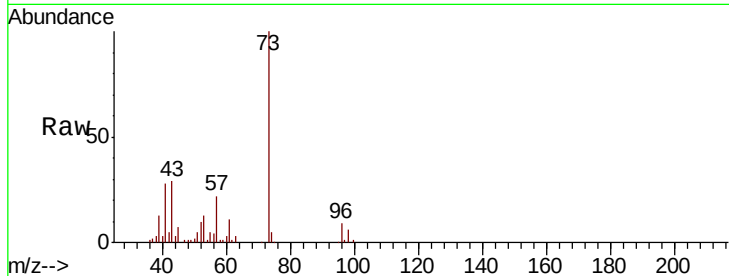




#19
Methyl tert-butyl Ether
Concen: 20.73 ug/l
RT: 4.10 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

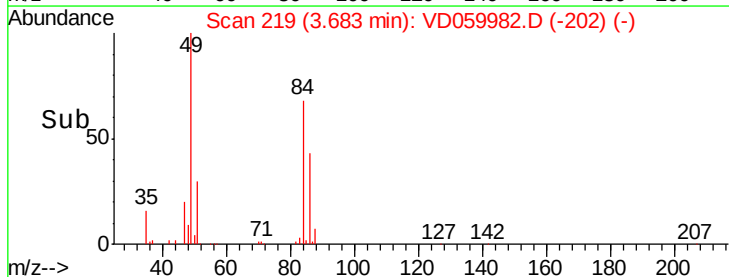
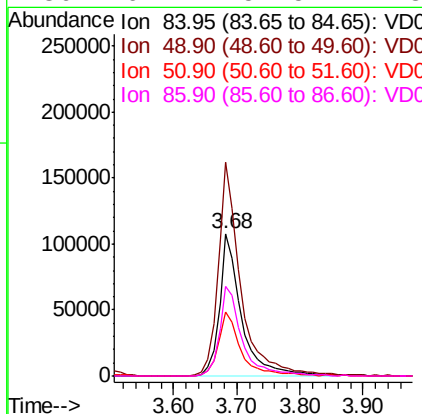
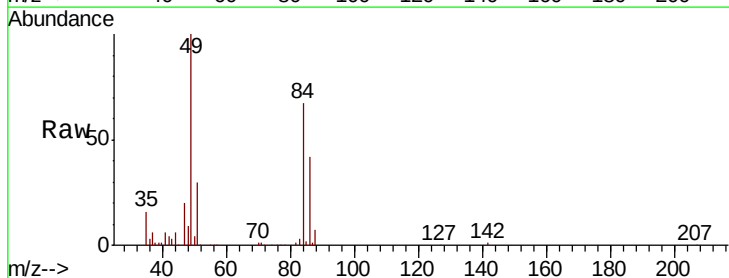
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

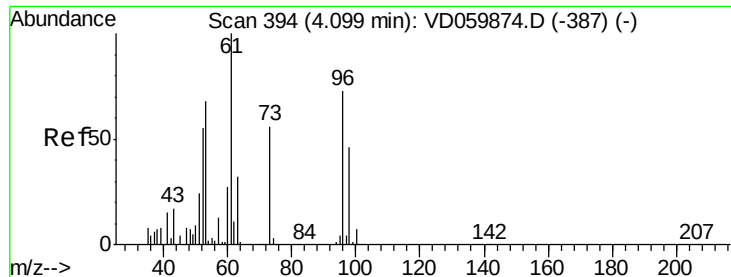
Tot Ion: 73 Resp: 492455
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 19.01 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 84 Resp: 262006
Ion Ratio Lower Upper
84 100
49 149.9 122.6 183.8
51 45.1 38.4 57.6
86 62.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.36 ug/l

RT: 4.06 min Scan# 257

Delta R.T. -0.04 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

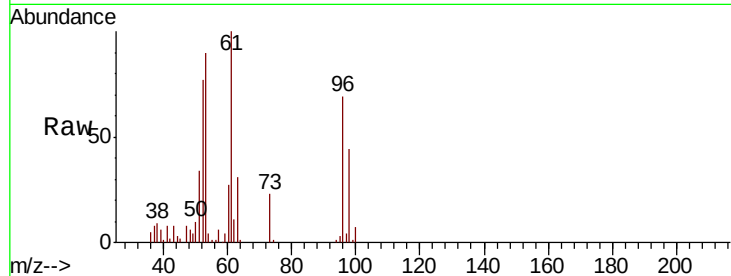
Tot Ion: 96 Resp: 224063

Ion Ratio Lower Upper

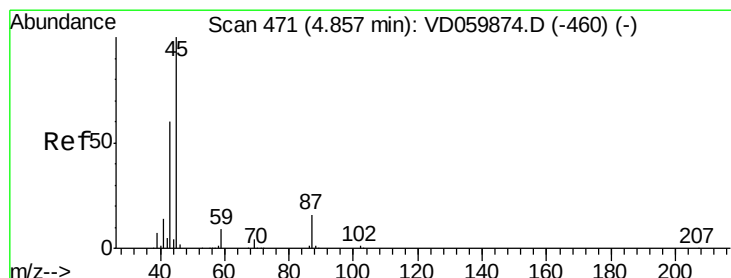
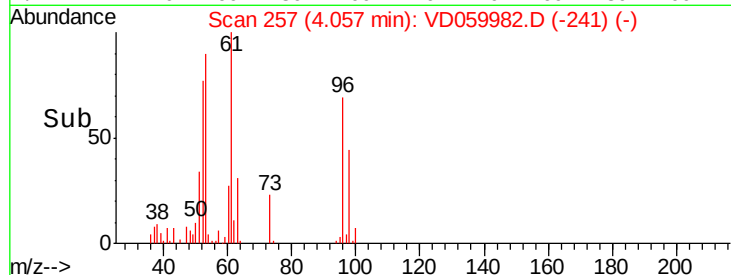
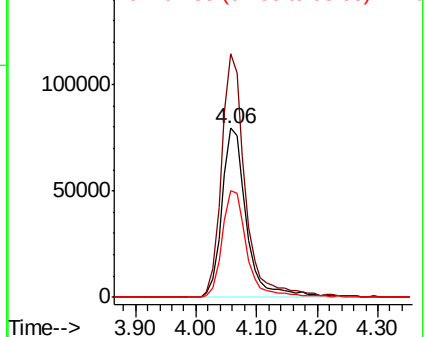
96 100

61 143.9 110.2 165.4

98 63.2 50.9 76.3



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: 21.56 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Tgt Ion: 45 Resp: 1044817

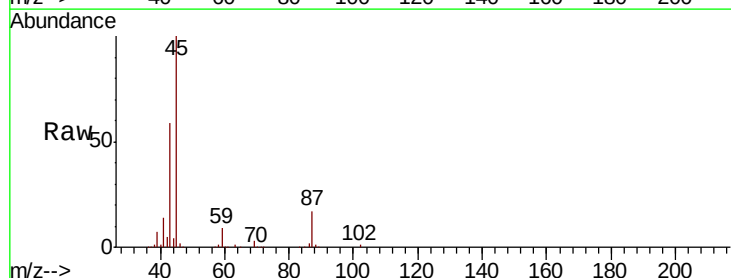
Ion Ratio Lower Upper

45 100

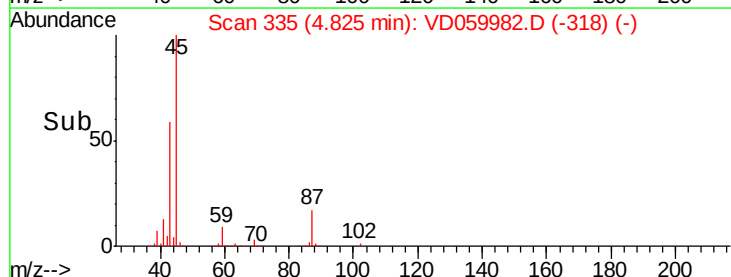
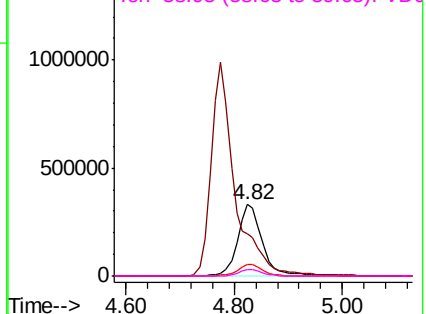
43 59.4 48.6 72.8

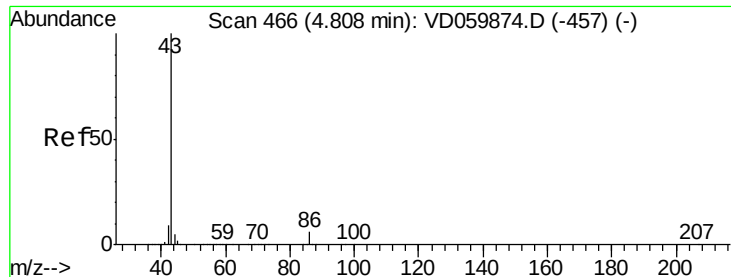
87 16.6 13.3 19.9

59 8.6 7.1 10.7



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: 110.95 ug/l

RT: 4.78 min Scan# 330

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

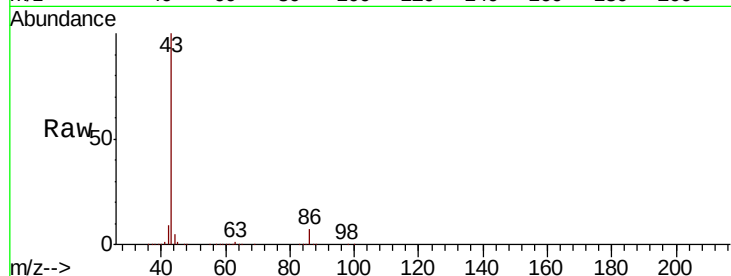
VD0906SBSD01

Tot Ion: 43 Resp: 3005202

Ion Ratio Lower Upper

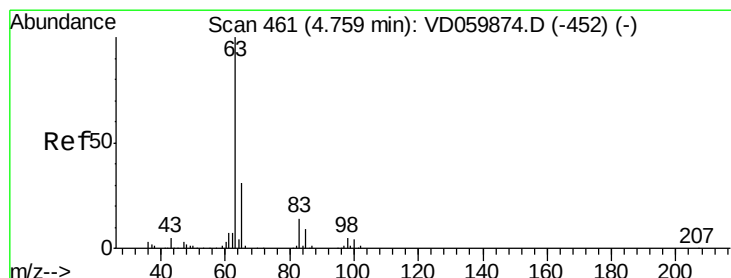
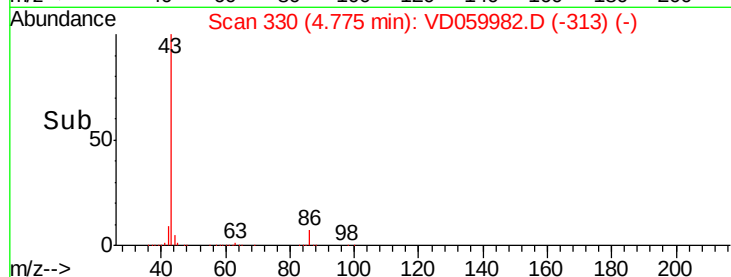
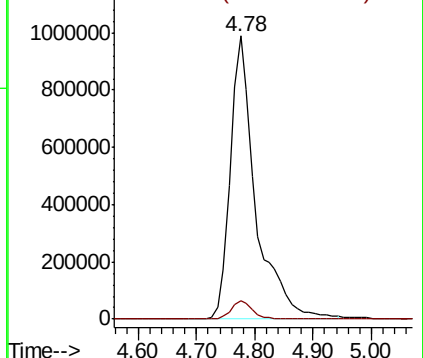
43 100

86 6.6 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.95 ug/l

RT: 4.73 min Scan# 325

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

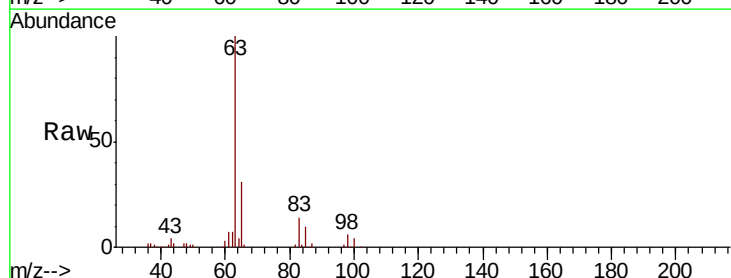
Tgt Ion: 63 Resp: 438553

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

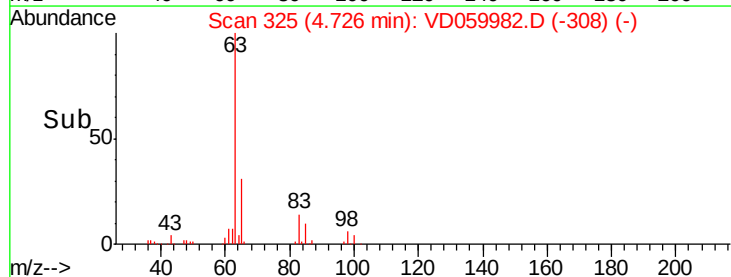
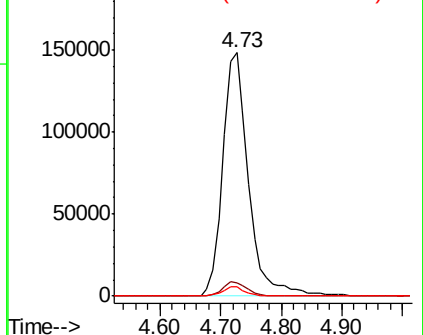
100 3.7 1.8 5.3

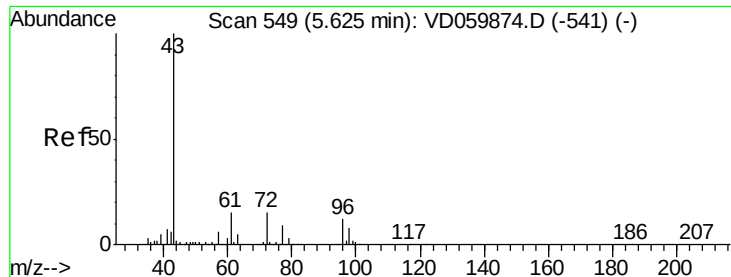


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 91.53 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

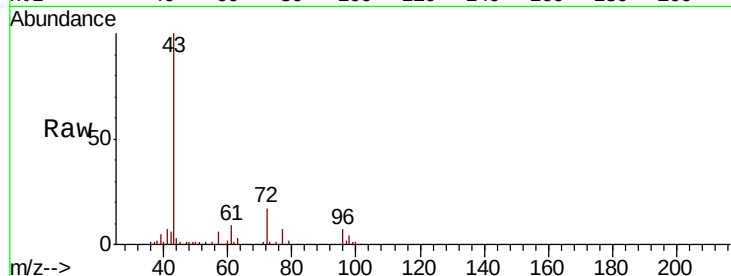
VD0906SBS01

Tot Ion: 43 Resp: 499141

Ion Ratio Lower Upper

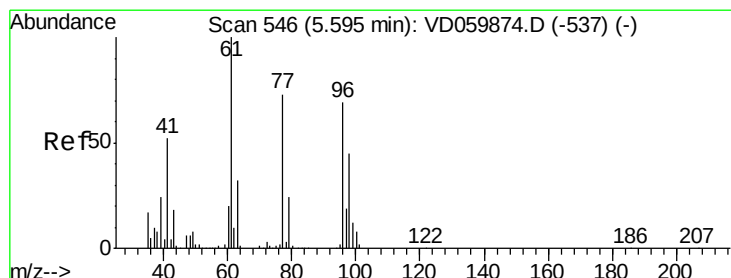
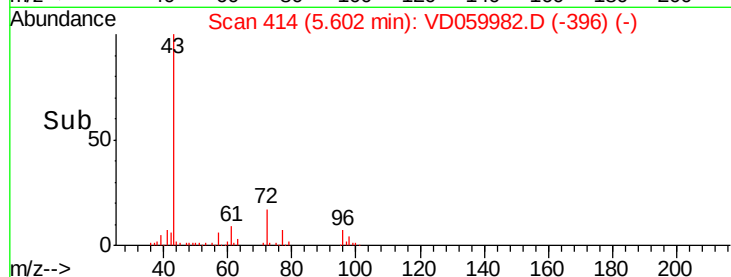
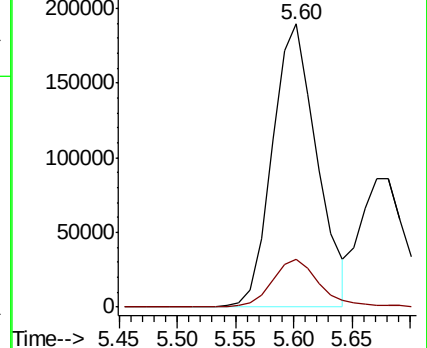
43 100

72 16.9 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.44 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.04 min

Lab File: VD059982.D

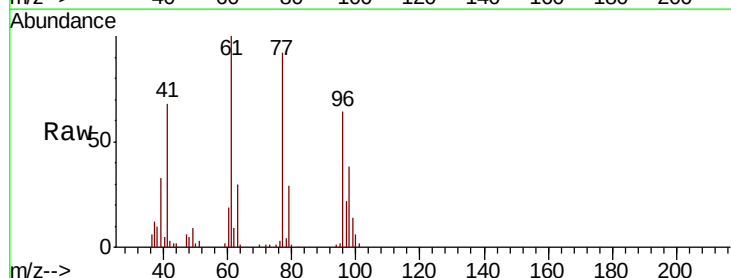
Acq: 6 Sep 2018 13:34

Tgt Ion: 77 Resp: 357748

Ion Ratio Lower Upper

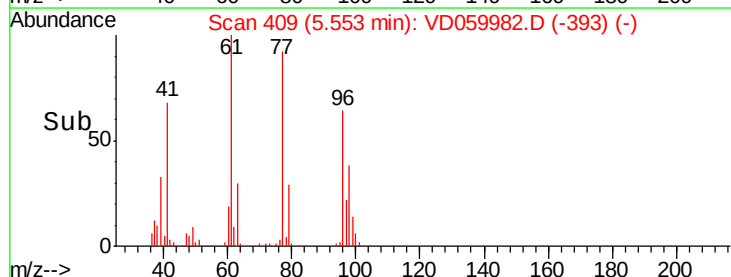
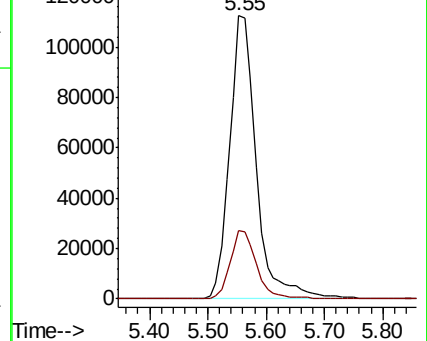
77 100

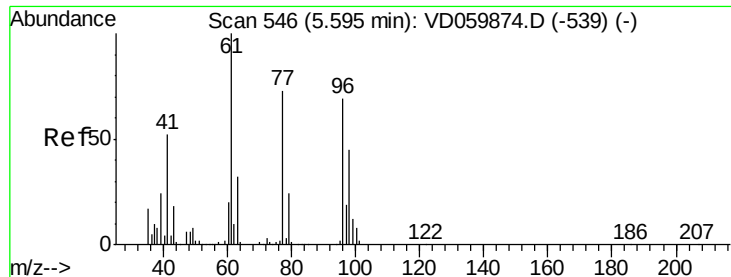
97 23.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 21.78 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

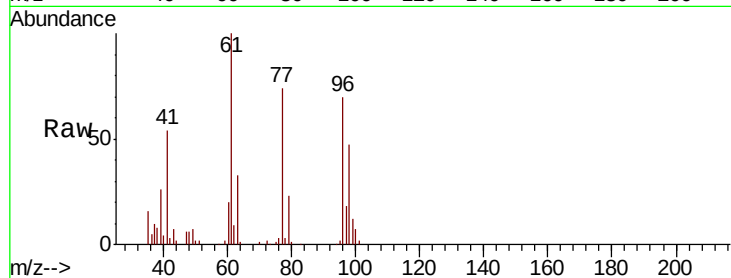
Tot Ion: 96 Resp: 275939

Ion Ratio Lower Upper

96 100

61 142.3 0.0 290.2

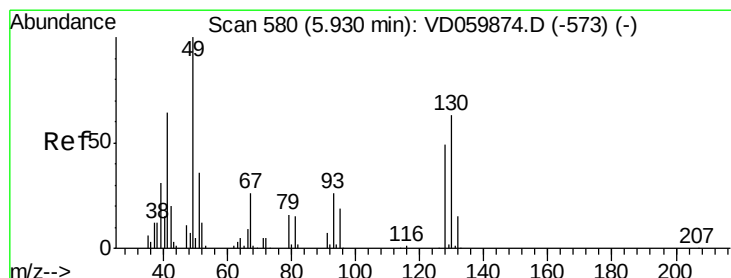
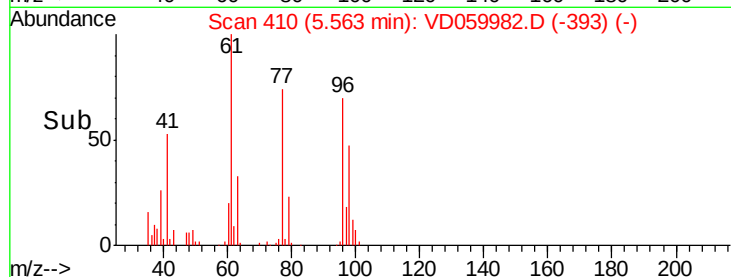
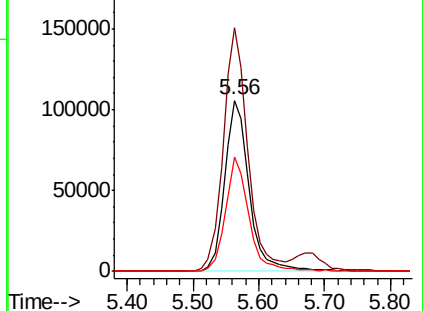
98 66.8 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 20.83 ug/l

RT: 5.90 min Scan# 444

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

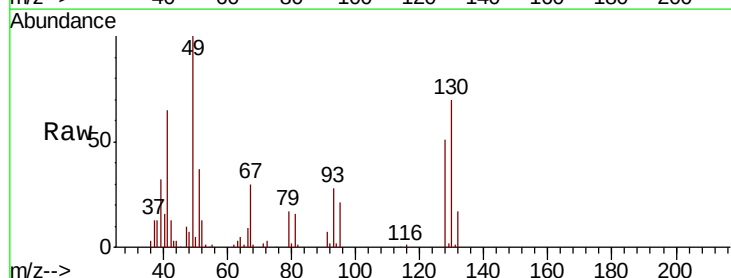
Tgt Ion: 49 Resp: 209020

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

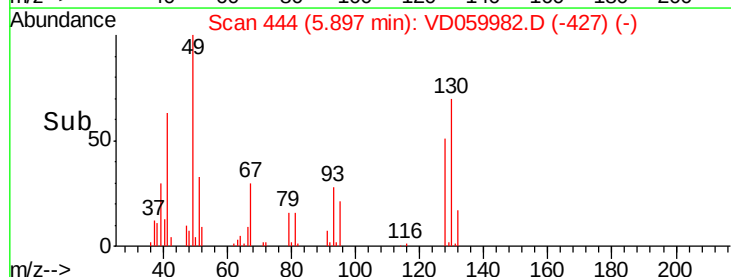
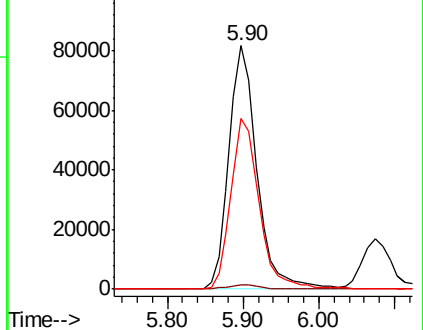
130 69.9 50.6 75.8

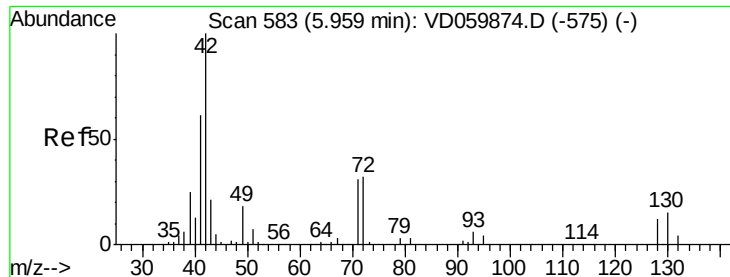


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 107.83 ug/l

RT: 5.94 min Scan# 448

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

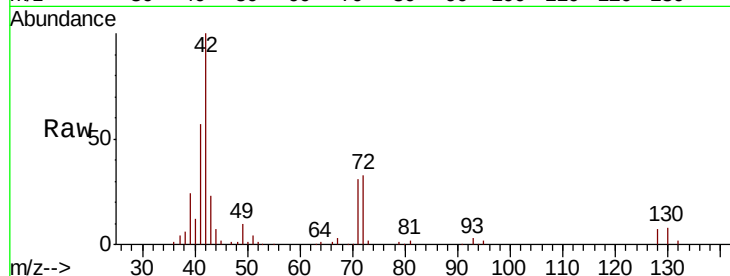
Tot Ion: 42 Resp: 279951

Ion Ratio Lower Upper

42 100

72 32.5 25.7 38.5

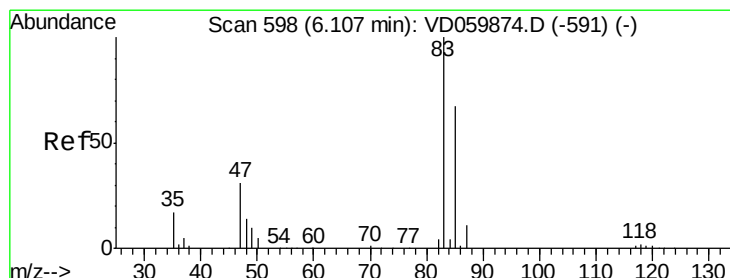
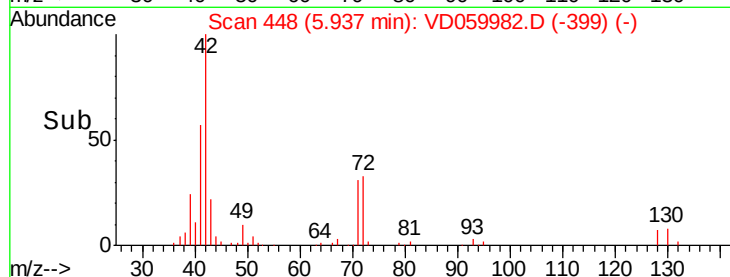
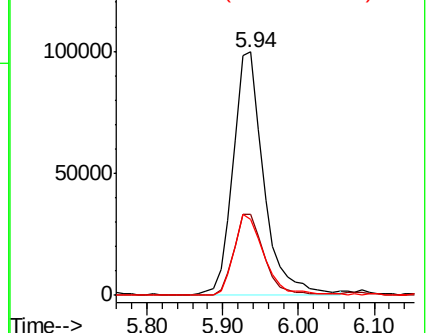
71 32.4 25.3 37.9



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: 21.81 ug/l

RT: 6.07 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059982.D

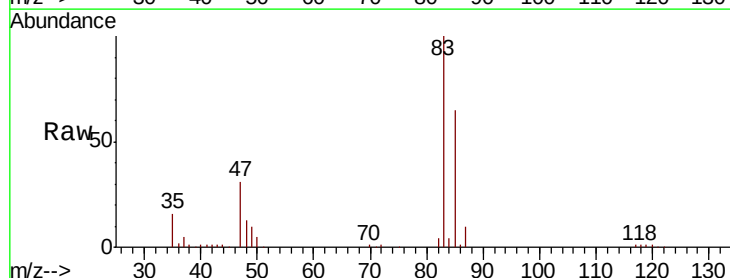
Acq: 6 Sep 2018 13:34

Tgt Ion: 83 Resp: 463933

Ion Ratio Lower Upper

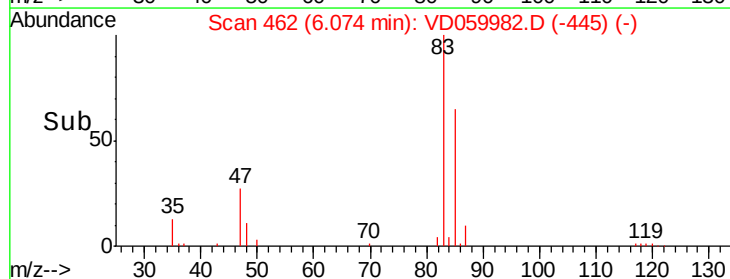
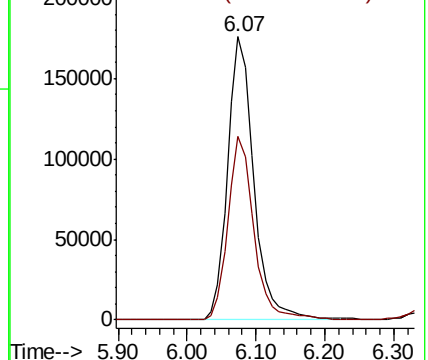
83 100

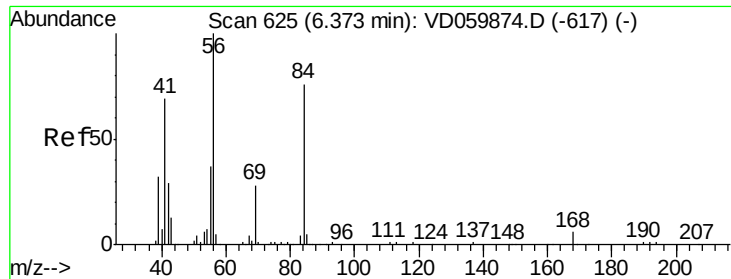
85 64.6 53.5 80.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

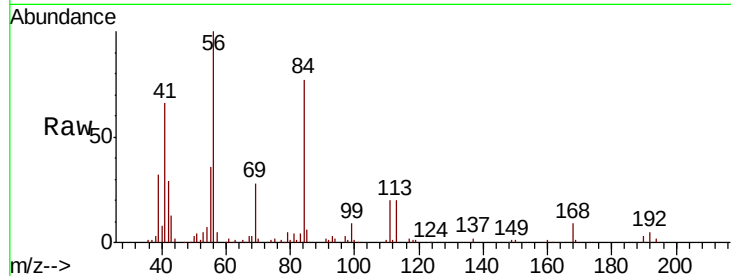




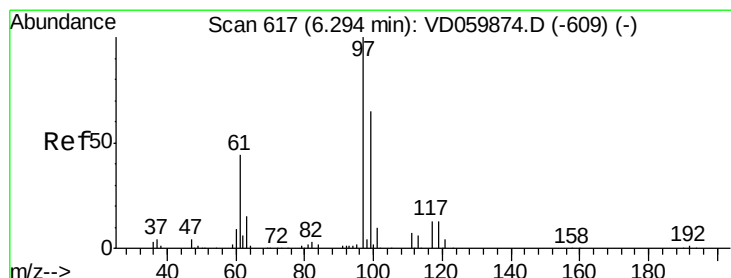
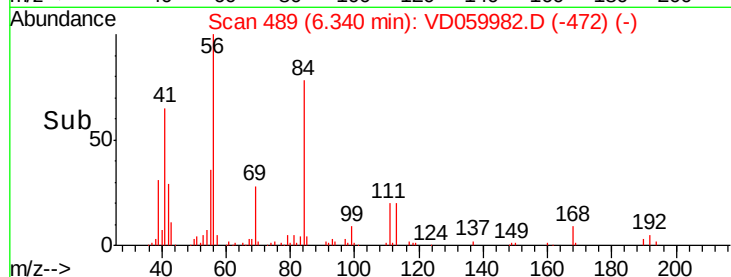
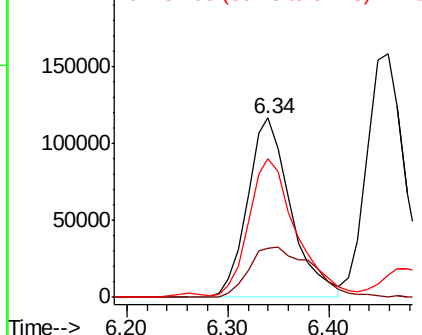
#31
Cyclohexane
Concen: 18.08 ug/l
RT: 6.34 min Scan# 489
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

Tot Ion: 56 Resp: 347954
Ion Ratio Lower Upper
56 100
69 27.6 22.4 33.6
84 77.3 62.1 93.1

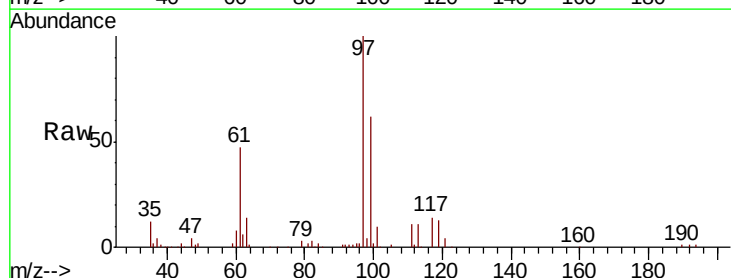


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

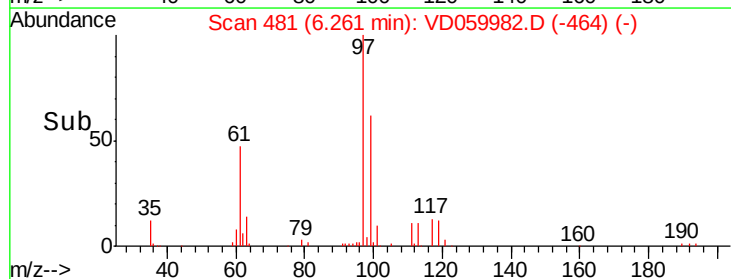
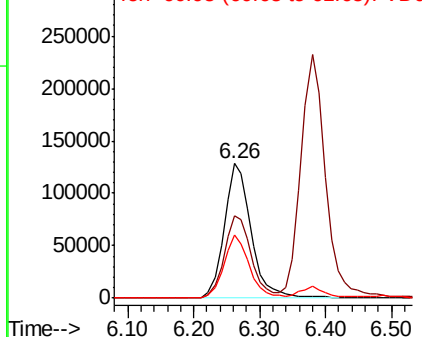


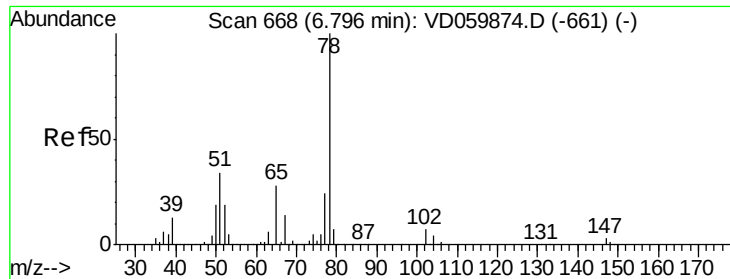
#32
1,1,1-Trichloroethane
Concen: 20.31 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 97 Resp: 366672
Ion Ratio Lower Upper
97 100
99 61.5 51.7 77.5
61 47.3 35.4 53.2



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

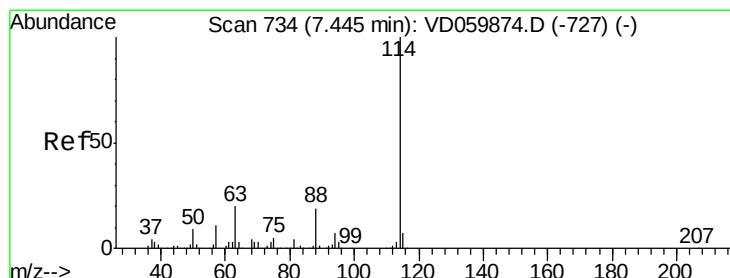
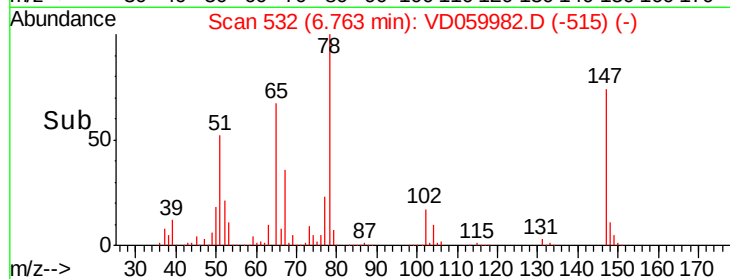
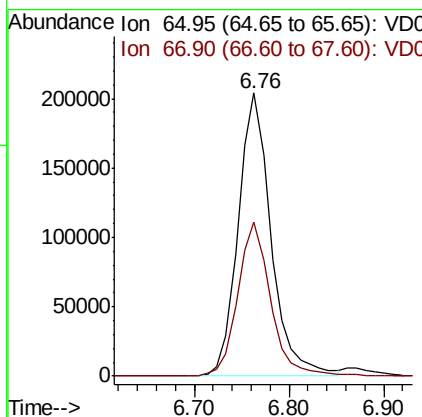
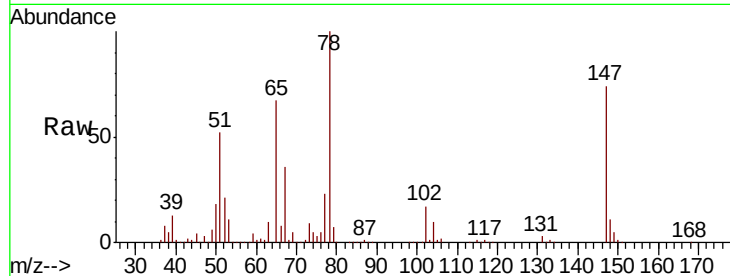




#33
 1,2-Dichloroethane-d4
 Concen: 20.31 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

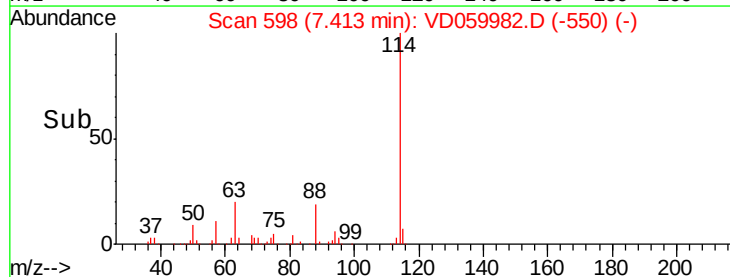
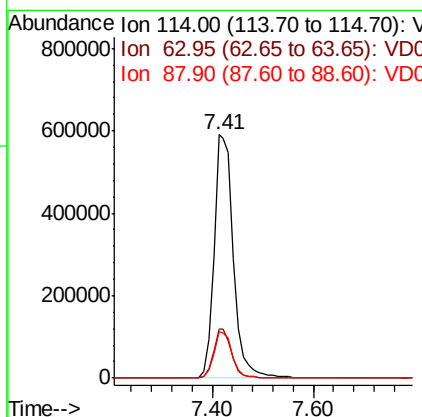
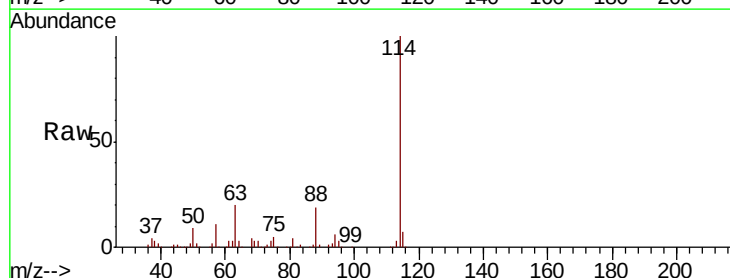
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

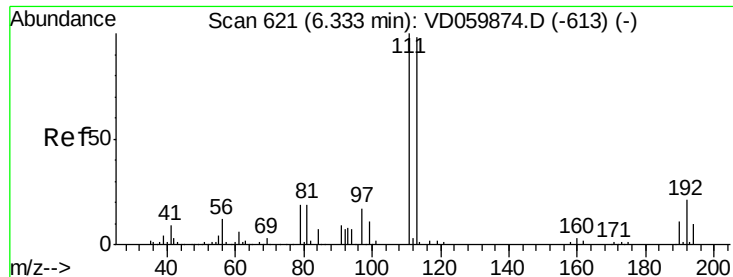
Tot Ion: 65 Resp: 490046
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.41 min Scan# 598
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion:114 Resp: 1592910
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 18.9 0.0 37.6

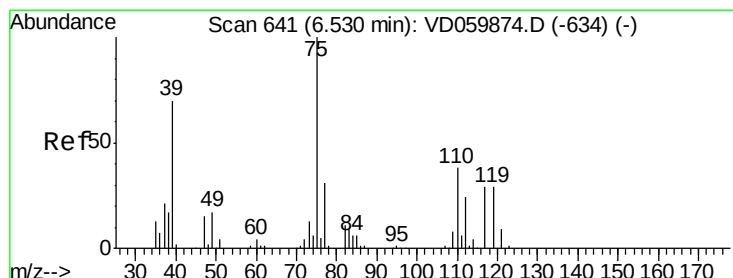
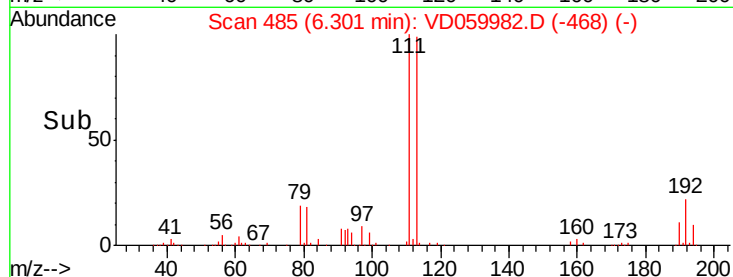
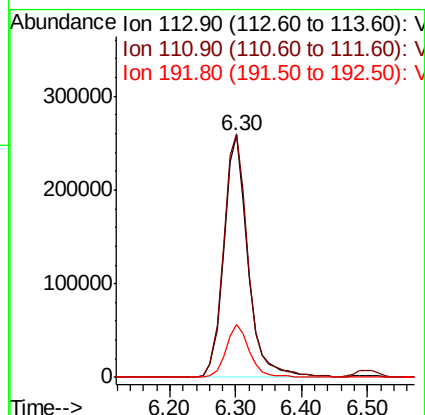
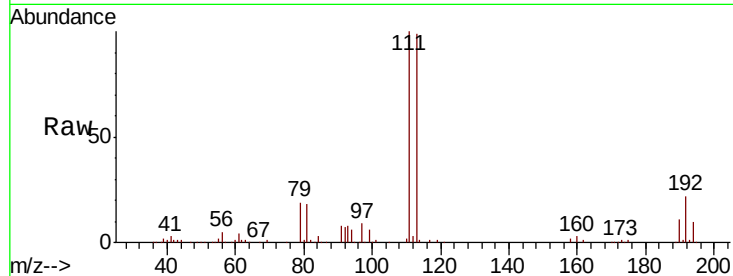




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

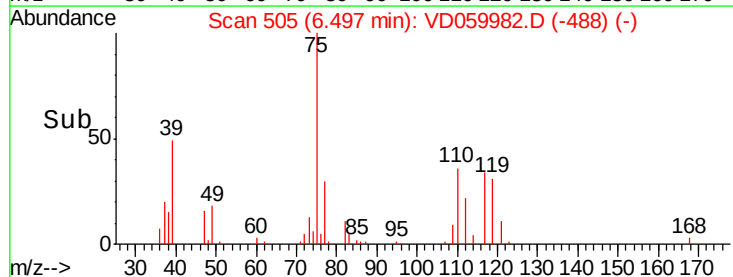
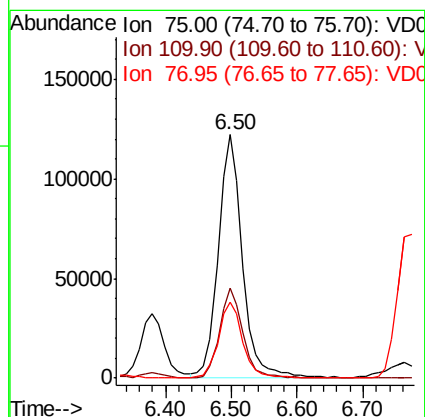
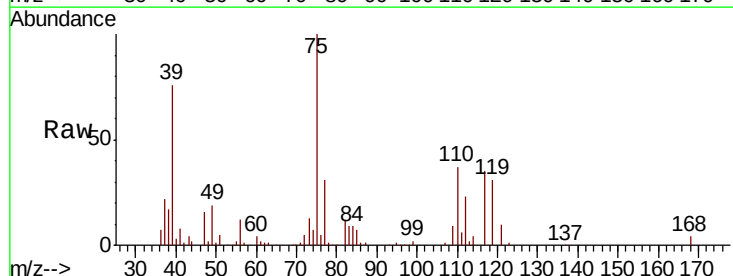
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

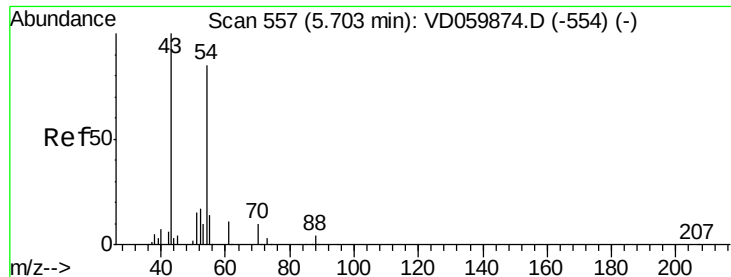
Tot Ion:113 Resp: 660198
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.4 122.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 21.17 ug/l
 RT: 6.50 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion: 75 Resp: 305723
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.6 56.0
 77 31.2 25.1 37.7

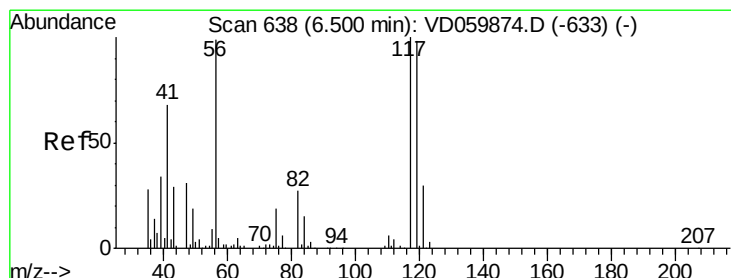
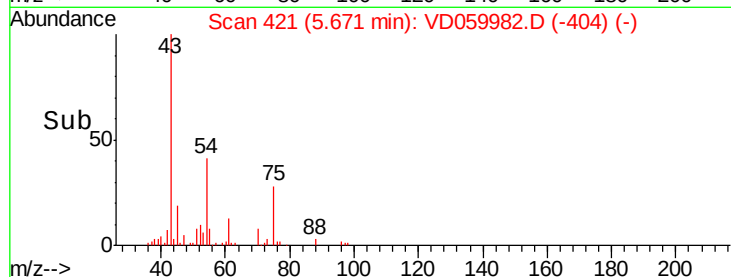
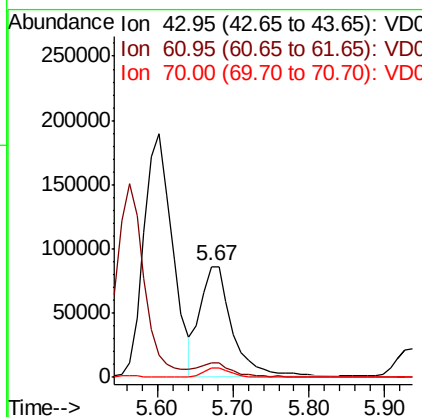
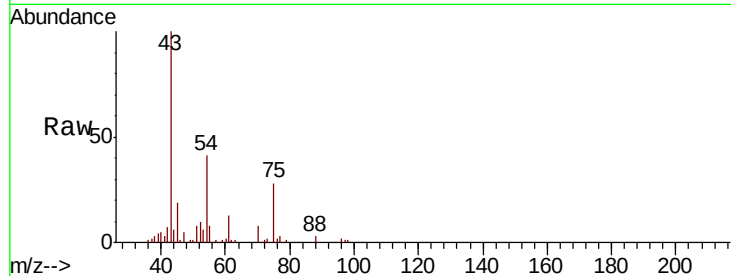




#37
Ethyl Acetate
Concen: 22.19 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

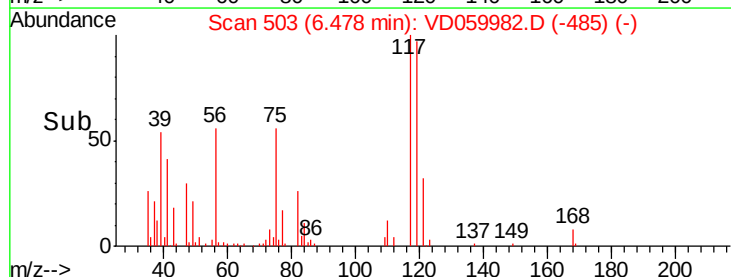
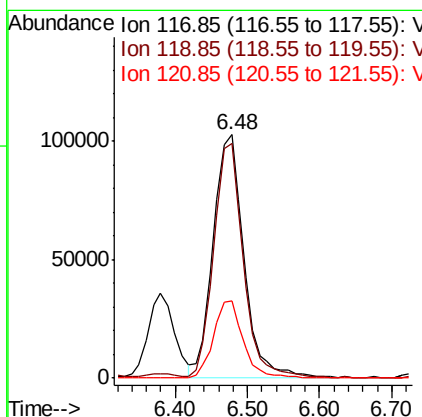
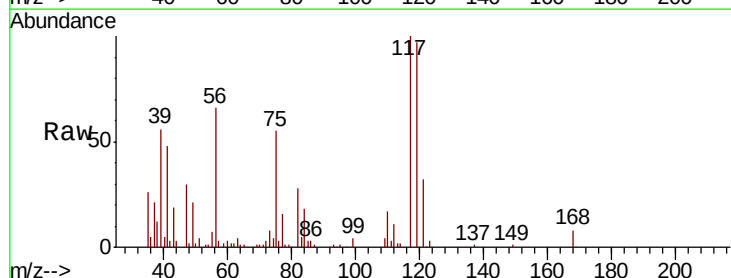
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

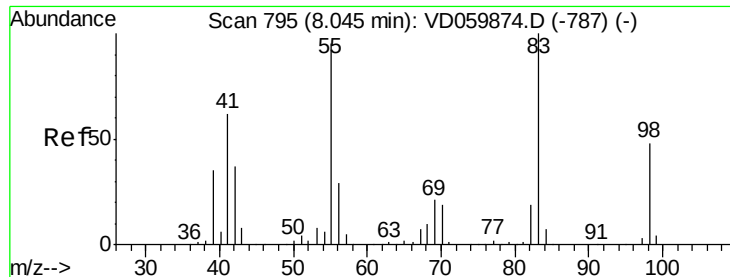
Tot Ion: 43 Resp: 249320
Ion Ratio Lower Upper
43 100
61 13.3 11.0 16.6
70 8.1 5.7 8.5



#38
Carbon Tetrachloride
Concen: 20.51 ug/l
RT: 6.48 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 117 Resp: 298876
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 31.8 24.0 36.0

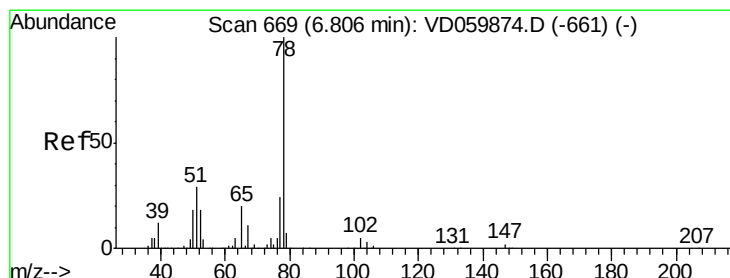
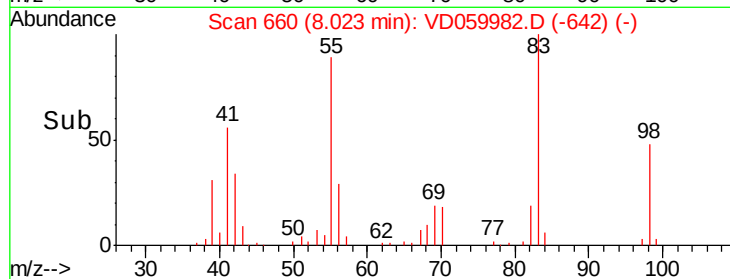
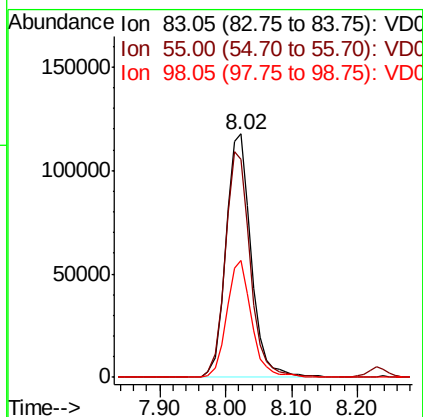
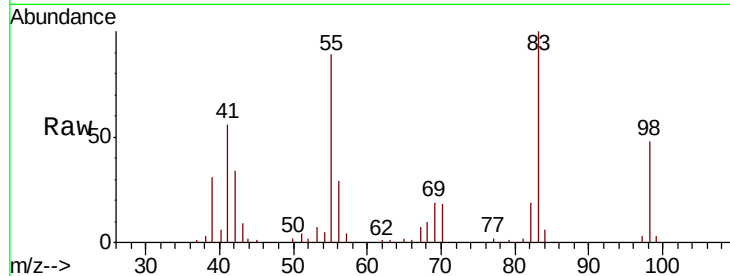




#39
Methylvlcyclohexane
Concen: 20.18 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.02 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

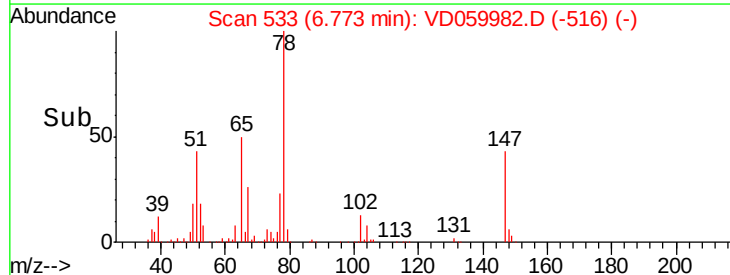
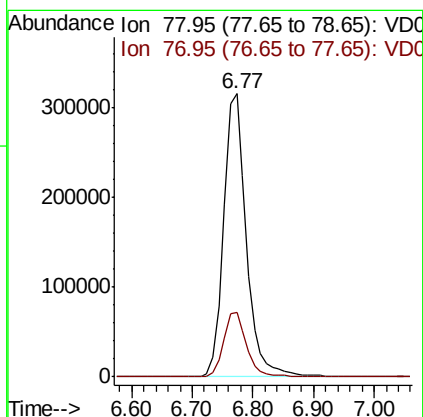
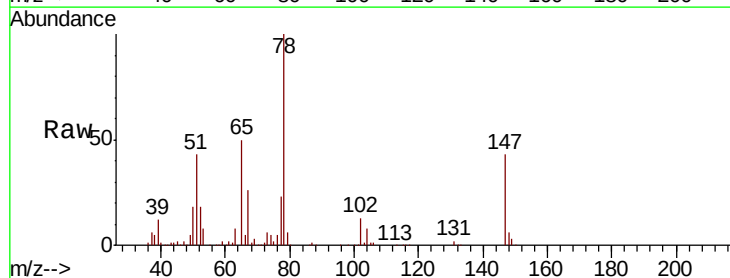
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

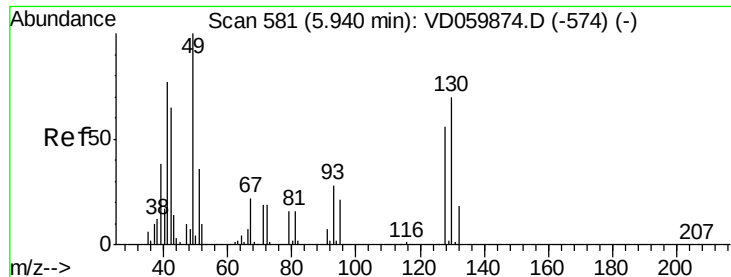
Tot Ion: 83 Resp: 314761
Ion Ratio Lower Upper
83 100
55 89.3 75.8 113.6
98 48.2 38.3 57.5



#40
Benzene
Concen: 21.85 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 78 Resp: 820474
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.4





#41

Methacrylonitrile

Concen: 50.68 ug/l

RT: 5.93 min Scan# 447

Delta R.T. -0.01 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

Tot Ion: 41 Resp: 286865

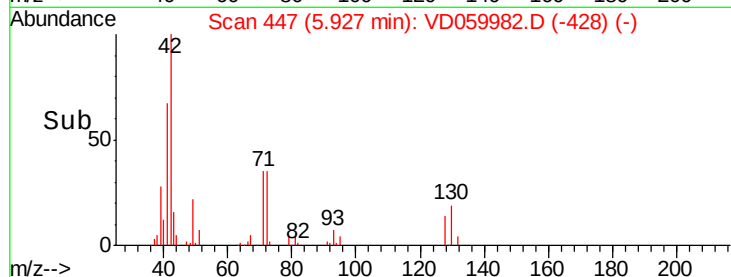
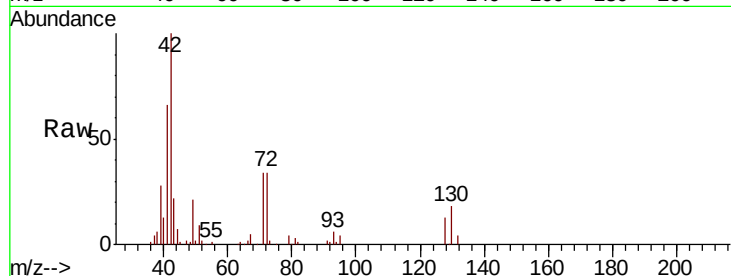
Ion Ratio Lower Upper

41 100

39 43.0 39.4 59.2

67 7.8 22.2 33.2#

52 3.6 10.1 15.1#

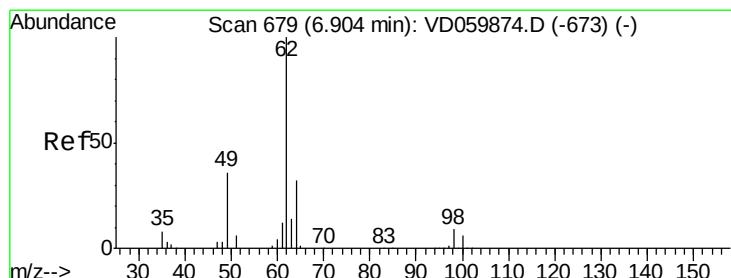
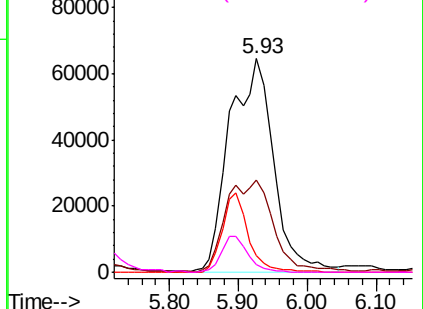


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.61 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059982.D

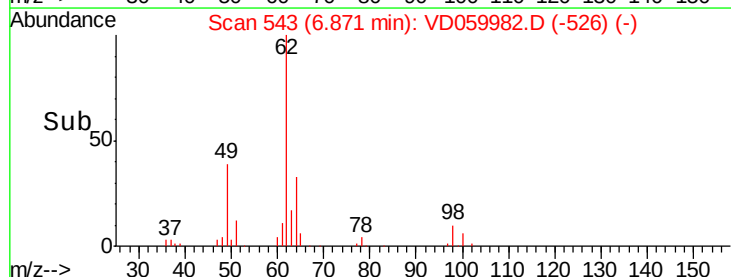
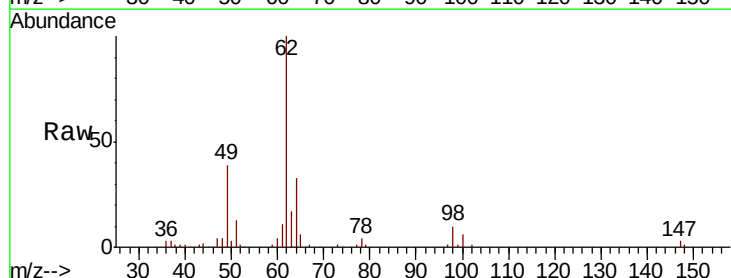
Acq: 6 Sep 2018 13:34

Tgt Ion: 62 Resp: 260415

Ion Ratio Lower Upper

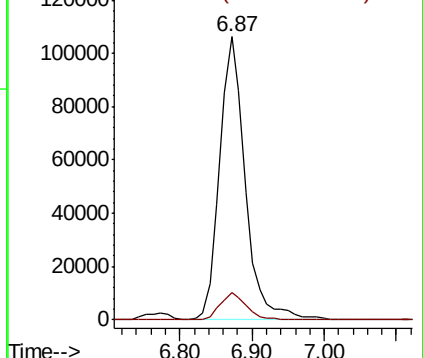
62 100

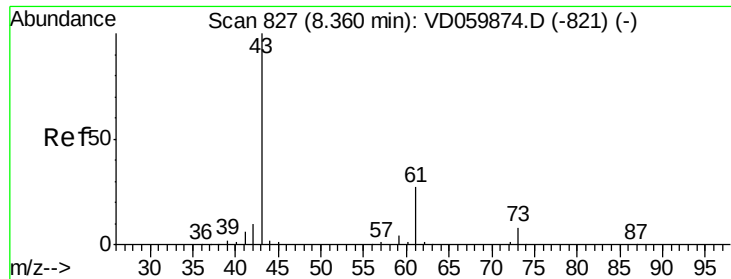
98 9.9 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



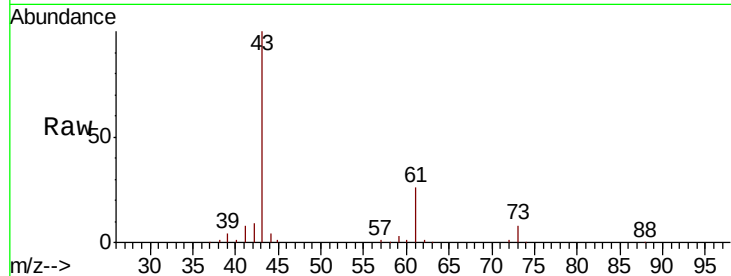


#43

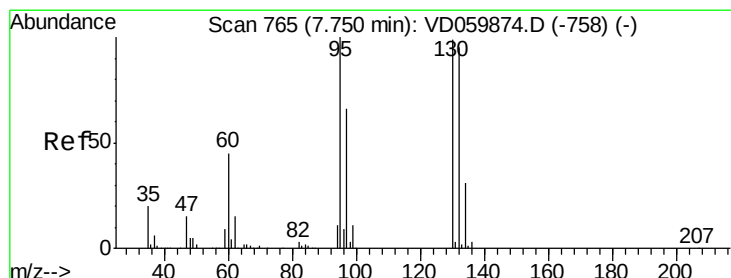
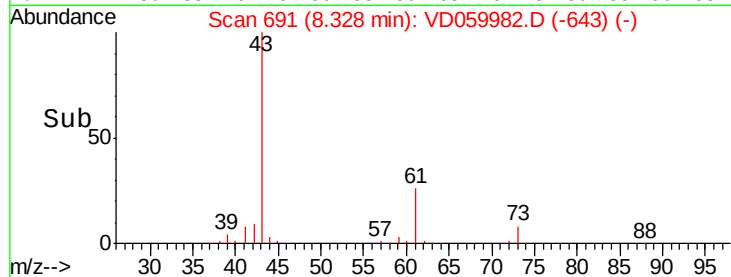
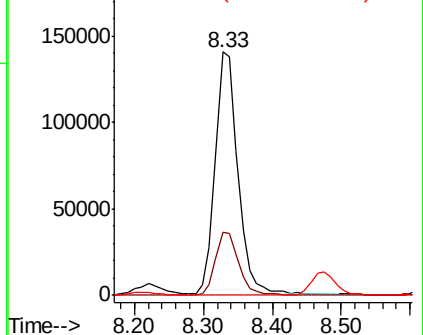
Isopropyl Acetate
 Concen: 21.98 ug/l
 RT: 8.33 min Scan# 691
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

Tot Ion: 43 Resp: 321286
 Ion Ratio Lower Upper
 43 100
 61 25.8 21.4 32.2
 87 0.0 0.2 0.4#



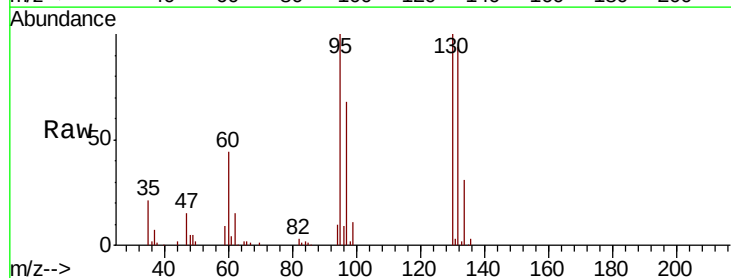
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



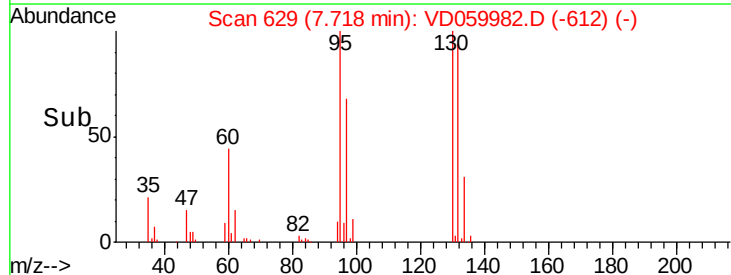
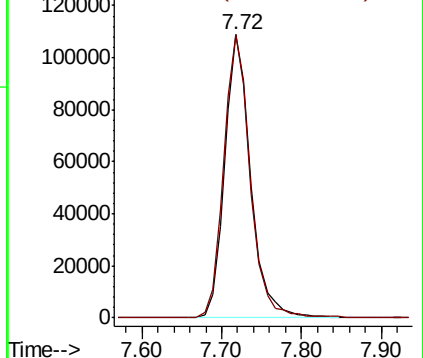
#44

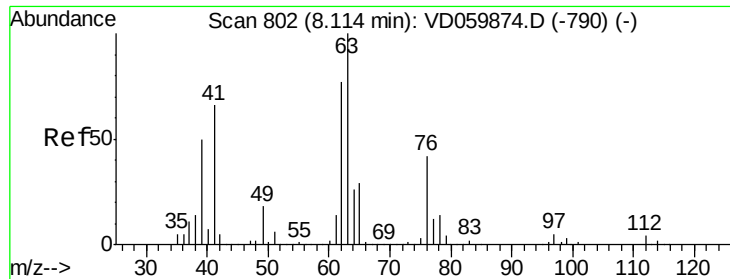
Trichloroethene
 Concen: 22.54 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion:130 Resp: 249125
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 202.0



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

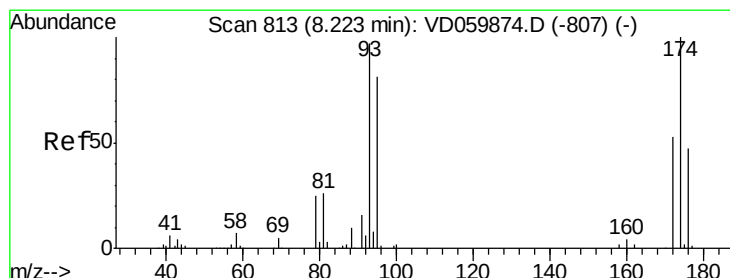
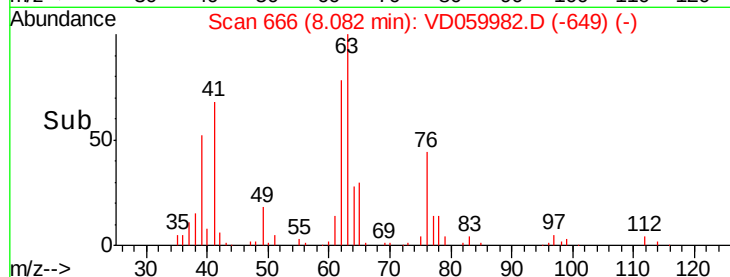
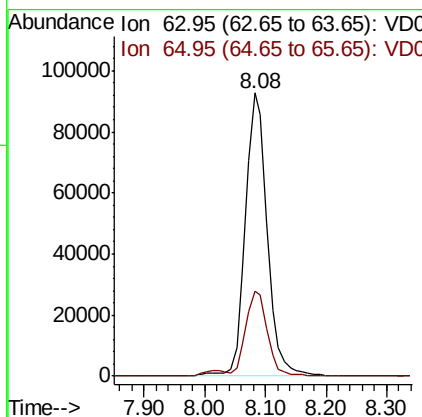
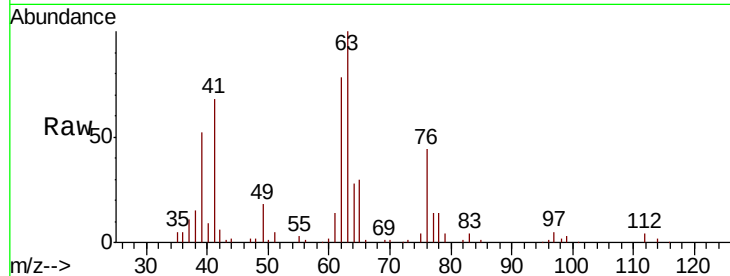




#45
 1,2-Dichloropropane
 Concen: 22.15 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

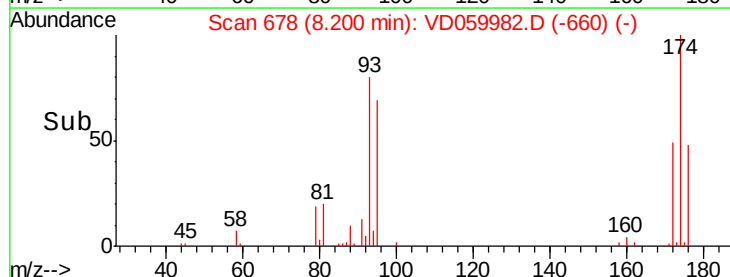
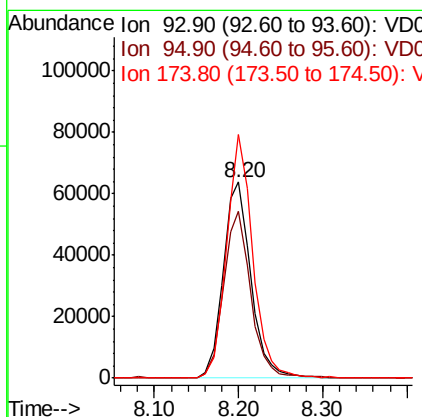
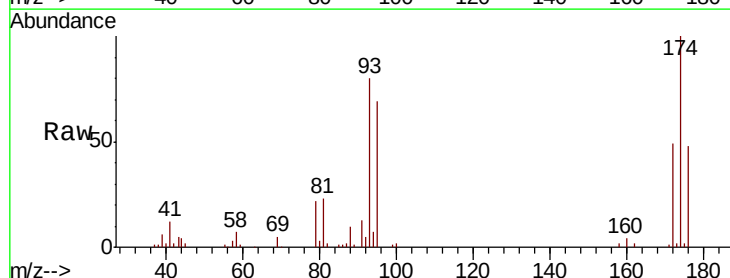
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

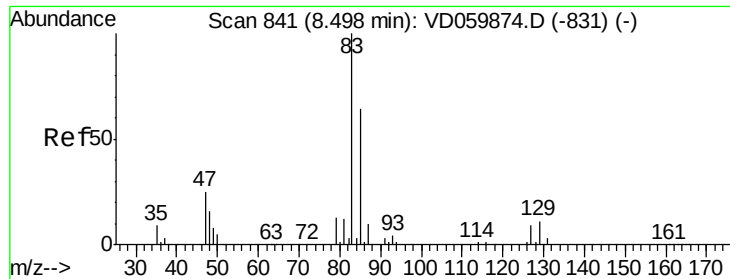
Tot Ion: 63 Resp: 232456
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.5 35.3



#46
 Dibromomethane
 Concen: 21.49 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion: 93 Resp: 144984
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.6 100.0
 174 124.4 82.4 123.6#





#47

Bromodichloromethane

Concen: 21.33 ug/l

RT: 8.48 min Scan# 706

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

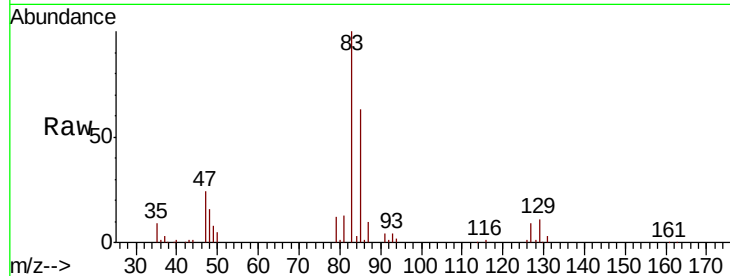
Tot Ion: 83 Resp: 325825

Ion Ratio Lower Upper

83 100

85 62.8 51.3 76.9

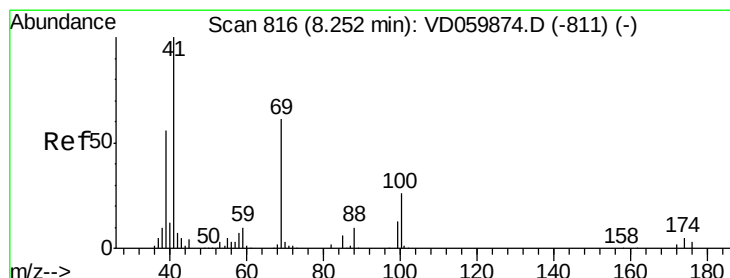
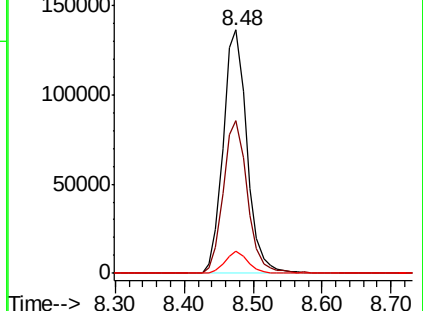
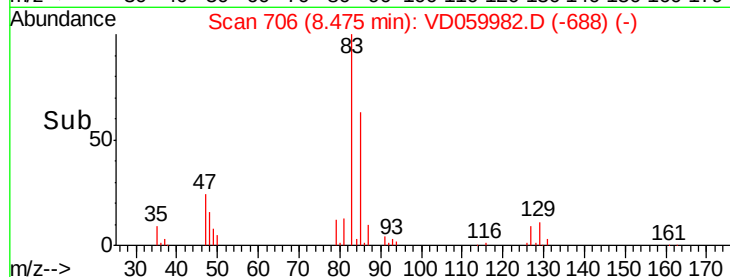
127 9.0 7.0 10.4



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: 21.24 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

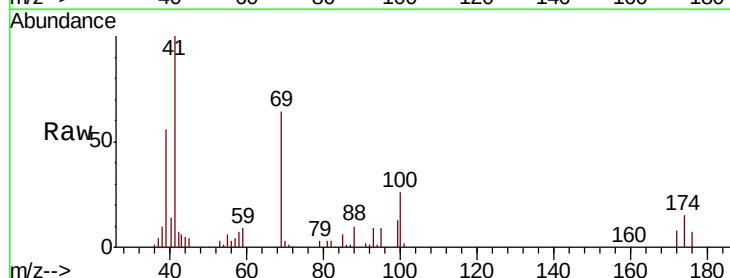
Tgt Ion: 41 Resp: 180974

Ion Ratio Lower Upper

41 100

69 63.6 48.0 72.0

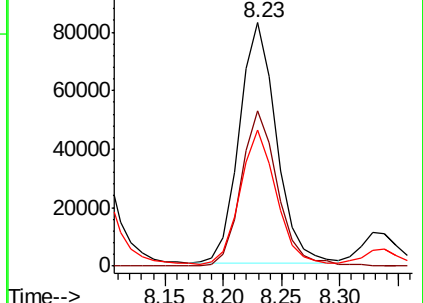
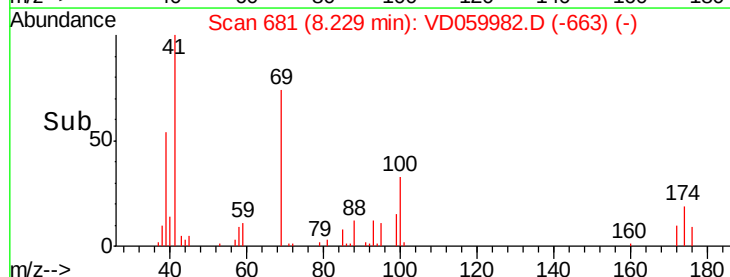
39 55.9 45.4 68.0

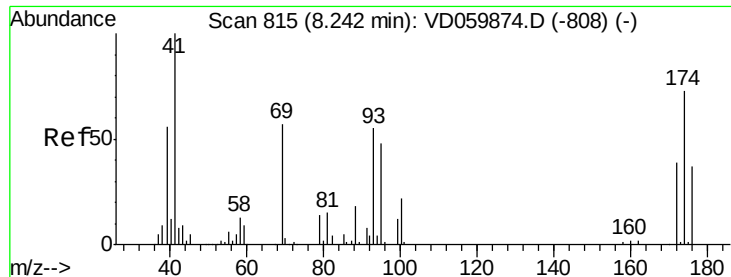


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 473.27 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.03 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

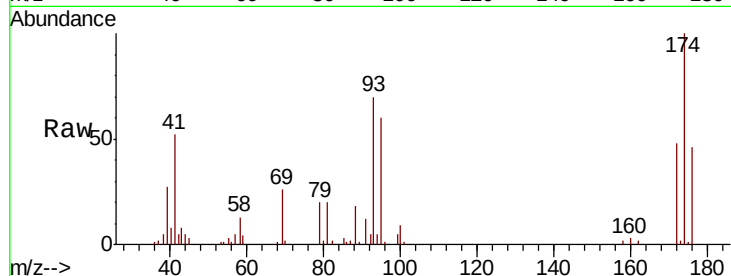
Tot Ion: 88 Resp: 36006

Ion Ratio Lower Upper

88 100

43 43.5 45.0 67.6#

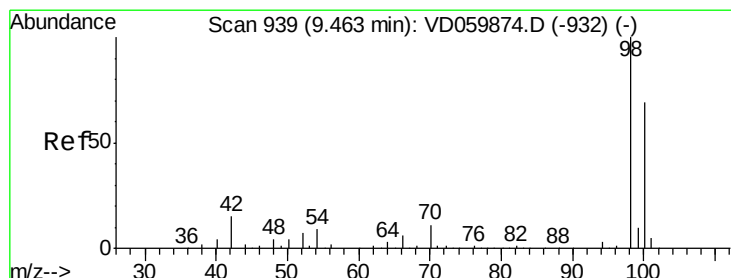
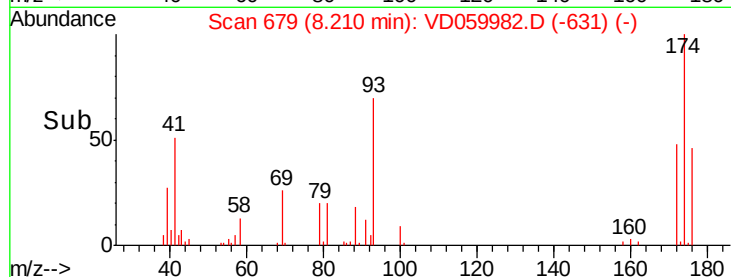
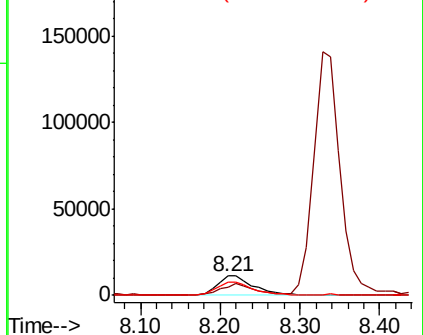
58 69.2 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 473.27 ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.02 min

Lab File: VD059982.D

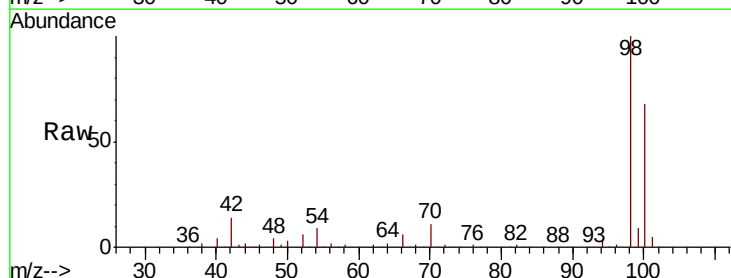
Acq: 6 Sep 2018 13:34

Tgt Ion: 98 Resp: 1792389

Ion Ratio Lower Upper

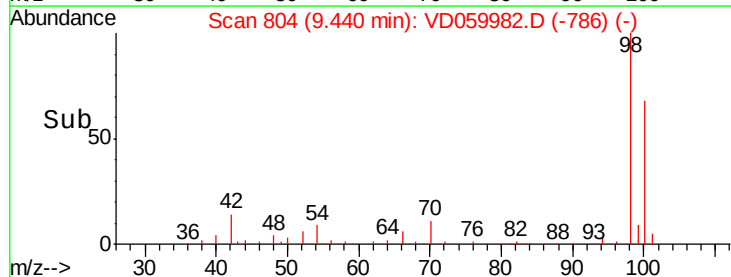
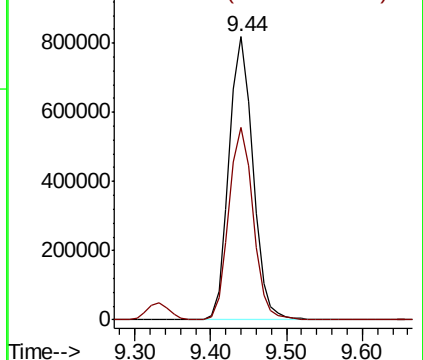
98 100

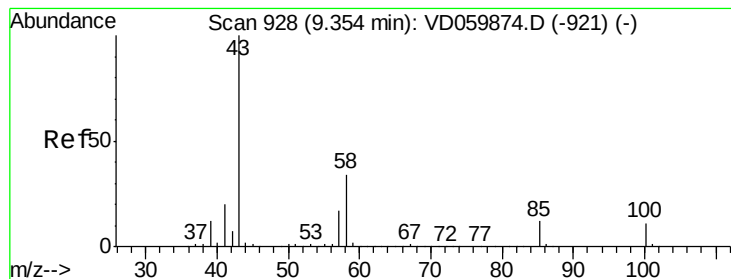
100 68.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 96.69 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

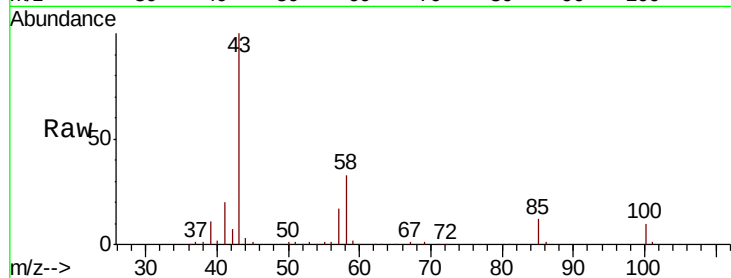
VD0906SBSD01

Tot Ion: 43 Resp: 1053794

Ion Ratio Lower Upper

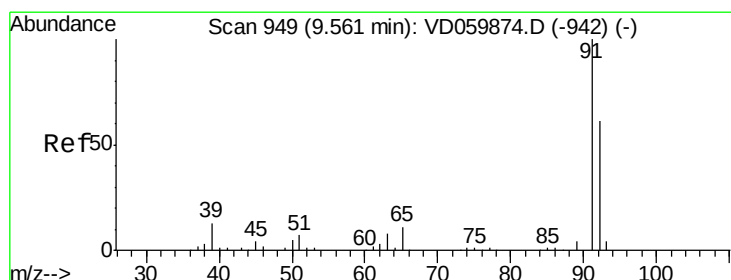
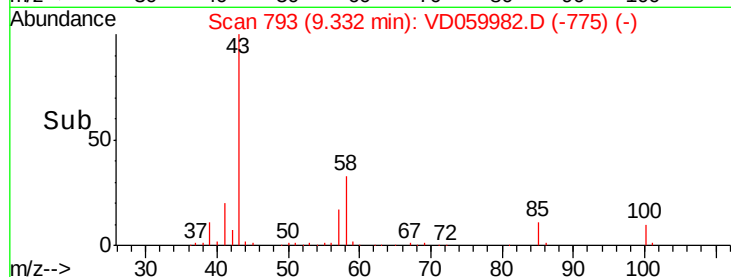
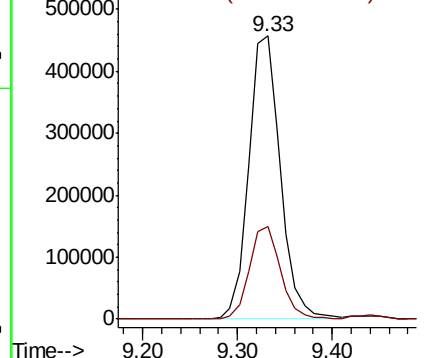
43 100

58 32.6 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.41 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD059982.D

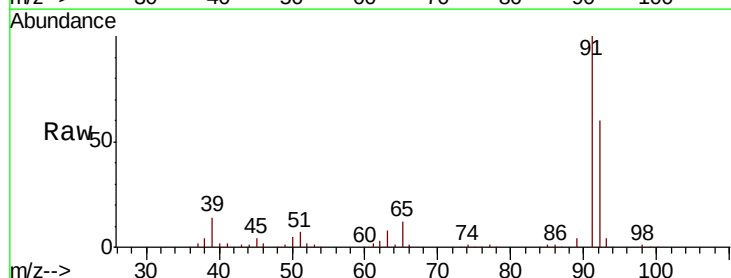
Acq: 6 Sep 2018 13:34

Tgt Ion: 92 Resp: 539533

Ion Ratio Lower Upper

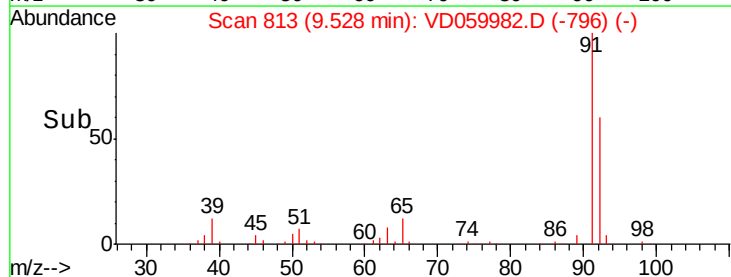
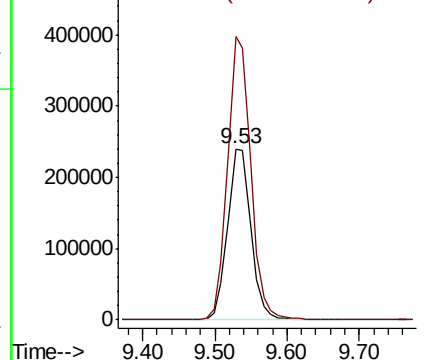
92 100

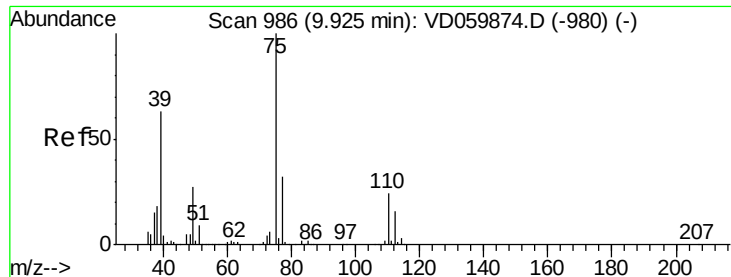
91 165.5 131.4 197.2



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: 21.17 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

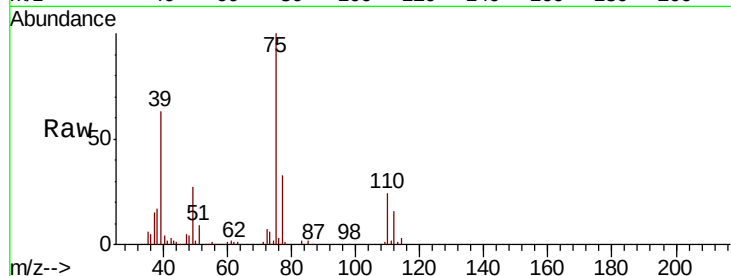
VD0906SBSD01

Tot Ion: 75 Resp: 299126

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

150000

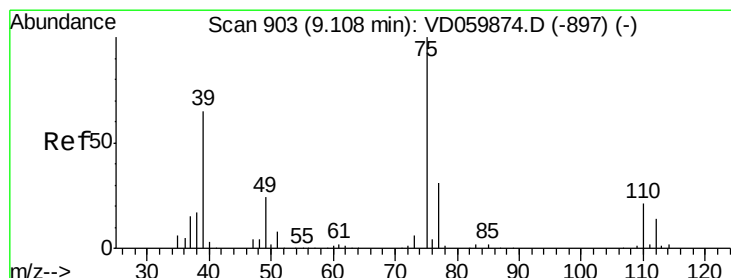
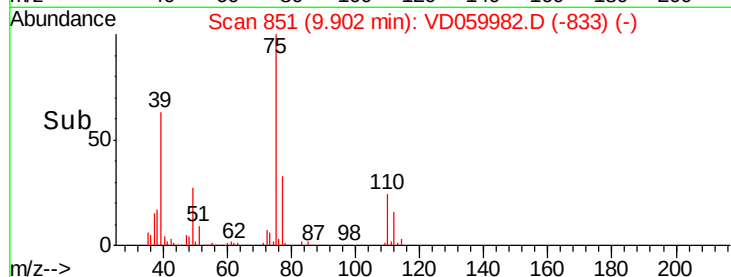
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.93 ug/l

RT: 9.09 min Scan# 768

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

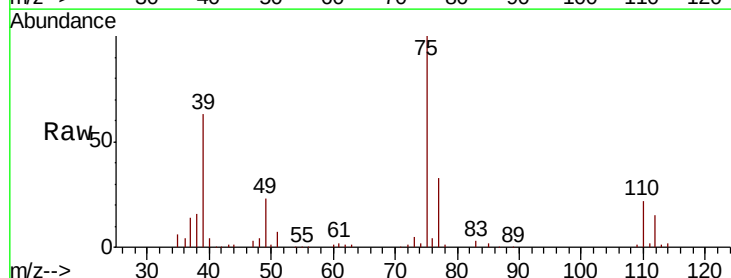
Tgt Ion: 75 Resp: 359276

Ion Ratio Lower Upper

75 100

77 33.1 24.8 37.2

39 63.0 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.09

200000

150000

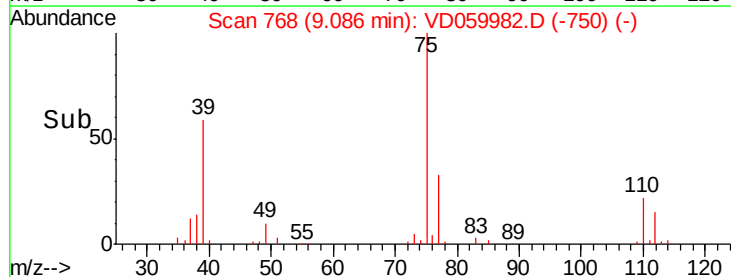
100000

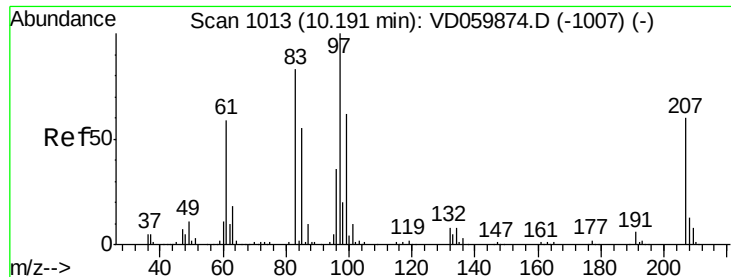
50000

0

9.00 9.10 9.20

Time-->

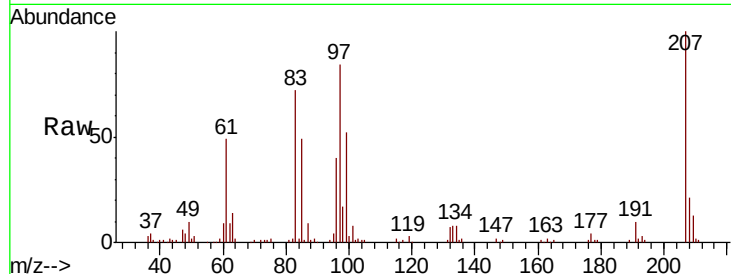




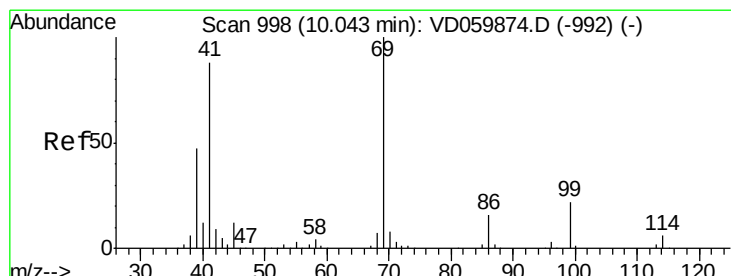
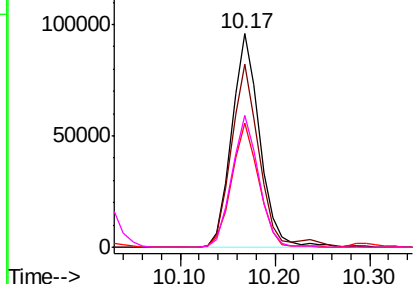
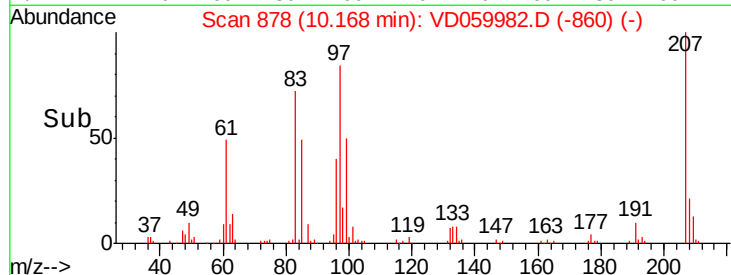
#55
 1,1,2-Trichloroethane
 Concen: 22.29 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

Tot Ion:	97	Resp:	196197
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.7	100.1
85	58.2	43.8	65.6
99	61.7	49.8	74.6

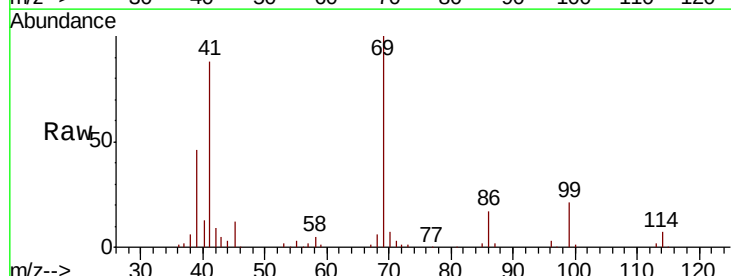


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

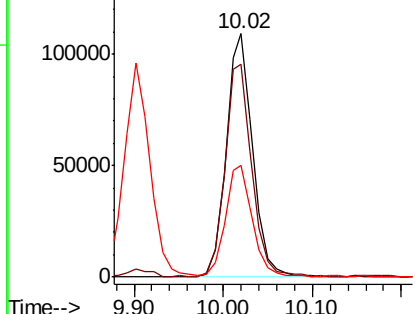
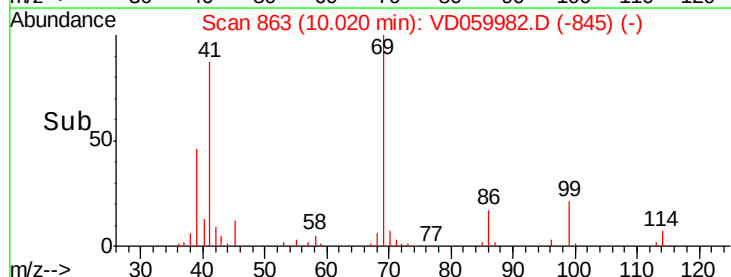


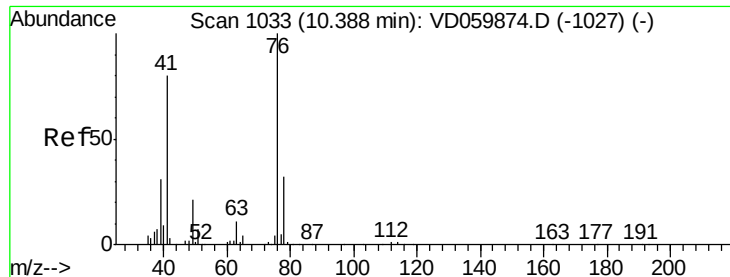
#56
 Ethyl methacrylate
 Concen: 22.25 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion:	69	Resp:	225952
Ion	Ratio	Lower	Upper
69	100		
41	87.5	71.0	106.4
39	46.1	38.5	57.7



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

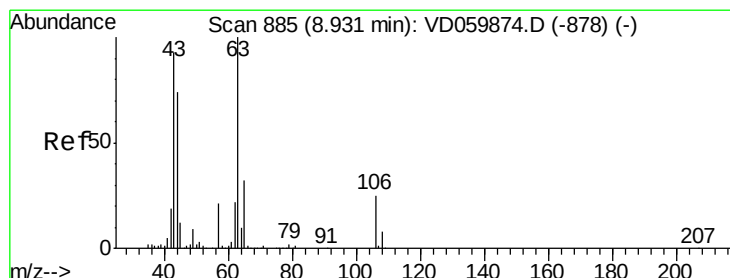
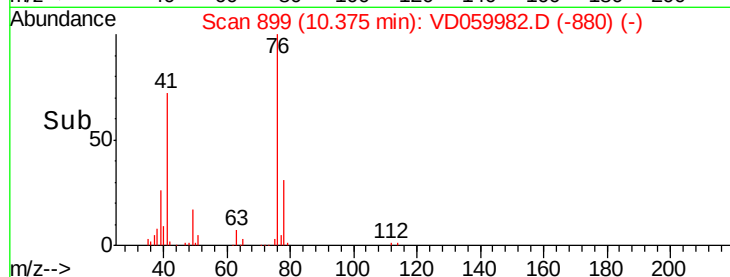
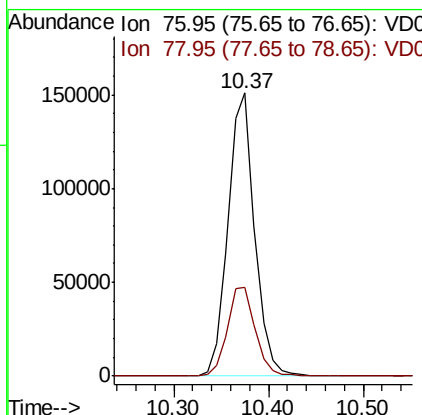
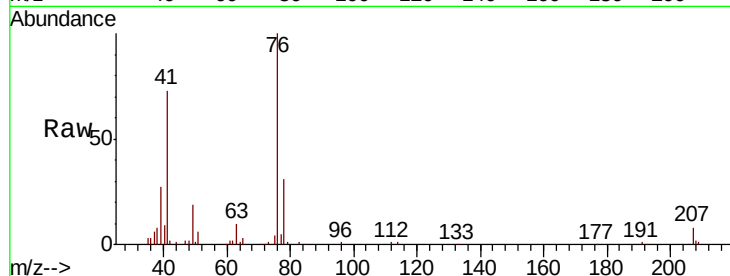




#57
 1,3-Dichloropropane
 Concen: 22.97 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

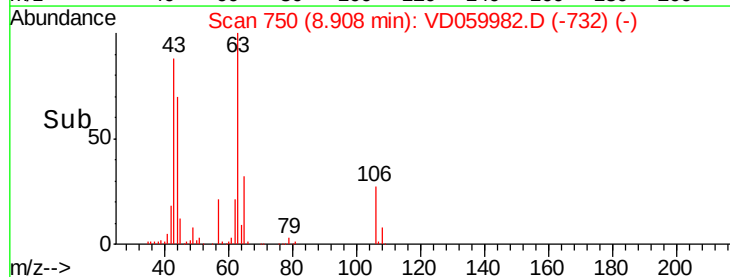
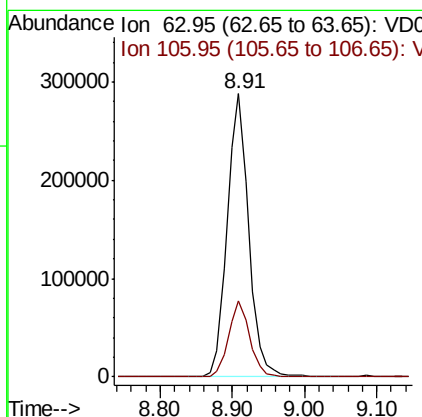
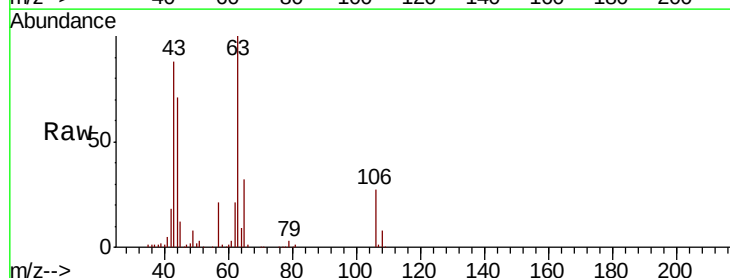
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

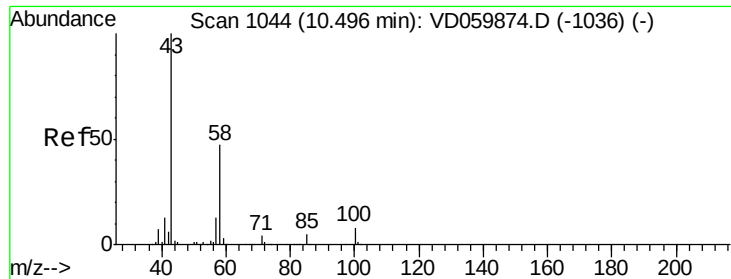
Tot Ion: 76 Resp: 292639
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.88 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion: 63 Resp: 593863
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.1 30.1

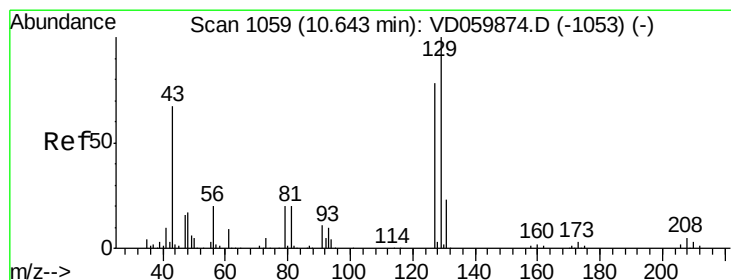
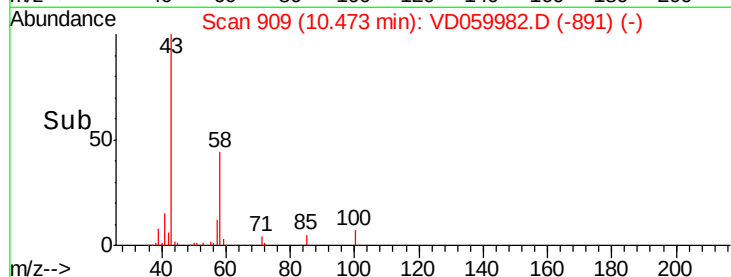
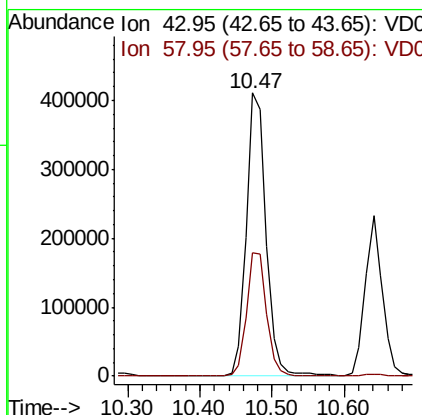
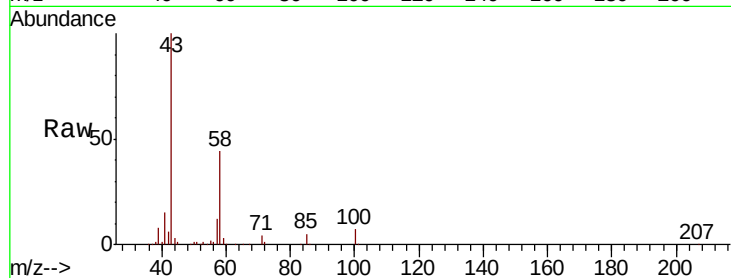




#59
2-Hexanone
Concen: 98.36 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

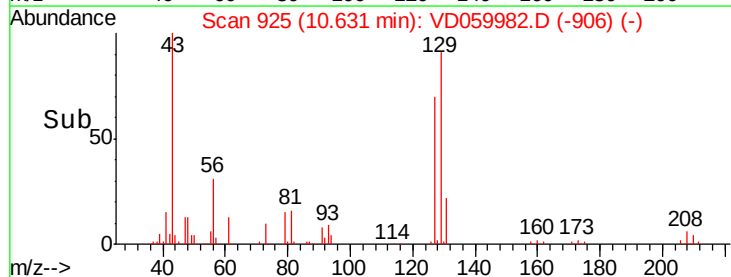
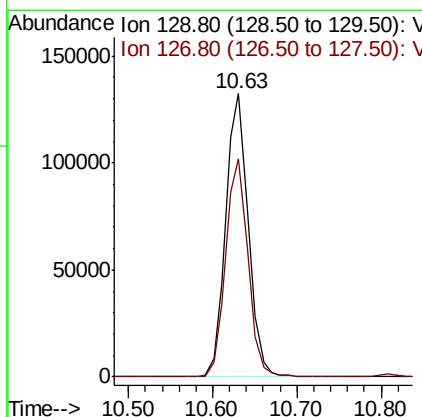
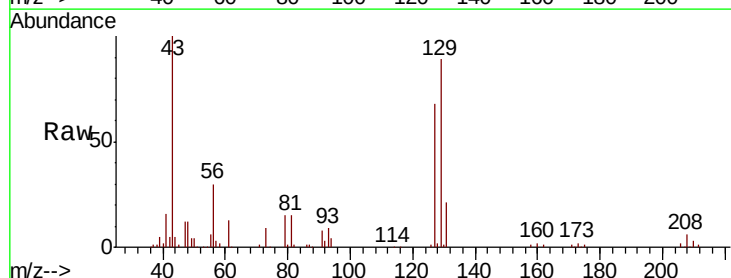
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

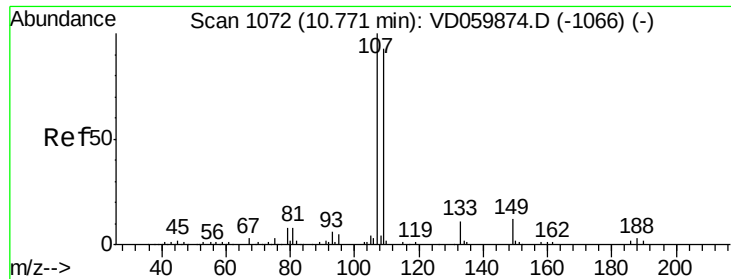
Tot Ion: 43 Resp: 790628
Ion Ratio Lower Upper
43 100
58 43.6 23.3 69.8



#60
Dibromochloromethane
Concen: 22.09 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 129 Resp: 244360
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 22.60 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

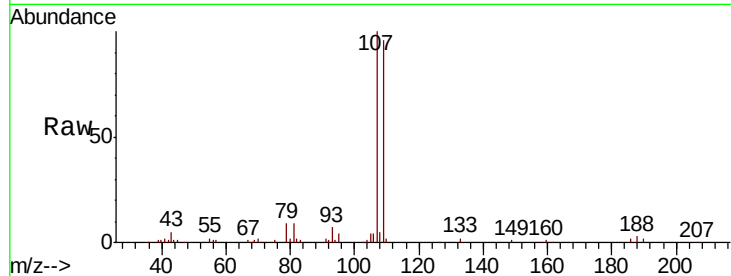
VD0906SBSD01

Tot Ion:107 Resp: 201112

Ion Ratio Lower Upper

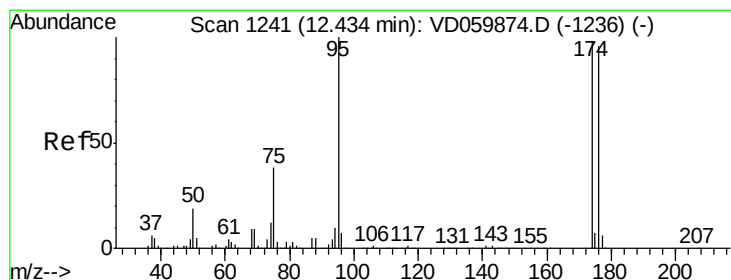
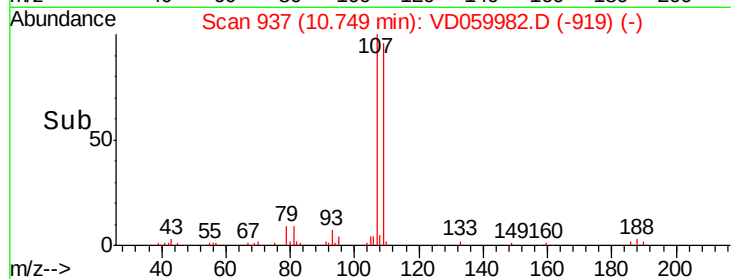
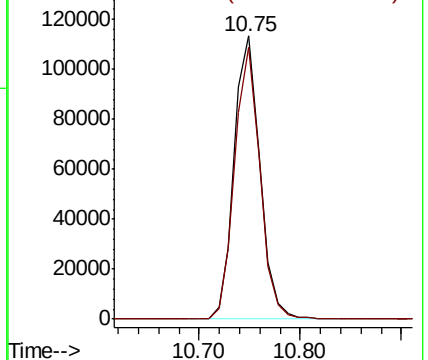
107 100

109 96.2 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.60 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

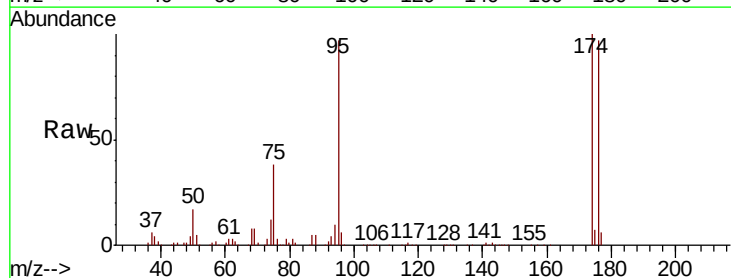
Tgt Ion: 95 Resp: 715829

Ion Ratio Lower Upper

95 100

174 103.5 0.0 195.6

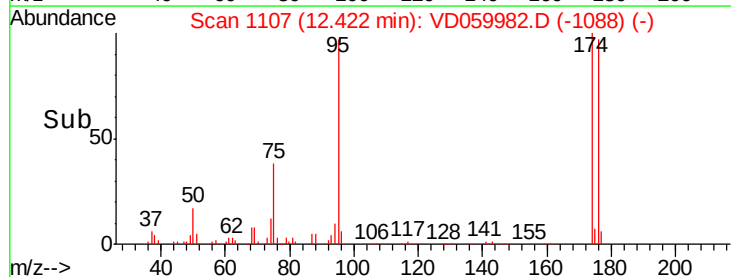
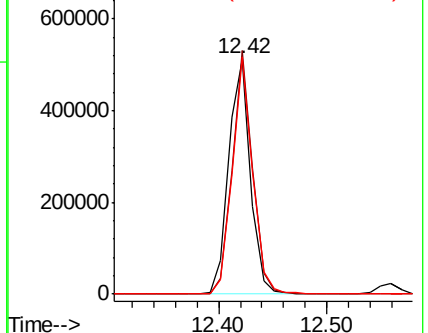
176 100.9 0.0 191.2

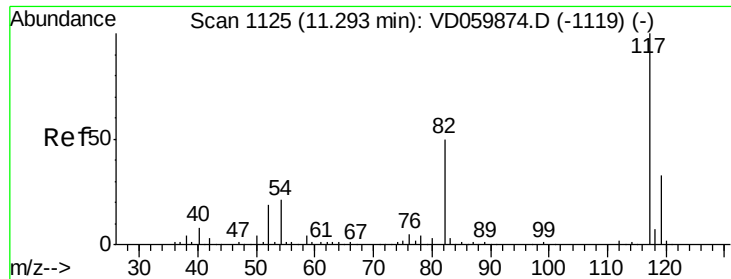


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

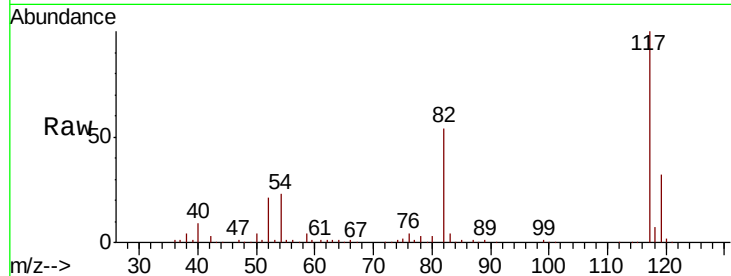




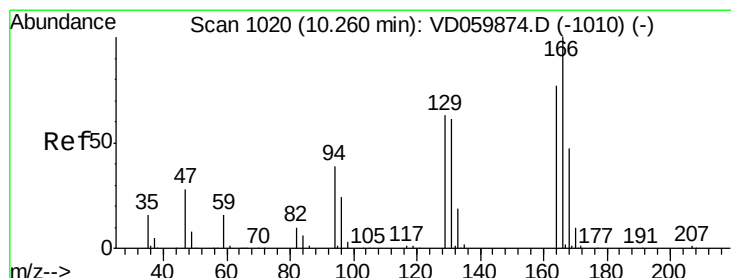
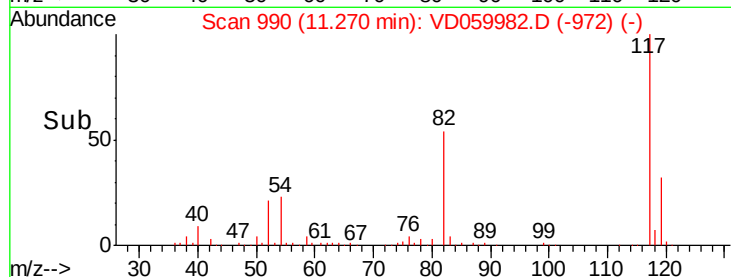
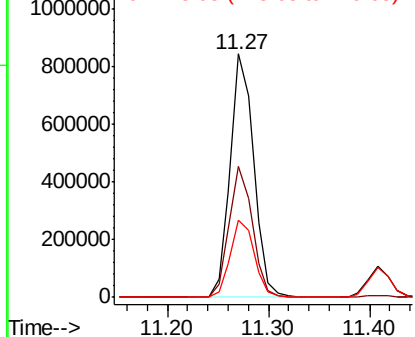
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

Tot Ion:117 Resp: 1359371
Ion Ratio Lower Upper
117 100
82 53.8 40.1 60.1
119 31.8 26.7 40.1

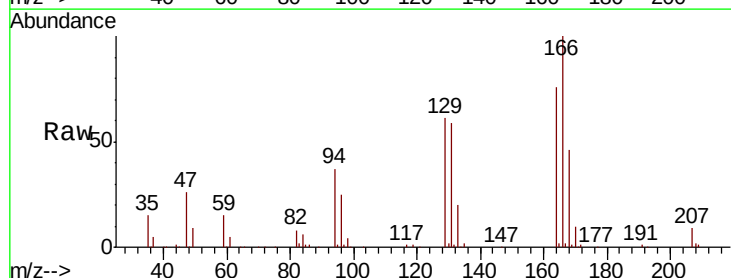


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

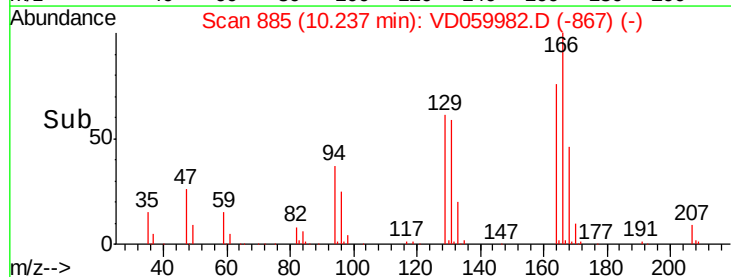
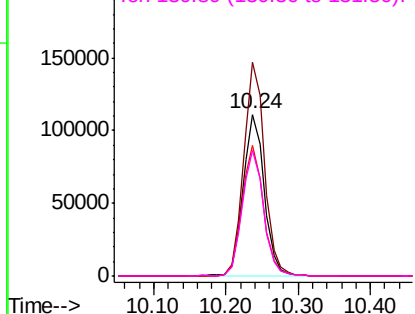


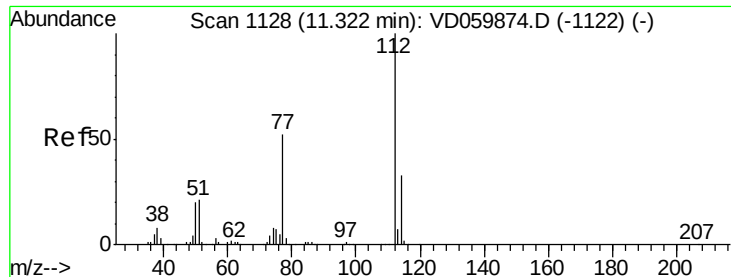
#64
Tetrachloroethene
Concen: 21.77 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.02 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion:164 Resp: 228776
Ion Ratio Lower Upper
164 100
166 132.1 103.4 155.2
129 80.4 65.2 97.8
131 77.6 63.1 94.7



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

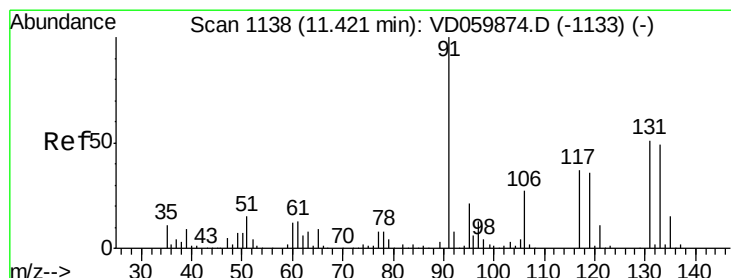
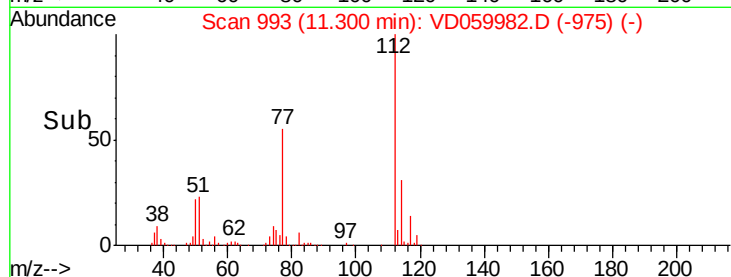
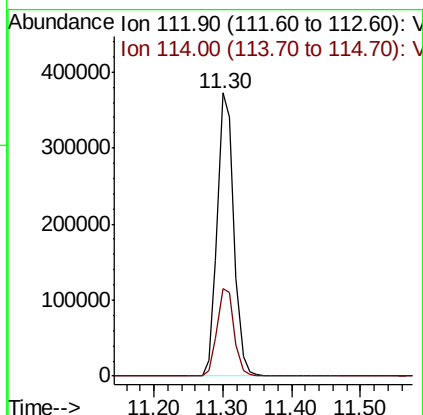
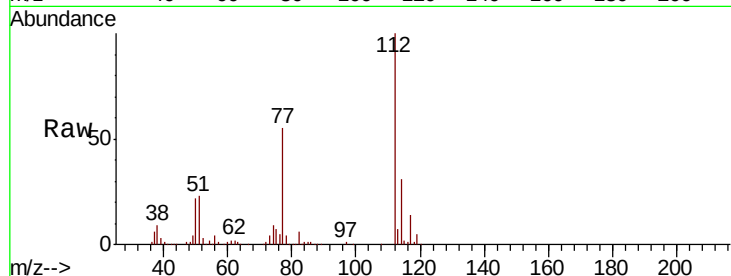




#65
Chlorobenzene
Concen: 23.09 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.02 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

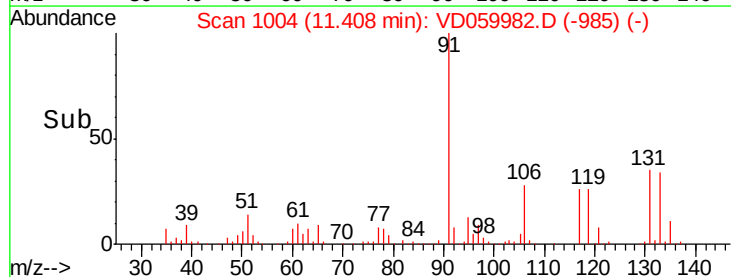
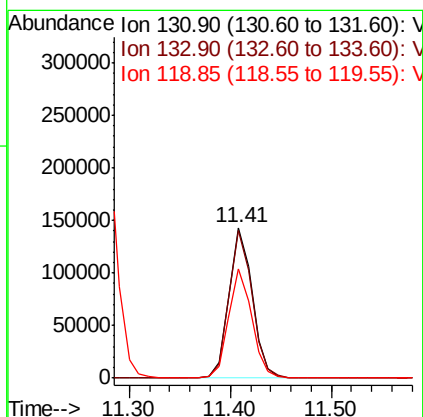
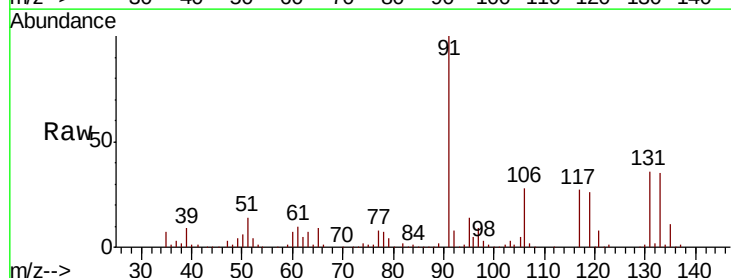
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

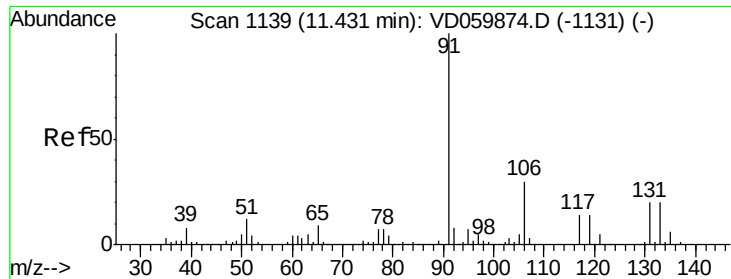
Tot Ion:112 Resp: 623693
Ion Ratio Lower Upper
112 100
114 31.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.17 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion:131 Resp: 228641
Ion Ratio Lower Upper
131 100
133 98.0 48.3 144.8
119 72.8 35.4 106.3

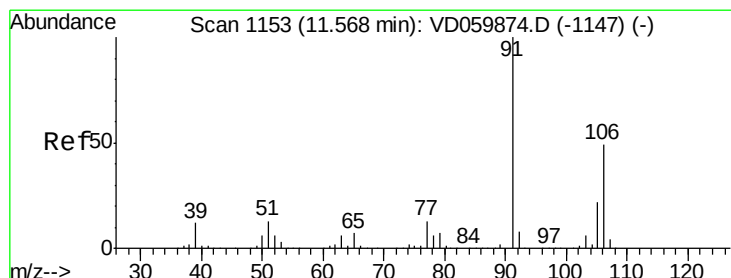
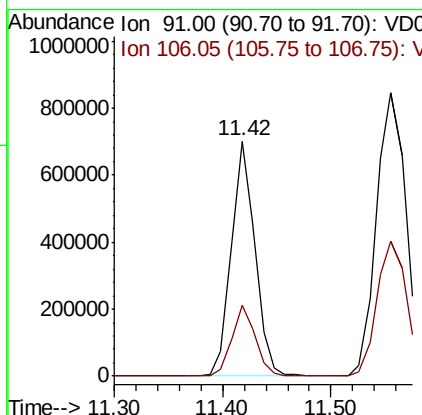
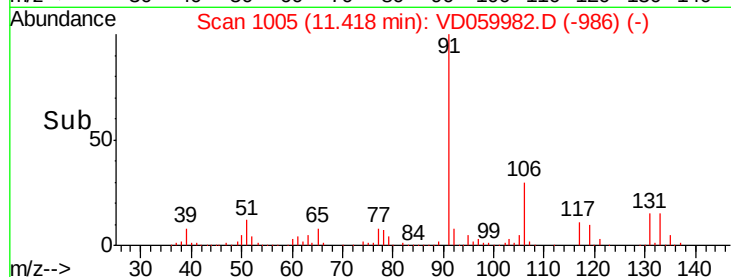
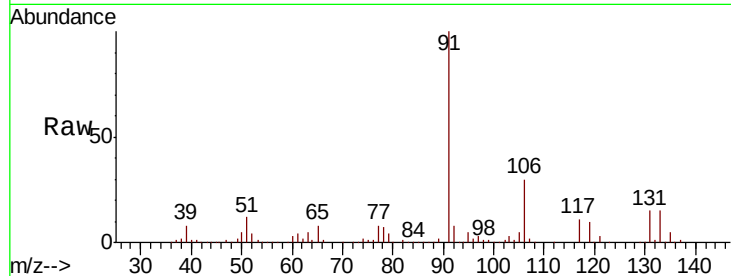




#67
Ethyl Benzene
Concen: 23.61 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

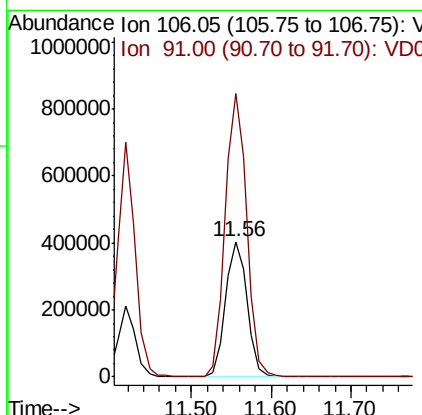
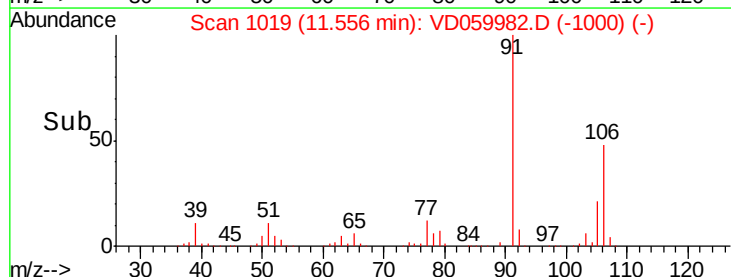
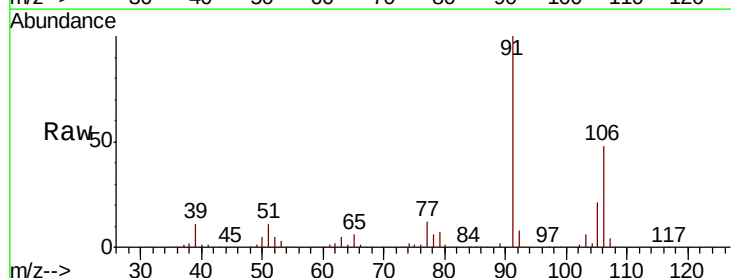
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

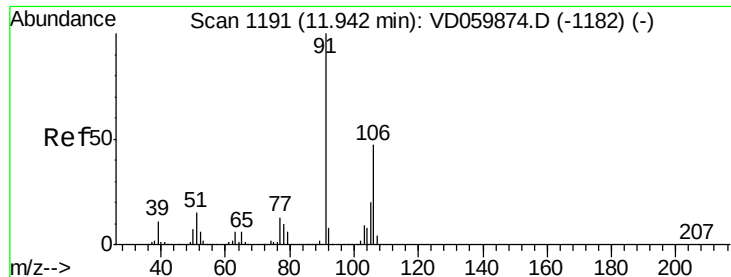
Tot Ion: 91 Resp: 1072860
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8



#68
m/p-Xylenes
Concen: 46.66 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 106 Resp: 772123
Ion Ratio Lower Upper
106 100
91 209.1 162.0 243.0

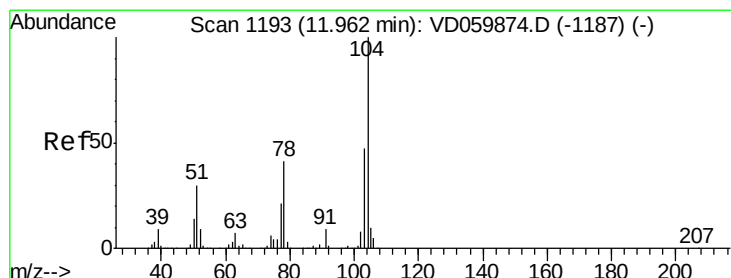
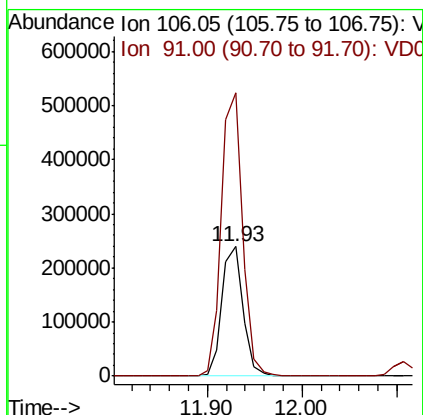
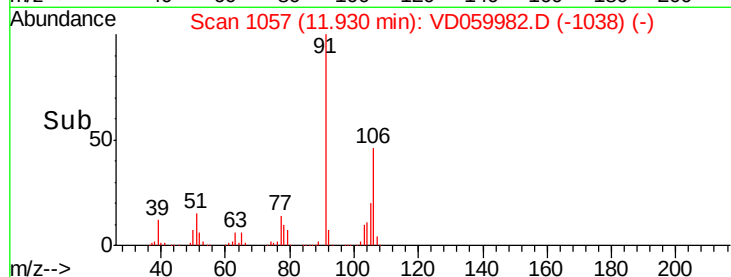
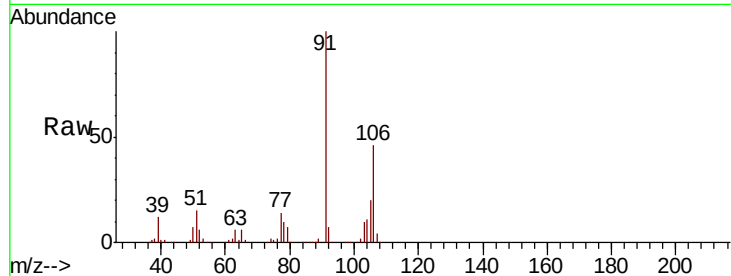




#69
o-Xylene
Concen: 22.84 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

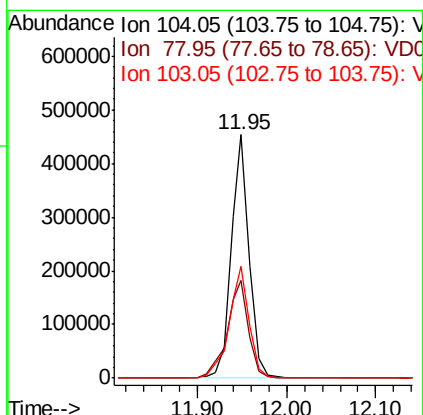
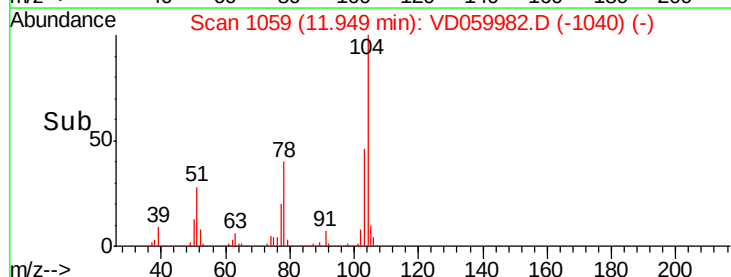
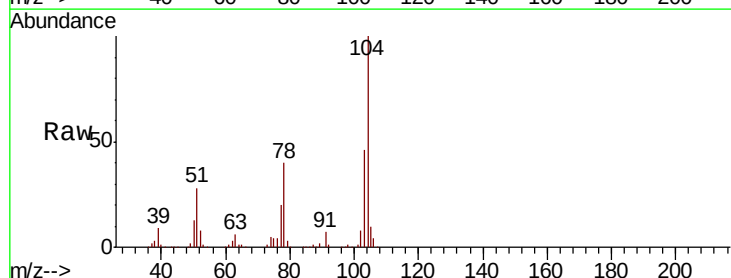
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

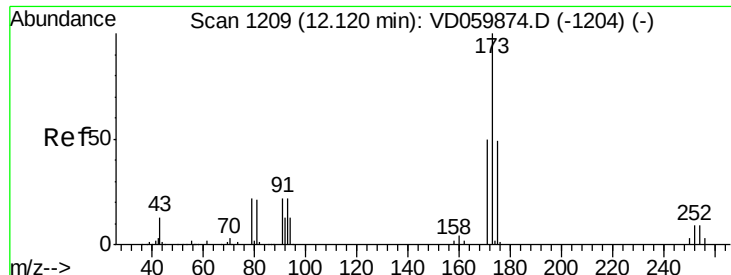
Tot Ion:106 Resp: 369653
Ion Ratio Lower Upper
106 100
91 218.9 107.3 322.0



#70
Styrene
Concen: 22.84 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion:104 Resp: 640054
Ion Ratio Lower Upper
104 100
78 40.3 32.6 49.0
103 46.0 37.7 56.5

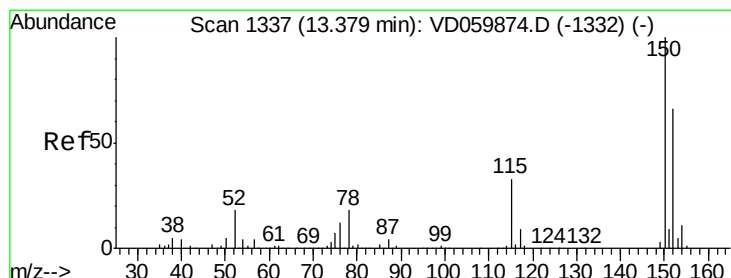
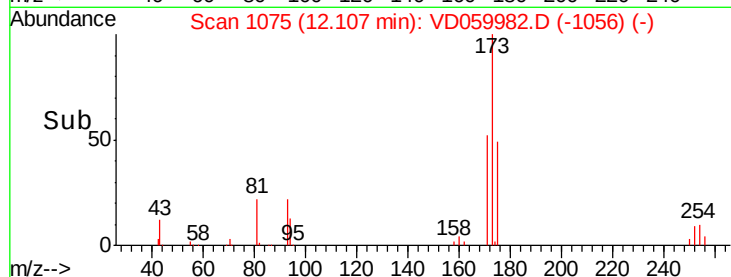
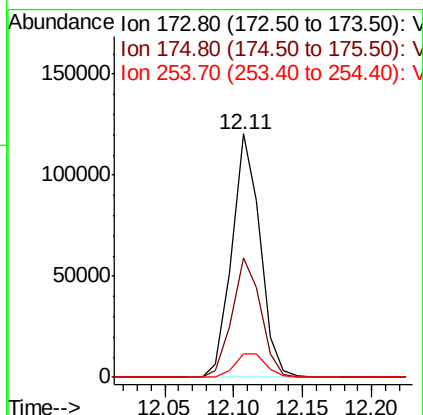
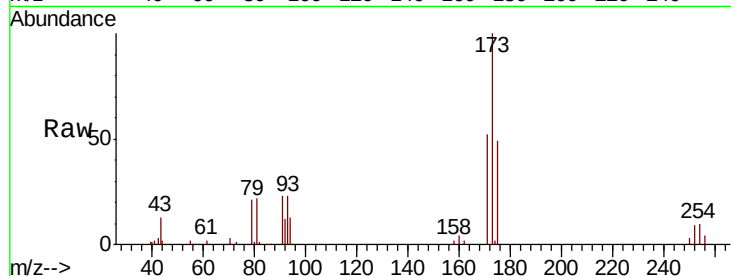




#71
Bromoform
Concen: 20.08 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

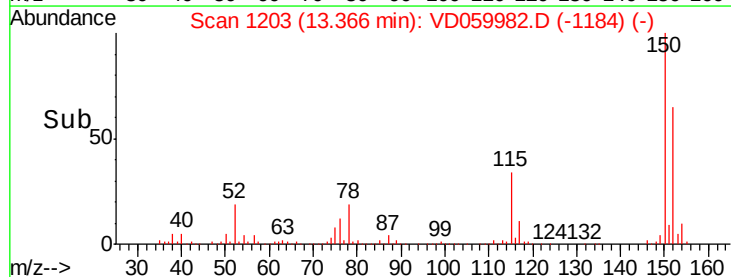
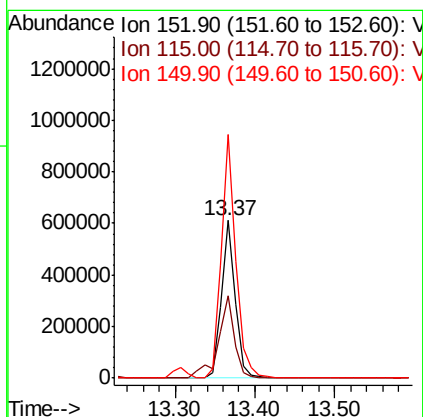
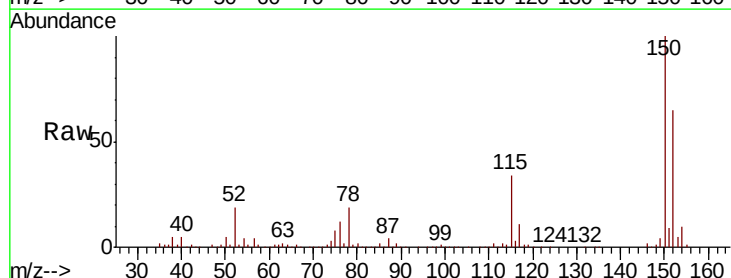
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

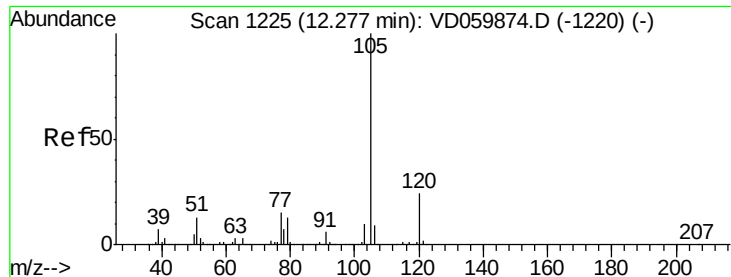
Tot Ion:173 Resp: 171490
Ion Ratio Lower Upper
173 100
175 49.3 24.3 73.0
254 9.8 7.0 10.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion:152 Resp: 749853
Ion Ratio Lower Upper
152 100
115 52.2 25.7 77.0
150 154.5 0.0 310.2





#73

Isopropylbenzene

Concen: 21.38 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

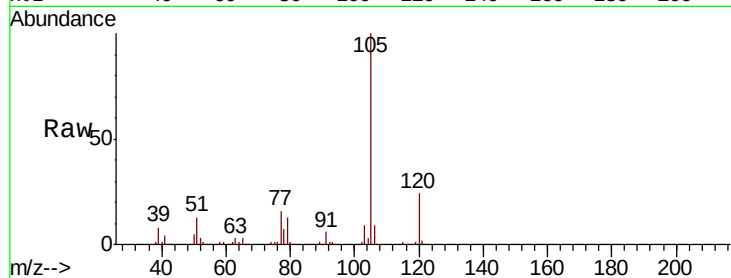
VD0906SBSD01

Tot Ion:105 Resp: 1023618

Ion Ratio Lower Upper

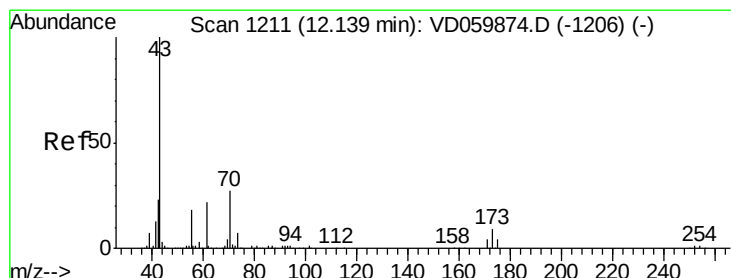
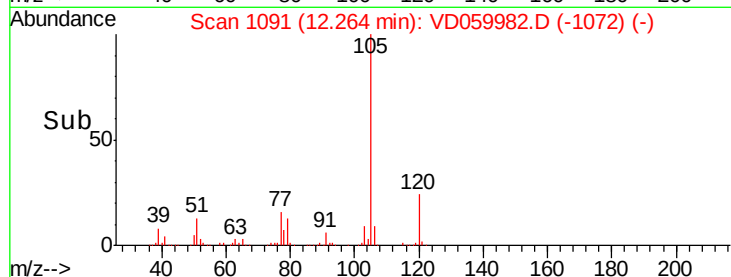
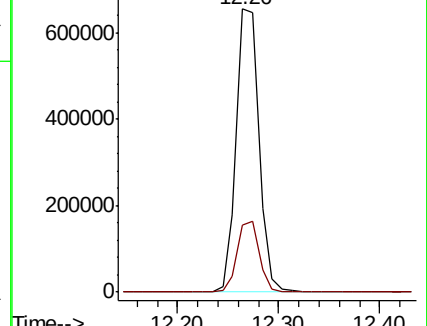
105 100

120 23.6 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.83 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Tgt Ion: 43 Resp: 415515

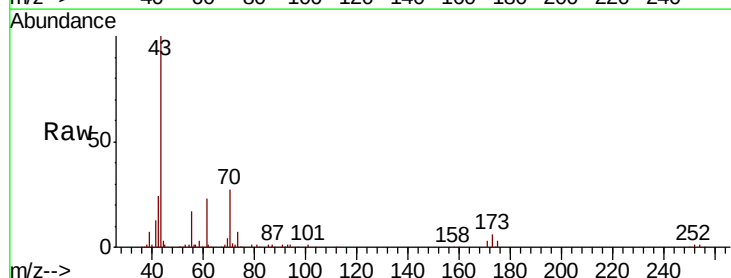
Ion Ratio Lower Upper

43 100

70 27.4 21.4 32.2

55 17.1 14.1 21.1

61 22.7 17.8 26.8

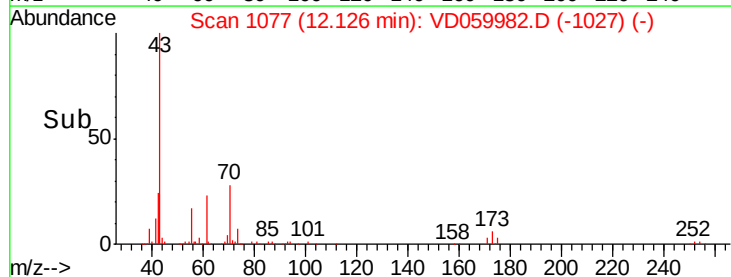
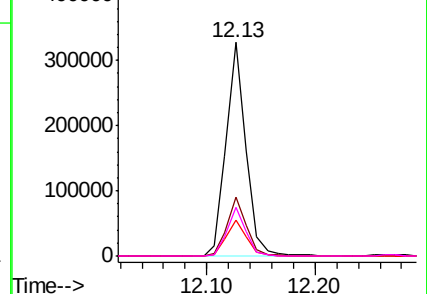


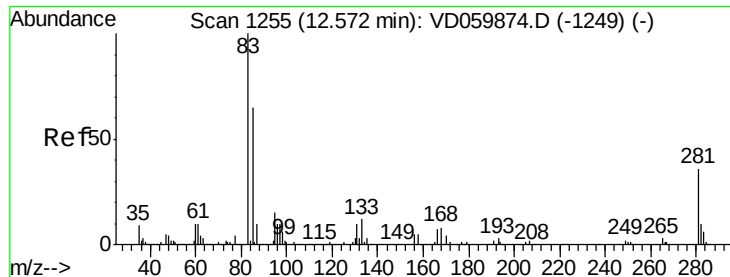
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.66 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

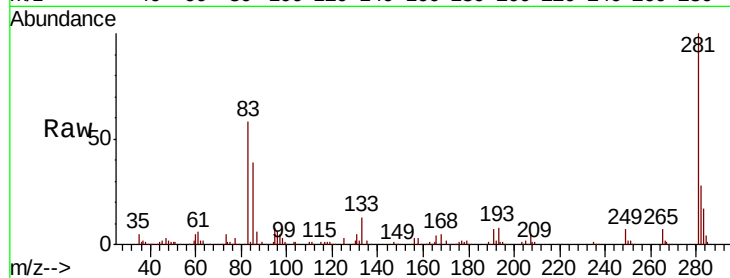
Tot Ion: 83 Resp: 239818

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.4

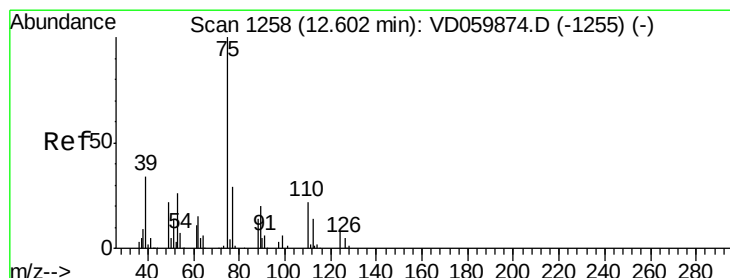
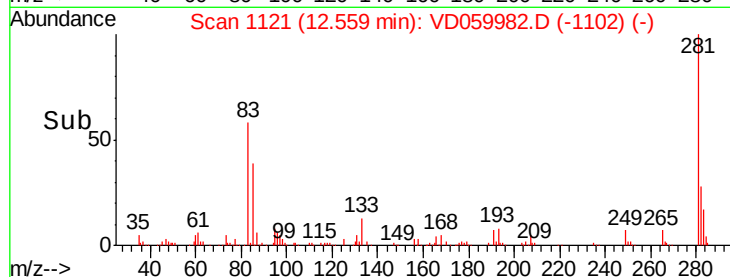
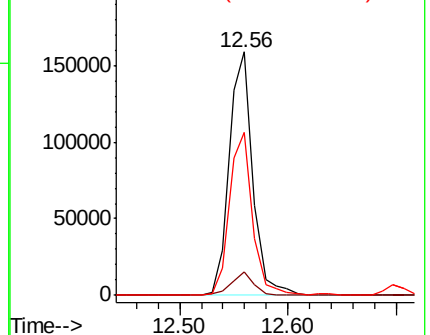
85 66.9 32.6 97.8



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: 20.63 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD059982.D

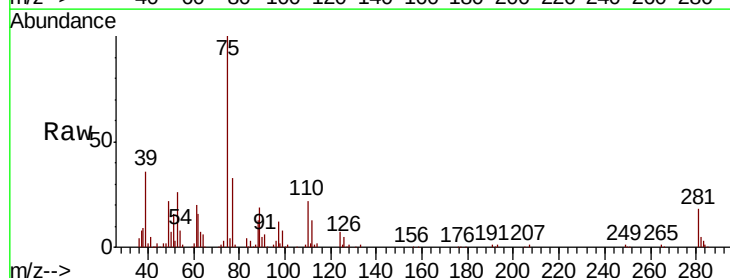
Acq: 6 Sep 2018 13:34

Tgt Ion: 75 Resp: 240375

Ion Ratio Lower Upper

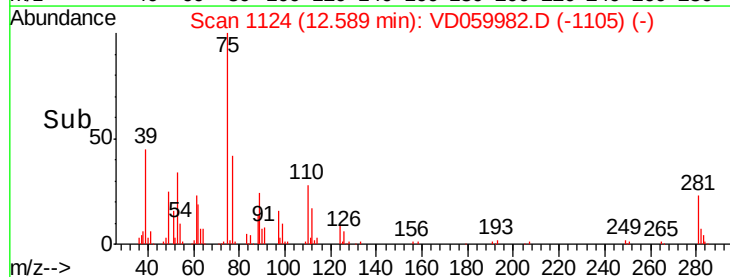
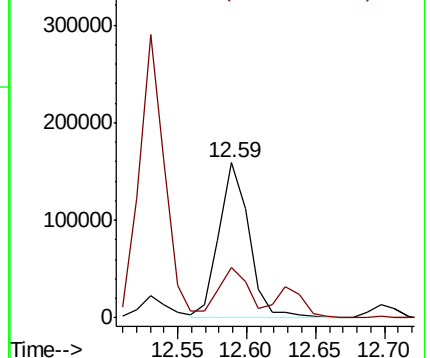
75 100

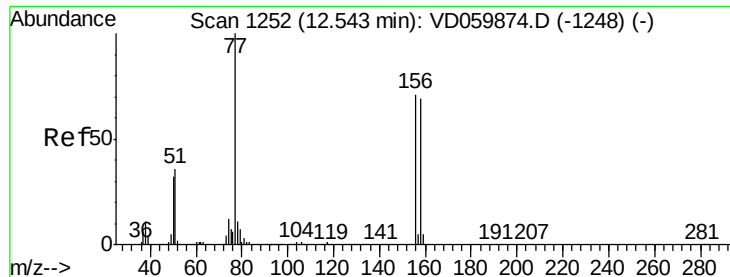
77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

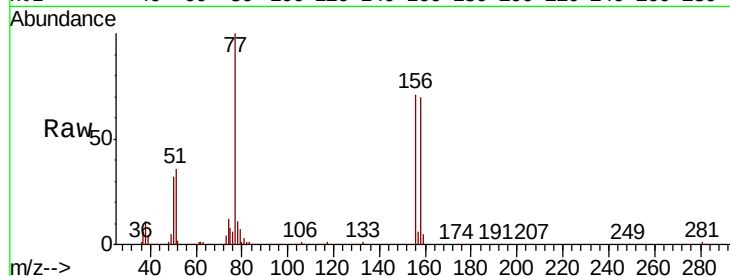




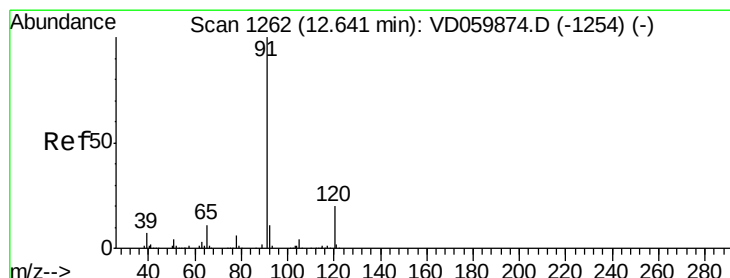
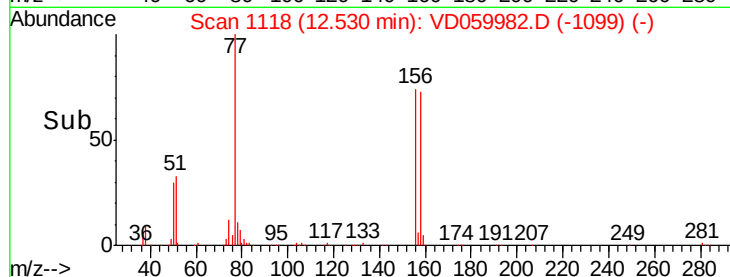
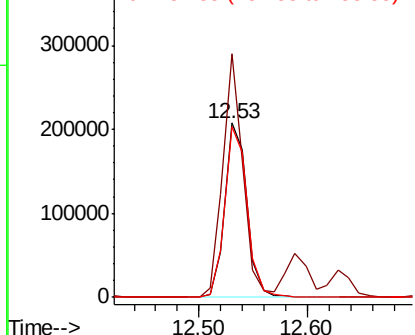
#77
Bromobenzene
Concen: 22.09 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

Tot Ion:156 Resp: 293140
Ion Ratio Lower Upper
156 100
77 139.9 70.2 210.4
158 98.5 48.4 145.2

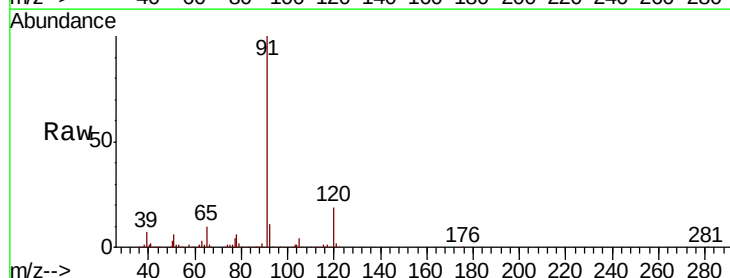


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

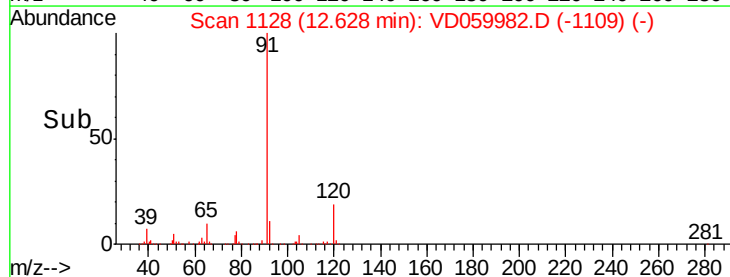
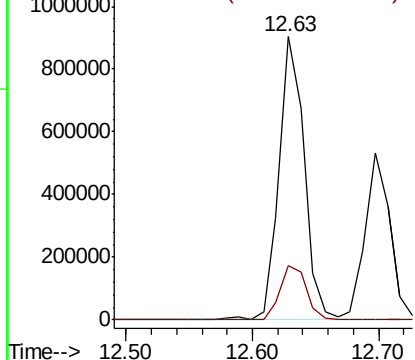


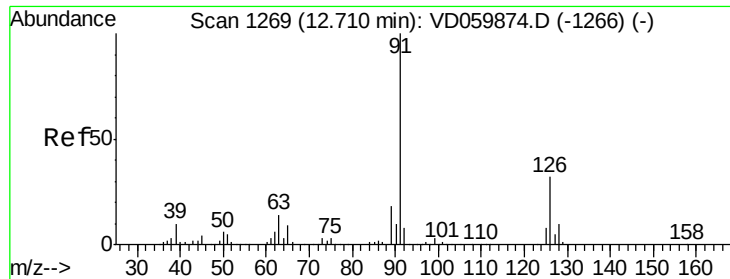
#78
n-propylbenzene
Concen: 20.75 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 91 Resp: 1257806
Ion Ratio Lower Upper
91 100
120 19.0 10.1 30.3



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

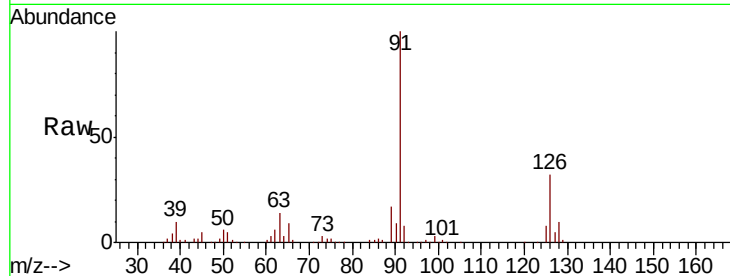




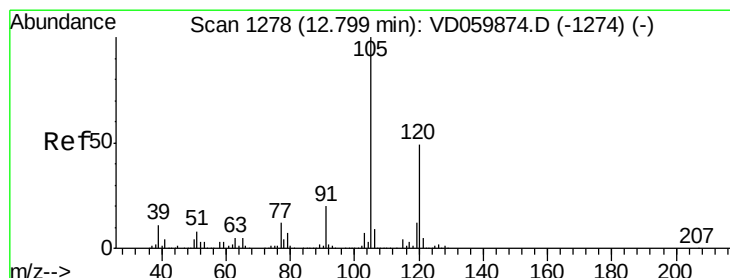
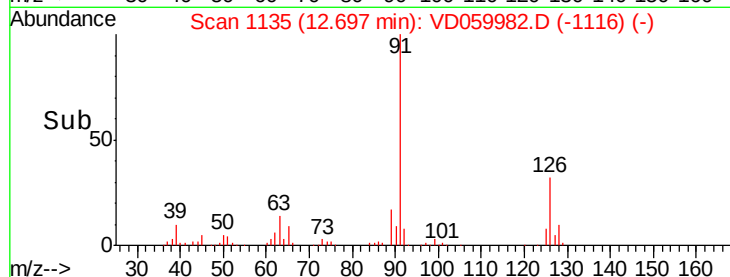
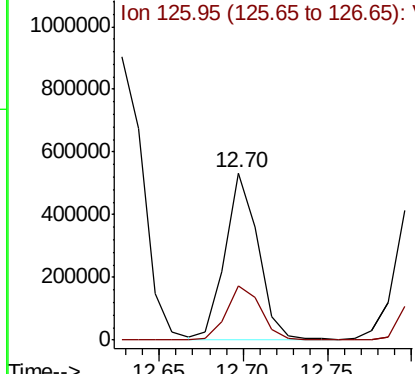
#79
 2-Chlorotoluene
 Concen: 21.17 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

Tot Ion: 91 Resp: 725812
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.1 48.2

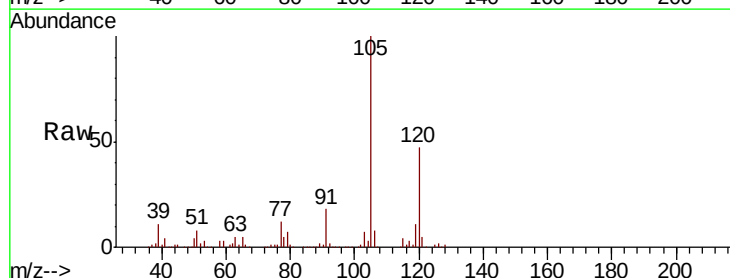


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

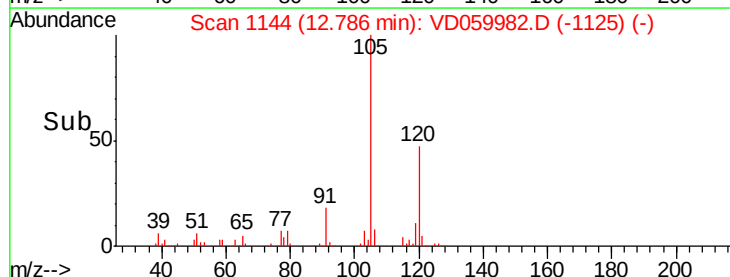
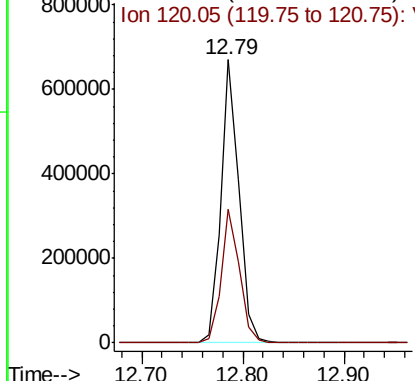


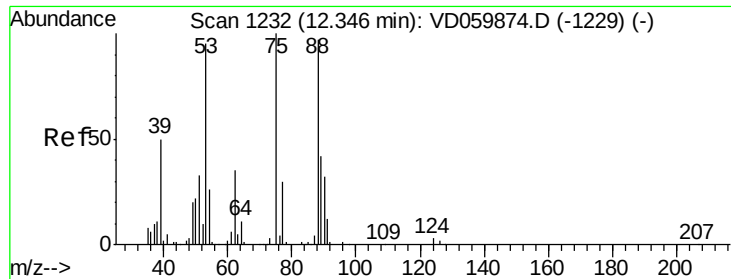
#80
 1,3,5-Trimethylbenzene
 Concen: 21.99 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion:105 Resp: 836924
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.5 73.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.67 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD059982.D

Acq: 6 Sep 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBSD01

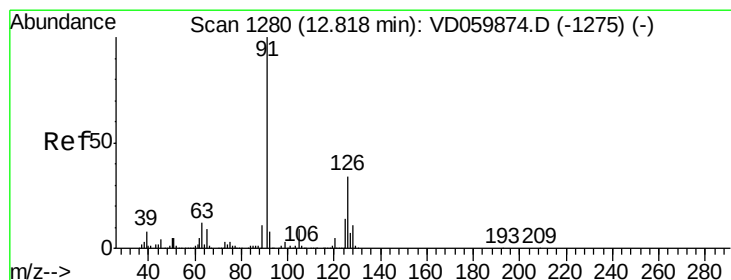
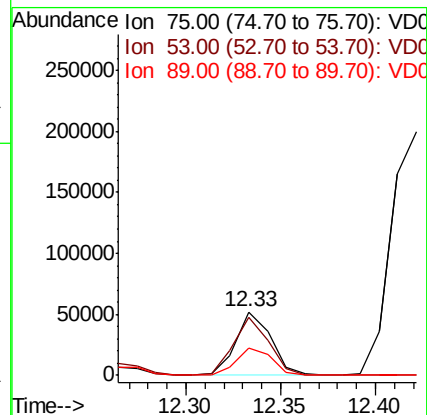
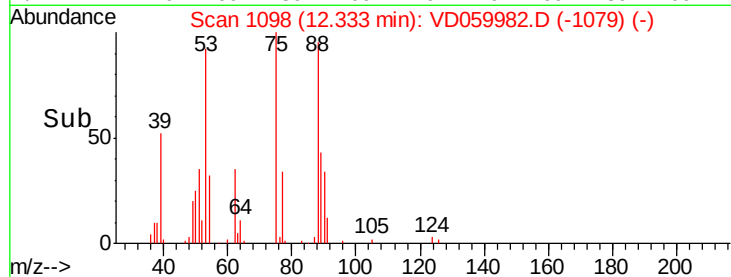
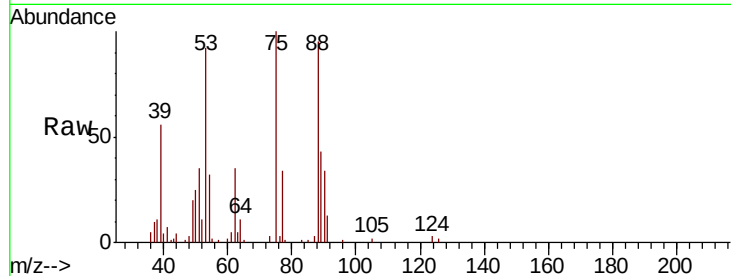
Tot Ion: 75 Resp: 67693

Ion Ratio Lower Upper

75 100

53 91.7 75.8 113.6

89 43.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 21.64 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD059982.D

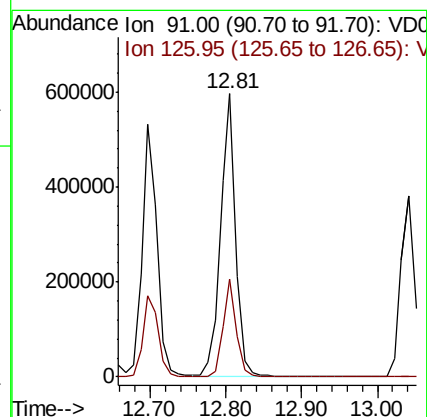
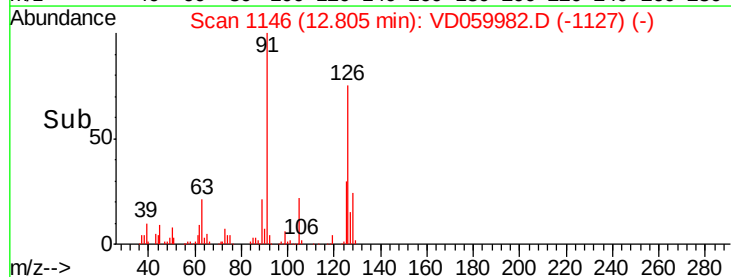
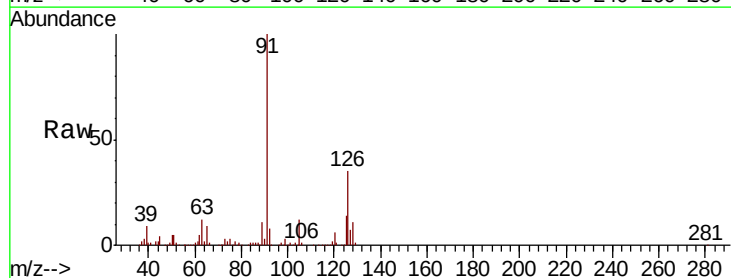
Acq: 6 Sep 2018 13:34

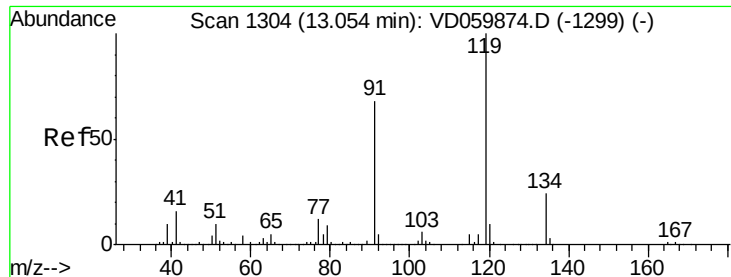
Tgt Ion: 91 Resp: 845896

Ion Ratio Lower Upper

91 100

126 34.6 17.1 51.2

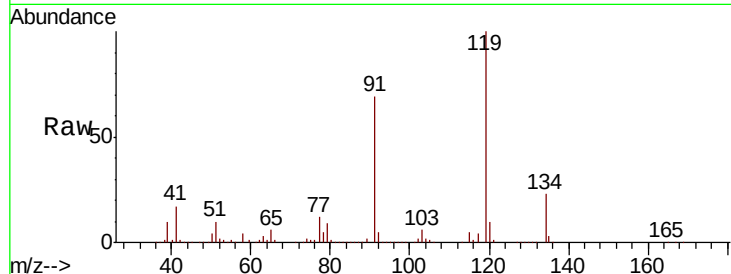




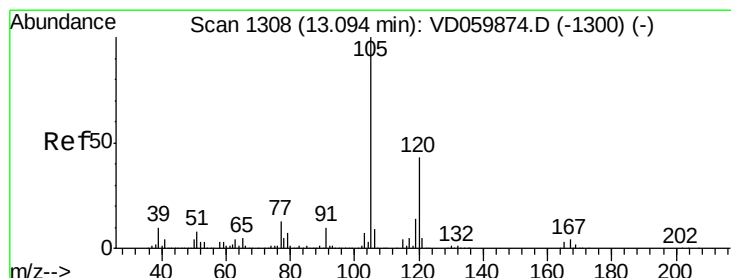
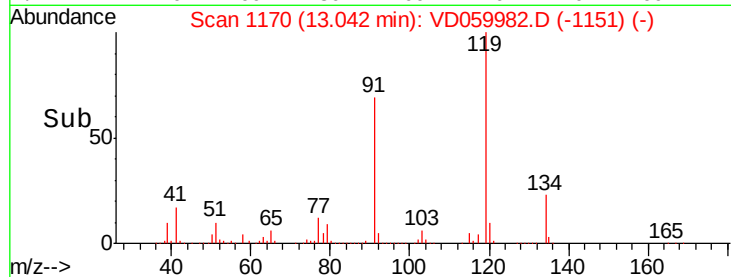
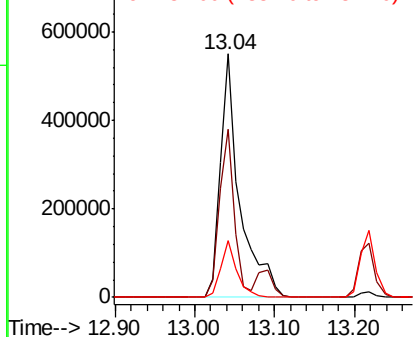
#83
 tert-Butylbenzene
 Concen: 21.88 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

Tot Ion:119 Resp: 948544
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.3 102.9
 134 23.2 11.9 35.9

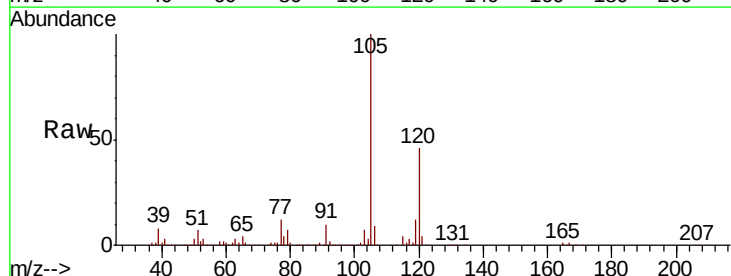


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

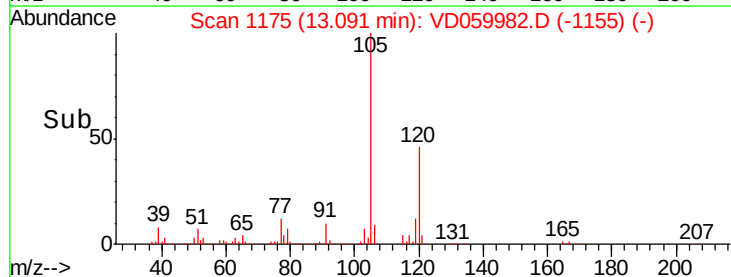
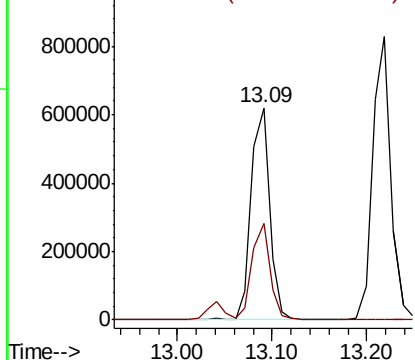


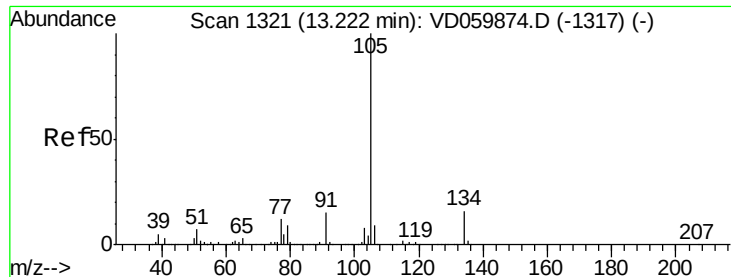
#84
 1,2,4-Trimethylbenzene
 Concen: 21.46 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion:105 Resp: 851070
 Ion Ratio Lower Upper
 105 100
 120 45.6 21.8 65.3



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

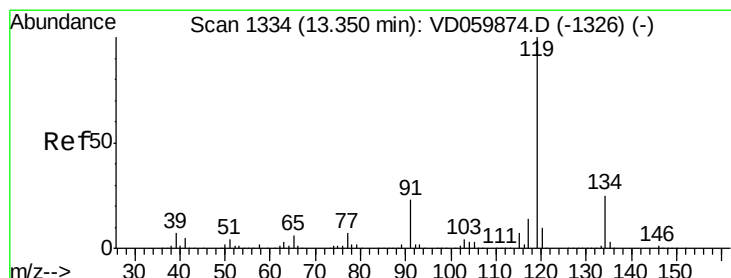
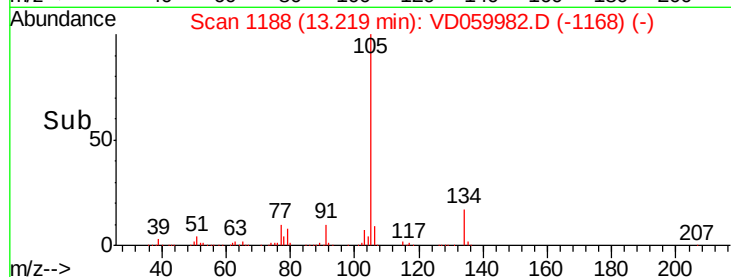
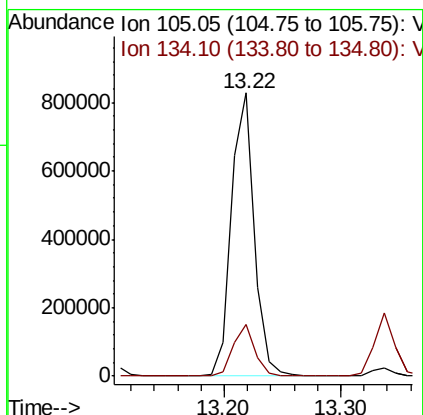
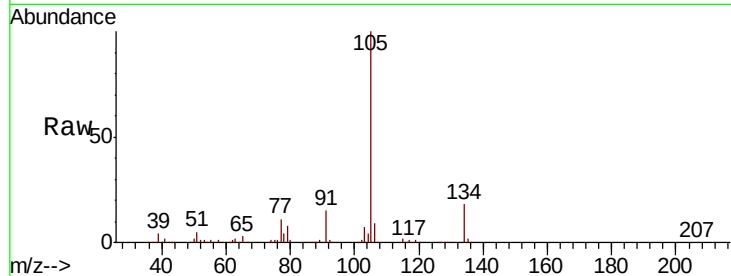




#85
 sec-Butylbenzene
 Concen: 21.92 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

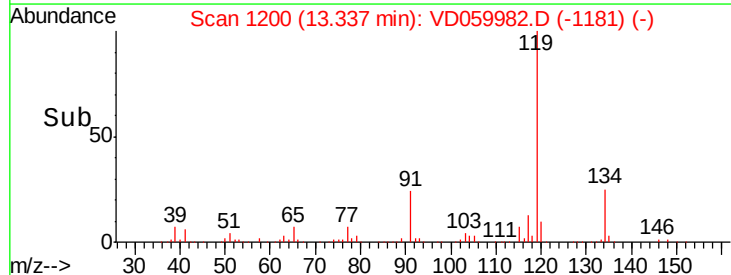
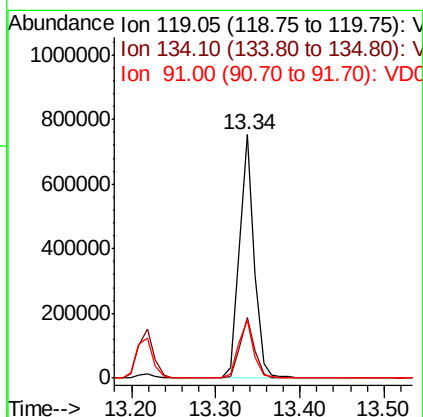
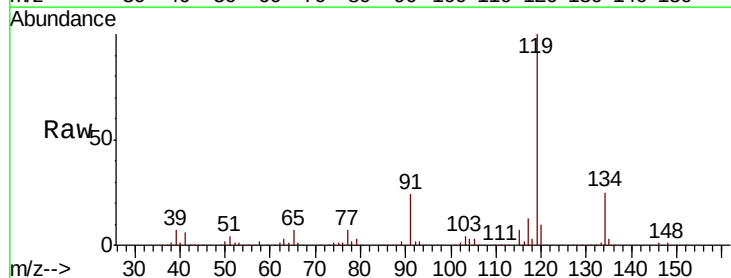
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

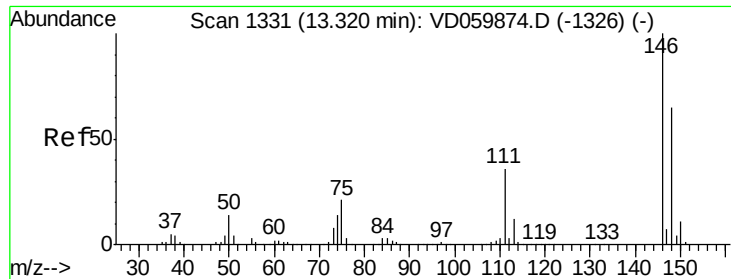
Tot Ion:105 Resp: 1117681
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 21.90 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion:119 Resp: 908098
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.7 38.1
 91 23.8 11.7 35.0

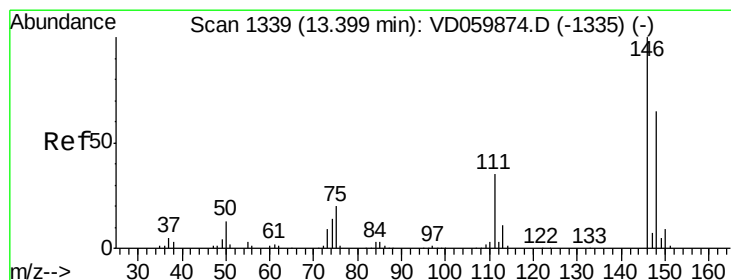
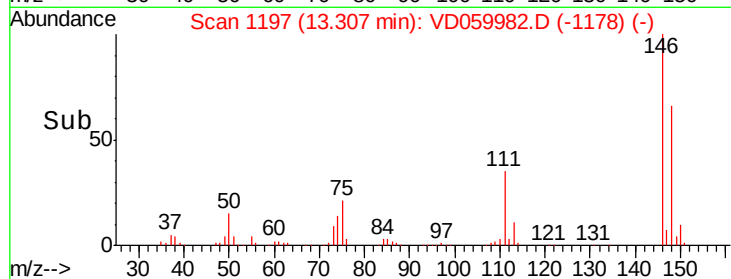
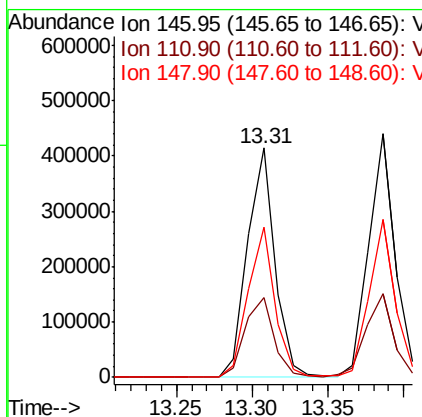
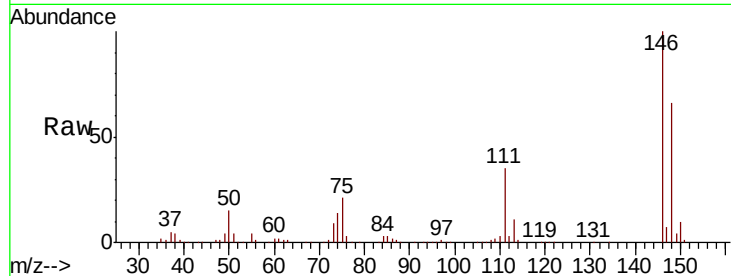




#87
 1,3-Dichlorobenzene
 Concen: 22.17 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

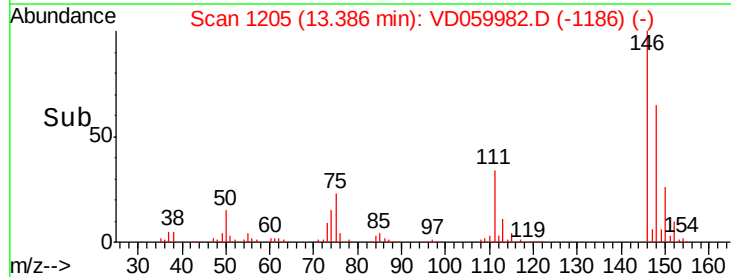
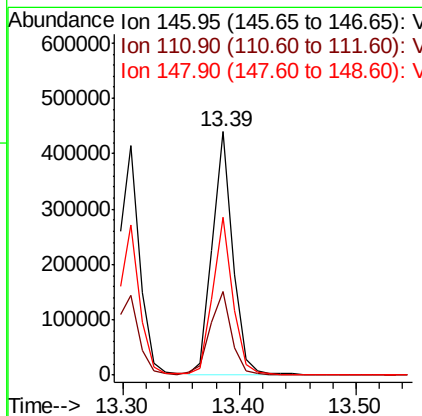
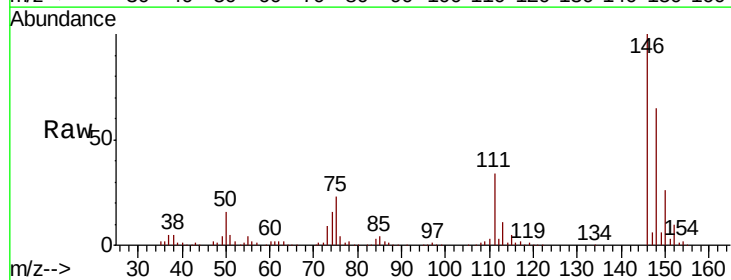
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

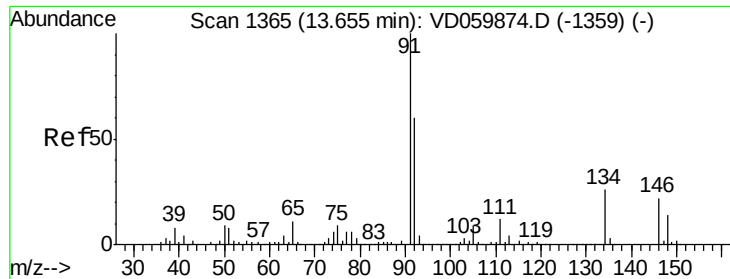
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	17.9	53.7
148	65.7	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 22.78 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	17.5	52.6
148	64.8	32.5	97.5

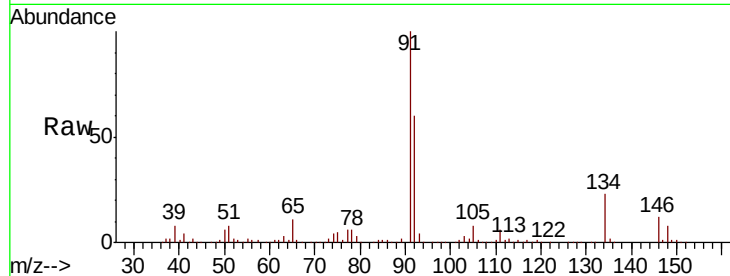




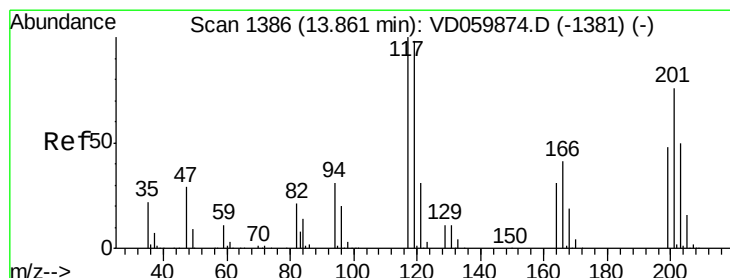
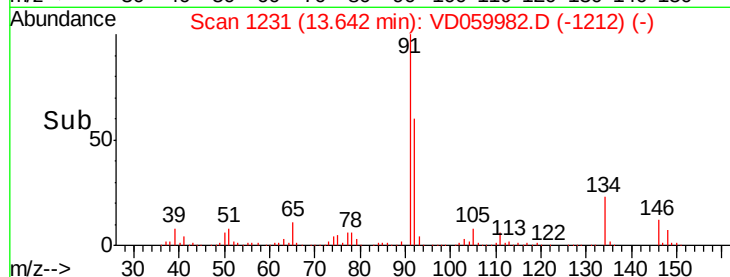
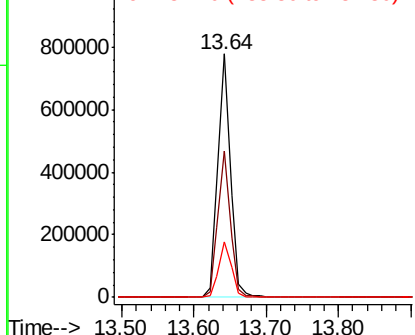
#89
n-Butylbenzene
Concen: 20.89 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

Tot Ion: 91 Resp: 933279
Ion Ratio Lower Upper
91 100
92 59.9 30.0 90.1
134 22.7 12.8 38.4

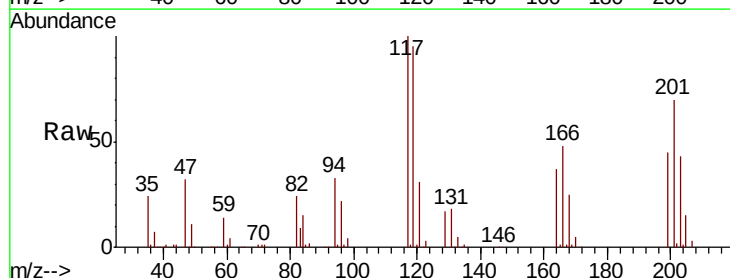


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

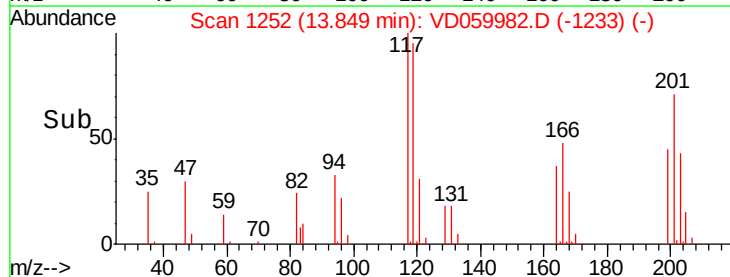
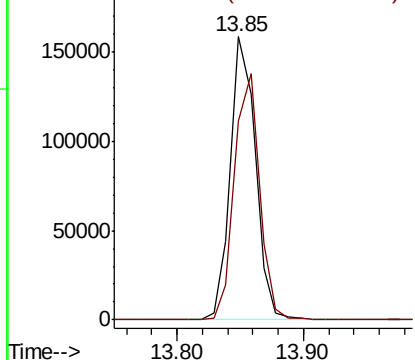


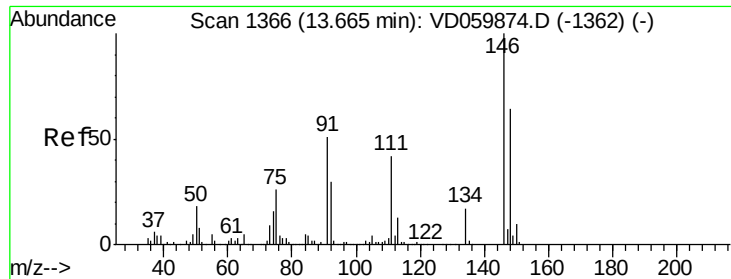
#90
Hexachloroethane
Concen: 19.55 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion: 117 Resp: 217600
Ion Ratio Lower Upper
117 100
201 70.3 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

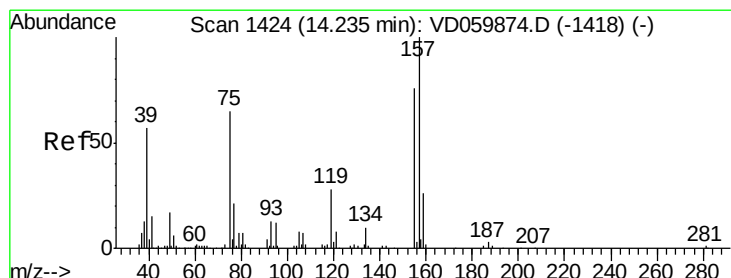
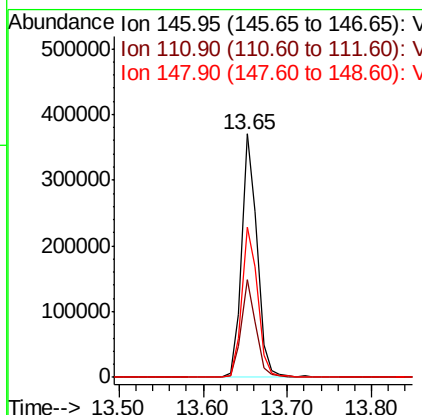
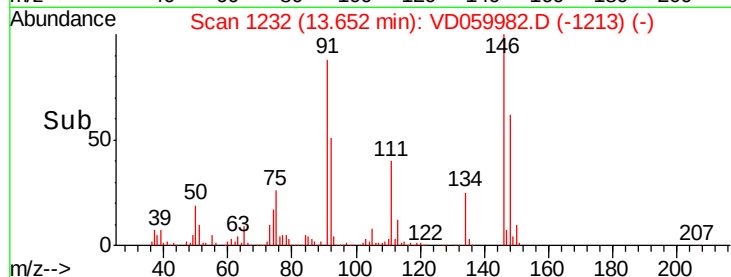
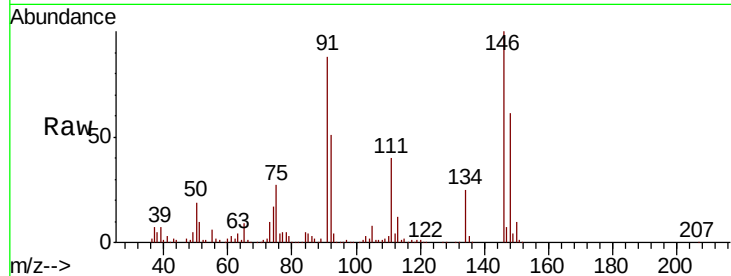




#91
 1,2-Dichlorobenzene
 Concen: 23.42 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

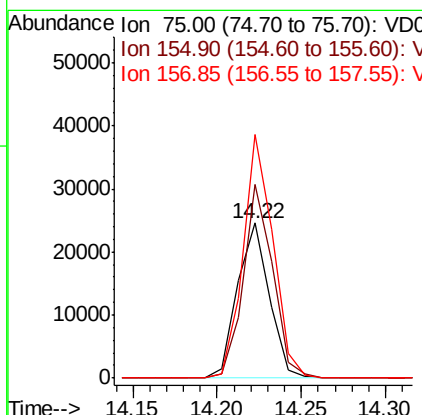
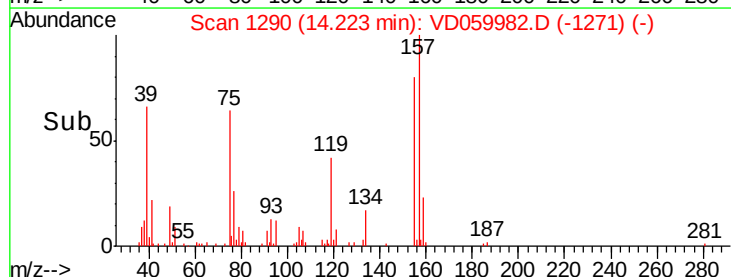
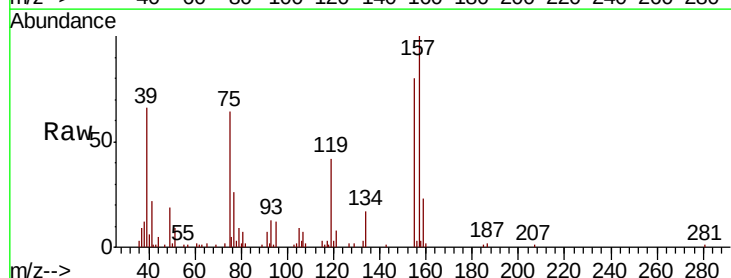
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

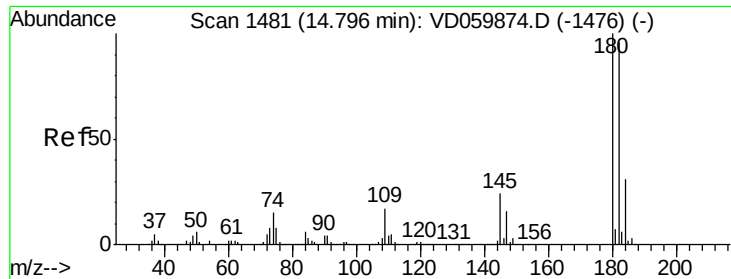
Tot Ion:146 Resp: 471850
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.1 63.1
 148 61.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.83 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion: 75 Resp: 32058
 Ion Ratio Lower Upper
 75 100
 155 125.3 58.2 174.6
 157 157.0 76.8 230.4

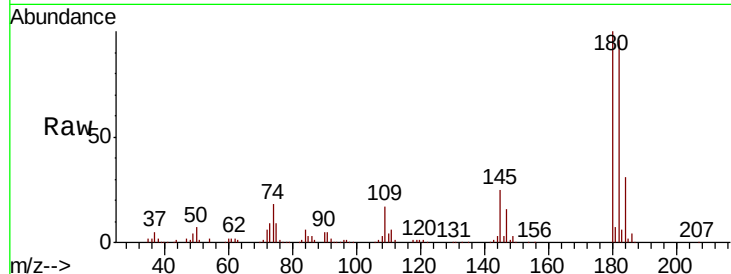




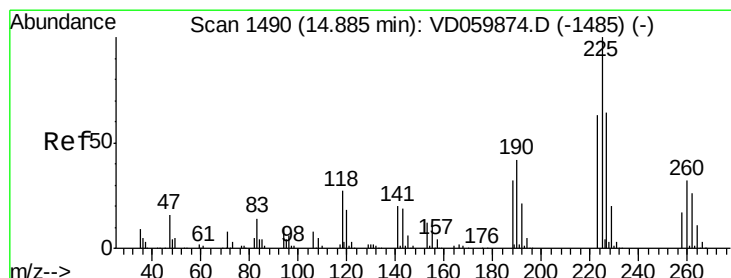
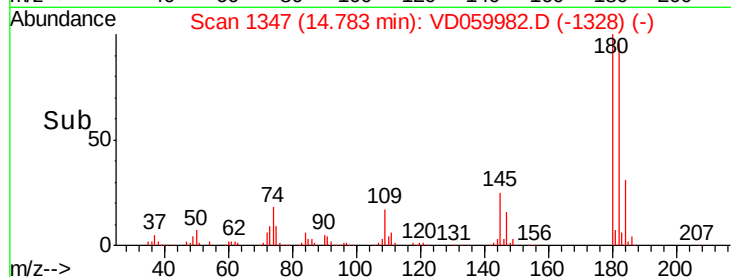
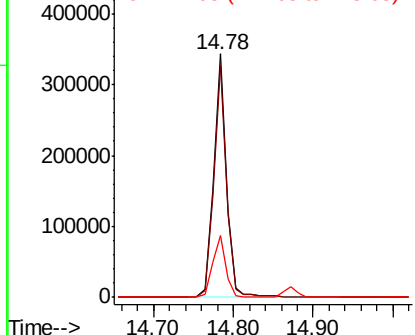
#93
 1,2,4-Trichlorobenzene
 Concen: 22.65 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBSD01

Tot Ion:180 Resp: 390662
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.7
 145 25.2 12.2 36.4

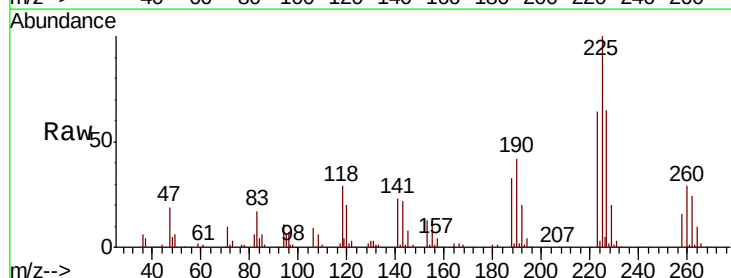


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

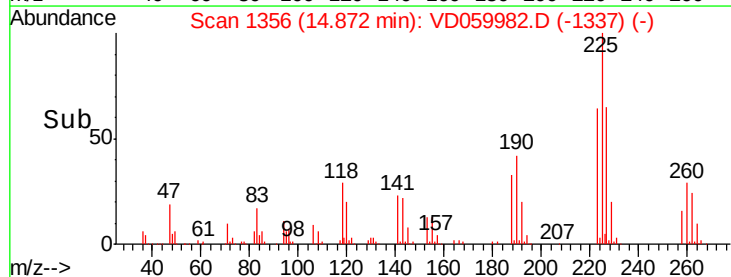
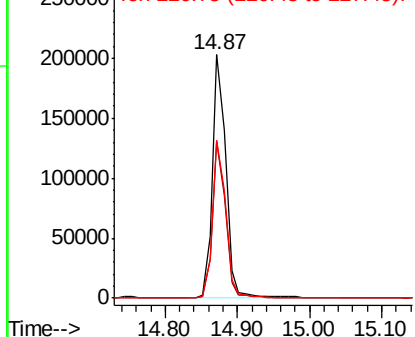


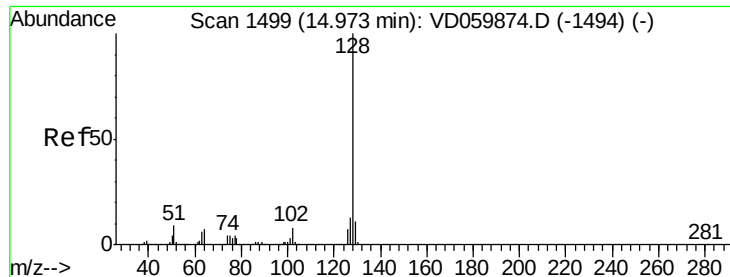
#94
 Hexachlorobutadiene
 Concen: 23.06 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD059982.D
 Acq: 6 Sep 2018 13:34

Tgt Ion:225 Resp: 260765
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.6 94.8
 227 64.9 32.0 96.0



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

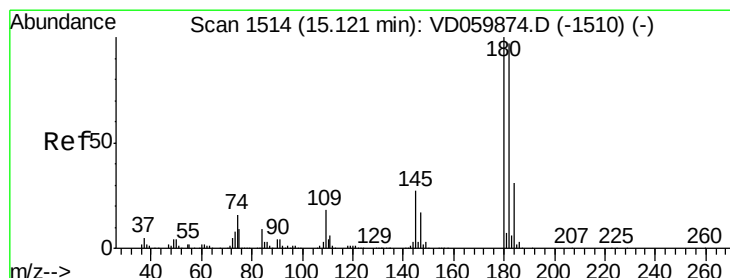
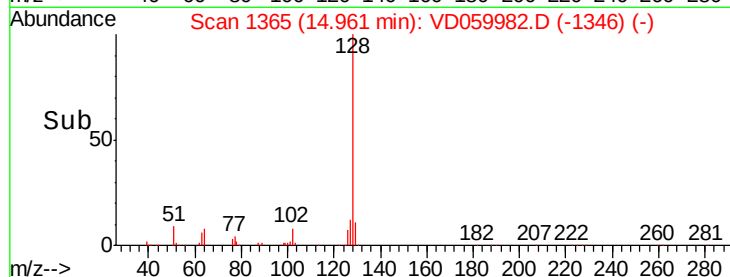
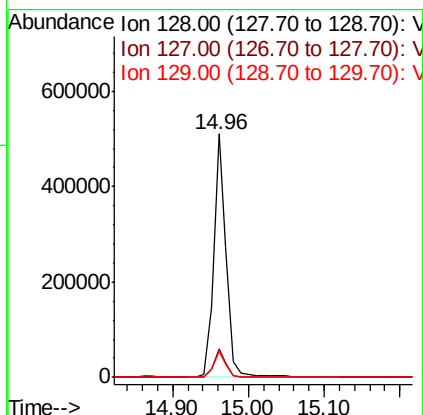
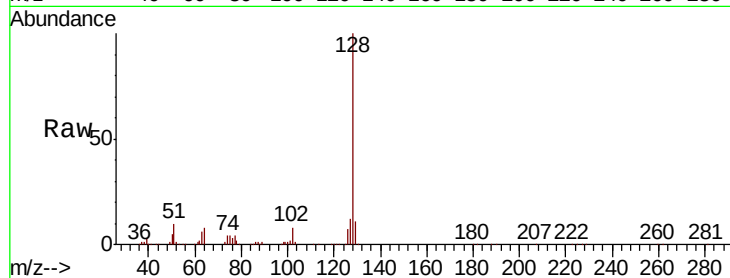




#95
Naphthalene
Concen: 22.52 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBSD01

Tot Ion:128 Resp: 593542
Ion Ratio Lower Upper
128 100
127 11.6 10.0 15.0
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 22.49 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD059982.D
Acq: 6 Sep 2018 13:34

Tgt Ion:180 Resp: 331731
Ion Ratio Lower Upper
180 100
182 96.7 48.6 145.8
145 28.2 13.6 40.8

