

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059685.D
 Acq On : 6 Aug 2018 10:30
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 03:59:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	227100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	272753	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	222056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	117947	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	15151	5.09	ug/l	0.00
Spiked Amount			Recovery	=	10.18%	
35) Dibromofluoromethane	5.53	113	13078	5.20	ug/l	0.00
Spiked Amount			Recovery	=	10.40%	
50) Toluene-d8	8.69	98	31682	5.78	ug/l	0.00
Spiked Amount			Recovery	=	11.56%	
62) 4-Bromofluorobenzene	11.92	95	14577	5.74	ug/l	0.00
Spiked Amount			Recovery	=	11.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	15715	4.967	ug/l	82
3) Chloromethane	1.47	50	6250	4.508	ug/l	95
4) Vinyl Chloride	1.54	62	7414	4.486	ug/l	99
5) Bromomethane	1.79	94	3482	6.020	ug/l	91
6) Chloroethane	1.88	64	2812	4.256	ug/l #	84
7) Trichlorofluoromethane	2.07	101	12905	4.827	ug/l	92
8) Diethyl Ether	2.33	74	2115	4.240	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.55	101	7448	4.825	ug/l	98
10) Methyl Iodide	2.67	142	7504	4.261	ug/l	92
11) Tert butyl alcohol	3.23	59	1917	18.334	ug/l #	76
12) 1,1-Dichloroethene	2.54	96	5305	4.649	ug/l	87
13) Acrolein	2.46	56	2009	20.127	ug/l #	80
14) Allyl chloride	2.91	41	11936	4.604	ug/l #	95
15) Acrylonitrile	3.35	53	7131	23.724	ug/l	91
16) Acetone	2.60	43	12629	22.863	ug/l	94
17) Carbon Disulfide	2.74	76	17957	4.448	ug/l	99
18) Methyl Acetate	2.92	43	5939	6.007	ug/l #	84
19) Methyl tert-butyl Ether	3.38	73	23143	5.271	ug/l	100
20) Methylene Chloride	3.06	84	17880	8.685	ug/l	96
21) trans-1,2-Dichloroethene	3.37	96	9152	5.913	ug/l #	76
22) Diisopropyl ether	4.06	45	28590	4.831	ug/l	94
23) Vinyl Acetate	4.00	43	82817	22.420	ug/l	97
24) 1,1-Dichloroethane	3.95	63	19571	4.910	ug/l #	88
25) 2-Butanone	4.82	43	15862	22.521	ug/l #	91
26) 2,2-Dichloropropane	4.78	77	22101	5.106	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	10257	4.901	ug/l	96
28) Bromochloromethane	5.12	49	7074	4.788	ug/l	99
29) Tetrahydrofuran	5.17	42	6385	23.170	ug/l	96
30) Chloroform	5.30	83	22612	4.700	ug/l	96
31) Cyclohexane	5.58	56	18231	6.283	ug/l #	88
32) 1,1,1-Trichloroethane	5.50	97	21686	4.599	ug/l	97
36) 1,1-Dichloropropene	5.73	75	15728	5.158	ug/l	98
37) Ethyl Acetate	4.91	43	6319	4.406	ug/l #	88
38) Carbon Tetrachloride	5.70	117	21264	5.149	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059685.D
 Acq On : 6 Aug 2018 10:30
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 03:59:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	12272	4.862	ug/l	91
40) Benzene	6.00	78	31090	5.290	ug/l	97
41) Methacrylonitrile	5.11	41	3116	4.484	ug/l #	84
42) 1,2-Dichloroethane	6.11	62	16889	4.667	ug/l	98
43) Isopropyl Acetate	7.60	43	8529	4.489	ug/l	93
44) Trichloroethene	6.96	130	10708	4.993	ug/l	95
45) 1,2-Dichloropropane	7.33	63	7552	4.974	ug/l	91
46) Dibromomethane	7.44	93	6089	4.557	ug/l	97
47) Bromodichloromethane	7.73	83	16204	4.729	ug/l #	94
48) Methyl methacrylate	7.48	41	5748	4.566	ug/l #	85
49) 1,4-Dioxane	7.46	88	439	44.837	ug/l #	25
51) 4-Methyl-2-Pentanone	8.59	43	30643	22.148	ug/l	91
52) Toluene	8.78	92	20352	5.497	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	13345	4.599	ug/l	95
54) cis-1,3-Dichloropropene	8.34	75	13507	4.612	ug/l	92
55) 1,1,2-Trichloroethane	9.44	97	7677	5.407	ug/l #	85
56) Ethyl methacrylate	9.30	69	7323	4.561	ug/l	89
57) 1,3-Dichloropropane	9.65	76	11710	5.129	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.17	63	18542	24.469	ug/l	100
59) 2-Hexanone	9.78	43	23101	22.061	ug/l	90
60) Dibromochloromethane	9.94	129	10072	4.362	ug/l	92
61) 1,2-Dibromoethane	10.08	107	7890	4.717	ug/l	88
64) Tetrachloroethene	9.50	164	11167	5.402	ug/l	95
65) Chlorobenzene	10.71	112	23570	5.229	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	10279	5.074	ug/l	95
67) Ethyl Benzene	10.85	91	44807	5.378	ug/l	98
68) m/p-Xylenes	11.01	106	29119	11.014	ug/l	93
69) o-Xylene	11.40	106	14230	5.489	ug/l	75
70) Styrene	11.42	104	21758	5.073	ug/l	93
71) Bromoform	11.59	173	6186	4.038	ug/l #	89
73) Isopropylbenzene	11.76	105	43708	5.470	ug/l	97
74) N-amyl acetate	11.64	43	11326	4.533	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	7609	4.896	ug/l	93
76) 1,2,3-Trichloropropane	12.10	75	9299	5.078	ug/l	99
77) Bromobenzene	12.03	156	11904	5.193	ug/l	98
78) n-propylbenzene	12.15	91	55068	5.572	ug/l	98
79) 2-Chlorotoluene	12.21	91	32825	5.514	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	35700	5.436	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.83	75	2149	4.702	ug/l #	81
82) 4-Chlorotoluene	12.31	91	40165	5.771	ug/l	94
83) tert-Butylbenzene	12.57	119	38974	5.252	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	36104	5.187	ug/l	97
85) sec-Butylbenzene	12.75	105	43640	5.329	ug/l	97
86) p-Isopropyltoluene	12.88	119	37191	5.243	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	22623	5.635	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	21891	5.430	ug/l	95
89) n-Butylbenzene	13.19	91	37530	5.364	ug/l	93
90) Hexachloroethane	13.40	117	8955	4.835	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	18629	5.626	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	1573	4.618	ug/l	85

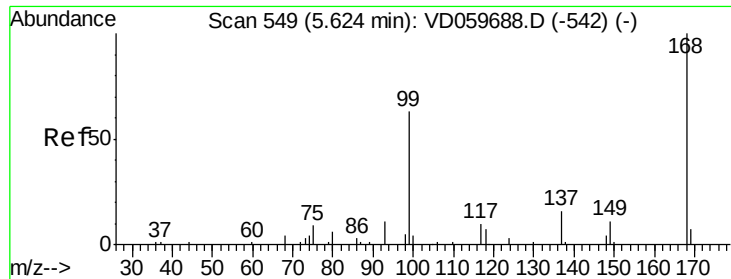
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
Data File : VD059685.D
Acq On : 6 Aug 2018 10:30
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 07 03:59:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 03:58:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	15315	5.149	ug/l	95
94) Hexachlorobutadiene	14.43	225	11307	4.871	ug/l	97
95) Naphthalene	14.51	128	23599	5.302	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	14223	5.351	ug/l	96

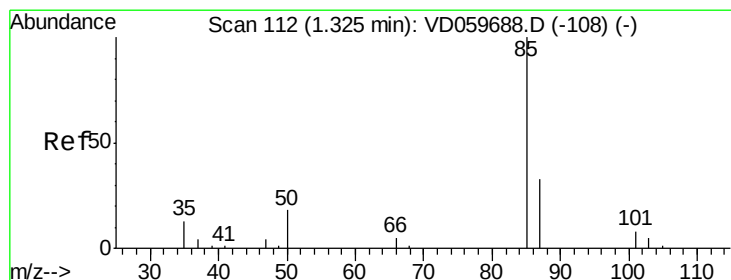
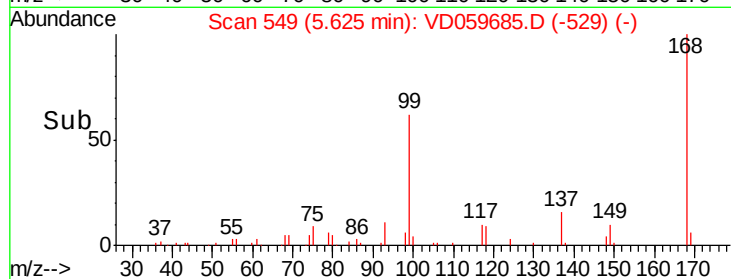
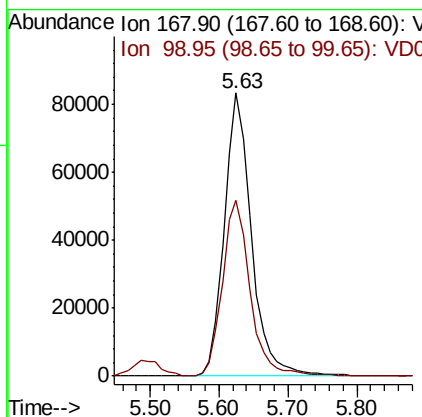
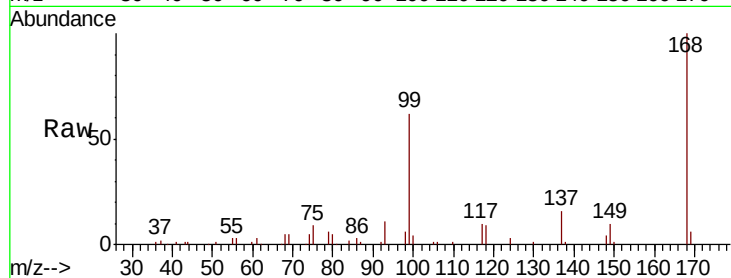
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

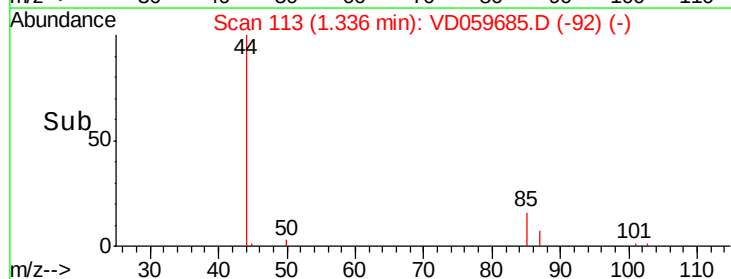
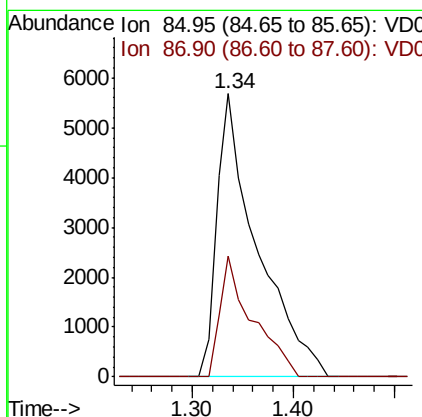
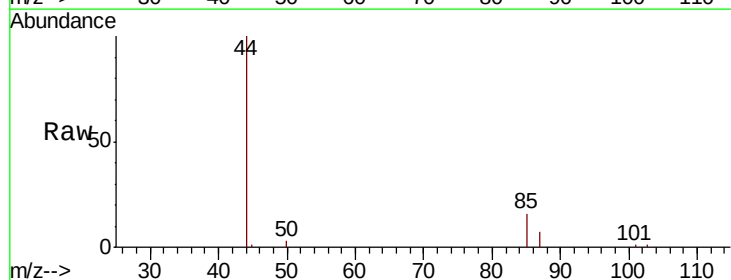
Instrument :
MSVOA_D
ClientSampleId :

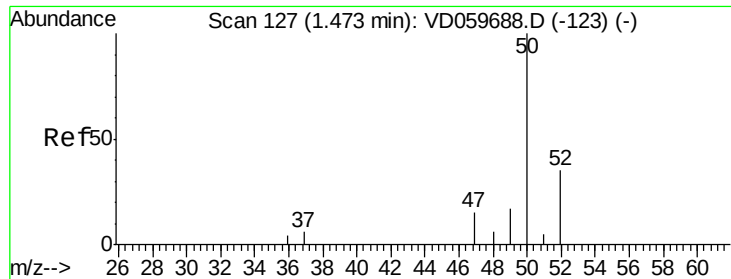
Tot Ion:168 Resp: 227100
Ion Ratio Lower Upper
168 100
99 61.9 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 4.967 ug/l
RT: 1.34 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 85 Resp: 15715
Ion Ratio Lower Upper
85 100
87 42.8 16.4 49.1





#3

Chloromethane

Concen: 4.508 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

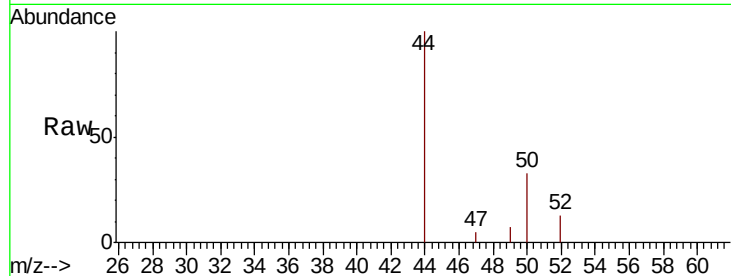
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 6250

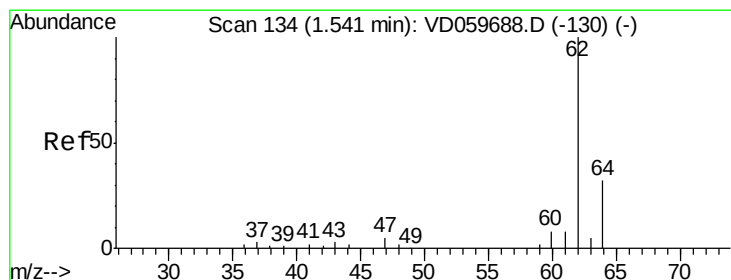
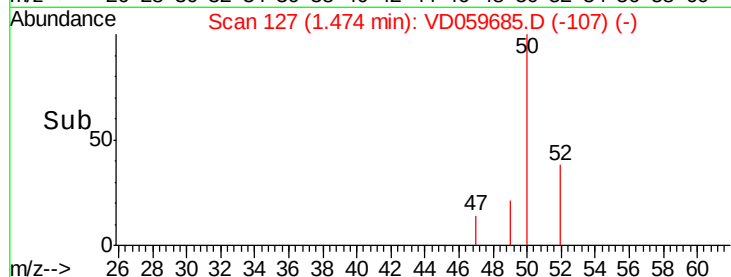
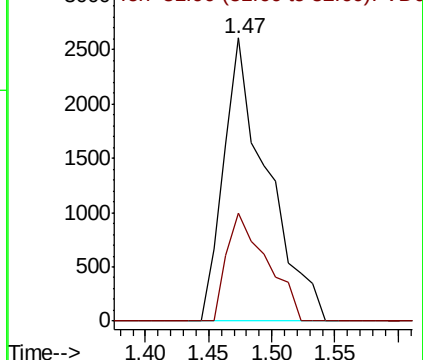
Ion Ratio Lower Upper

50 100

52 38.1 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.486 ug/l

RT: 1.54 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059685.D

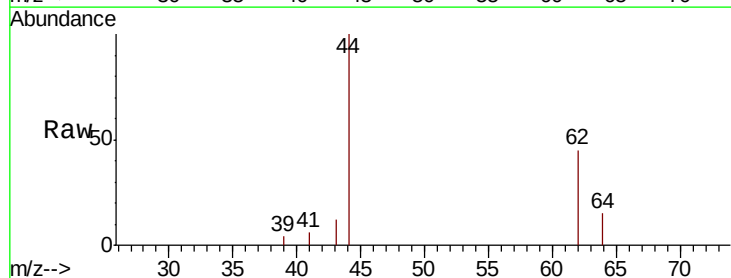
Acq: 6 Aug 2018 10:30

Tgt Ion: 62 Resp: 7414

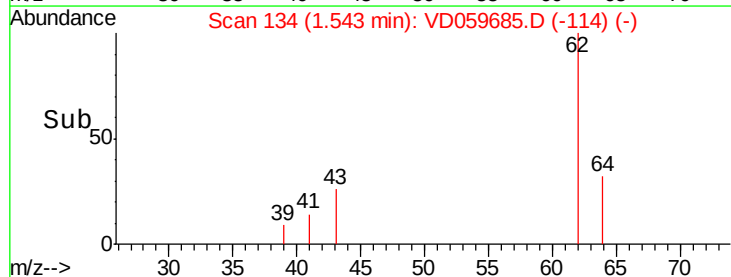
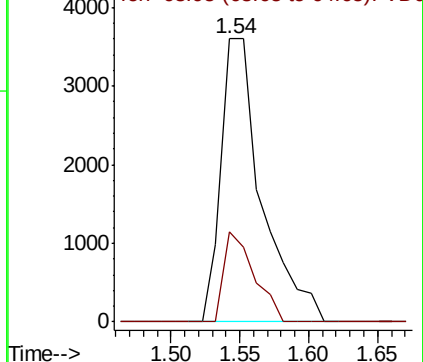
Ion Ratio Lower Upper

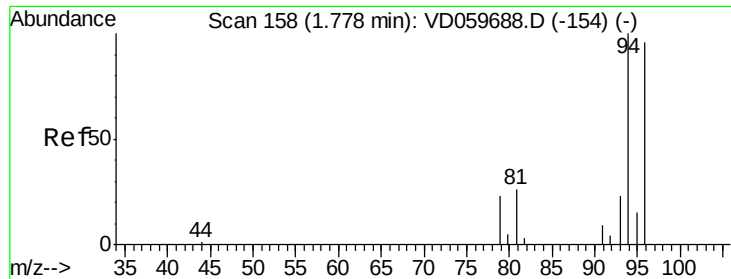
62 100

64 32.0 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC

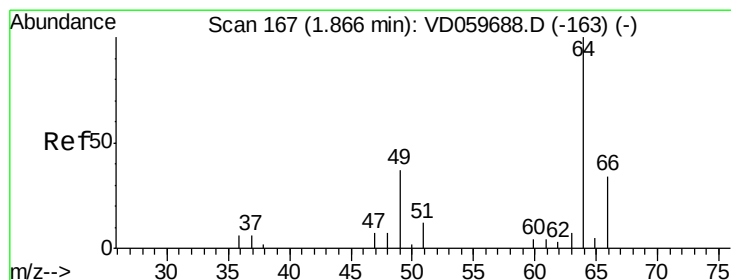
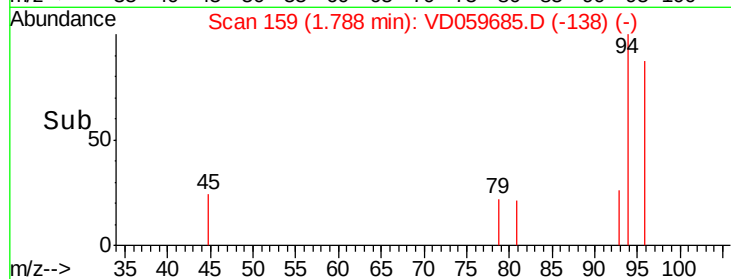
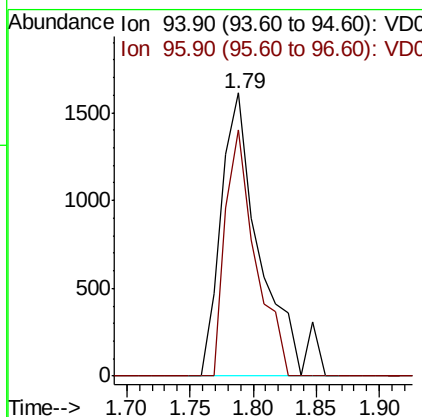
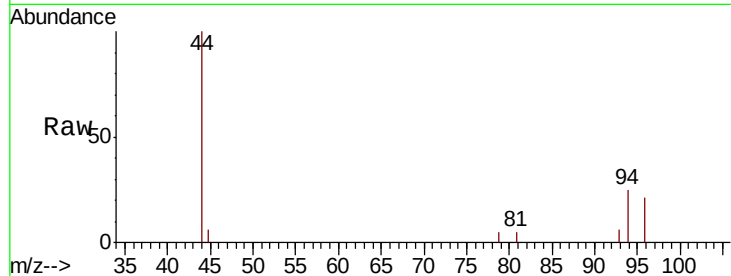




#5
Bromomethane
Concen: 6.020 ug/l
RT: 1.79 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

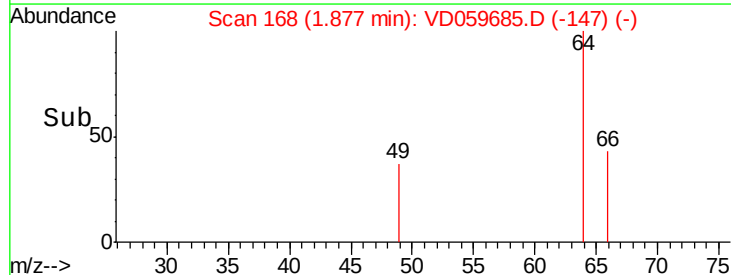
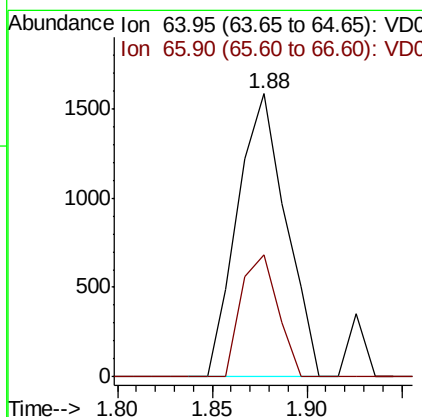
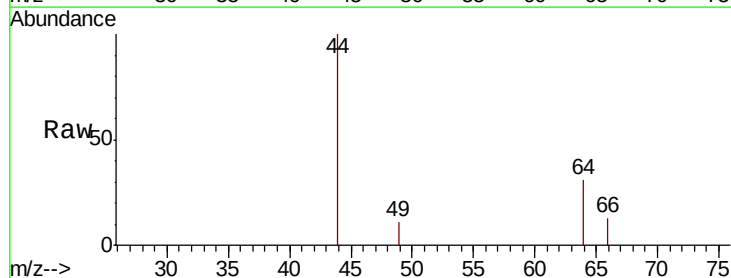
Instrument :
MSVOA_D
ClientSampled :

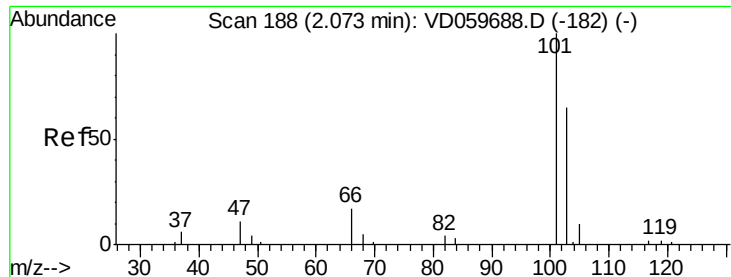
Tot Ion: 94 Resp: 3482
Ion Ratio Lower Upper
94 100
96 86.8 76.6 114.8



#6
Chloroethane
Concen: 4.256 ug/l
RT: 1.88 min Scan# 168
Delta R.T. 0.01 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 64 Resp: 2812
Ion Ratio Lower Upper
64 100
66 43.3 27.2 40.8#



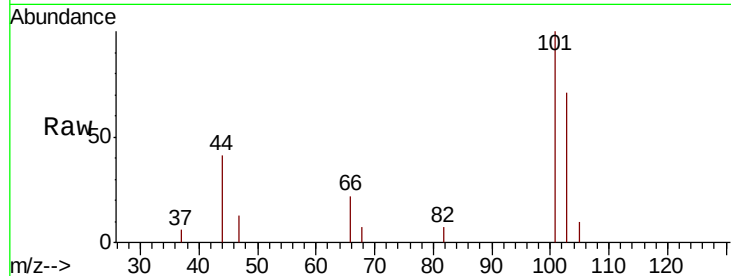


#7

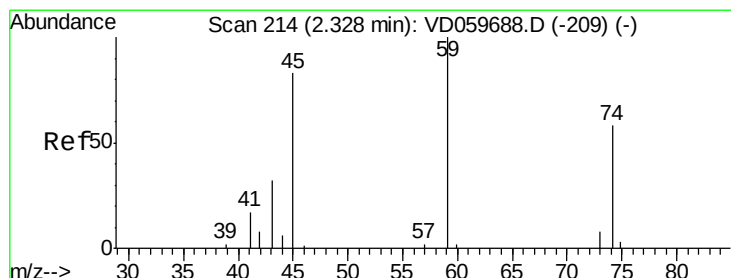
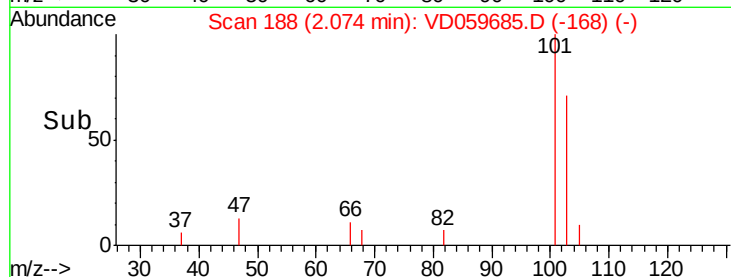
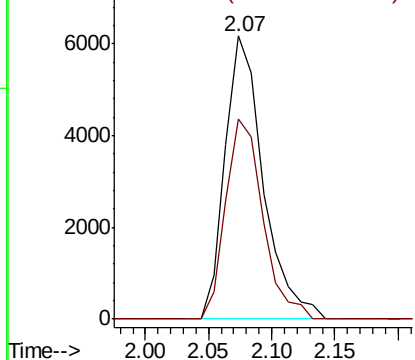
Trichlorofluoromethane
Concen: 4.827 ug/l
RT: 2.07 min Scan# 188
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 12905
Ion Ratio Lower Upper
101 100
103 70.9 51.7 77.5



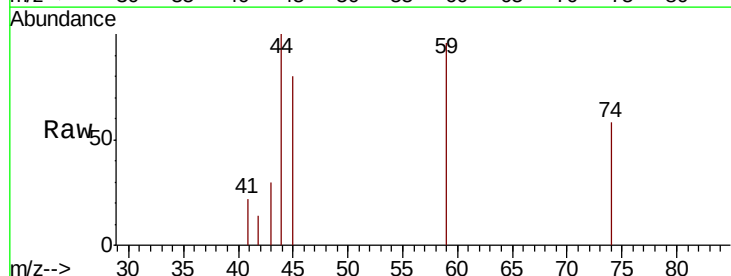
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



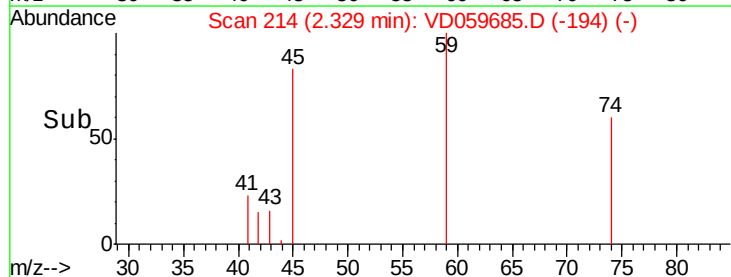
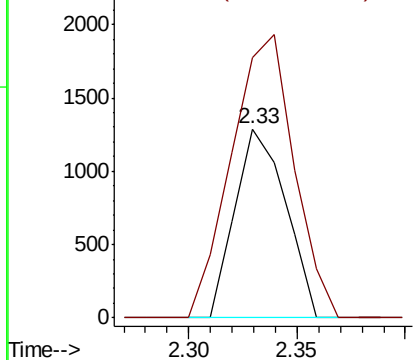
#8

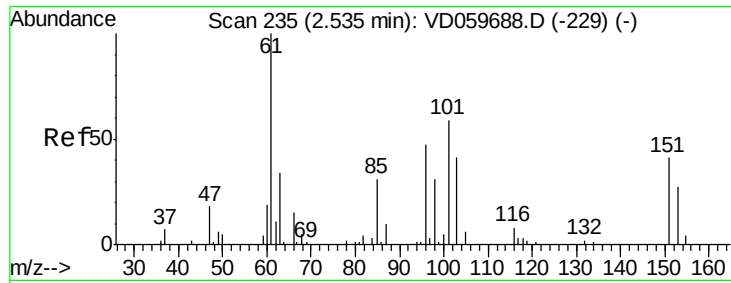
Diethyl Ether
Concen: 4.240 ug/l
RT: 2.33 min Scan# 214
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 74 Resp: 2115
Ion Ratio Lower Upper
74 100
45 138.0 71.4 214.2



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.825 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

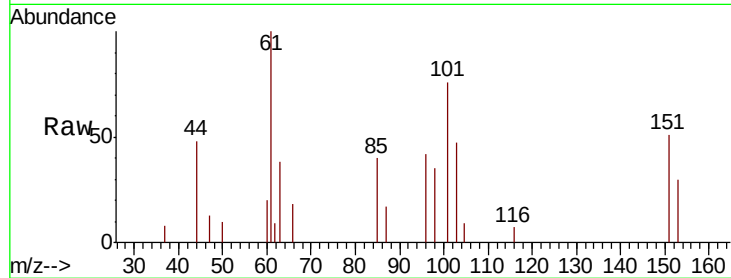
Tot Ion:101 Resp: 7448

Ion Ratio Lower Upper

101 100

85 53.0 42.2 63.4

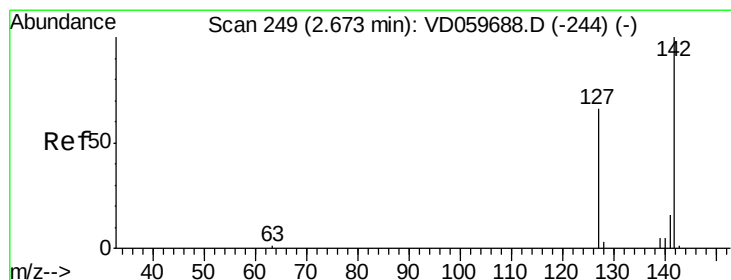
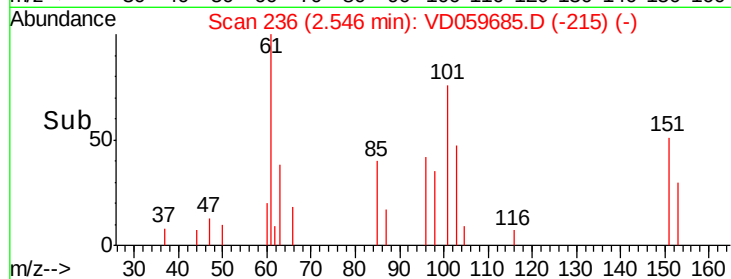
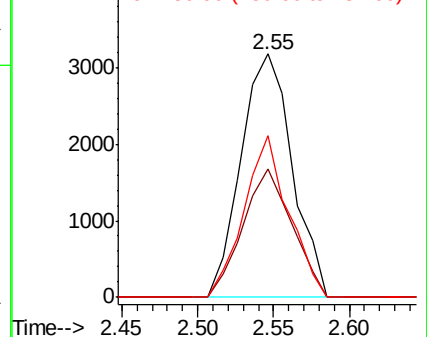
151 66.5 55.2 82.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 4.261 ug/l

RT: 2.67 min Scan# 249

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

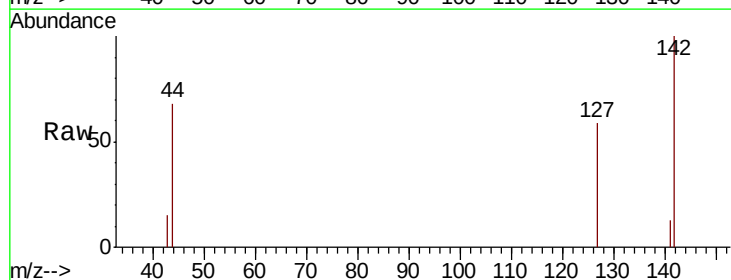
Tgt Ion:142 Resp: 7504

Ion Ratio Lower Upper

142 100

127 58.7 52.6 79.0

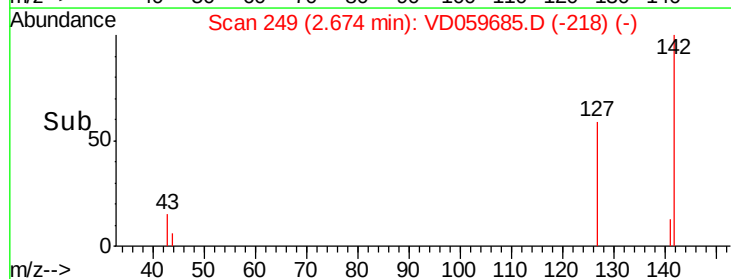
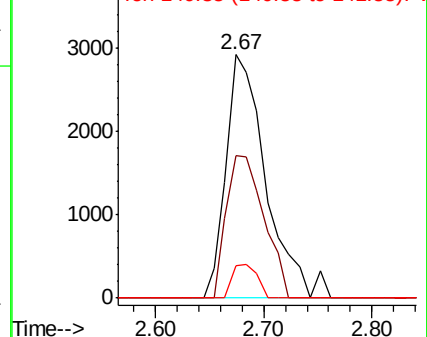
141 13.1 12.5 18.7

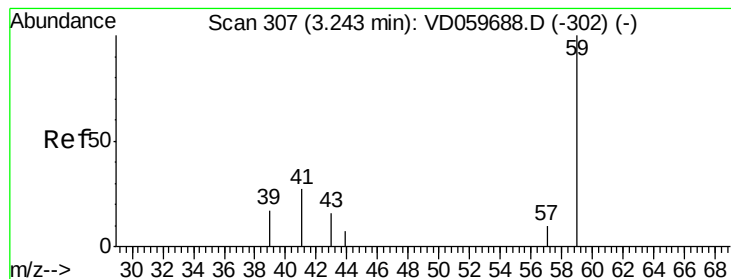


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



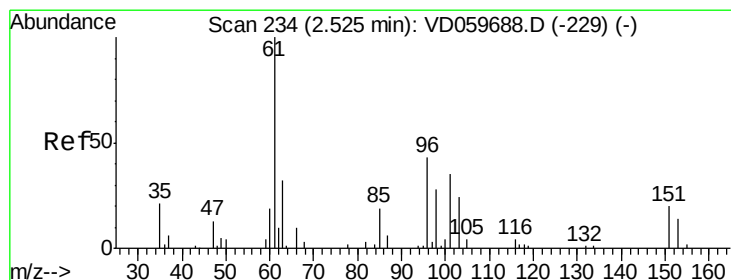
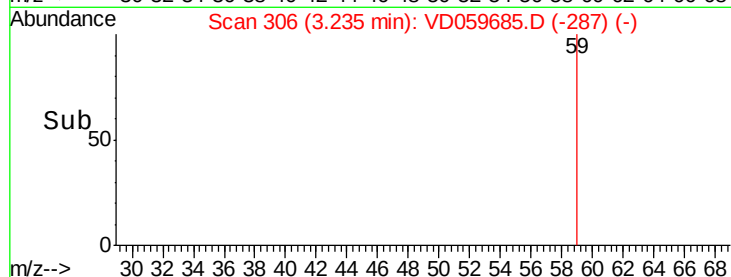
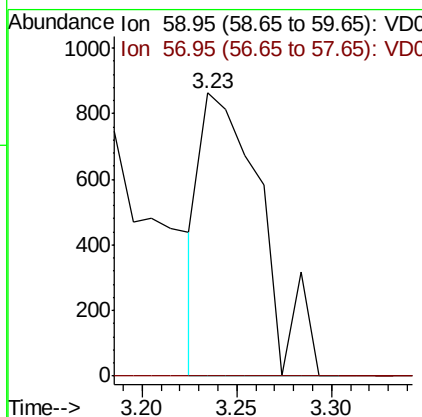
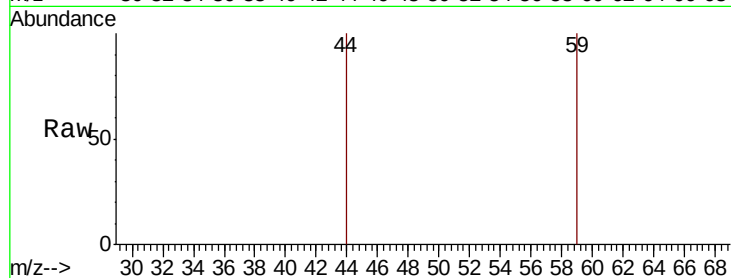


#11

Tert butyl alcohol
 Concen: 18.334 ug/l
 RT: 3.23 min Scan# 306
 Delta R.T. -0.01 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Instrument :
 MSVOA_D
 ClientSampled :

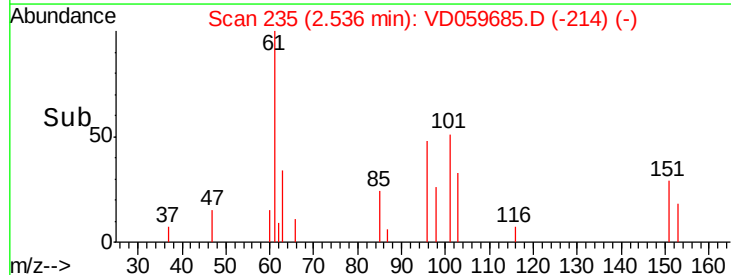
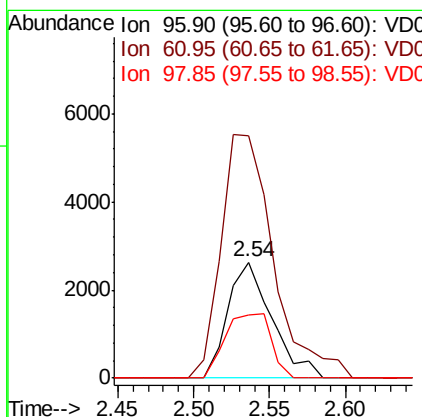
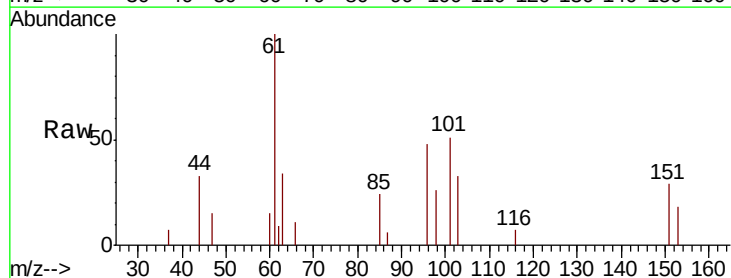
Tot Ion: 59 Resp: 1917
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

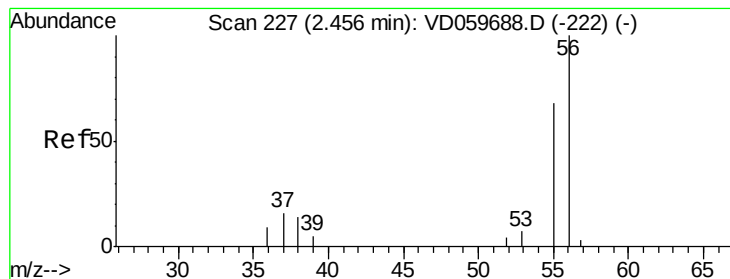


#12

1,1-Dichloroethene
 Concen: 4.649 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion: 96 Resp: 5305
 Ion Ratio Lower Upper
 96 100
 61 208.0 184.1 276.1
 98 54.7 52.4 78.6





#13

Acrolein

Concen: 20.127 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

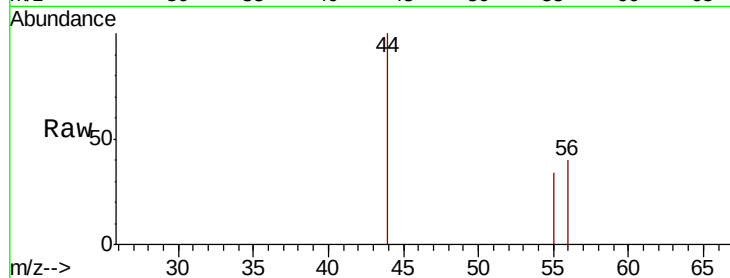
ClientSampleId :

Tot Ion: 56 Resp: 2009

Ion Ratio Lower Upper

56 100

55 84.4 54.4 81.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.46

1000

800

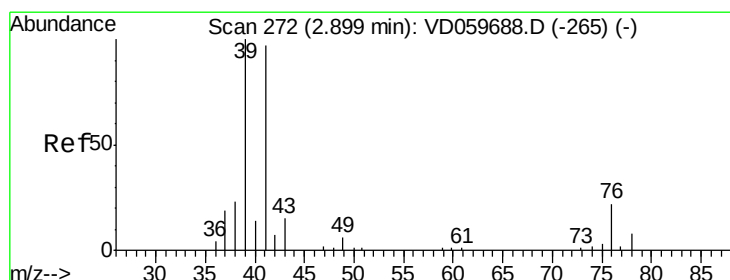
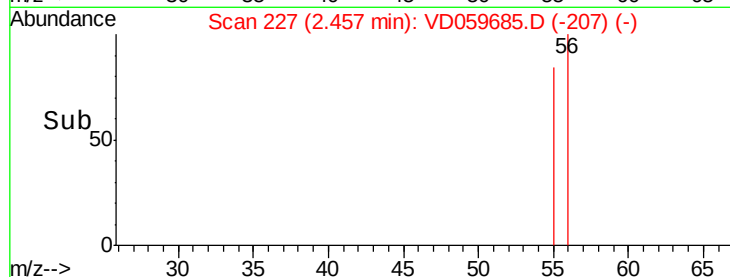
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 4.604 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

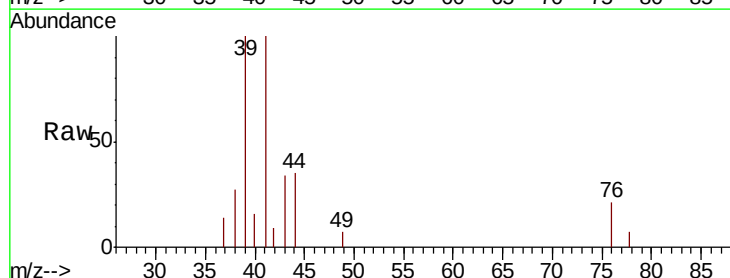
Tgt Ion: 41 Resp: 11936

Ion Ratio Lower Upper

41 100

39 100.3 82.5 123.7

76 21.5 22.1 33.1#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

2.91

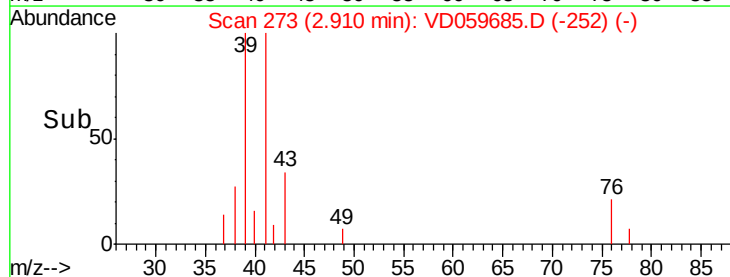
6000

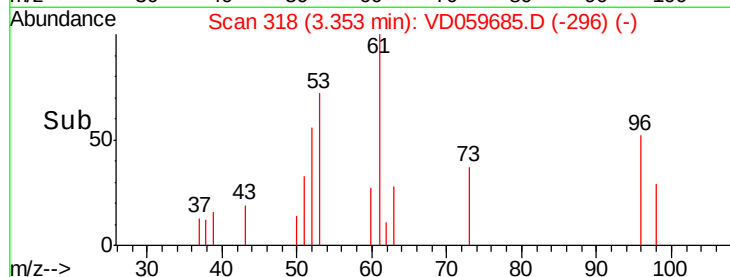
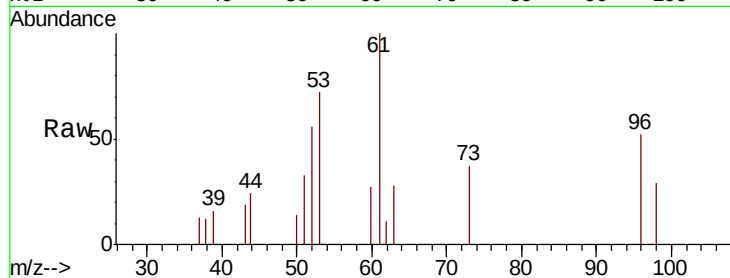
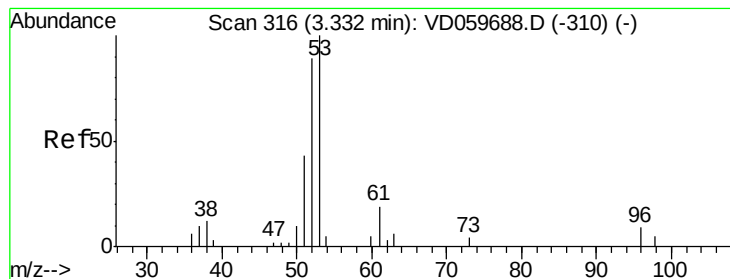
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 23.724 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.02 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

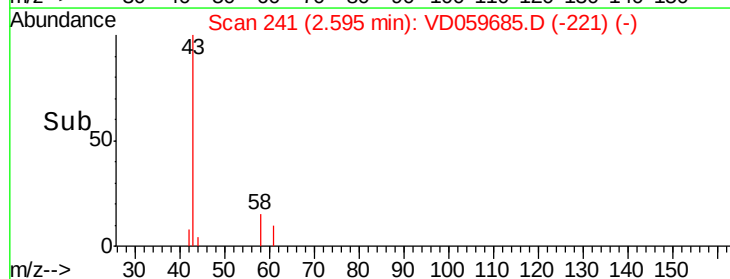
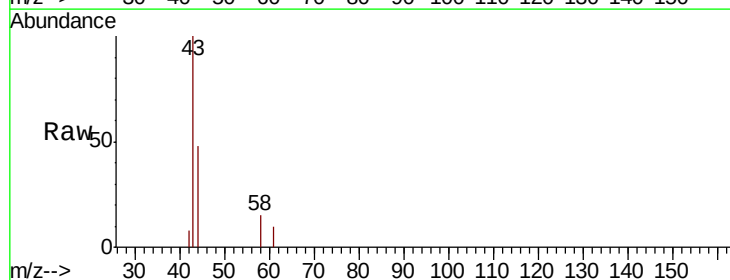
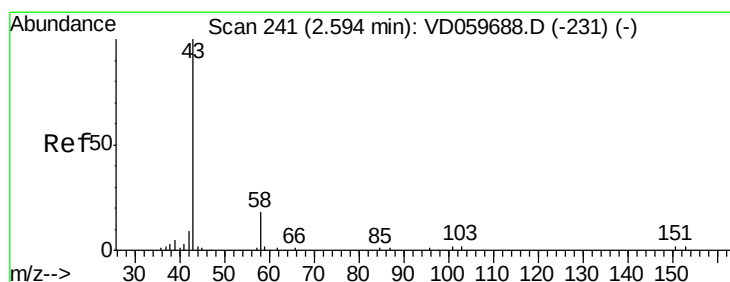
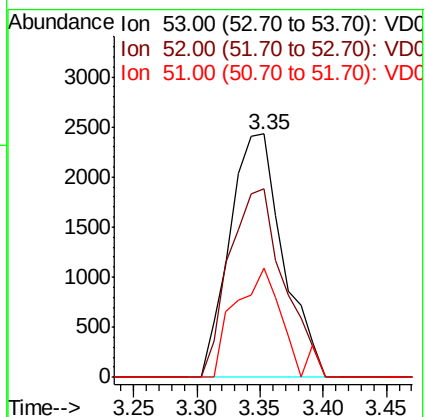
Tot Ion: 53 Resp: 7131

Ion Ratio Lower Upper

53 100

52 77.7 71.4 107.0

51 45.0 34.2 51.4



#16

Acetone

Concen: 22.863 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059685.D

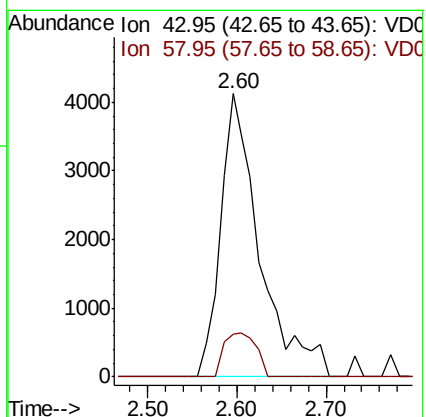
Acq: 6 Aug 2018 10:30

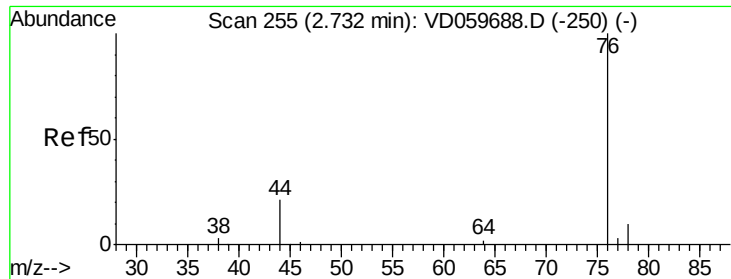
Tgt Ion: 43 Resp: 12629

Ion Ratio Lower Upper

43 100

58 15.2 14.2 21.2





#17

Carbon Disulfide

Concen: 4.448 ug/l

RT: 2.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

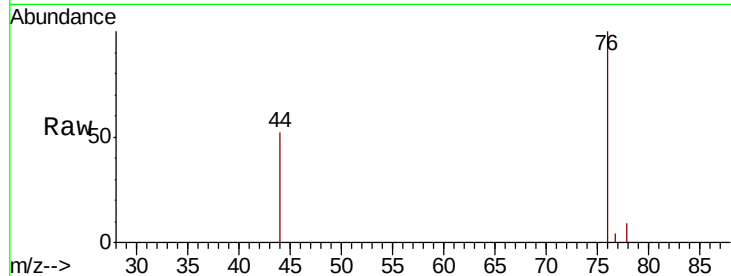
ClientSampled :

Tot Ion: 76 Resp: 17957

Ion Ratio Lower Upper

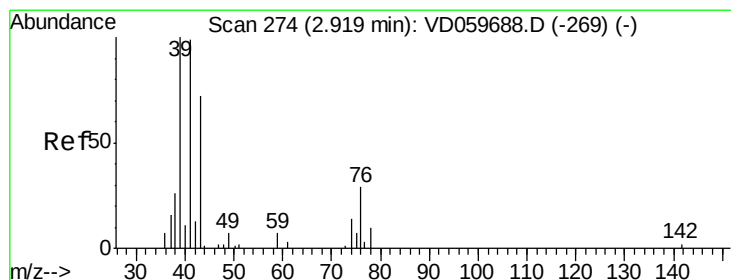
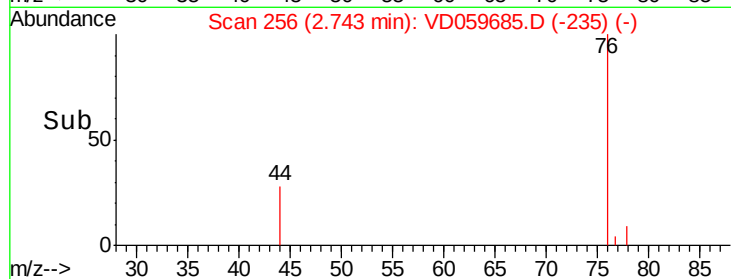
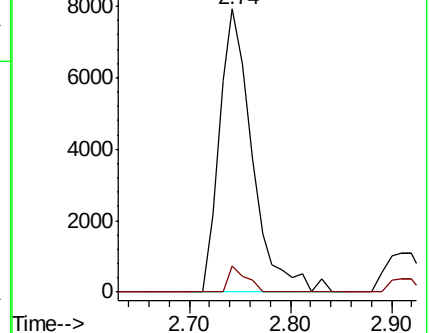
76 100

78 9.3 7.7 11.5



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.007 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.00 min

Lab File: VD059685.D

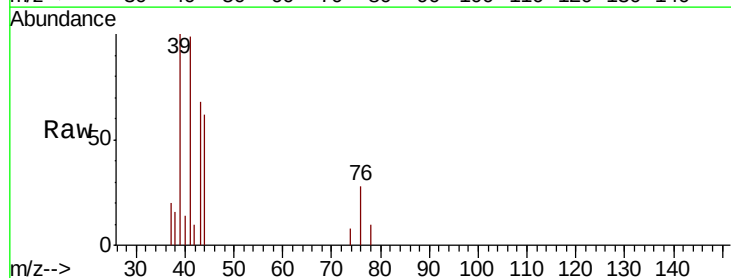
Acq: 6 Aug 2018 10:30

Tgt Ion: 43 Resp: 5939

Ion Ratio Lower Upper

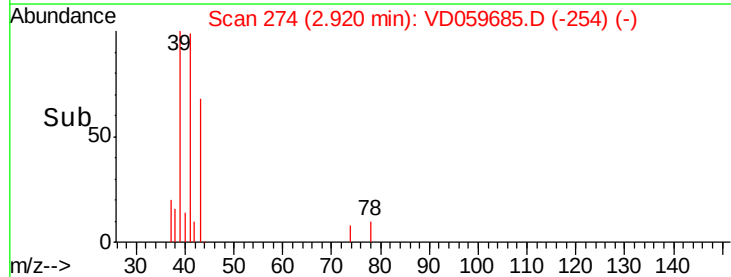
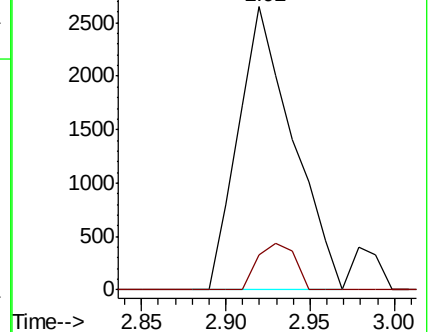
43 100

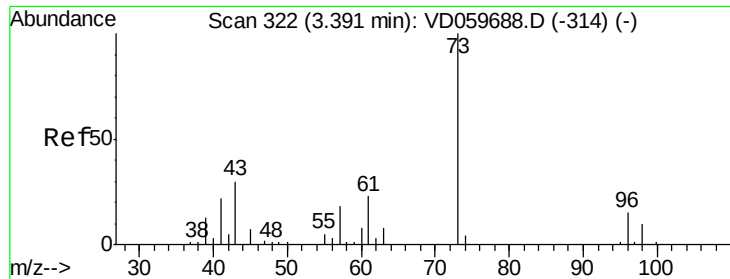
74 12.4 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

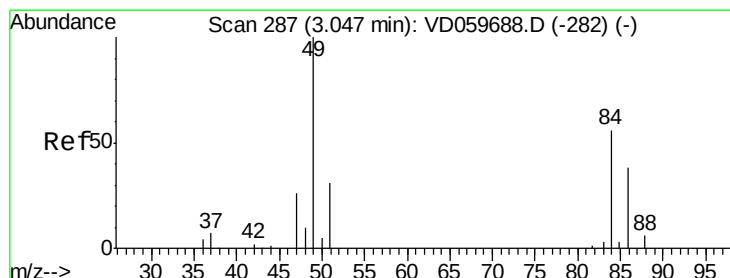
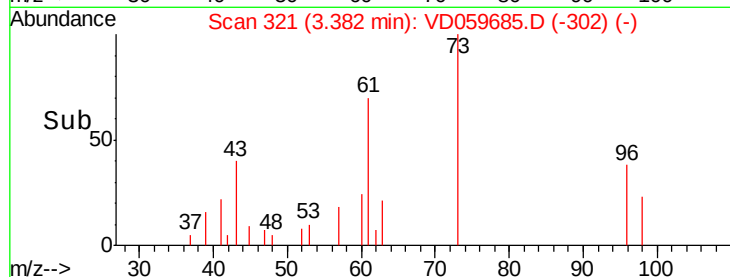
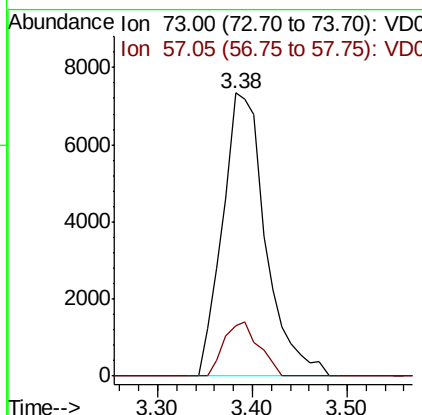
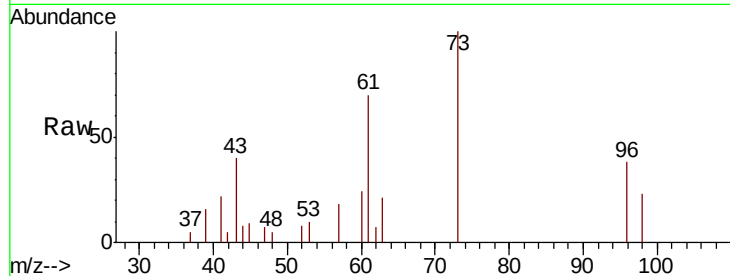




#19
Methyl tert-butyl Ether
Concen: 5.271 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

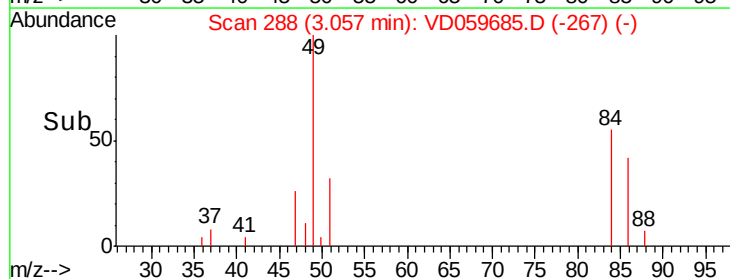
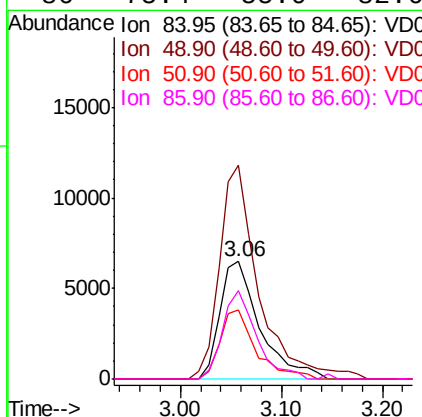
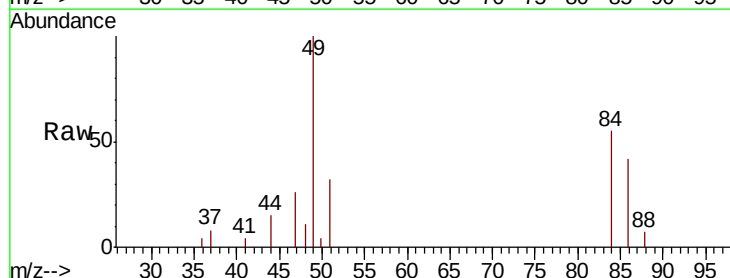
Instrument :
MSVOA_D
ClientSampleID :

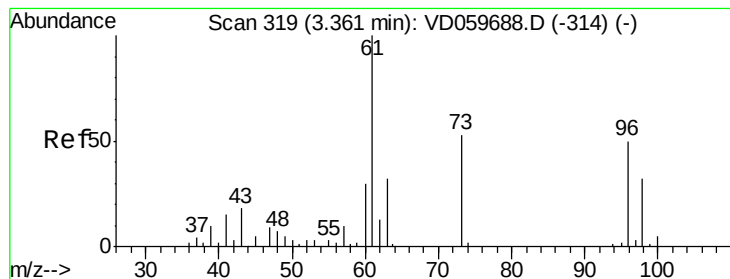
Tot Ion: 73 Resp: 23143
Ion Ratio Lower Upper
73 100
57 17.9 14.3 21.5



#20
Methylene Chloride
Concen: 8.685 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 84 Resp: 17880
Ion Ratio Lower Upper
84 100
49 181.5 143.4 215.2
51 58.6 44.2 66.4
86 75.4 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 5.913 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

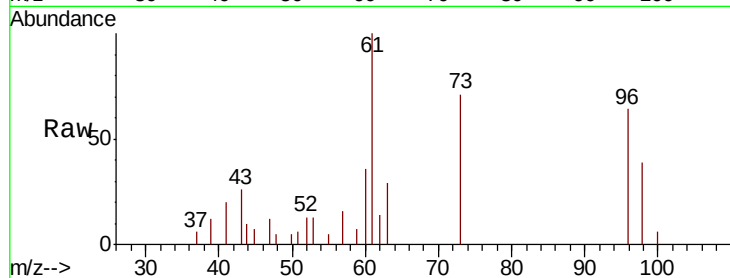
Tot Ion: 96 Resp: 9152

Ion Ratio Lower Upper

96 100

61 155.6 160.6 241.0#

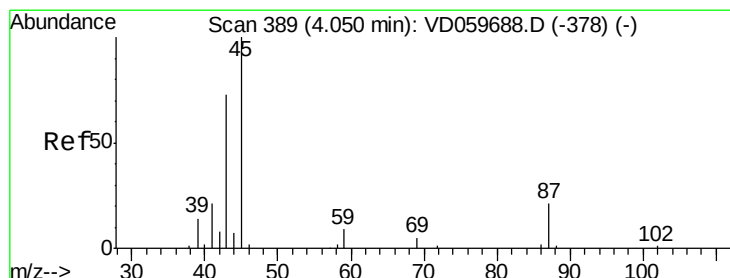
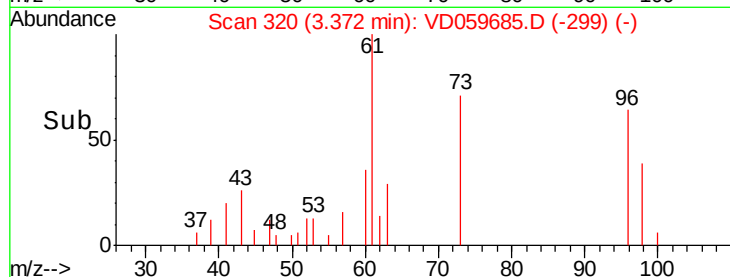
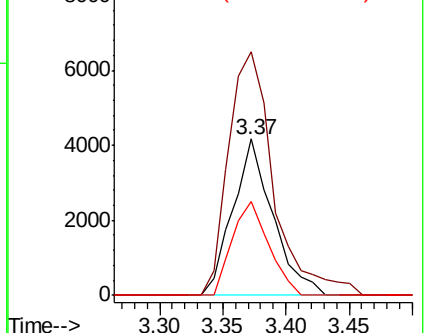
98 60.3 50.9 76.3



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: 4.831 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Tgt Ion: 45 Resp: 28590

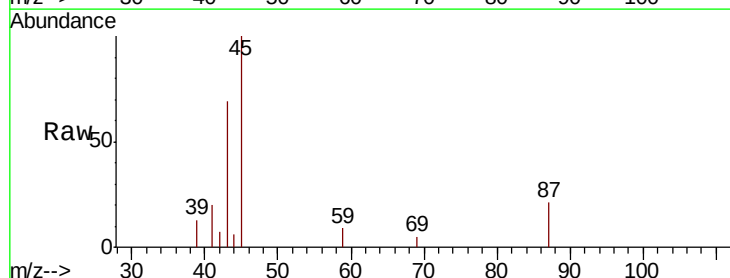
Ion Ratio Lower Upper

45 100

43 68.9 60.3 90.5

87 21.1 17.0 25.6

59 8.7 7.9 11.9

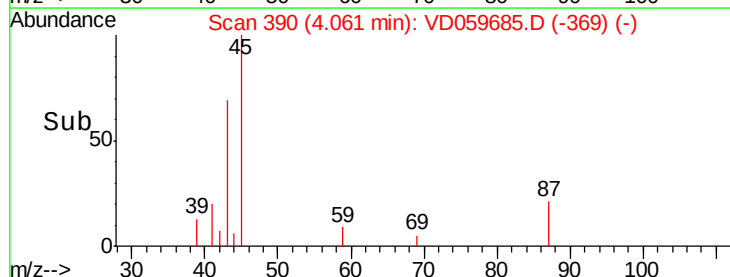
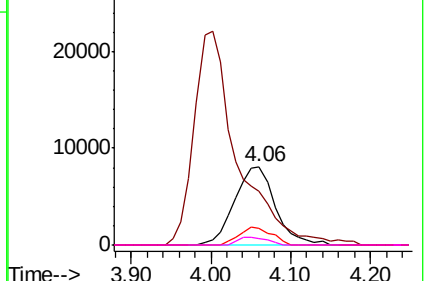


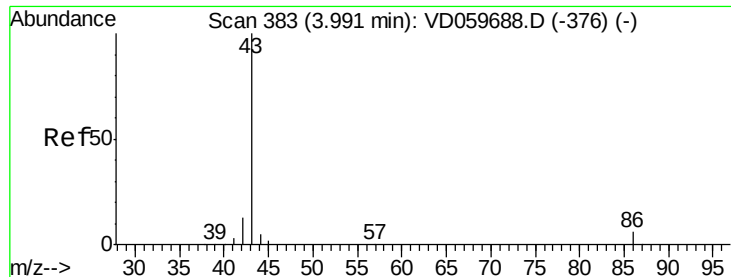
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 22.420 ug/l

RT: 4.00 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

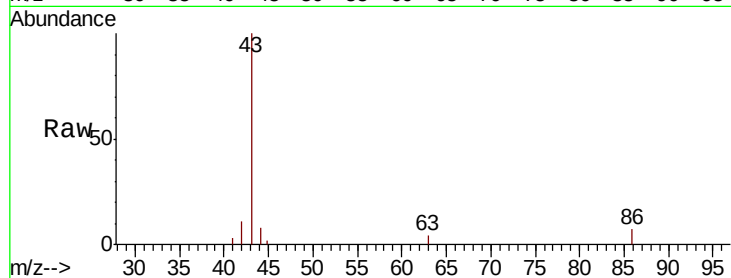
ClientSampleId :

Tot Ion: 43 Resp: 82817

Ion Ratio Lower Upper

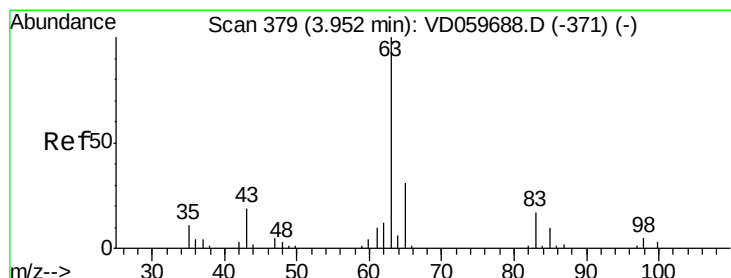
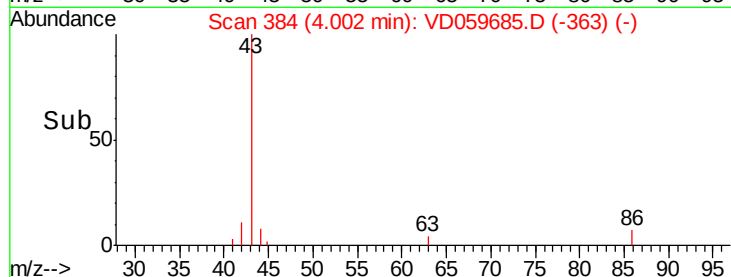
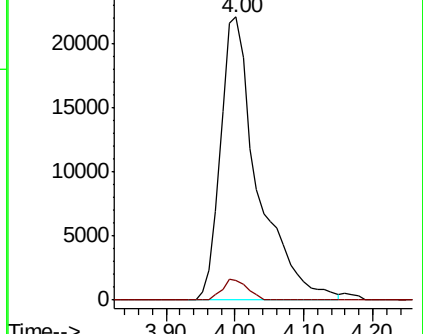
43 100

86 6.8 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.910 ug/l

RT: 3.95 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

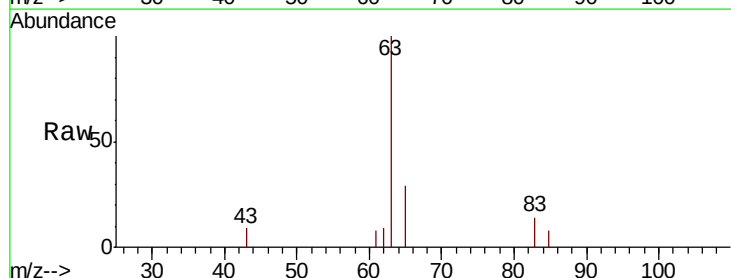
Tgt Ion: 63 Resp: 19571

Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

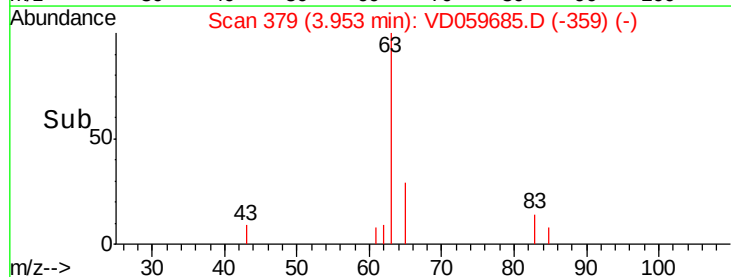
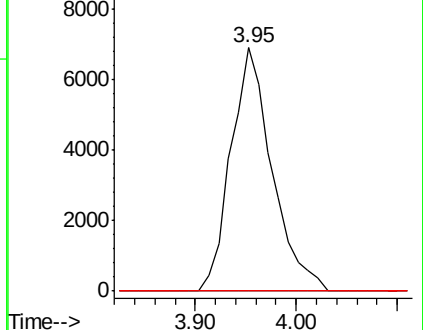
100 0.0 1.6 4.8#

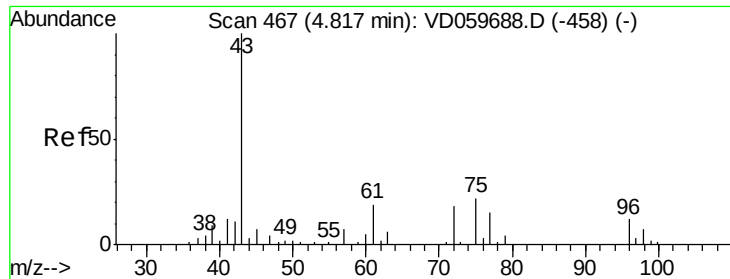


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 22.521 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

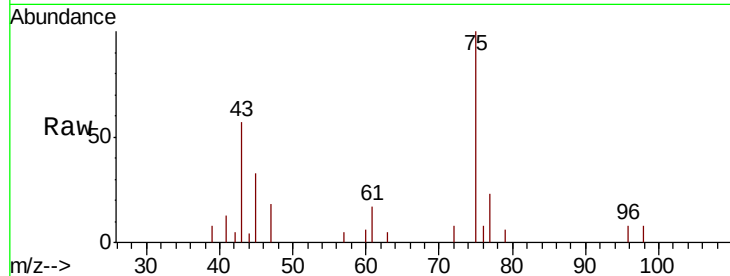
ClientSampleId :

Tot Ion: 43 Resp: 15862

Ion Ratio Lower Upper

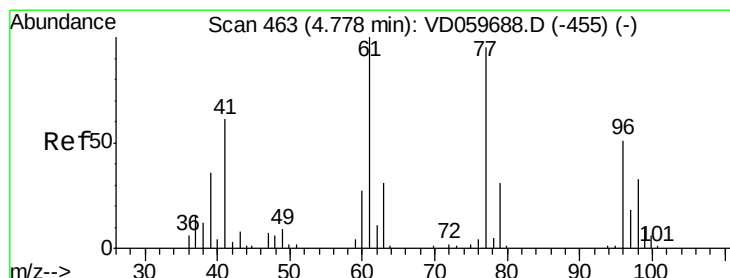
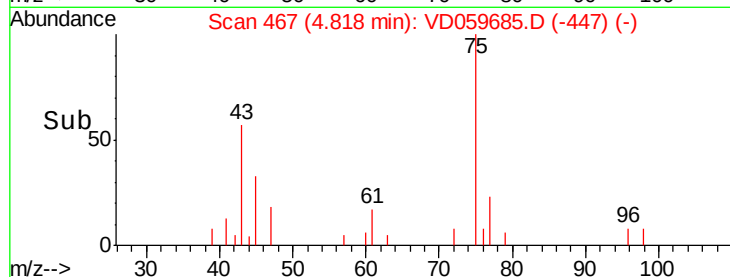
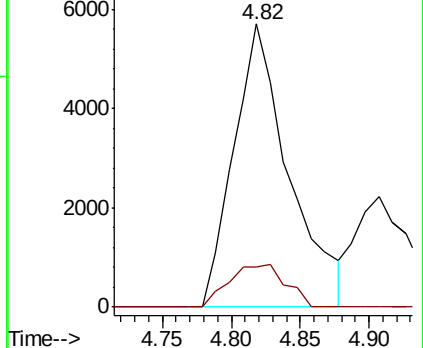
43 100

72 14.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.106 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059685.D

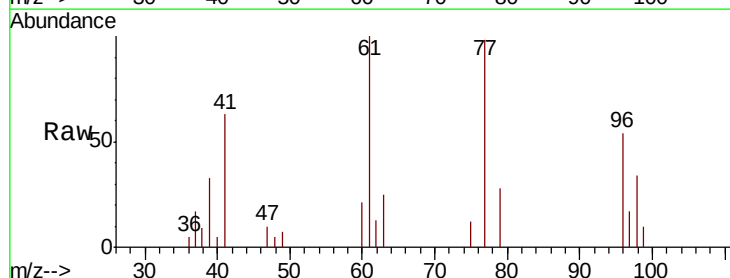
Acq: 6 Aug 2018 10:30

Tgt Ion: 77 Resp: 22101

Ion Ratio Lower Upper

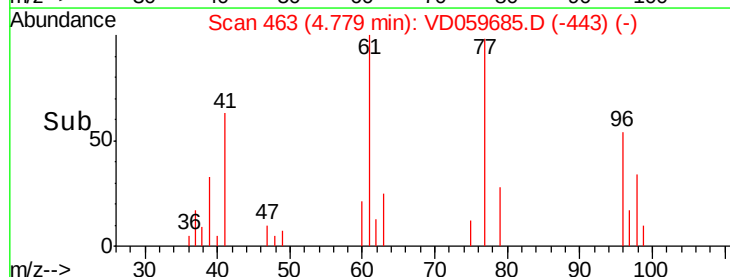
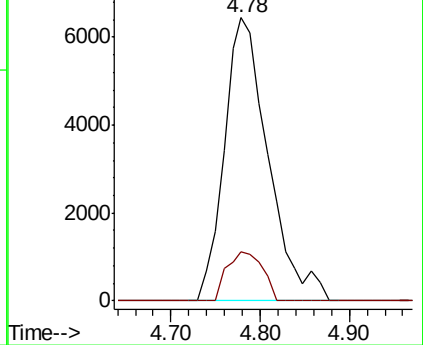
77 100

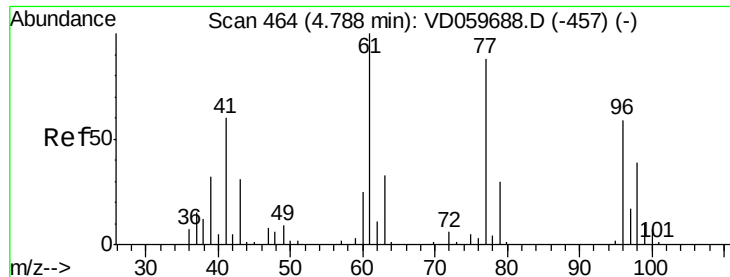
97 17.4 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



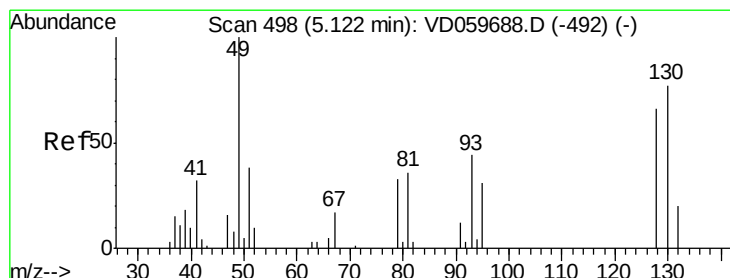
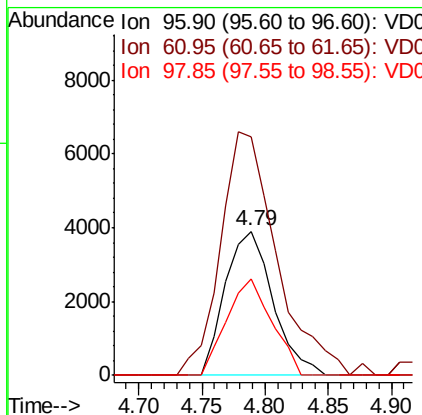
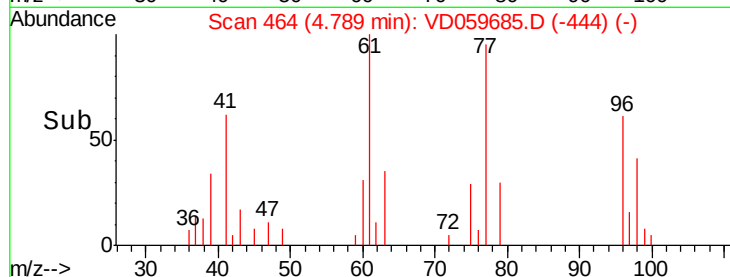
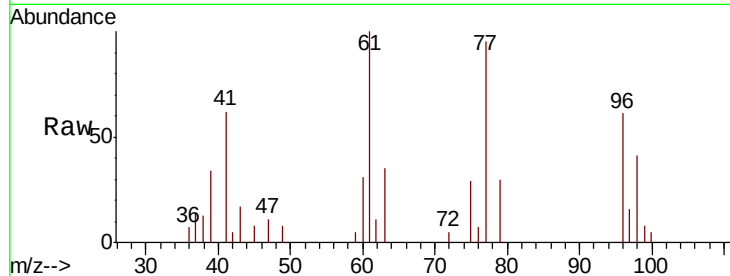


#27

cis-1,2-Dichloroethene
Concen: 4.901 ug/l
RT: 4.79 min Scan# 464
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampled :

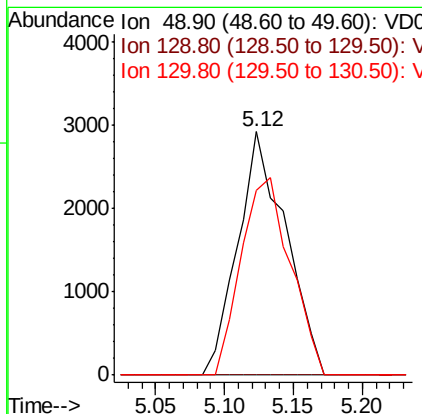
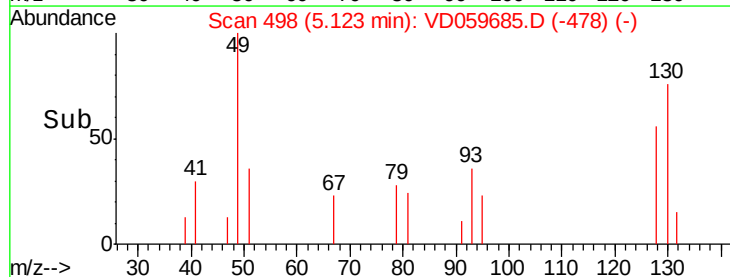
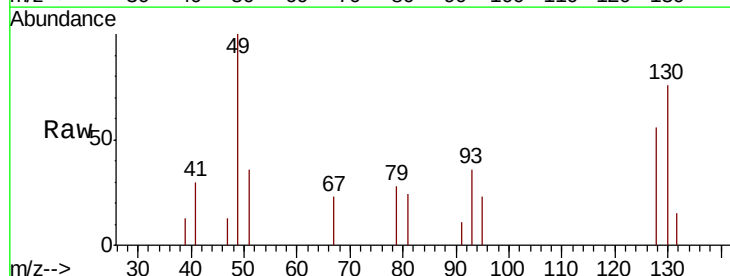
Tot Ion: 96 Resp: 10257
Ion Ratio Lower Upper
96 100
61 165.2 0.0 341.6
98 67.2 0.0 131.0

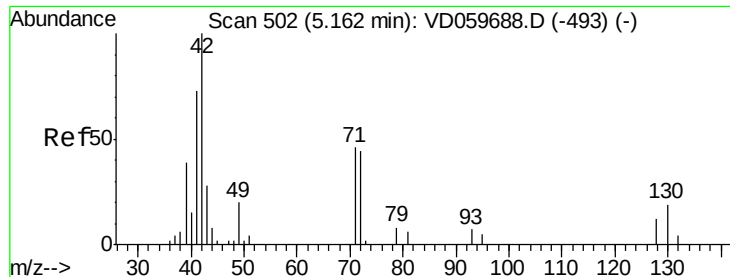


#28

Bromochloromethane
Concen: 4.788 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 49 Resp: 7074
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 75.6 61.2 91.8





#29

Tetrahydrofuran

Concen: 23.170 ug/l

RT: 5.17 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

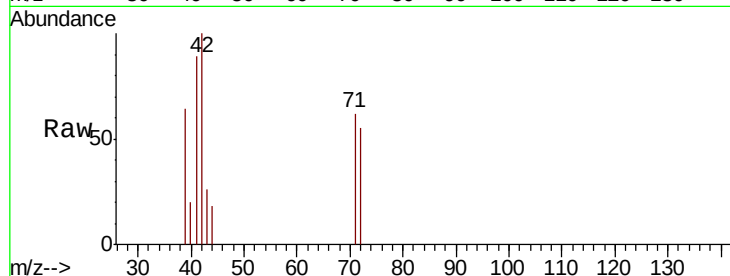
Tot Ion: 42 Resp: 6385

Ion Ratio Lower Upper

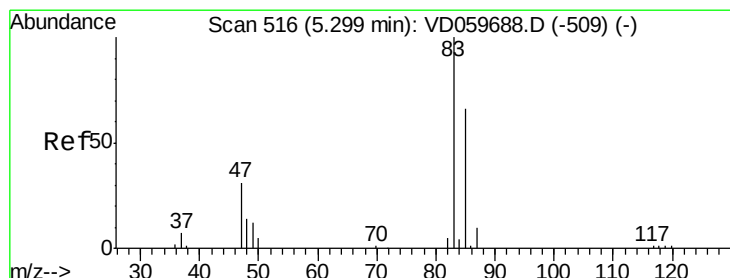
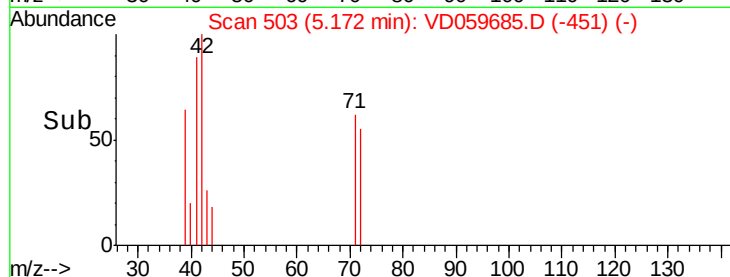
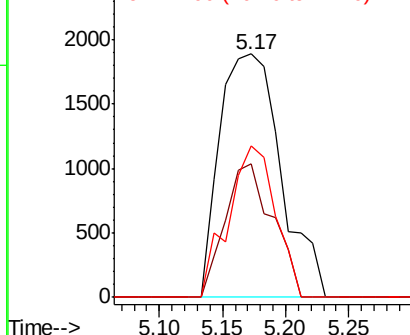
42 100

72 42.2 36.7 55.1

71 47.5 36.3 54.5



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: 4.700 ug/l

RT: 5.30 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD059685.D

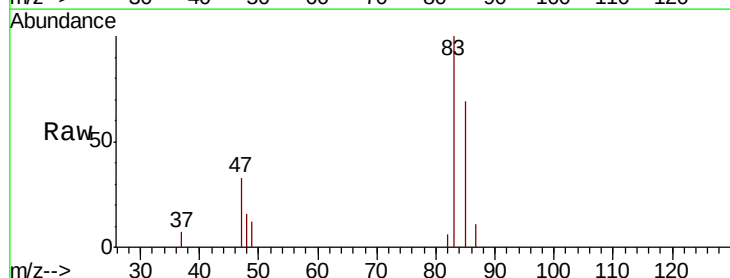
Acq: 6 Aug 2018 10:30

Tgt Ion: 83 Resp: 22612

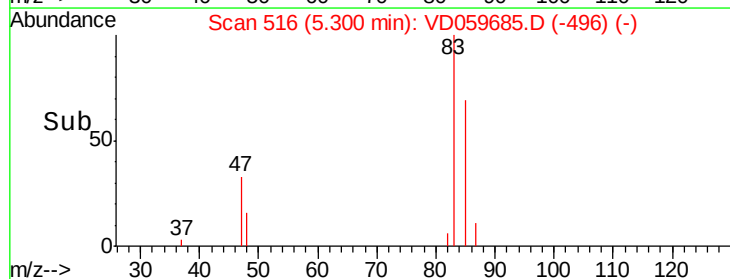
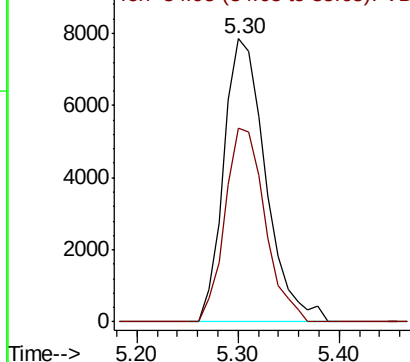
Ion Ratio Lower Upper

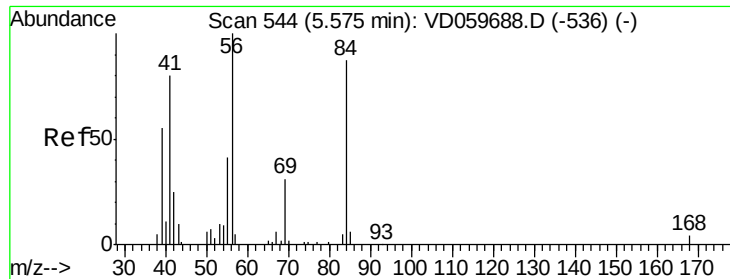
83 100

85 68.6 52.6 79.0



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

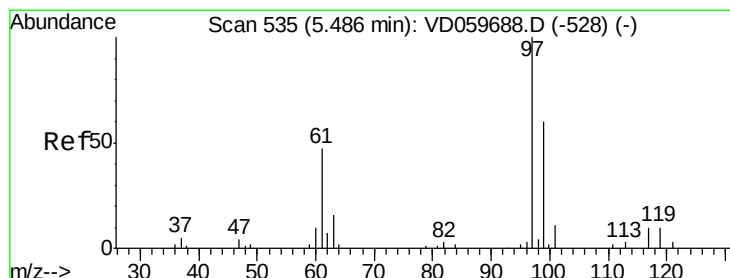
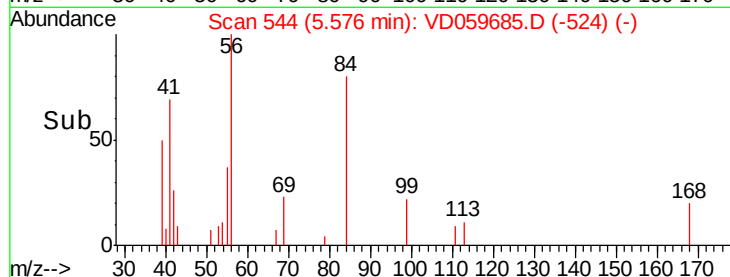
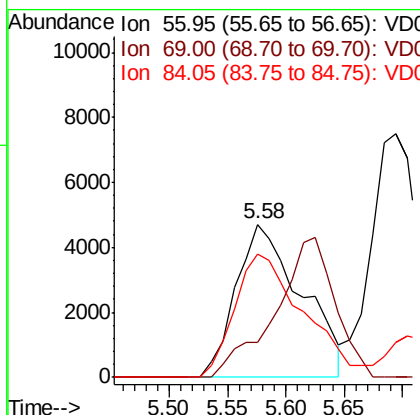
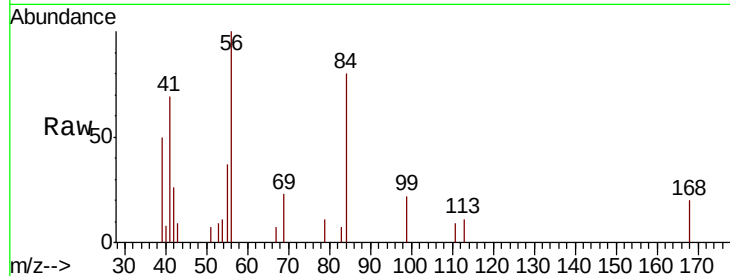




#31
Cyclohexane
Concen: 6.283 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

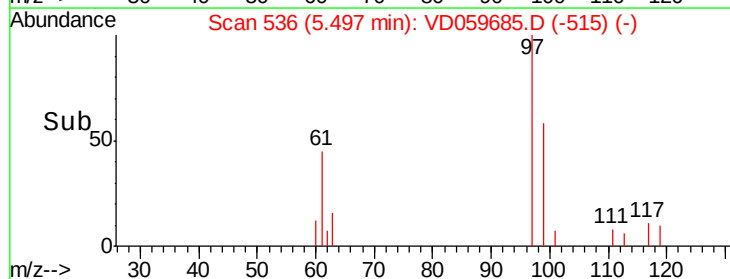
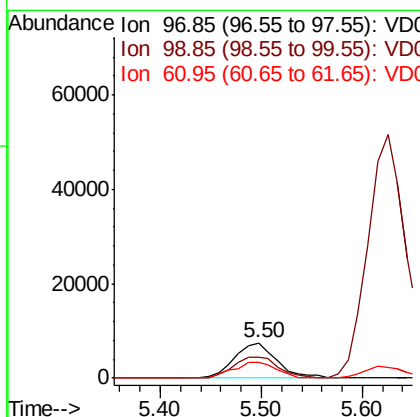
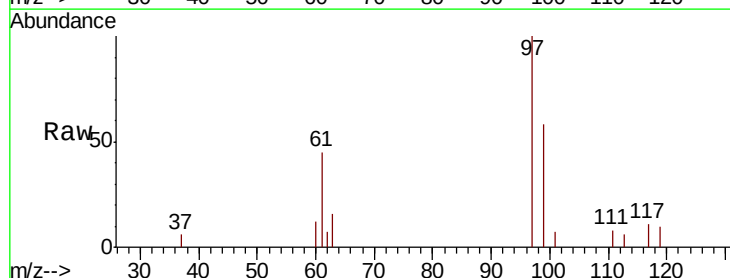
Instrument :
MSVOA_D
ClientSampleId :

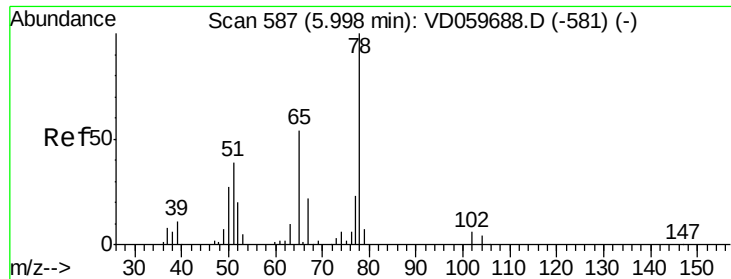
Tot Ion: 56 Resp: 18231
Ion Ratio Lower Upper
56 100
69 22.6 24.7 37.1#
84 80.3 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 4.599 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.01 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 97 Resp: 21686
Ion Ratio Lower Upper
97 100
99 57.7 48.2 72.2
61 45.2 37.5 56.3

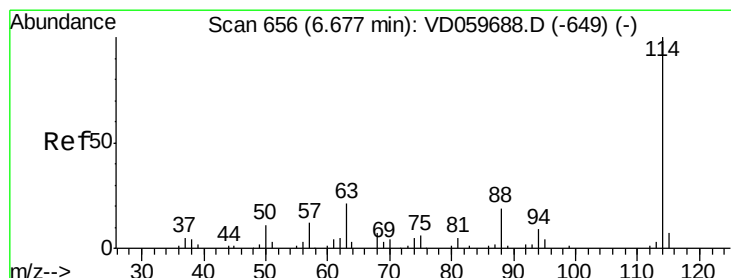
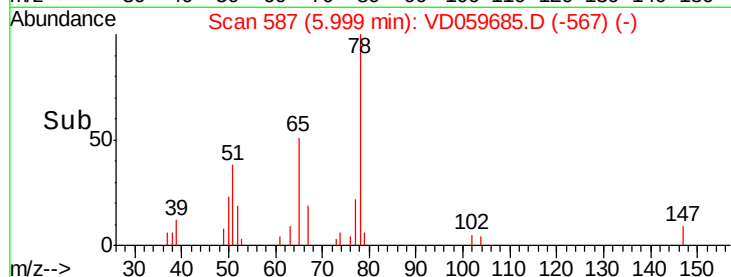
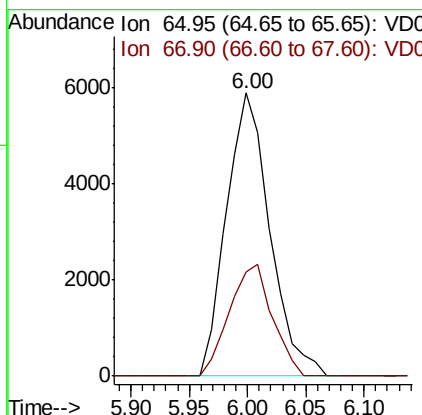
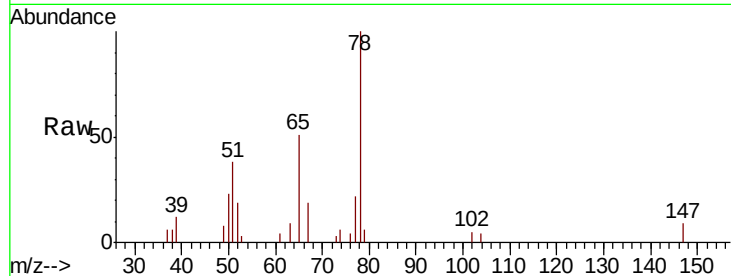




#33
 1,2-Dichloroethane-d4
 Concen: 4.599 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

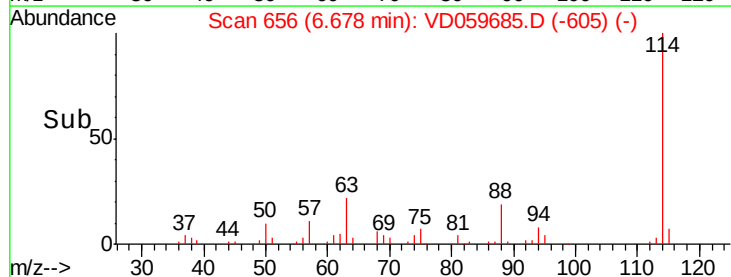
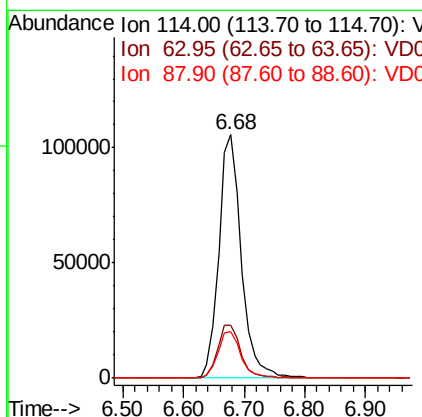
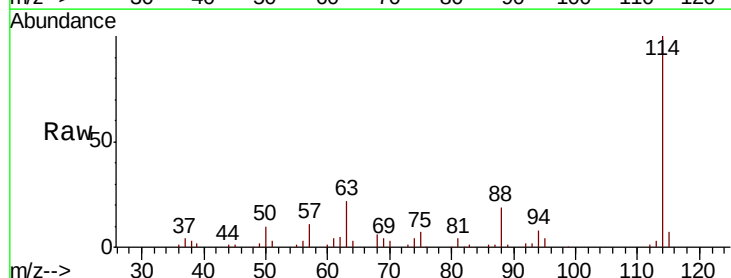
Instrument :
 MSVOA_D
 ClientSampleId :

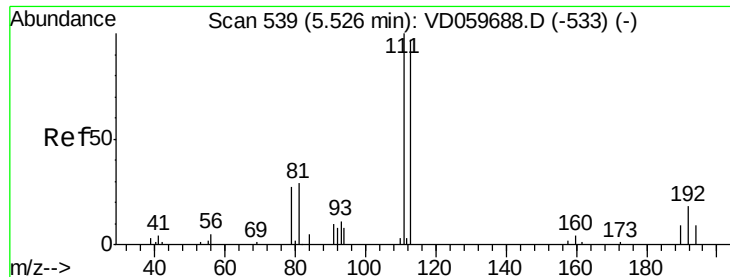
Tot Ion: 65 Resp: 15151
 Ion Ratio Lower Upper
 65 100
 67 36.7 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion:114 Resp: 272753
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.6
 88 19.2 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

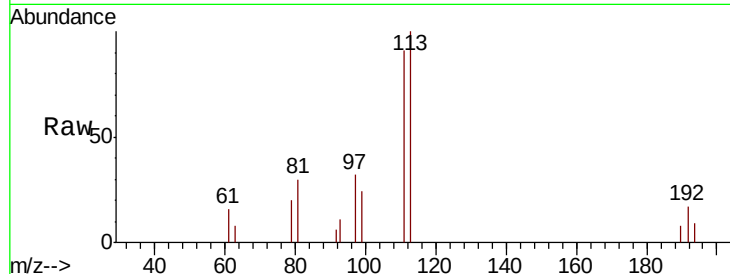
Tot Ion:113 Resp: 13078

Ion Ratio Lower Upper

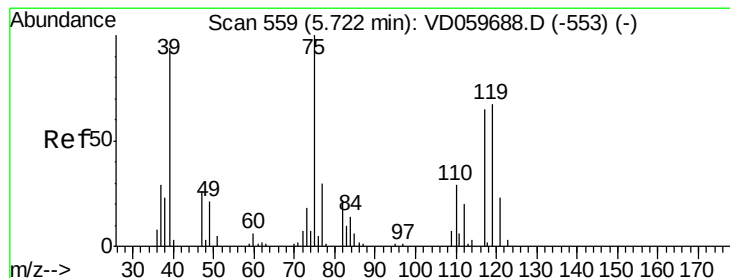
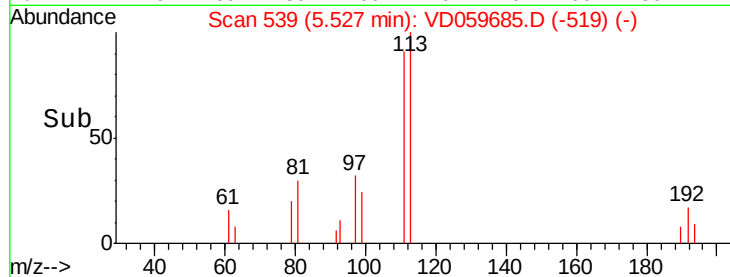
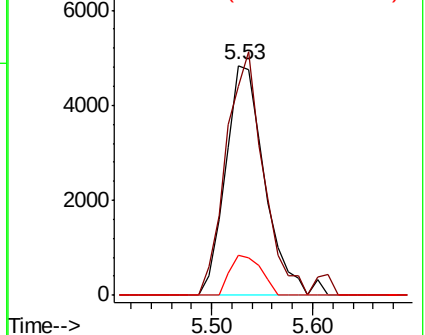
113 100

111 90.6 82.8 124.2

192 17.3 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.73 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

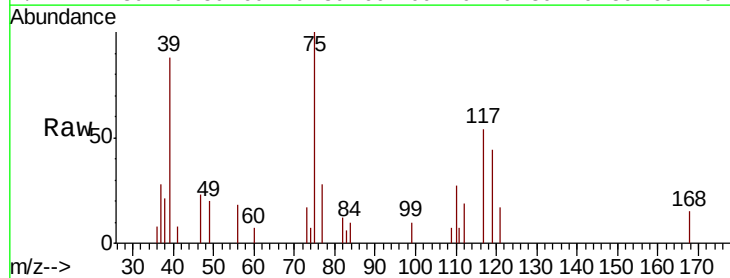
Tgt Ion: 75 Resp: 15728

Ion Ratio Lower Upper

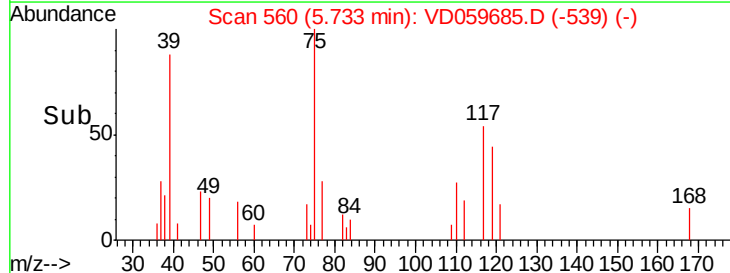
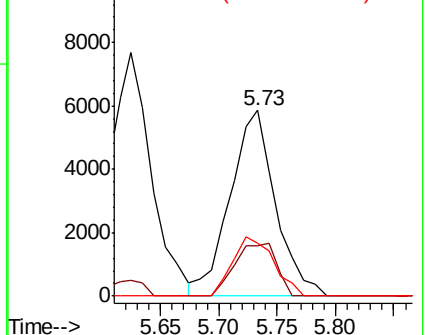
75 100

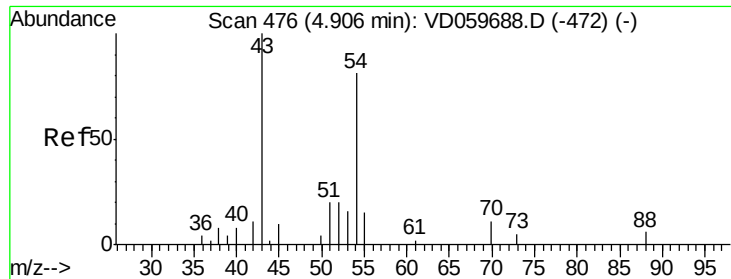
110 27.1 14.1 42.3

77 28.4 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

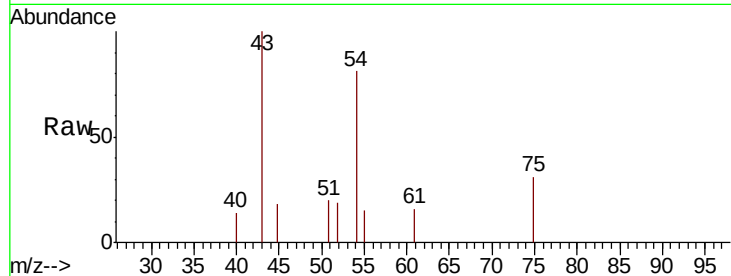




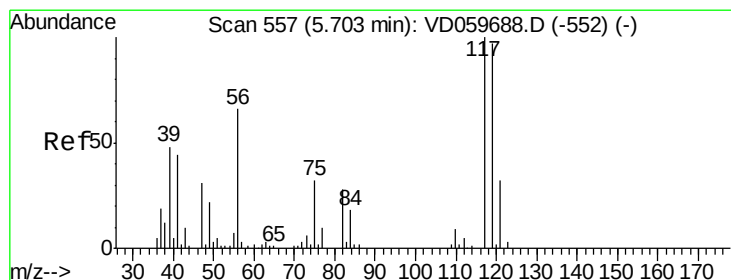
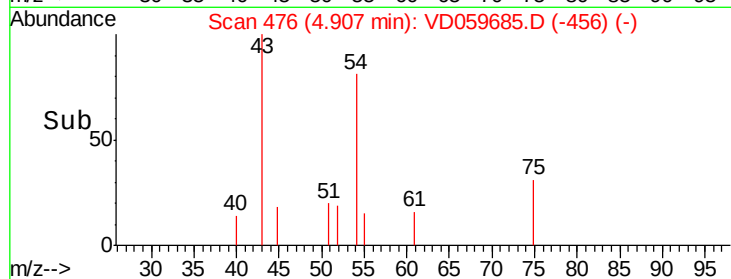
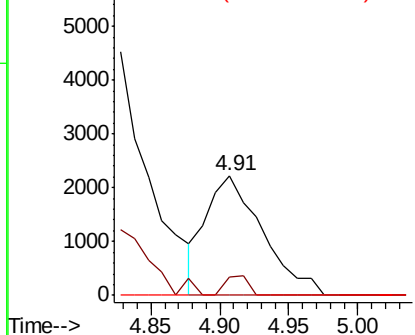
#37
Ethyl Acetate
Concen: 4.406 ug/l
RT: 4.91 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 6319
Ion Ratio Lower Upper
43 100
61 15.6 10.1 15.1#
70 0.0 5.4 8.2#

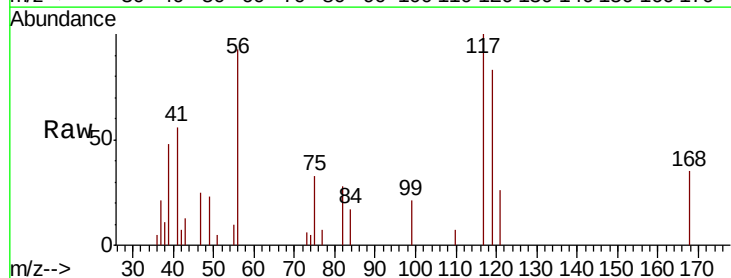


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

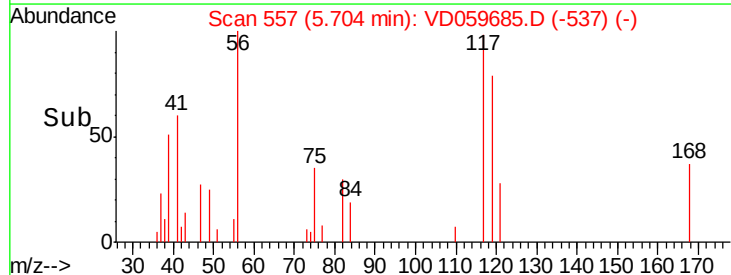
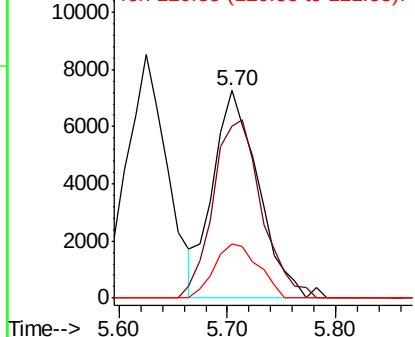


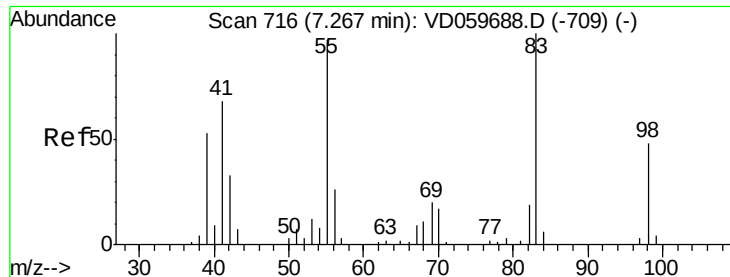
#38
Carbon Tetrachloride
Concen: 5.149 ug/l
RT: 5.70 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 117 Resp: 21264
Ion Ratio Lower Upper
117 100
119 83.0 75.3 112.9
121 26.3 24.4 36.6



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

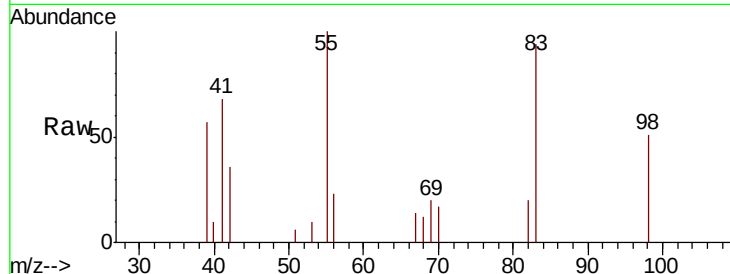




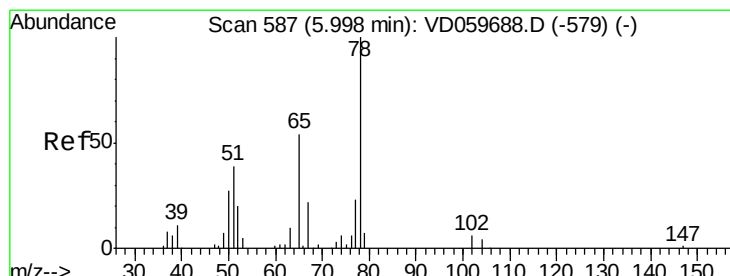
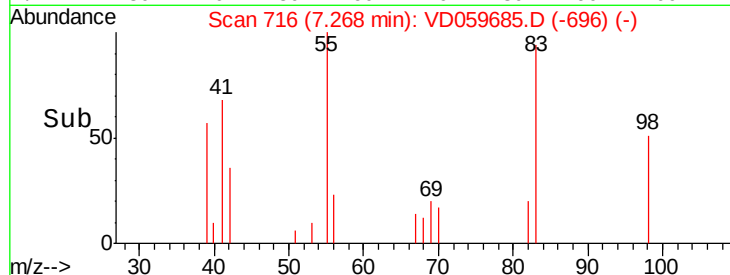
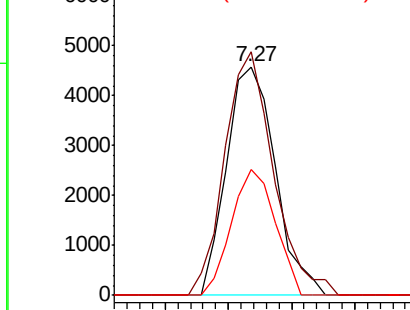
#39
Methylvlcyclohexane
Concen: 4.862 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 12272
Ion Ratio Lower Upper
83 100
55 106.4 77.7 116.5
98 54.8 38.7 58.1

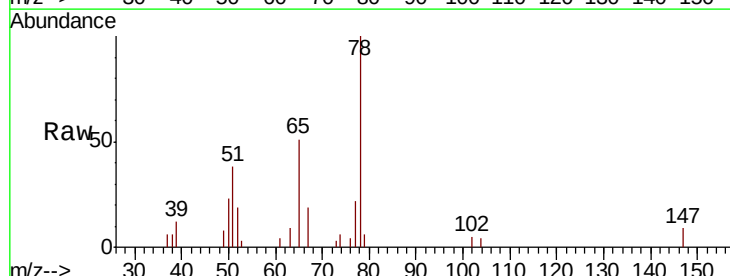


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

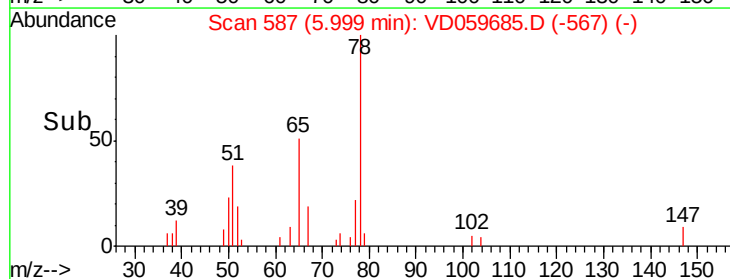
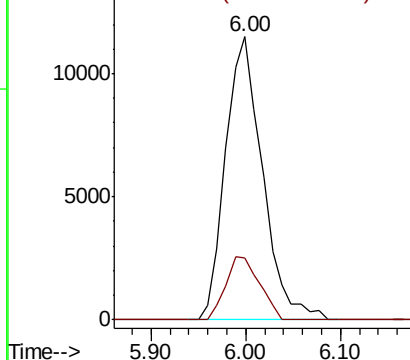


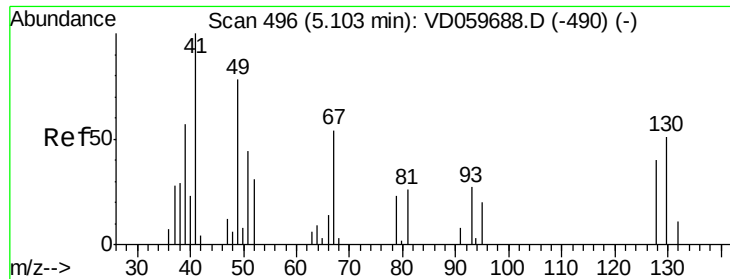
#40
Benzene
Concen: 5.290 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 78 Resp: 31090
Ion Ratio Lower Upper
78 100
77 21.8 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

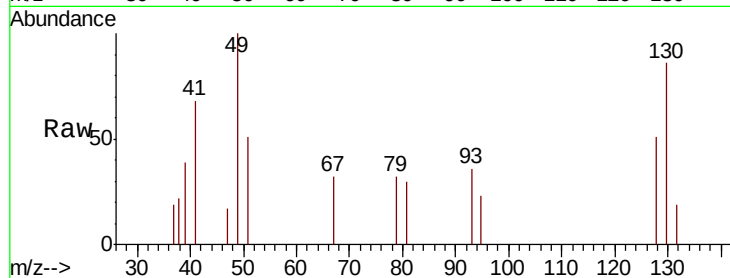




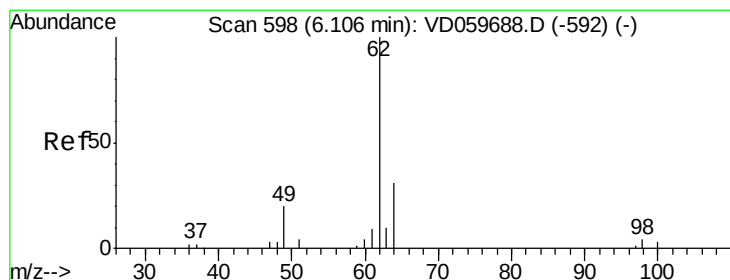
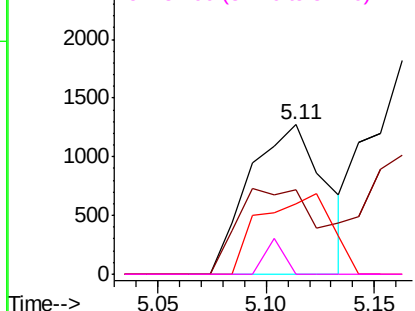
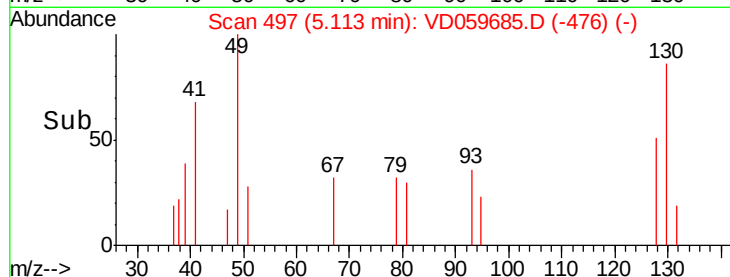
#41
Methacrylonitrile
Concen: 4.484 ug/l
RT: 5.11 min Scan# 497
Delta R.T. 0.01 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 3116
Ion Ratio Lower Upper
41 100
39 56.5 45.8 68.8
67 46.9 43.4 65.2
52 0.0 24.6 37.0#

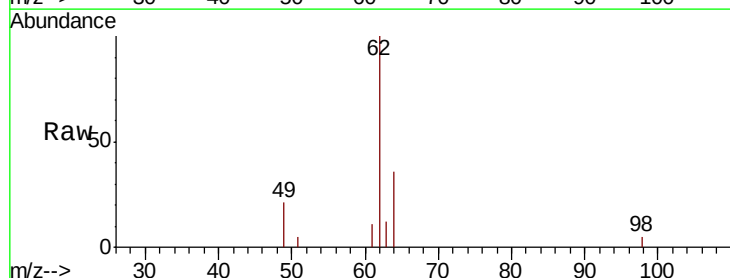


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

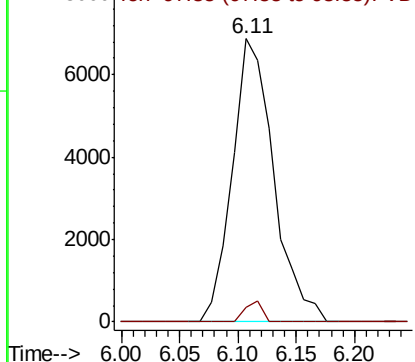
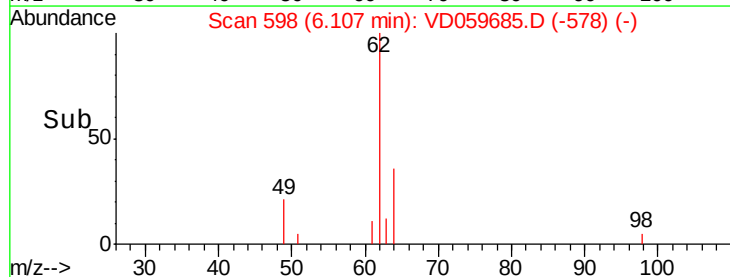


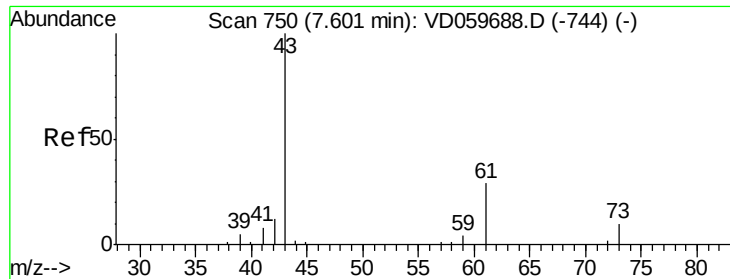
#42
1,2-Dichloroethane
Concen: 4.667 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 62 Resp: 16889
Ion Ratio Lower Upper
62 100
98 5.1 0.0 8.8



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





#43

Isopropyl Acetate

Concen: 4.489 ug/l

RT: 7.60 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

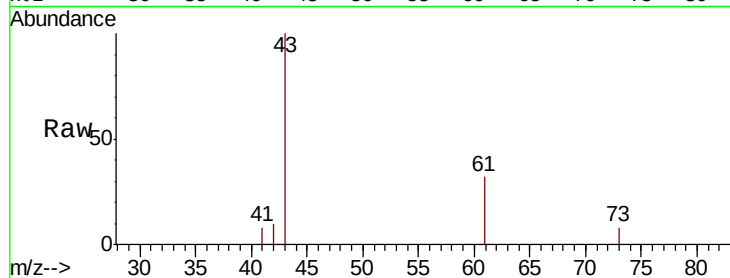
Tot Ion: 43 Resp: 8529

Ion Ratio Lower Upper

43 100

61 32.2 22.9 34.3

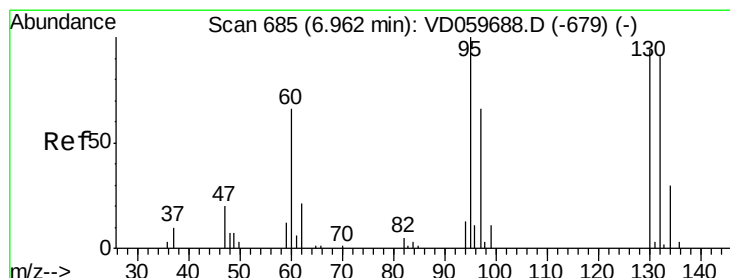
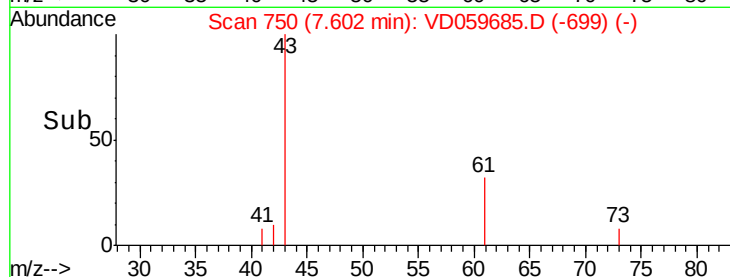
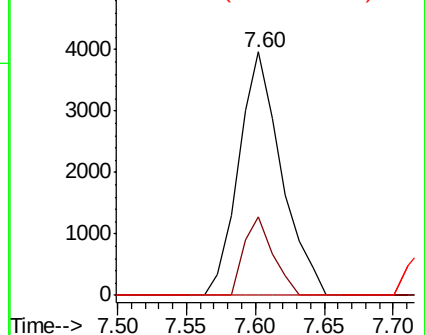
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.993 ug/l

RT: 6.96 min Scan# 685

Delta R.T. 0.00 min

Lab File: VD059685.D

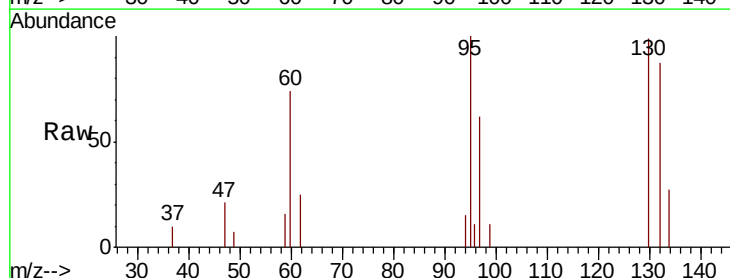
Acq: 6 Aug 2018 10:30

Tgt Ion:130 Resp: 10708

Ion Ratio Lower Upper

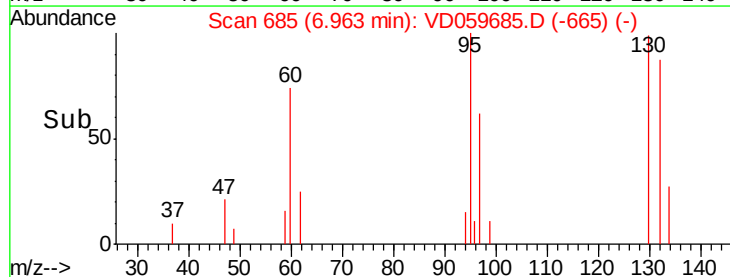
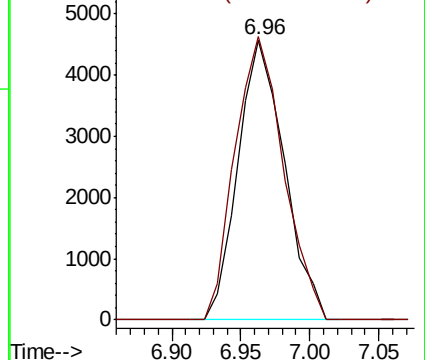
130 100

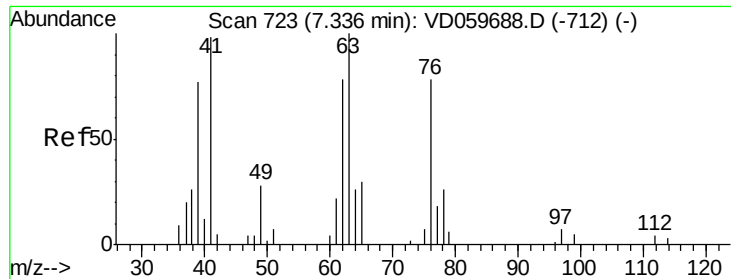
95 101.2 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.974 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

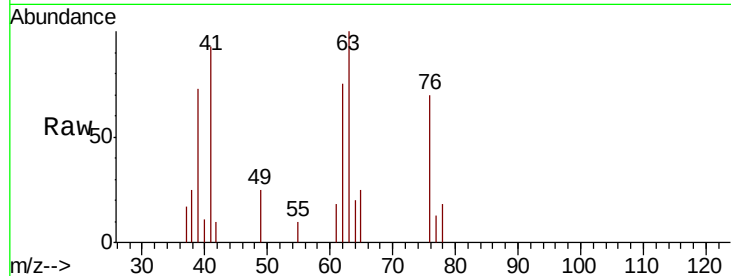
ClientSampled :

Tot Ion: 63 Resp: 7552

Ion Ratio Lower Upper

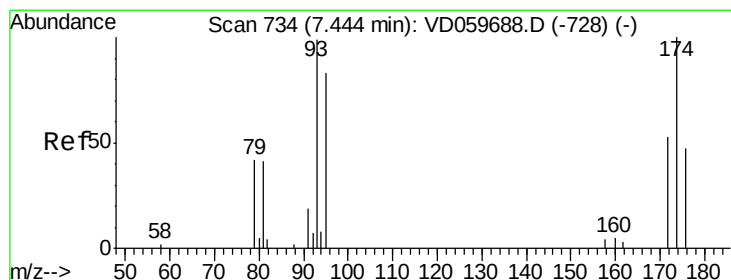
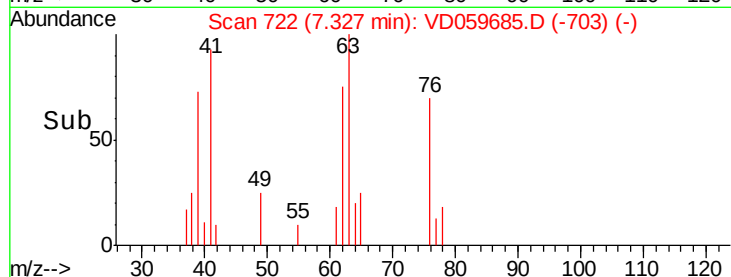
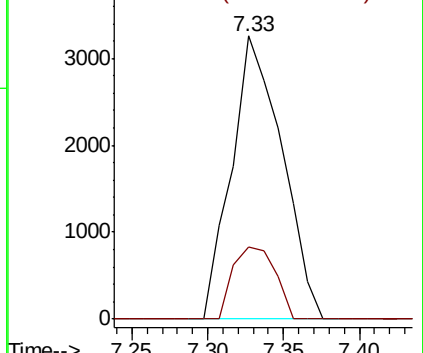
63 100

65 25.3 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 4.557 ug/l

RT: 7.44 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

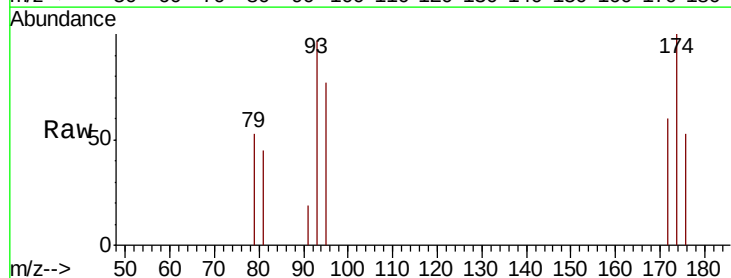
Tgt Ion: 93 Resp: 6089

Ion Ratio Lower Upper

93 100

95 78.9 66.6 100.0

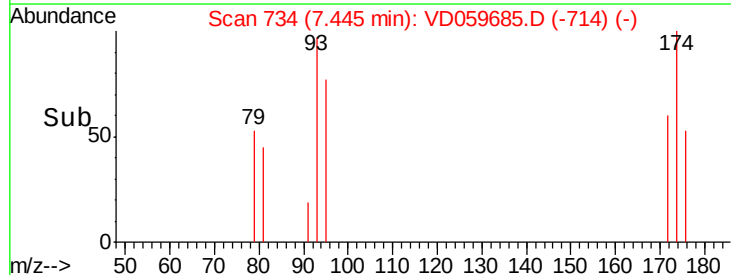
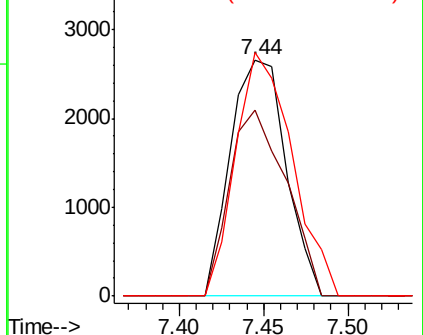
174 103.0 80.6 120.8

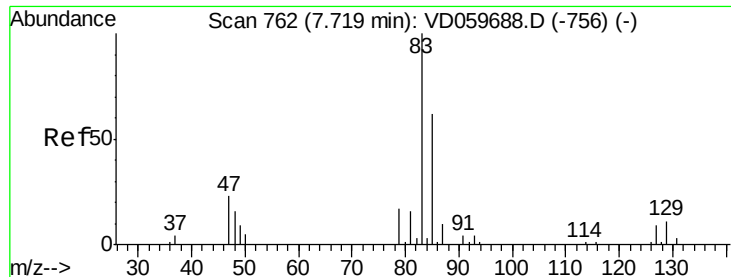


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 4.729 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampled :

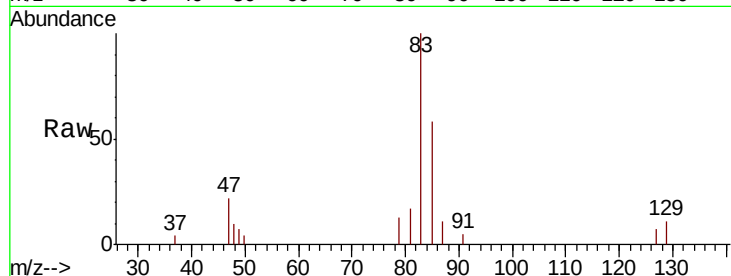
Tot Ion: 83 Resp: 16204

Ion Ratio Lower Upper

83 100

85 57.5 49.8 74.8

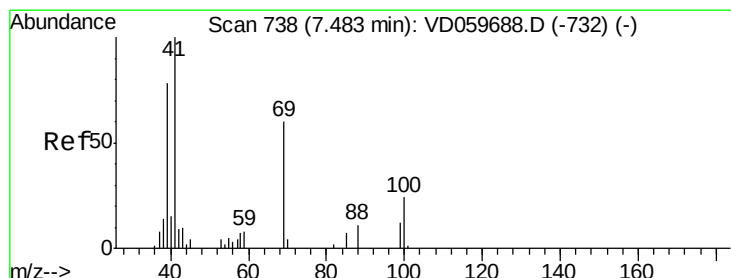
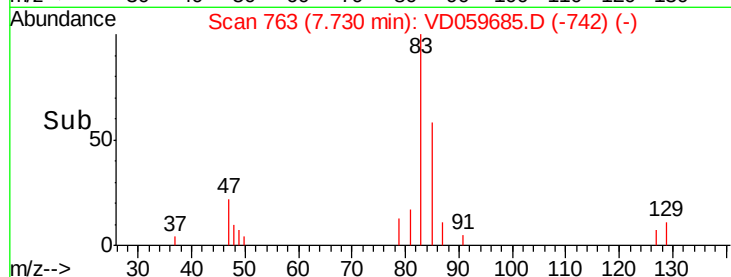
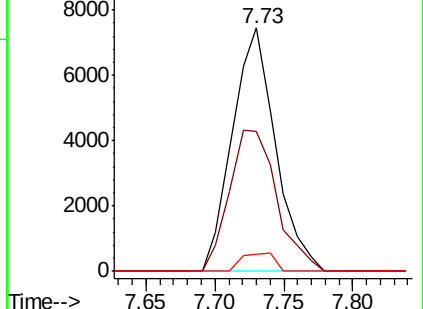
127 6.8 7.3 10.9#



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: 4.566 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

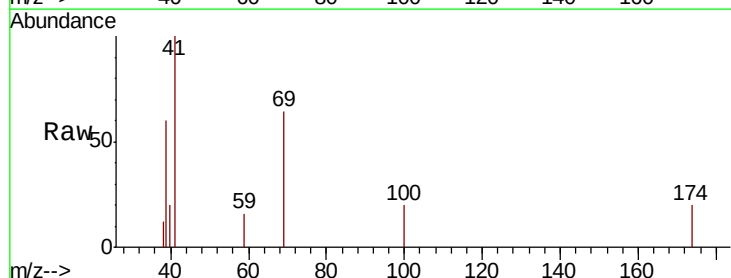
Tgt Ion: 41 Resp: 5748

Ion Ratio Lower Upper

41 100

69 63.9 47.3 70.9

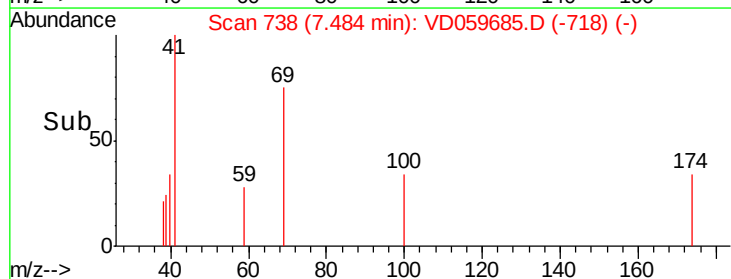
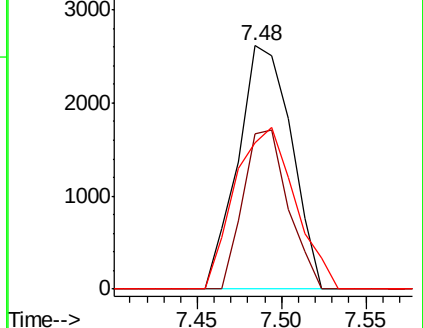
39 60.3 62.9 94.3#

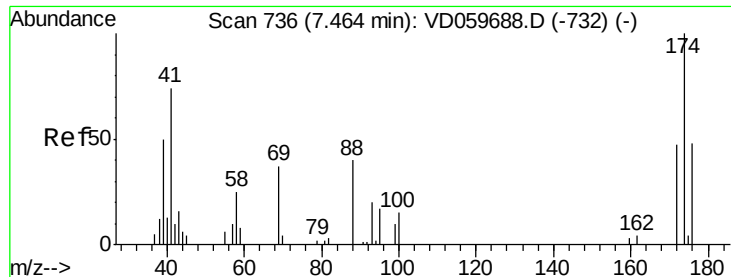


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

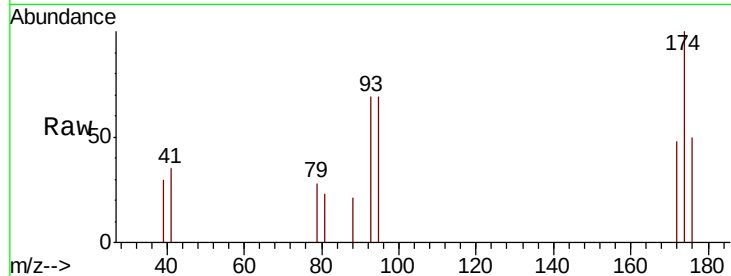




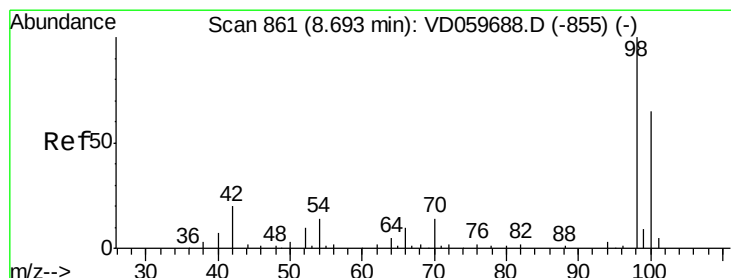
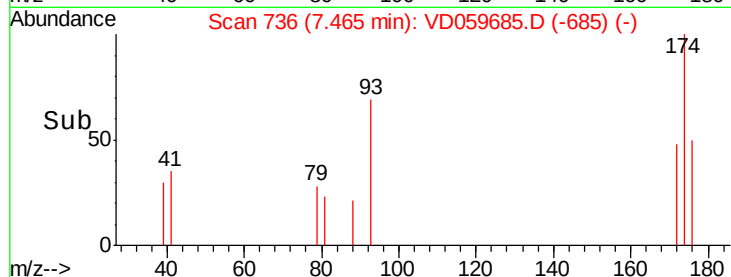
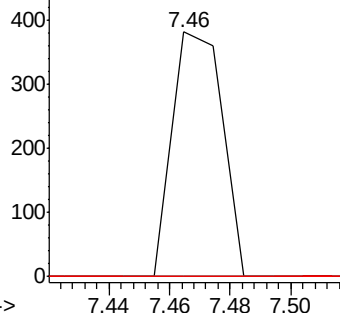
#49
 1,4-Dioxane
 Concen: 44.837 ug/l
 RT: 7.46 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 439
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.2 48.2#
 58 0.0 51.5 77.3#

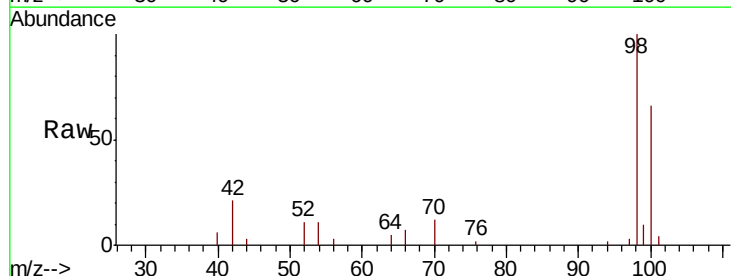


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

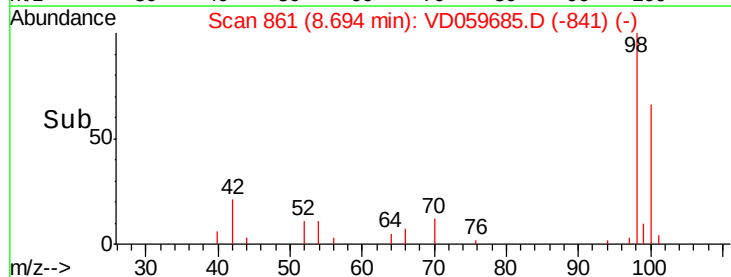
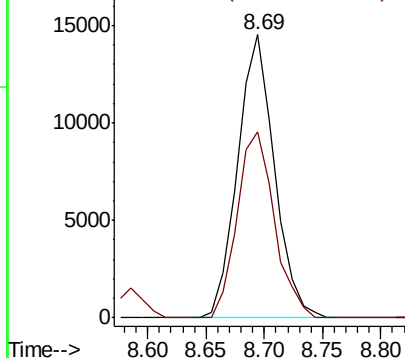


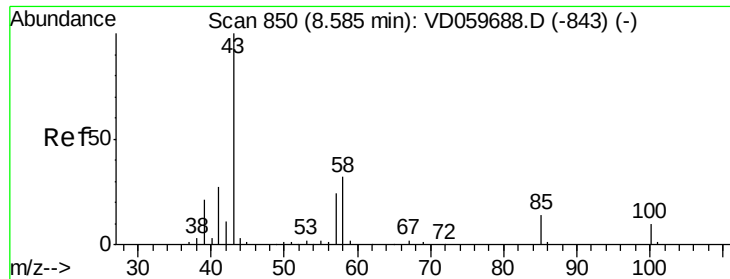
#50
 Toluene-d8
 Concen: 44.837 ug/l
 RT: 8.69 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion: 98 Resp: 31682
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.5 78.7



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: 22.148 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

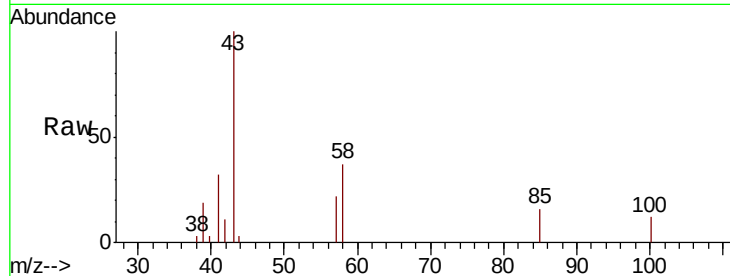
ClientSampled :

Tot Ion: 43 Resp: 30643

Ion Ratio Lower Upper

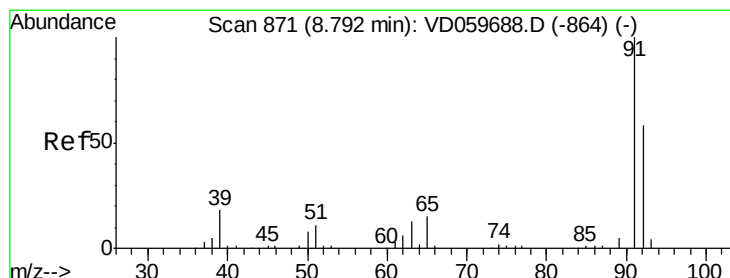
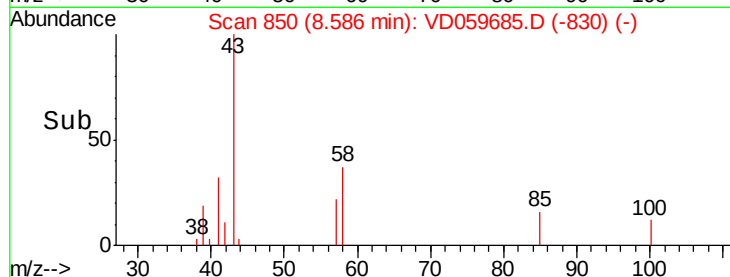
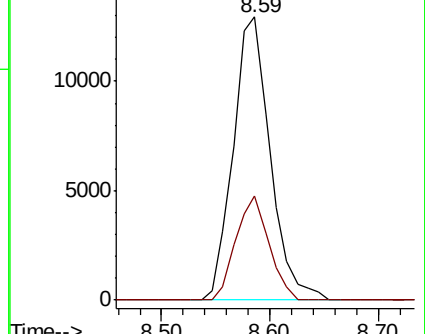
43 100

58 37.0 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.497 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059685.D

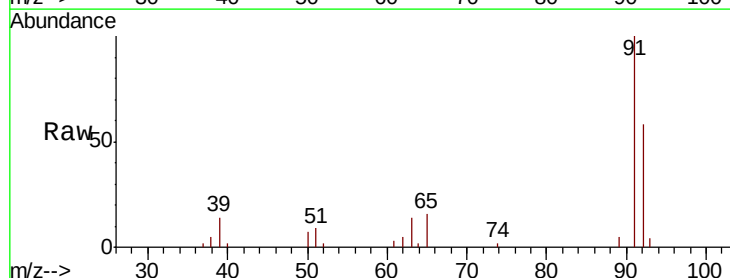
Acq: 6 Aug 2018 10:30

Tgt Ion: 92 Resp: 20352

Ion Ratio Lower Upper

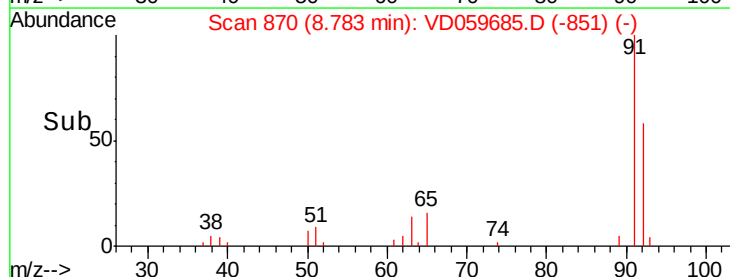
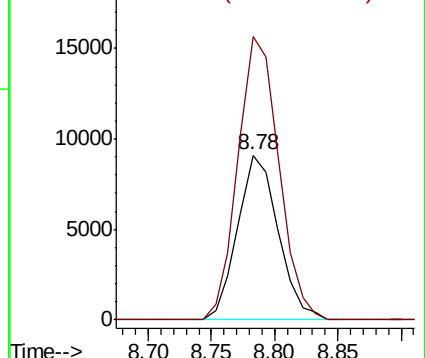
92 100

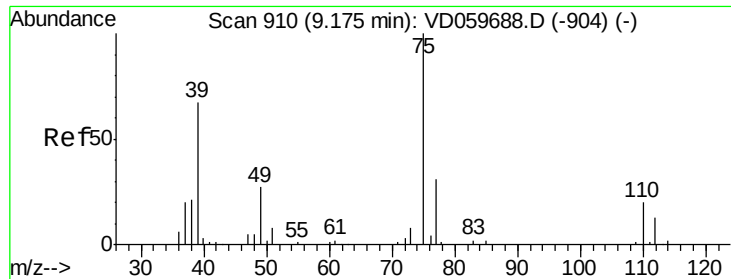
91 172.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

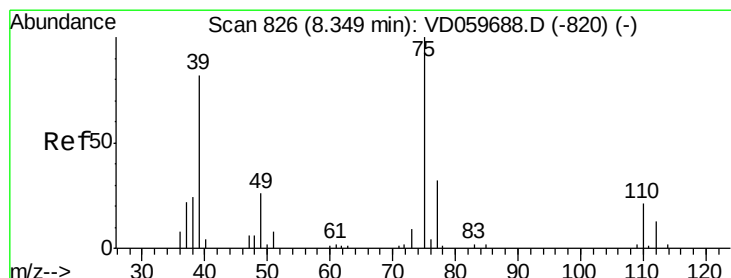
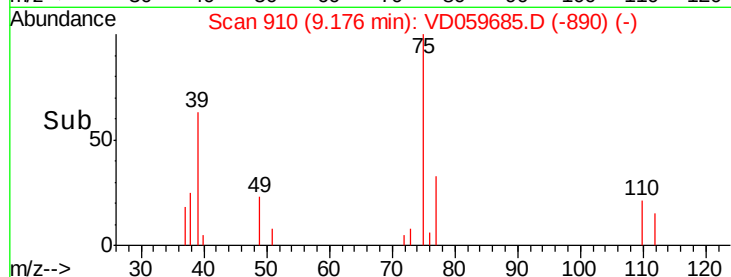
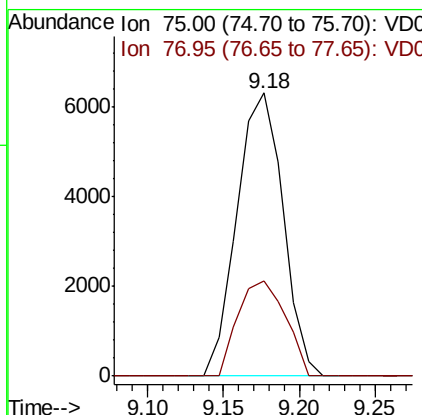
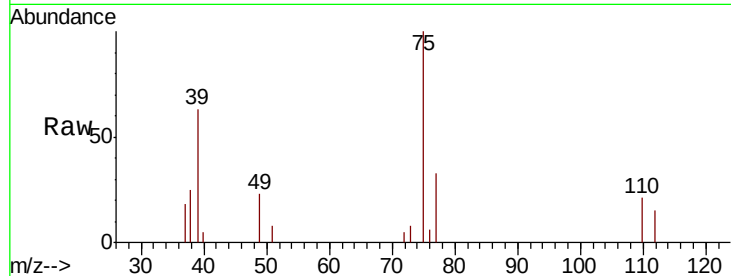




#53
 t-1,3-Dichloropropene
 Concen: 4.599 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

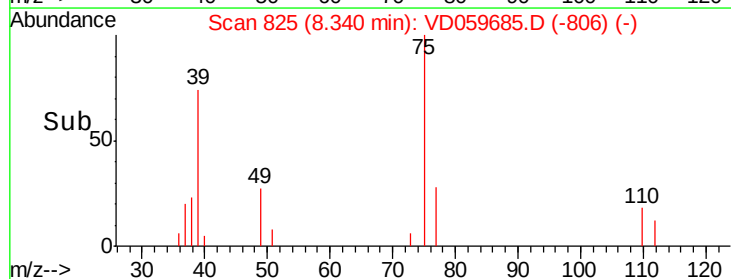
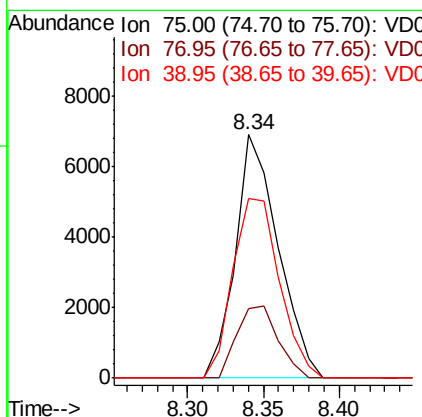
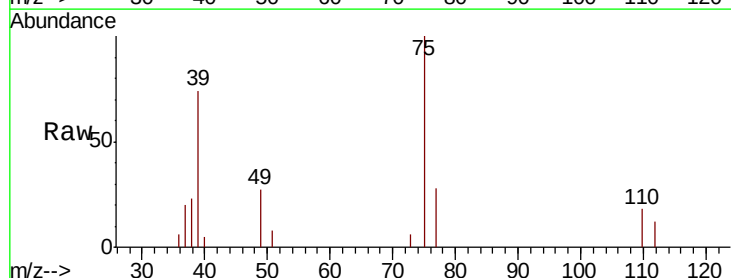
Instrument :
 MSVOA_D
 ClientSampleId :

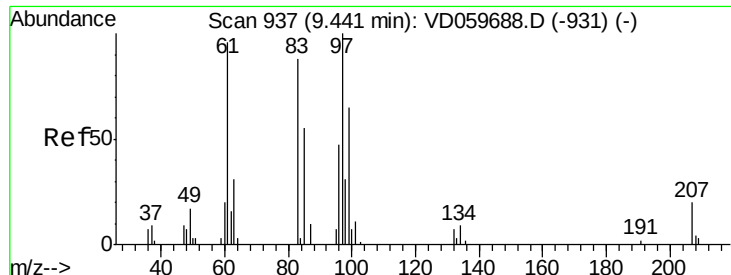
Tot Ion: 75 Resp: 13345
 Ion Ratio Lower Upper
 75 100
 77 33.5 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 4.612 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion: 75 Resp: 13507
 Ion Ratio Lower Upper
 75 100
 77 28.5 25.5 38.3
 39 73.6 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 5.407 ug/l

RT: 9.44 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 7677

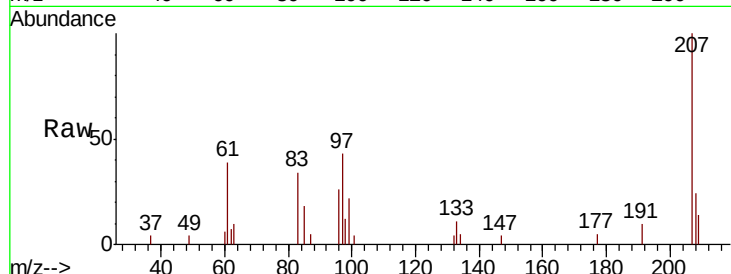
Ion Ratio Lower Upper

97 100

83 77.8 70.8 106.2

85 42.1 44.1 66.1#

99 51.6 52.2 78.4#

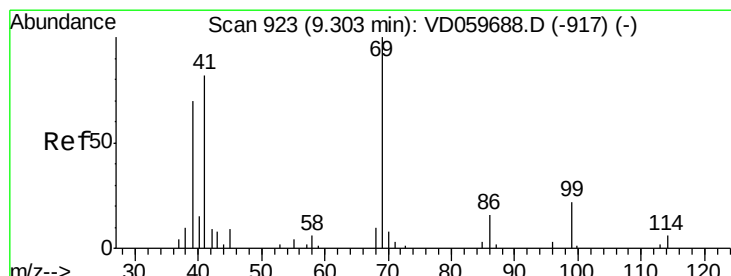
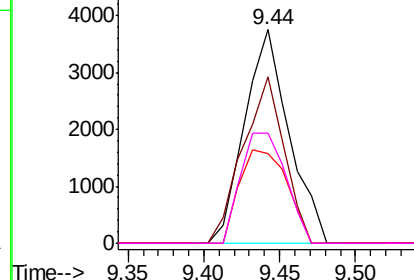
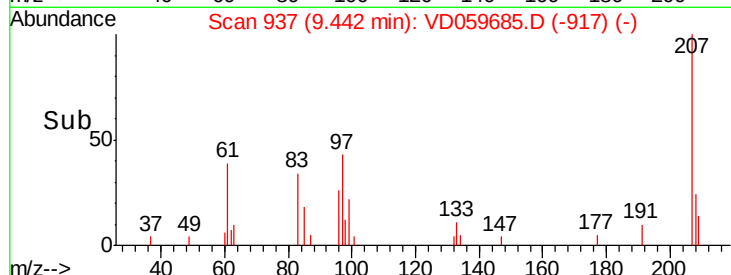


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 4.561 ug/l

RT: 9.30 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

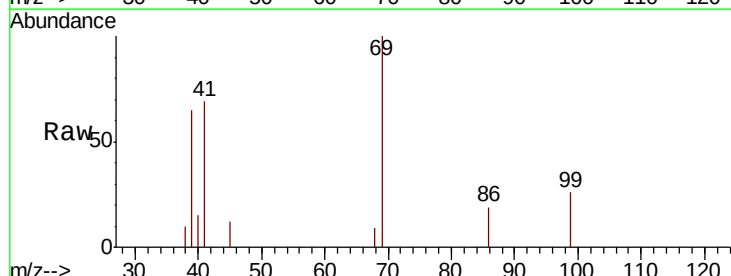
Tgt Ion: 69 Resp: 7323

Ion Ratio Lower Upper

69 100

41 68.5 65.7 98.5

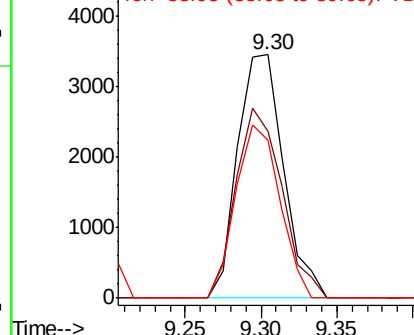
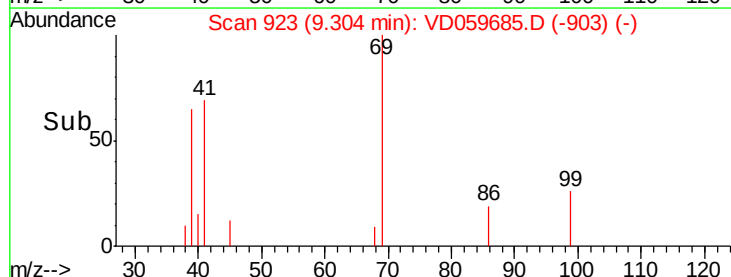
39 65.0 55.8 83.8

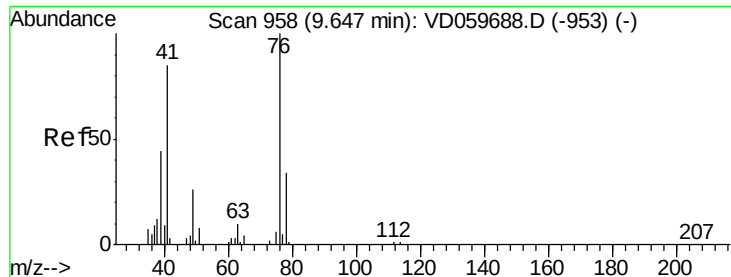


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 5.129 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

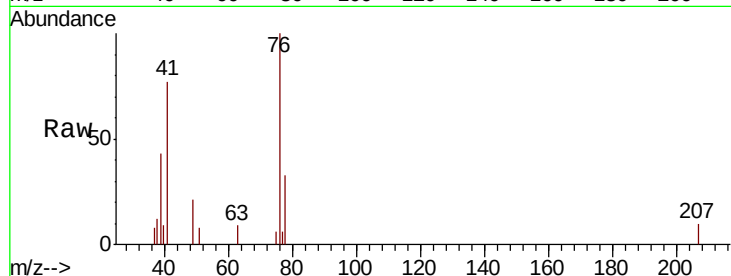
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 11710

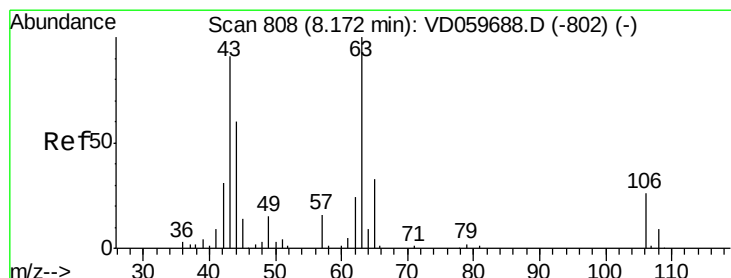
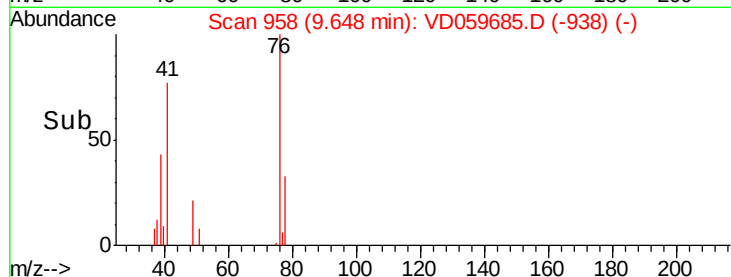
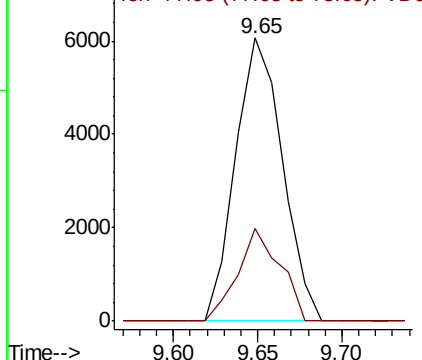
Ion Ratio Lower Upper

76 100

78 32.8 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 24.469 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD059685.D

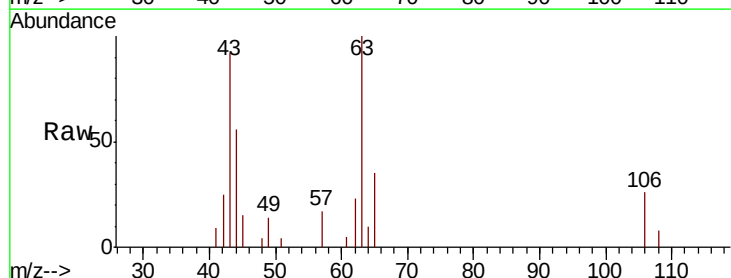
Acq: 6 Aug 2018 10:30

Tgt Ion: 63 Resp: 18542

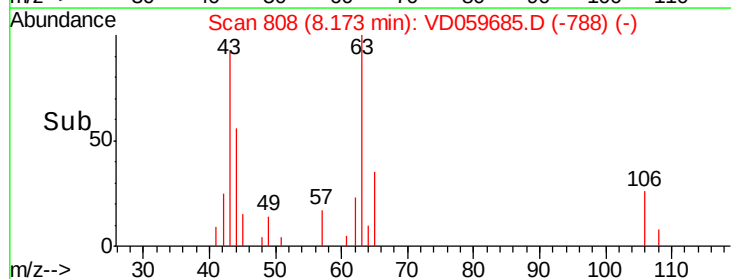
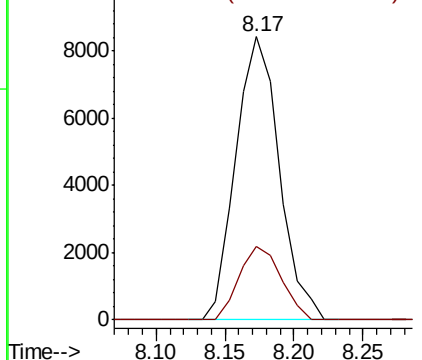
Ion Ratio Lower Upper

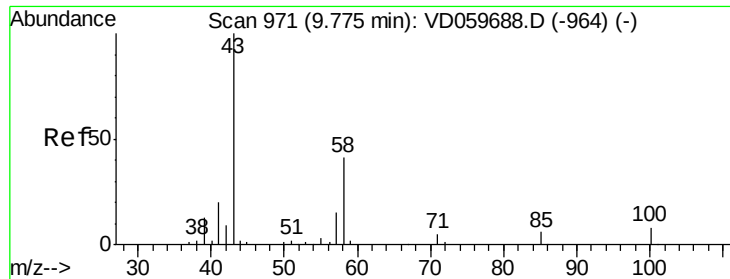
63 100

106 25.7 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

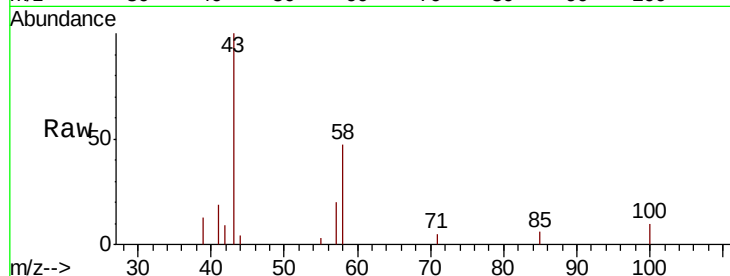




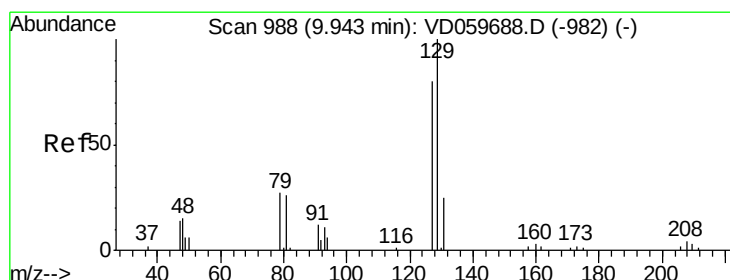
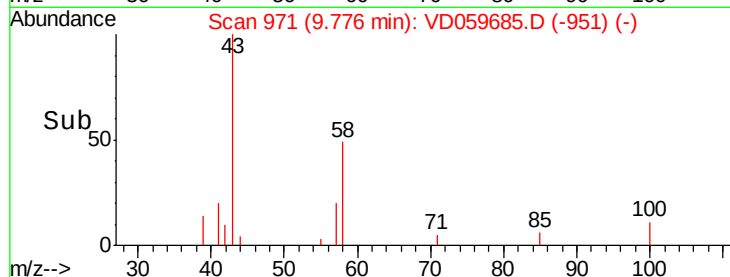
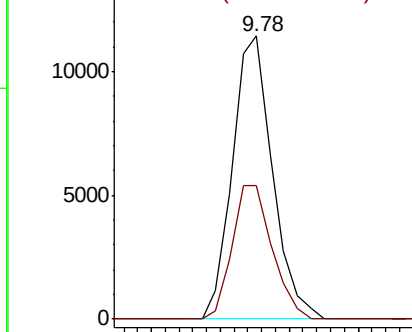
#59
2-Hexanone
Concen: 22.061 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 23101
Ion Ratio Lower Upper
43 100
58 47.1 20.4 61.3

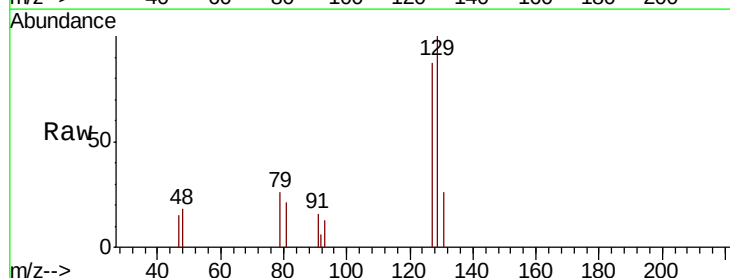


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

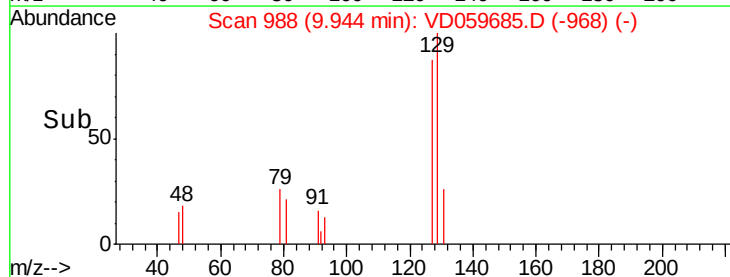
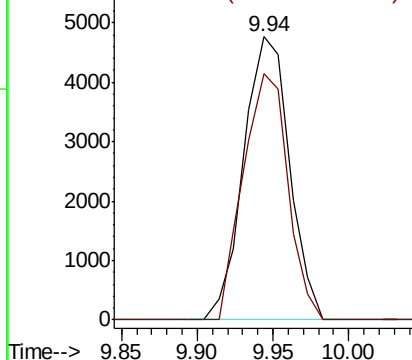


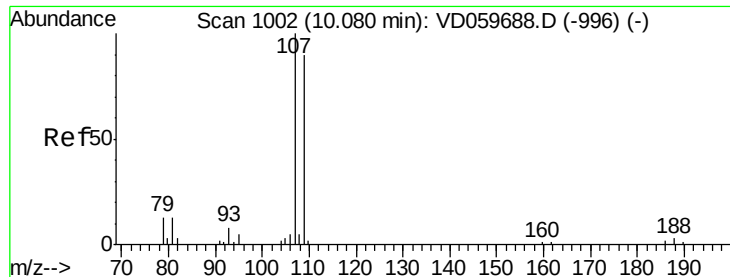
#60
Dibromochloromethane
Concen: 4.362 ug/l
RT: 9.94 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion:129 Resp: 10072
Ion Ratio Lower Upper
129 100
127 86.9 40.0 119.9



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





#61

1,2-Dibromoethane

Concen: 4.717 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

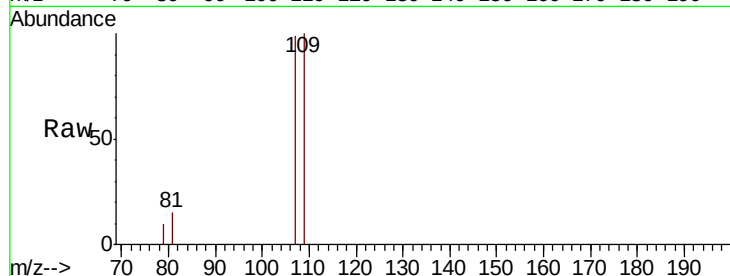
ClientSampleId :

Tot Ion:107 Resp: 7890

Ion Ratio Lower Upper

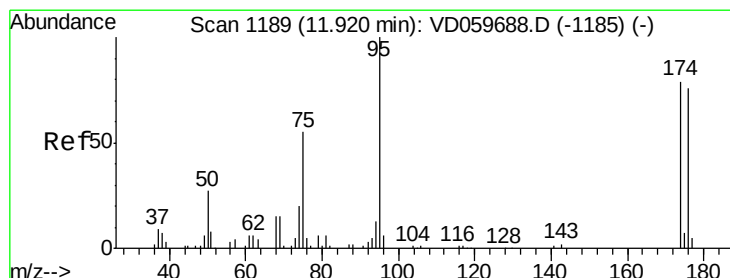
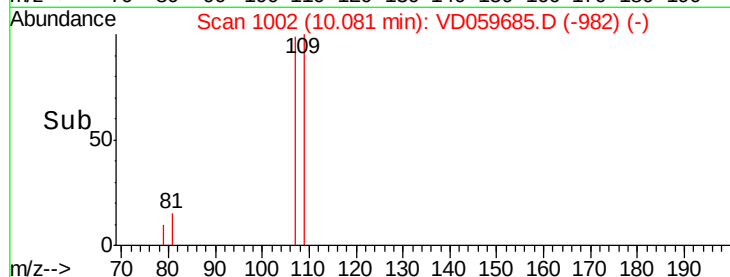
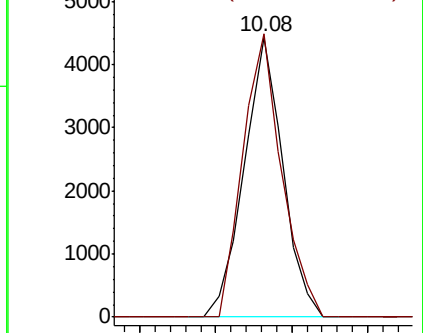
107 100

109 101.2 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.717 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

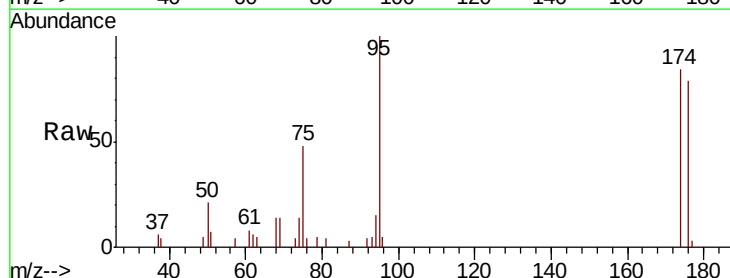
Tgt Ion: 95 Resp: 14577

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.4

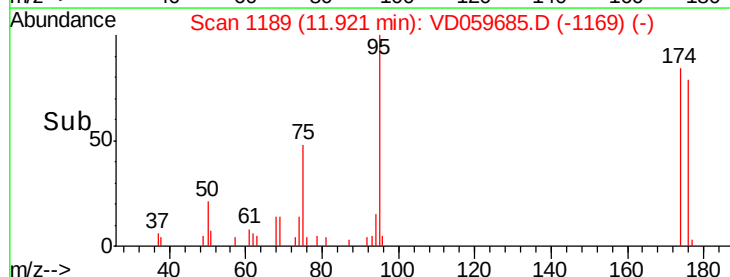
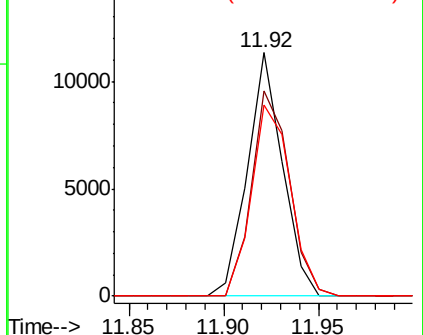
176 78.7 0.0 153.0

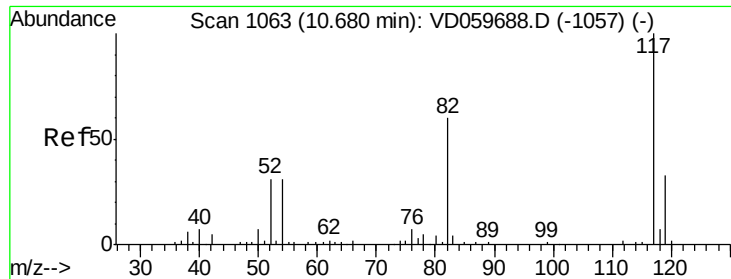


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

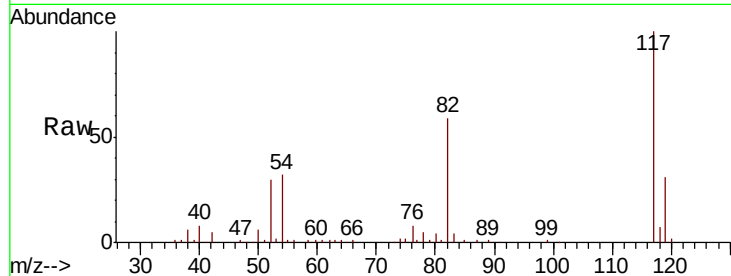




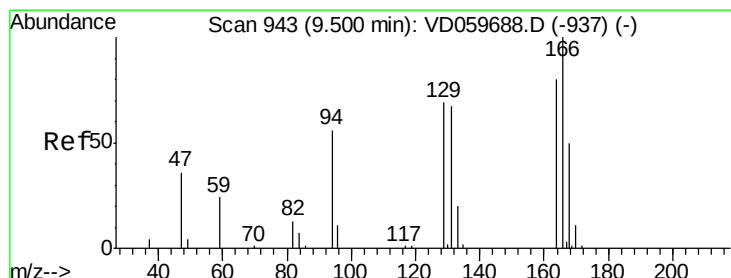
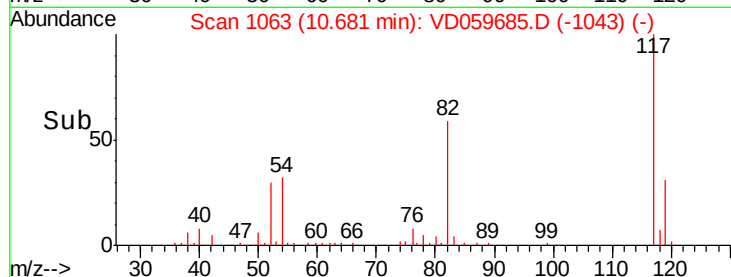
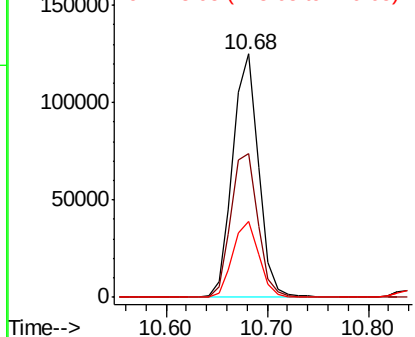
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 222056
Ion Ratio Lower Upper
117 100
82 59.0 47.7 71.5
119 31.4 26.6 40.0

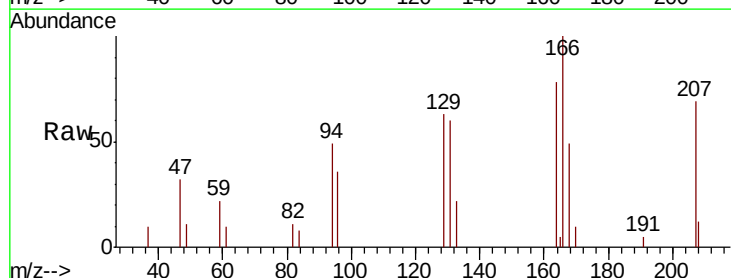


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

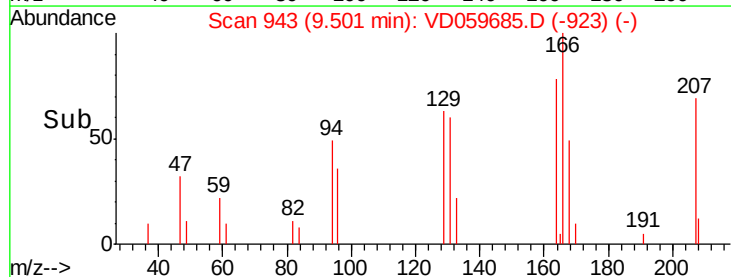
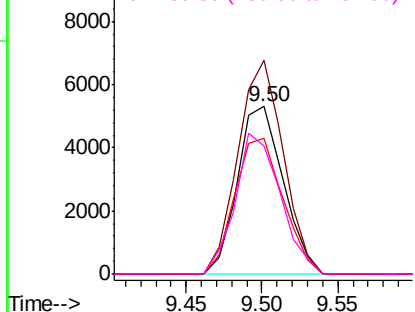


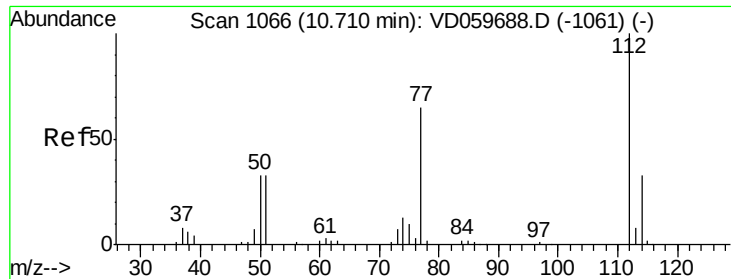
#64
Tetrachloroethene
Concen: 5.402 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion:164 Resp: 11167
Ion Ratio Lower Upper
164 100
166 127.7 100.5 150.7
129 80.8 69.3 103.9
131 76.9 67.3 100.9



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

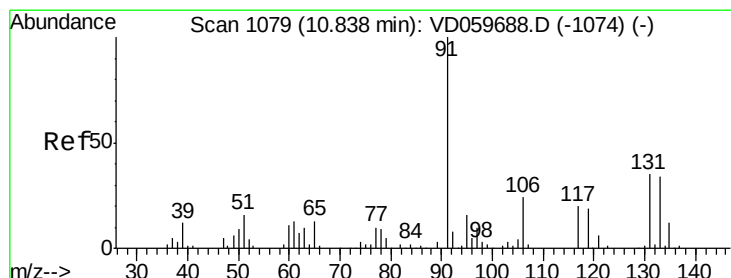
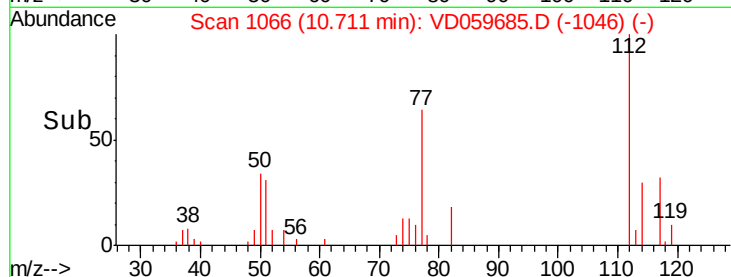
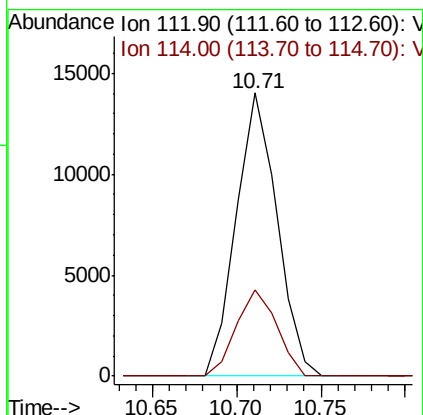
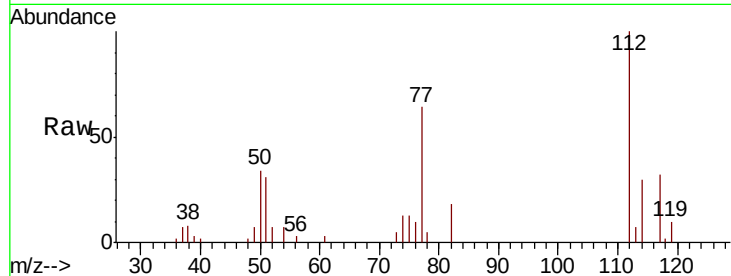




#65
Chlorobenzene
Concen: 5.229 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

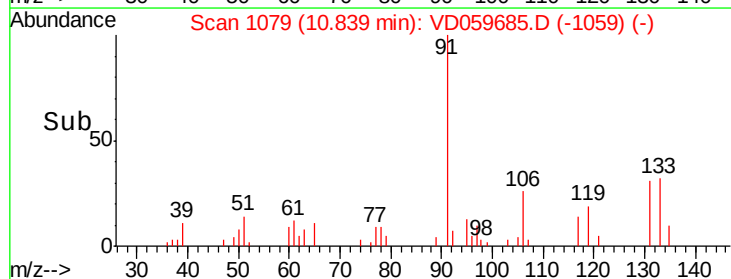
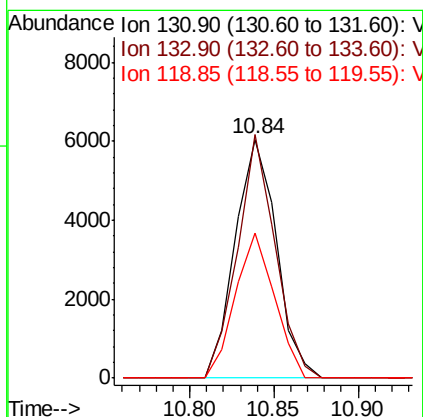
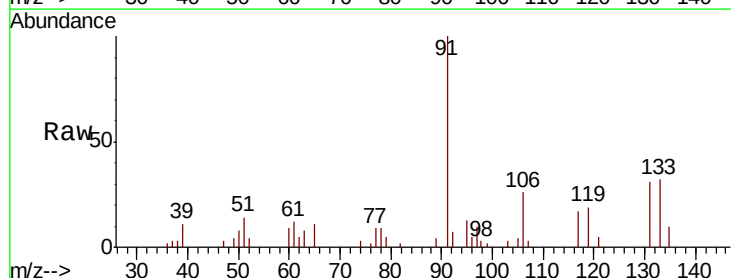
Instrument :
MSVOA_D
ClientSampleId :

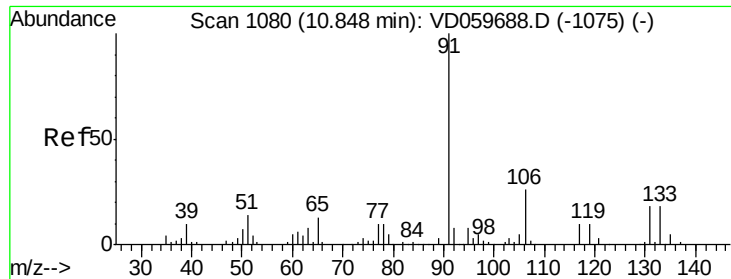
Tot Ion:112 Resp: 23570
Ion Ratio Lower Upper
112 100
114 30.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 5.074 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion:131 Resp: 10279
Ion Ratio Lower Upper
131 100
133 102.0 49.7 149.1
119 60.6 27.0 80.8

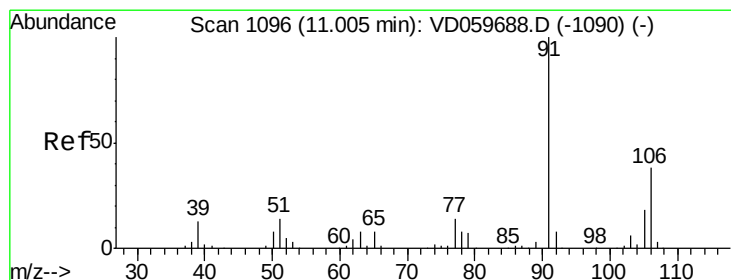
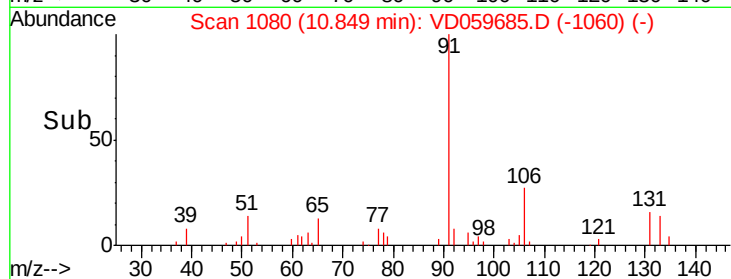
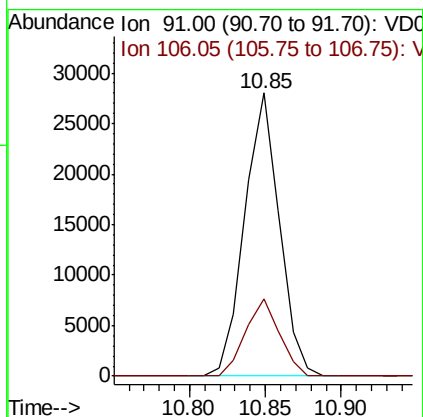
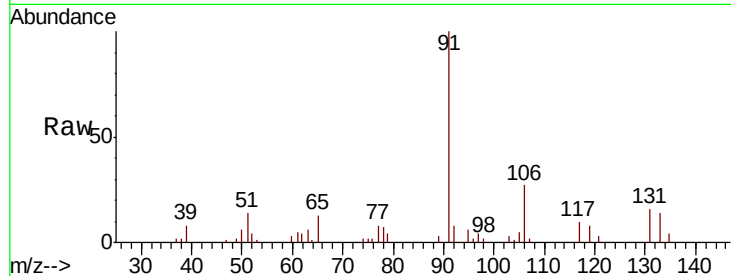




#67
Ethyl Benzene
Concen: 5.378 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

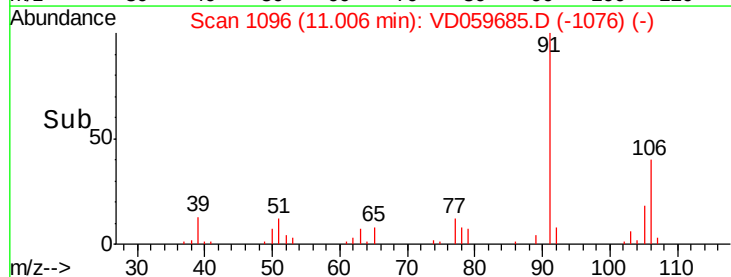
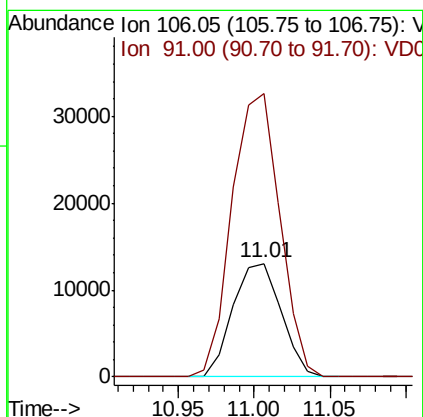
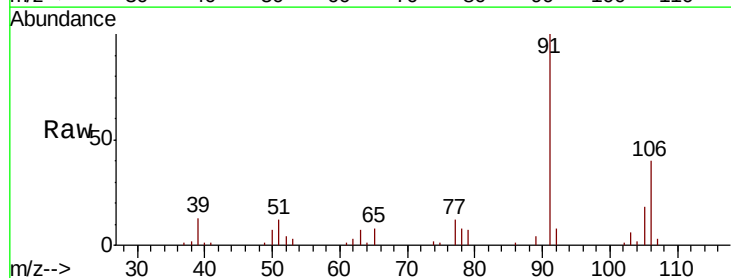
Instrument :
MSVOA_D
ClientSampled :

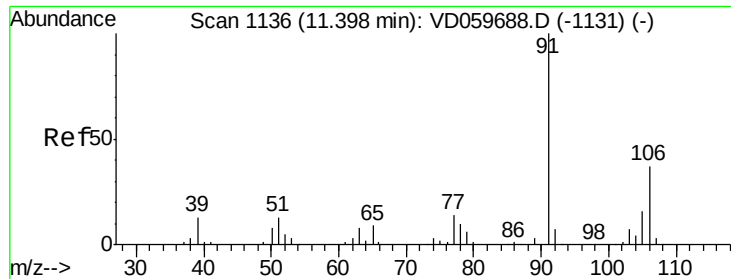
Tot Ion: 91 Resp: 44807
Ion Ratio Lower Upper
91 100
106 27.2 20.9 31.3



#68
m/p-Xylenes
Concen: 11.014 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 106 Resp: 29119
Ion Ratio Lower Upper
106 100
91 248.8 209.7 314.5

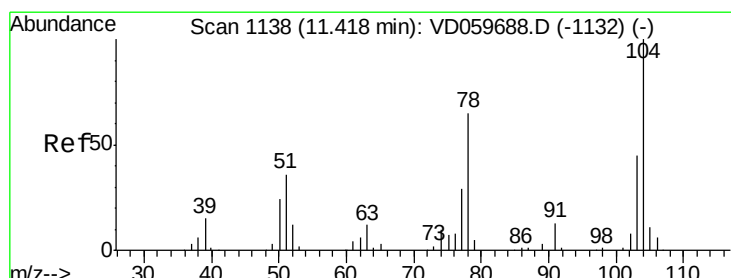
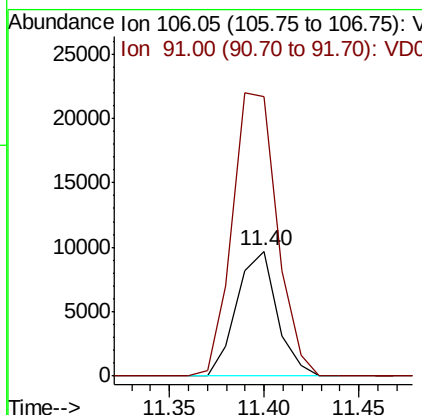
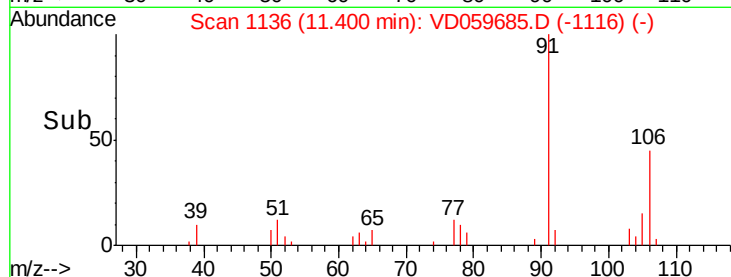
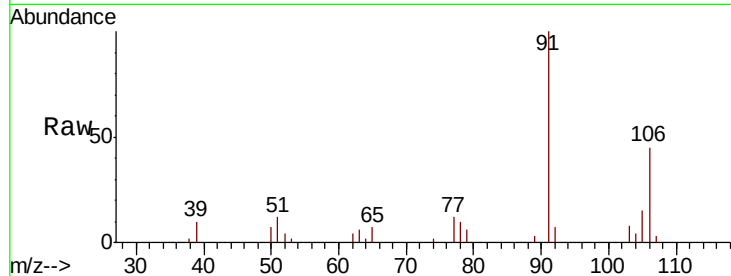




#69
o-Xylene
Concen: 5.489 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

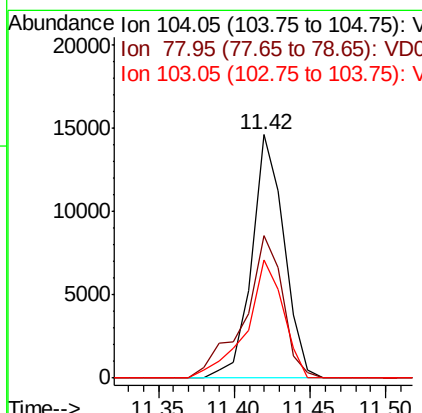
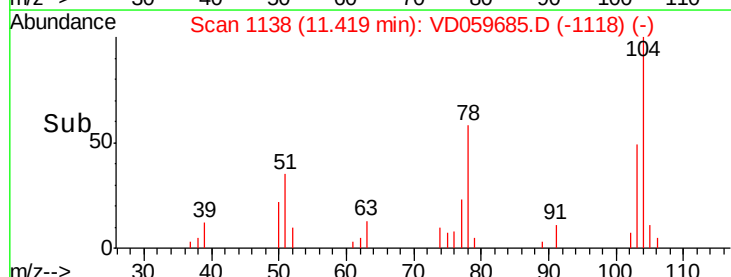
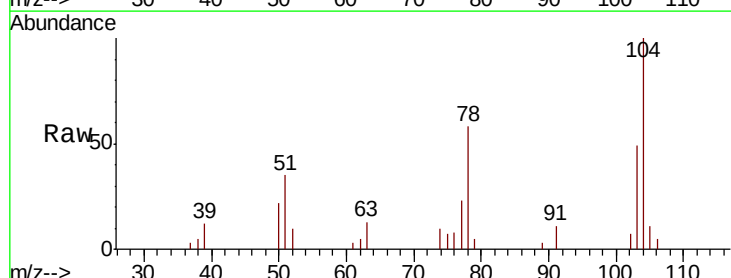
Instrument :
MSVOA_D
ClientSampled :

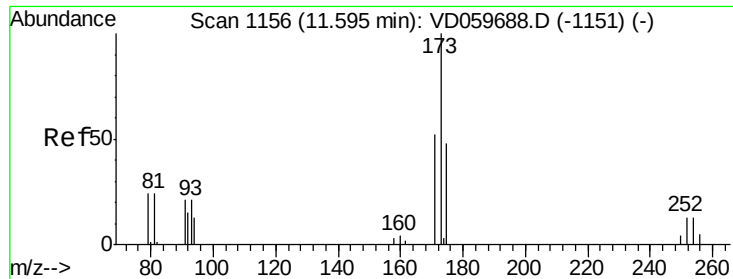
Tot Ion:106 Resp: 14230
Ion Ratio Lower Upper
106 100
91 224.0 135.2 405.6



#70
Styrene
Concen: 5.073 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion:104 Resp: 21758
Ion Ratio Lower Upper
104 100
78 58.3 51.9 77.9
103 48.8 36.2 54.4





#71

Bromoform

Concen: 4.038 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

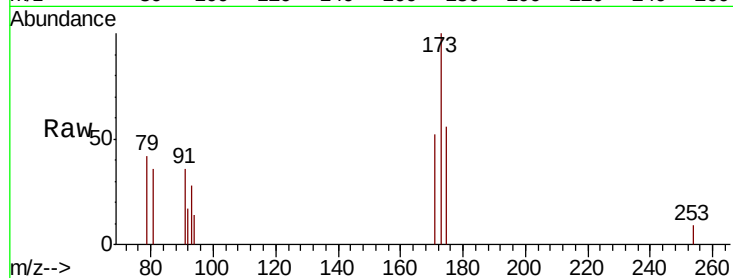
Tot Ion:173 Resp: 6186

Ion Ratio Lower Upper

173 100

175 55.9 24.1 72.4

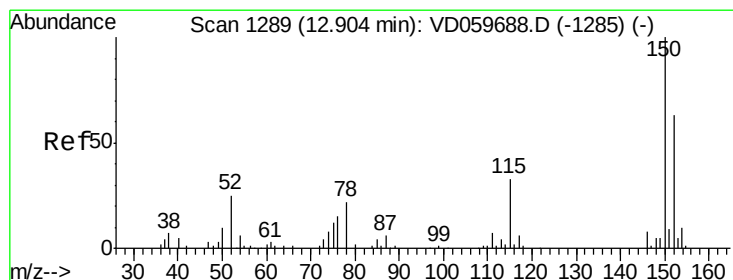
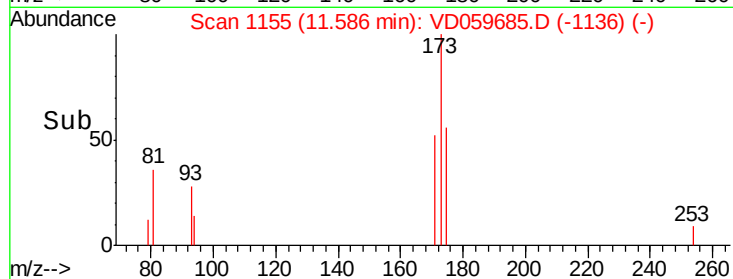
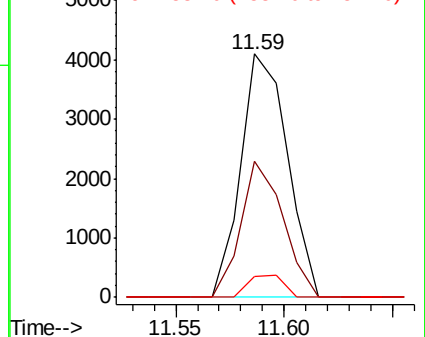
254 8.8 10.6 16.0#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

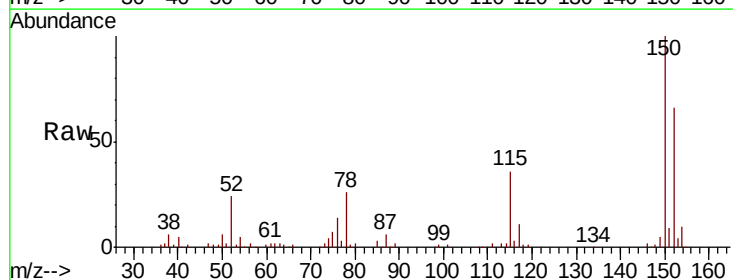
Tgt Ion:152 Resp: 117947

Ion Ratio Lower Upper

152 100

115 54.0 28.8 86.4

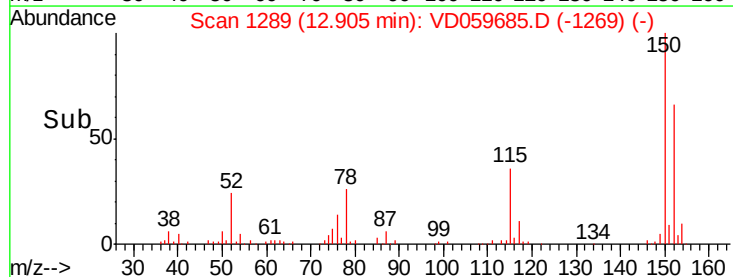
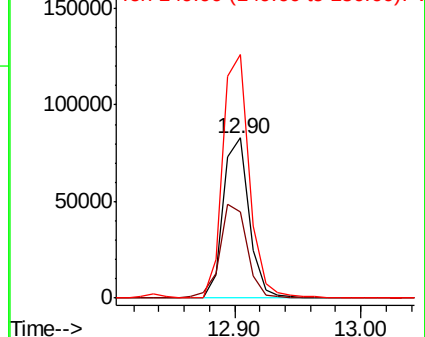
150 151.9 0.0 318.0

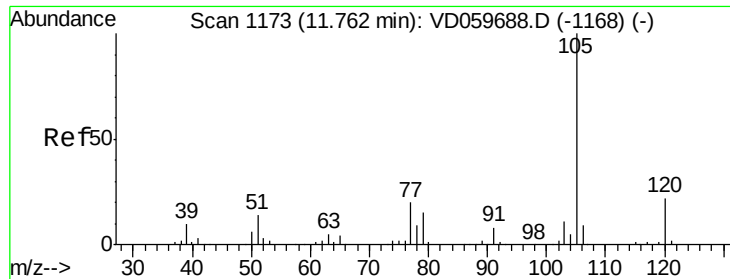


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.470 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

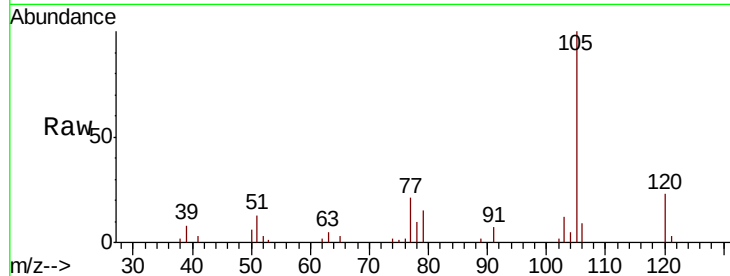
ClientSampleId :

Tot Ion:105 Resp: 43708

Ion Ratio Lower Upper

105 100

120 22.7 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

30000

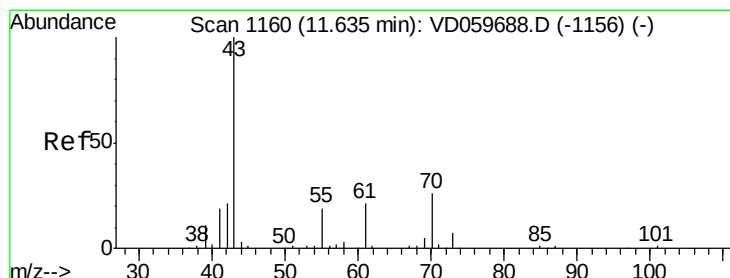
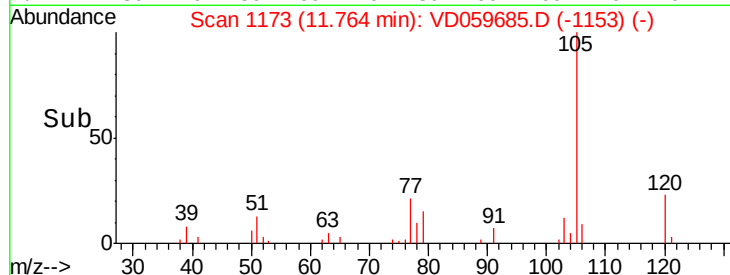
20000

10000

0

Time-->

11.70 11.75 11.80



#74

N-ethyl acetate

Concen: 4.533 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Tgt Ion: 43 Resp: 11326

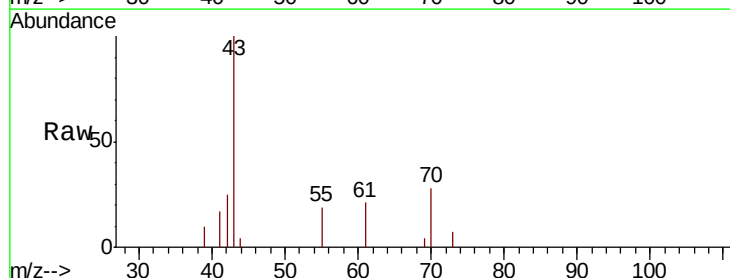
Ion Ratio Lower Upper

43 100

70 27.9 21.0 31.6

55 18.9 15.4 23.2

61 20.9 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.64

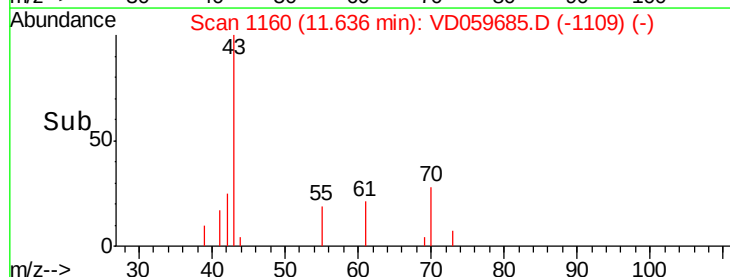
10000

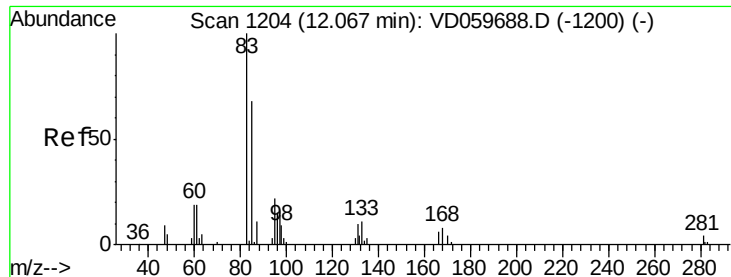
5000

0

Time-->

11.60 11.65





#75

1,1,2,2-Tetrachloroethane

Concen: 4.896 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampled :

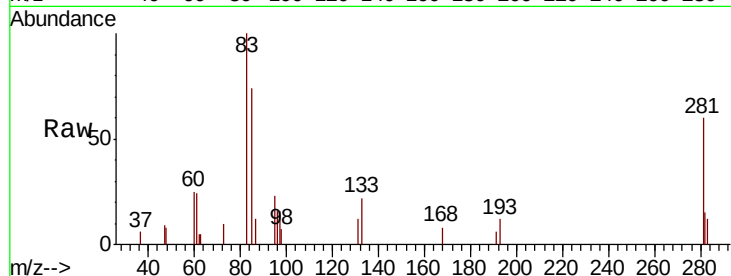
Tot Ion: 83 Resp: 7609

Ion Ratio Lower Upper

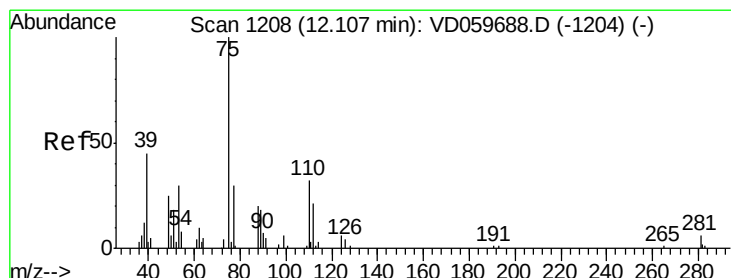
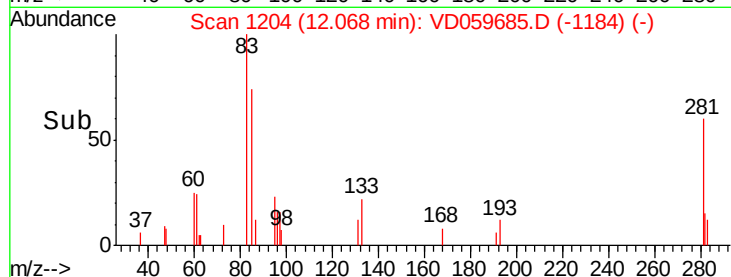
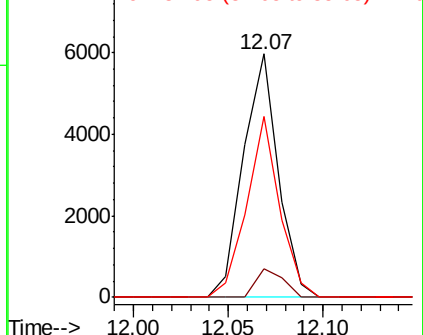
83 100

131 12.0 5.3 15.9

85 74.3 34.1 102.2



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: 5.078 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059685.D

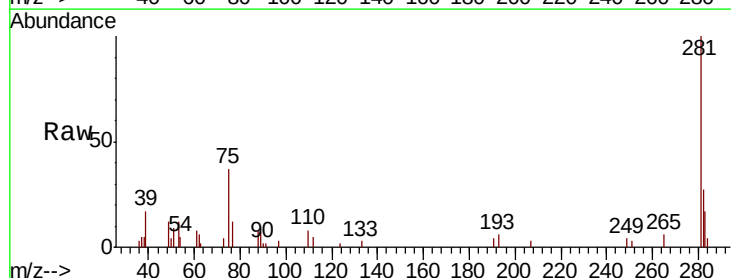
Acq: 6 Aug 2018 10:30

Tgt Ion: 75 Resp: 9299

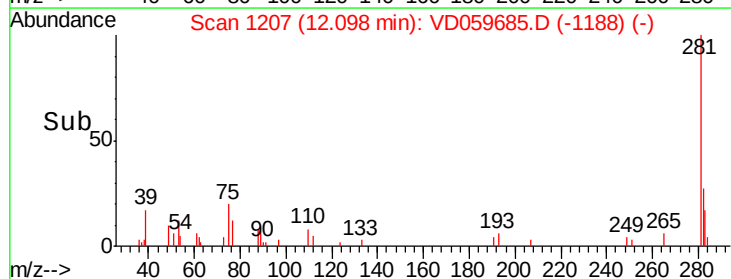
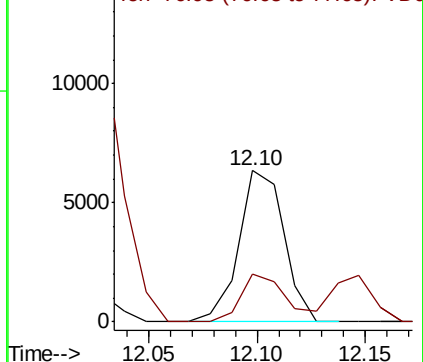
Ion Ratio Lower Upper

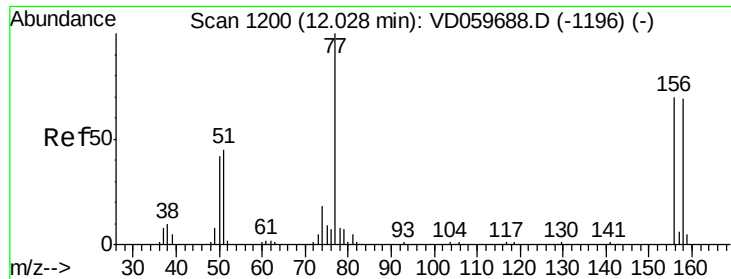
75 100

77 31.5 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.193 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

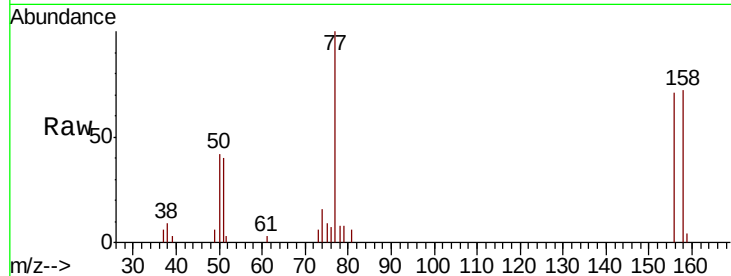
Tot Ion:156 Resp: 11904

Ion Ratio Lower Upper

156 100

77 140.7 71.2 213.6

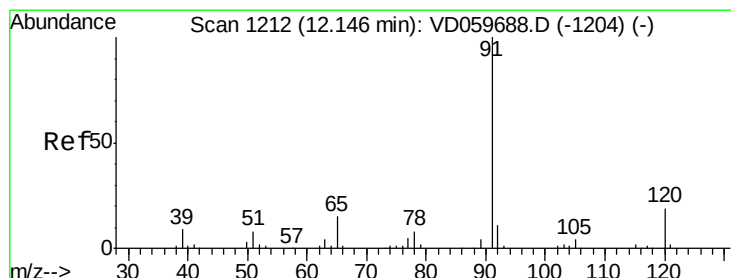
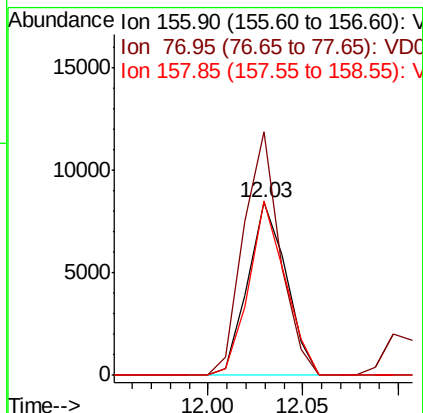
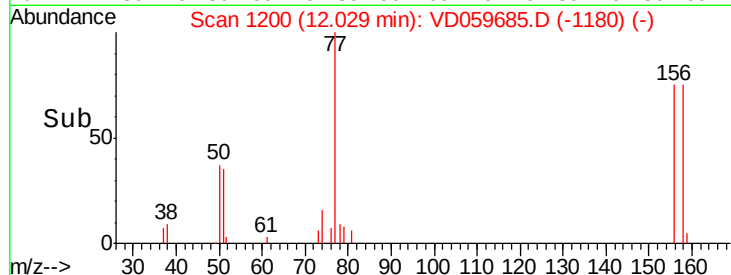
158 100.9 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.572 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059685.D

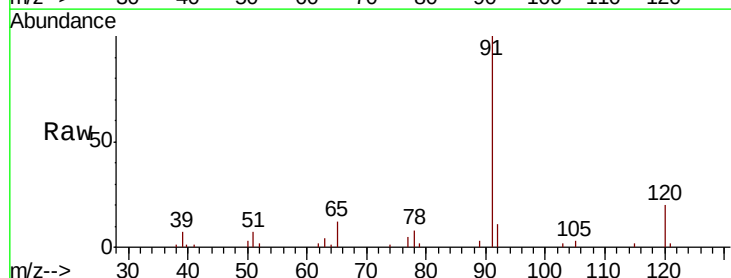
Acq: 6 Aug 2018 10:30

Tgt Ion: 91 Resp: 55068

Ion Ratio Lower Upper

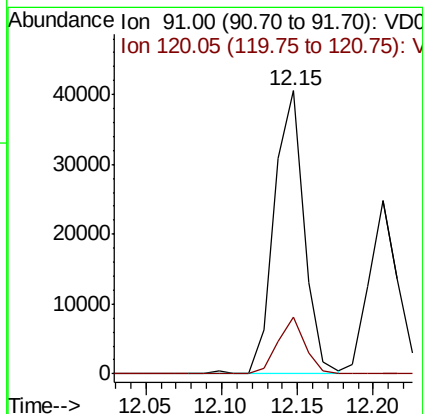
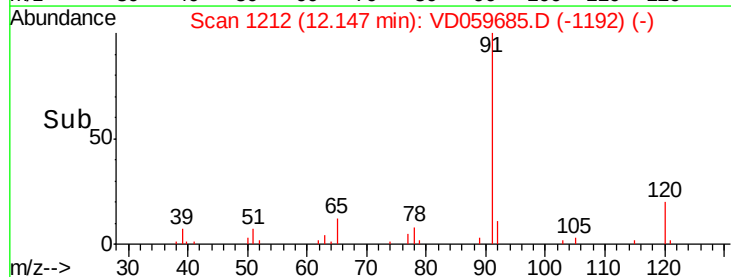
91 100

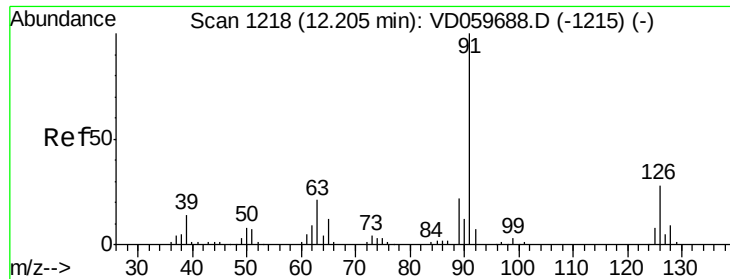
120 20.1 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

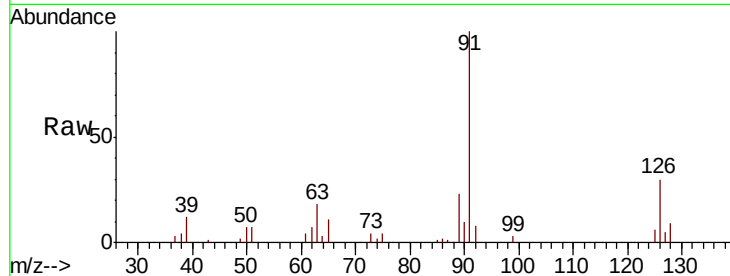




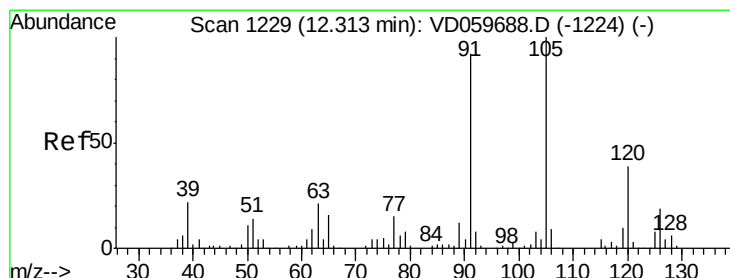
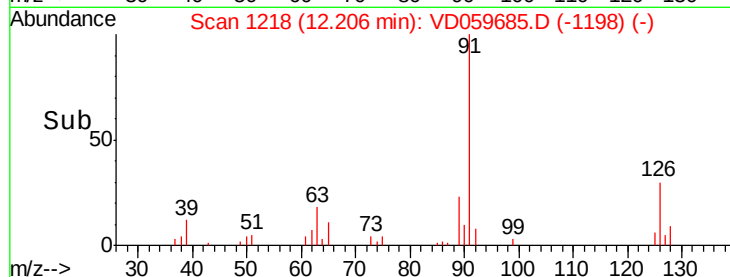
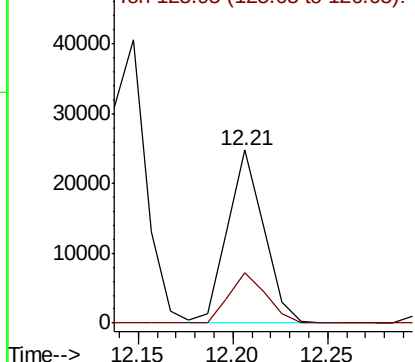
#79
 2-Chlorotoluene
 Concen: 5.514 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 91 Resp: 32825
 Ion Ratio Lower Upper
 91 100
 126 29.5 13.7 41.0

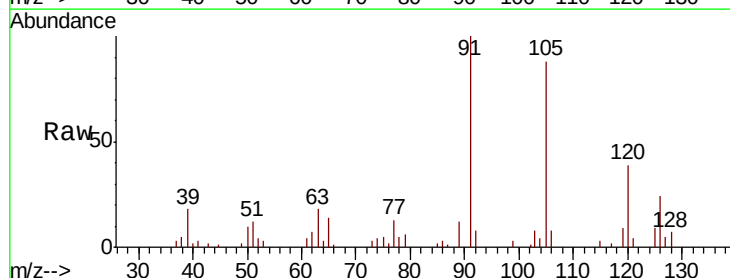


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

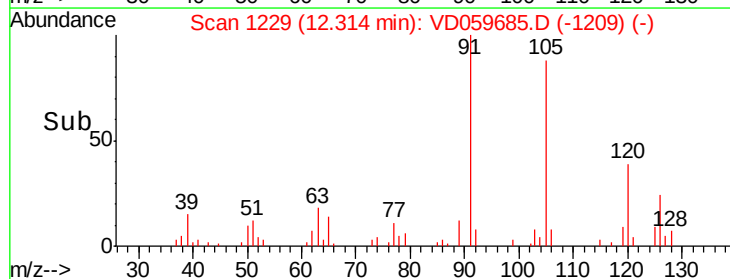
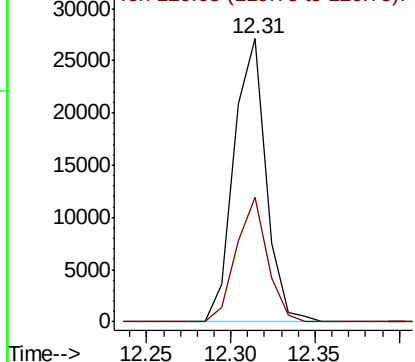


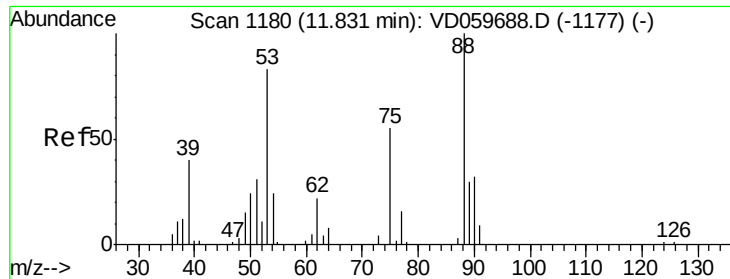
#80
 1,3,5-Trimethylbenzene
 Concen: 5.436 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion: 105 Resp: 35700
 Ion Ratio Lower Upper
 105 100
 120 43.9 19.7 59.1



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: 4.702 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

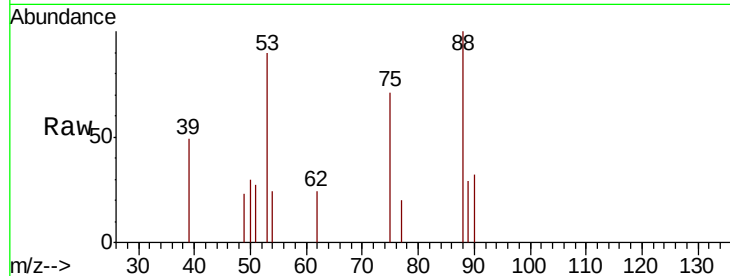
Tot Ion: 75 Resp: 2149

Ion Ratio Lower Upper

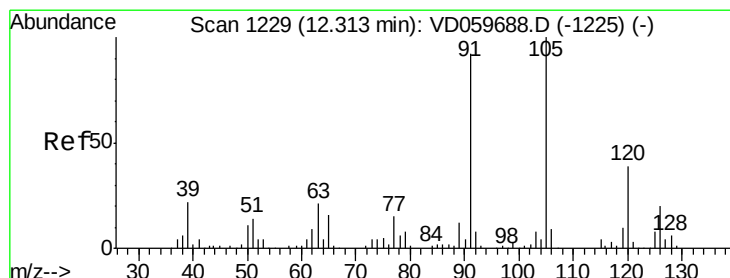
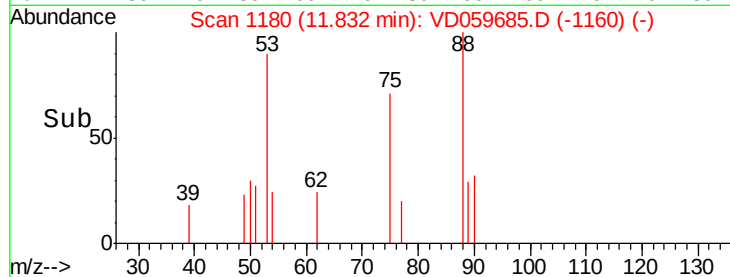
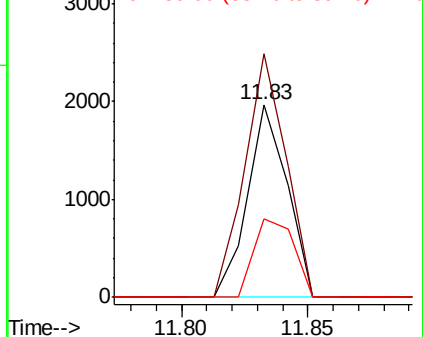
75 100

53 126.3 120.5 180.7

89 40.6 44.4 66.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 5.771 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059685.D

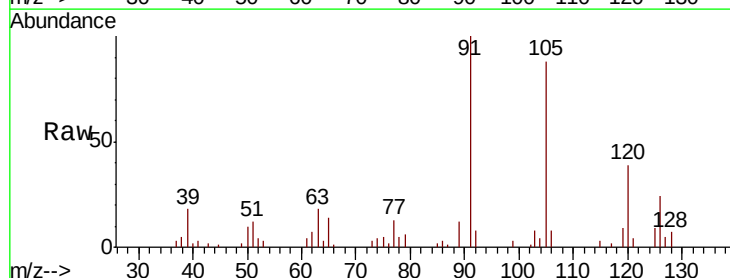
Acq: 6 Aug 2018 10:30

Tgt Ion: 91 Resp: 40165

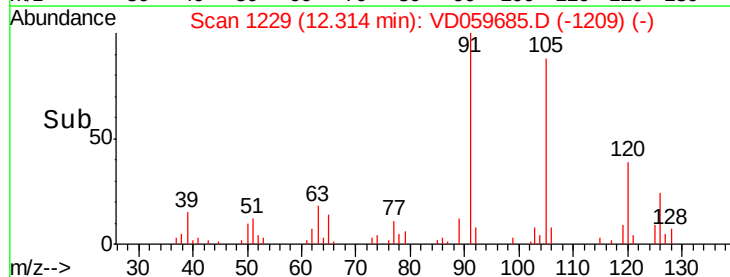
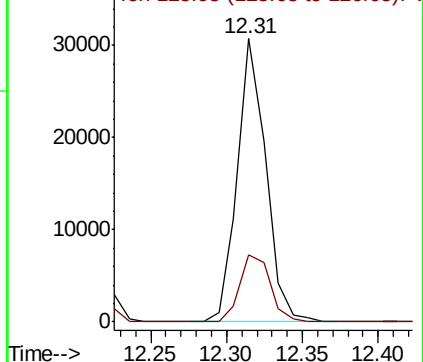
Ion Ratio Lower Upper

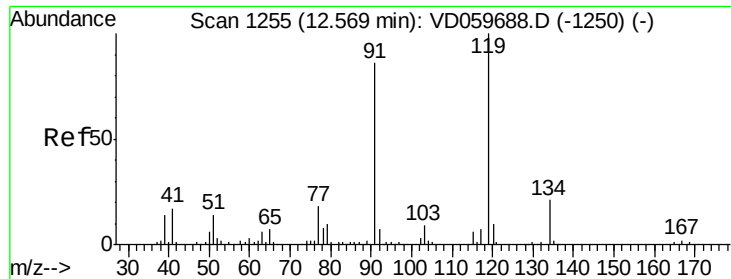
91 100

126 23.9 10.7 31.9



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





#83

tert-Butylbenzene

Concen: 5.252 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

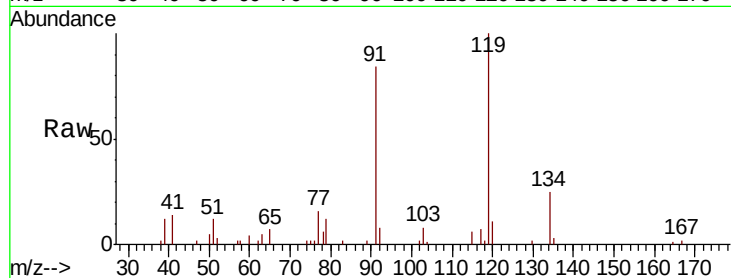
Tot Ion:119 Resp: 38974

Ion Ratio Lower Upper

119 100

91 84.3 43.3 129.9

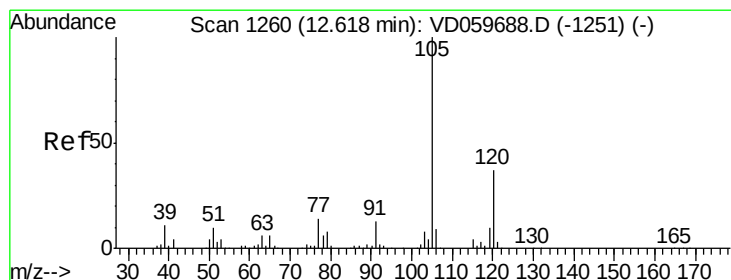
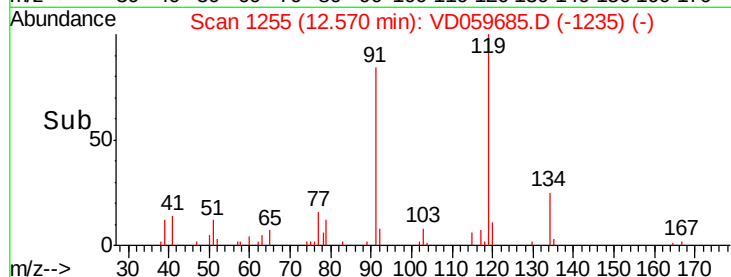
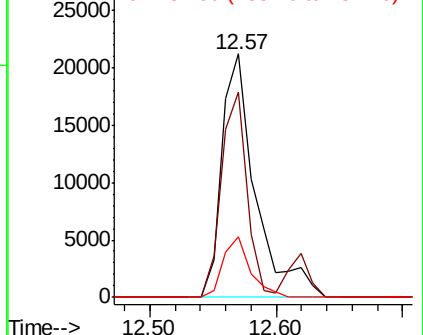
134 25.1 10.5 31.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.187 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD059685.D

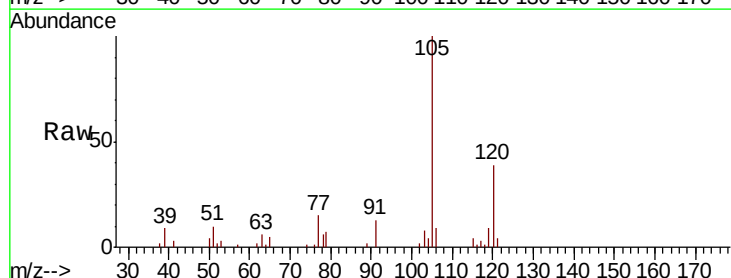
Acq: 6 Aug 2018 10:30

Tgt Ion:105 Resp: 36104

Ion Ratio Lower Upper

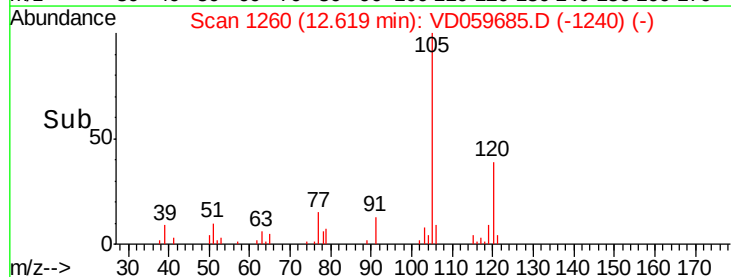
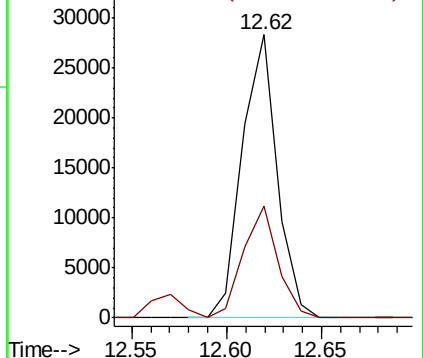
105 100

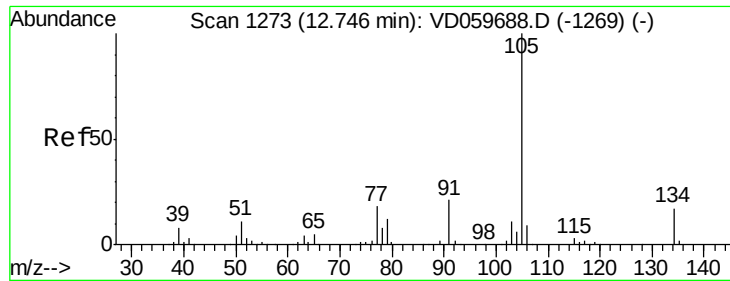
120 39.3 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 5.329 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

Instrument :

MSVOA_D

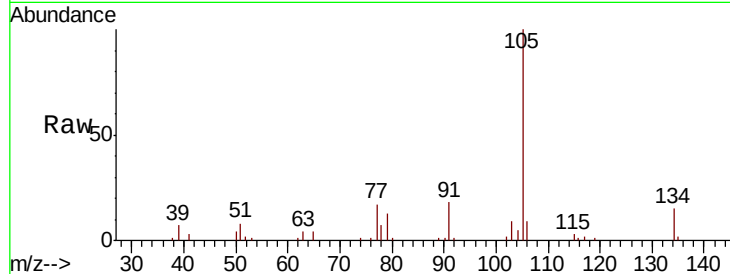
ClientSampleId :

Tot Ion:105 Resp: 43640

Ion Ratio Lower Upper

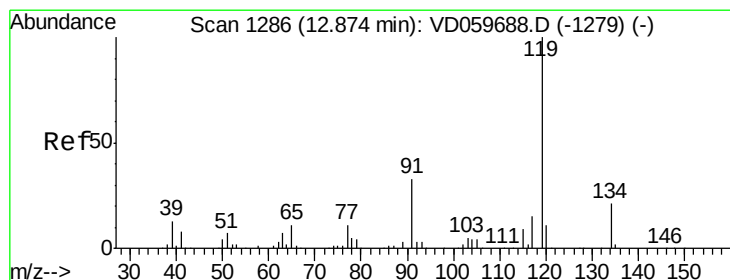
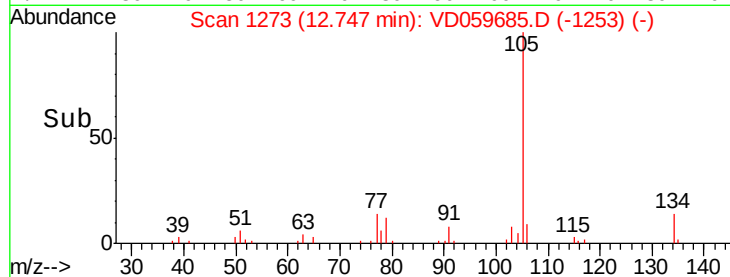
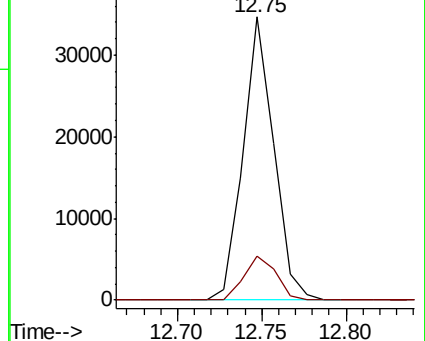
105 100

134 15.4 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 5.243 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059685.D

Acq: 6 Aug 2018 10:30

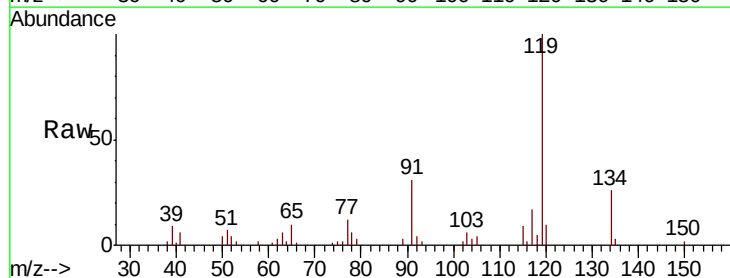
Tgt Ion:119 Resp: 37191

Ion Ratio Lower Upper

119 100

134 26.0 10.7 32.1

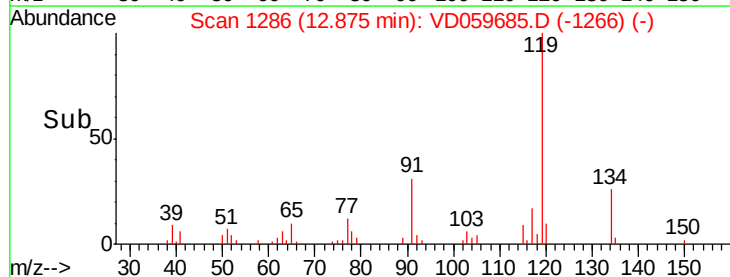
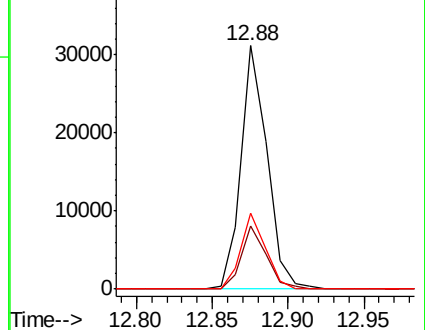
91 31.2 16.6 49.7

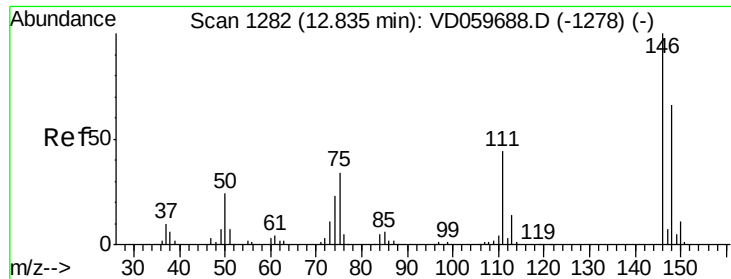


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

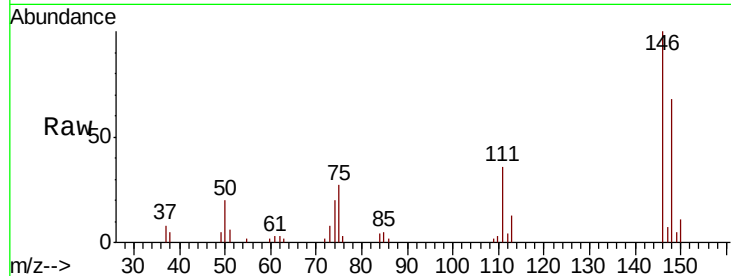




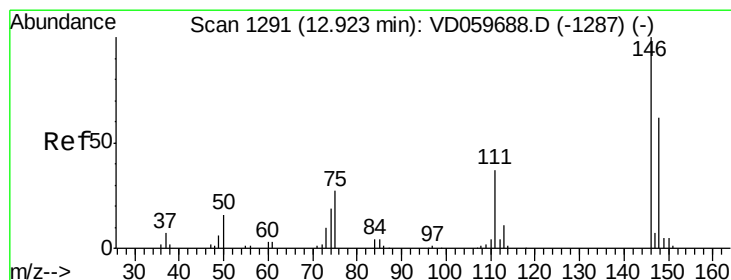
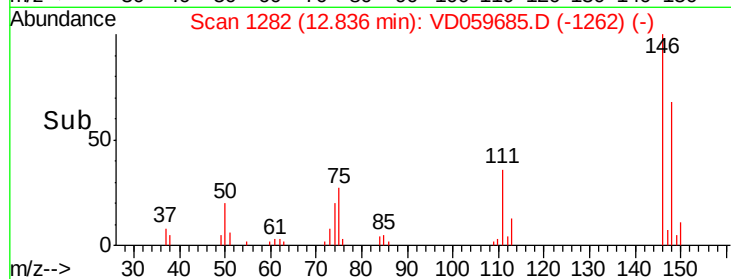
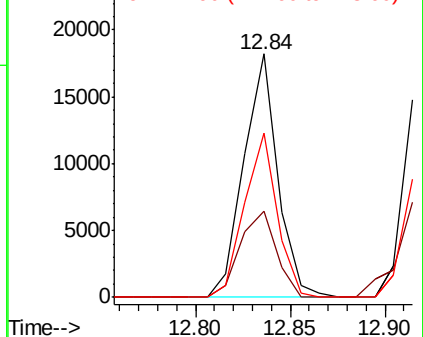
#87
 1,3-Dichlorobenzene
 Concen: 5.635 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 22623
 Ion Ratio Lower Upper
 146 100
 111 35.6 21.8 65.4
 148 67.5 33.1 99.2

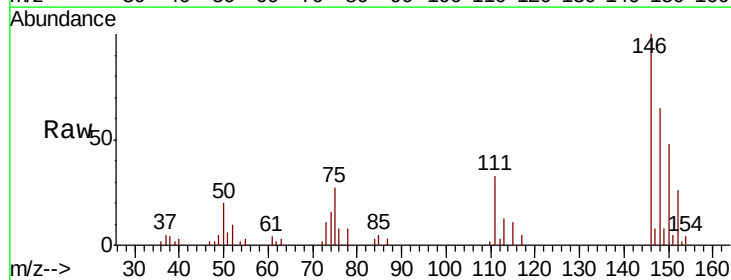


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

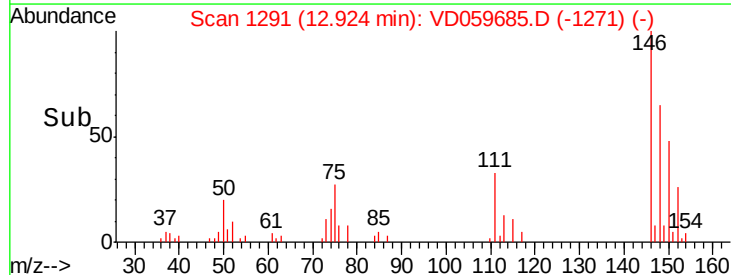
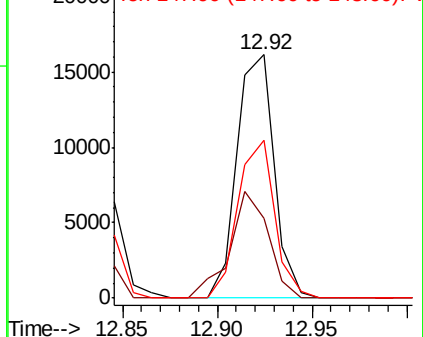


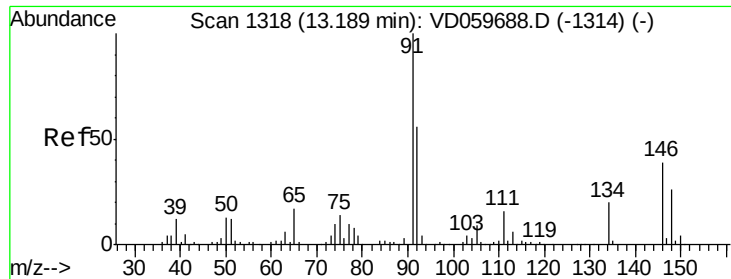
#88
 1,4-Dichlorobenzene
 Concen: 5.430 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion:146 Resp: 21891
 Ion Ratio Lower Upper
 146 100
 111 32.9 18.6 55.8
 148 64.9 31.2 93.6



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

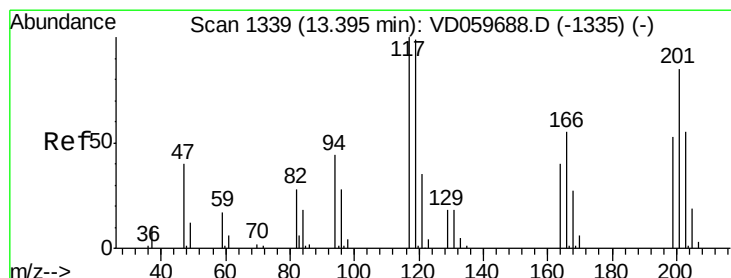
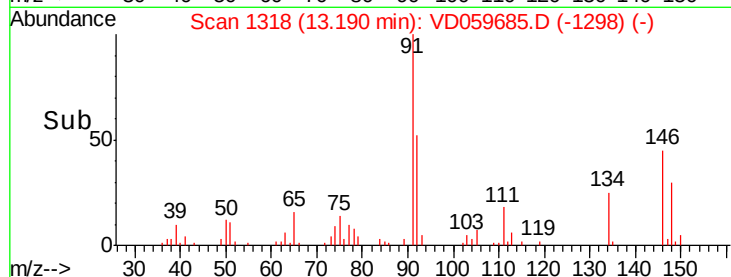
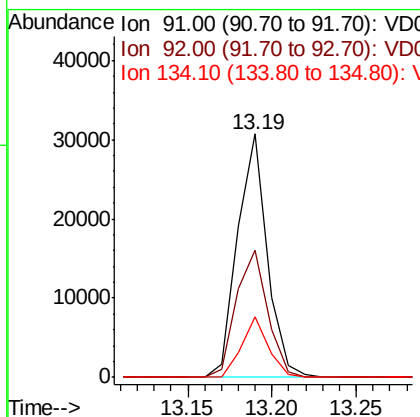
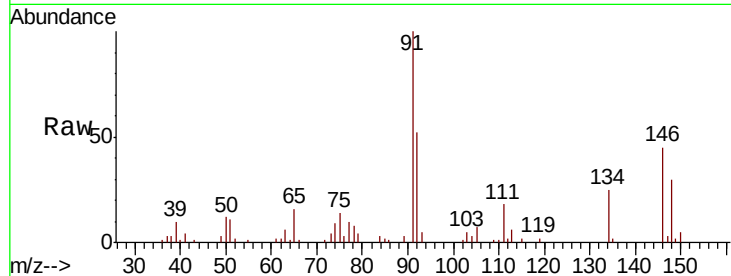




#89
n-Butylbenzene
Concen: 5.364 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

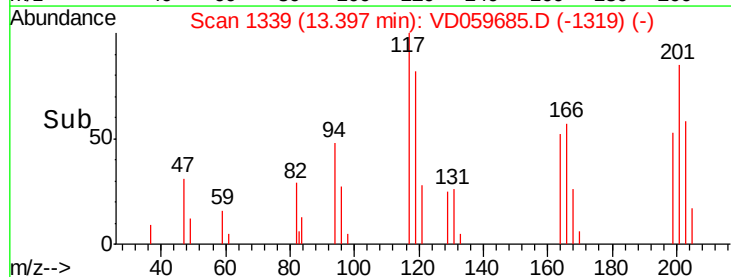
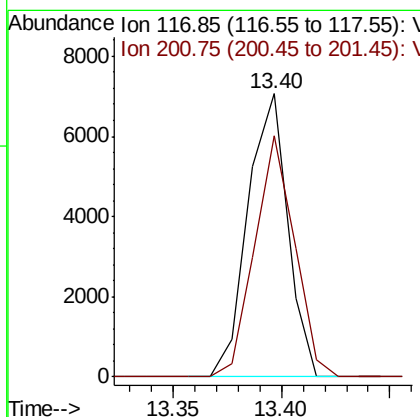
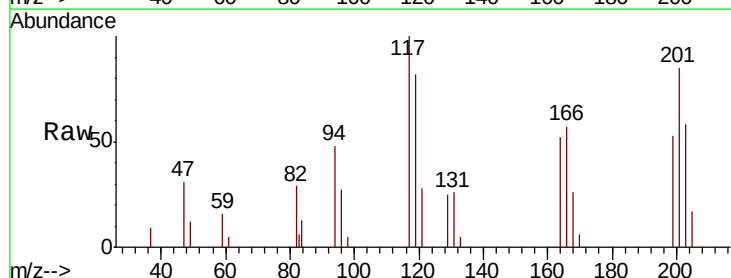
Instrument :
MSVOA_D
ClientSampled :

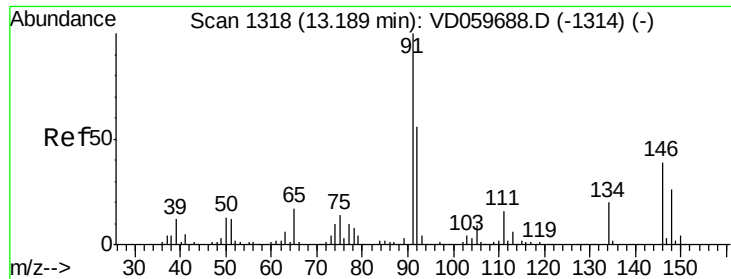
Tot Ion: 91 Resp: 37530
Ion Ratio Lower Upper
91 100
92 52.1 28.2 84.6
134 25.1 9.8 29.5



#90
Hexachloroethane
Concen: 4.835 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion: 117 Resp: 8955
Ion Ratio Lower Upper
117 100
201 85.2 42.4 127.1

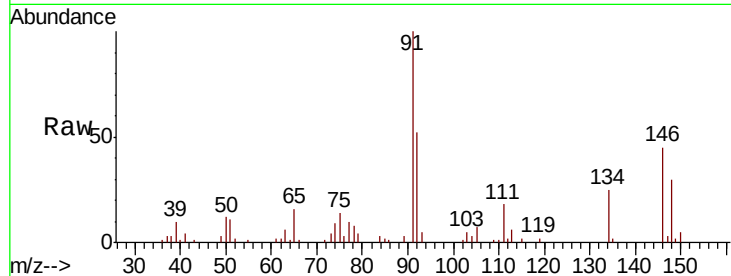




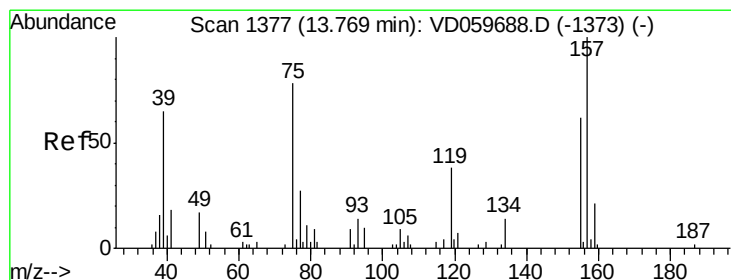
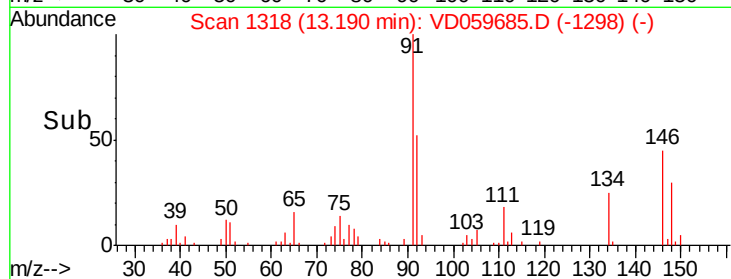
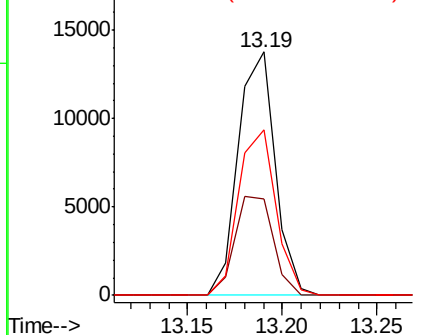
#91
 1,2-Dichlorobenzene
 Concen: 5.626 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 18629
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.8 62.2
 148 67.9 33.4 100.2

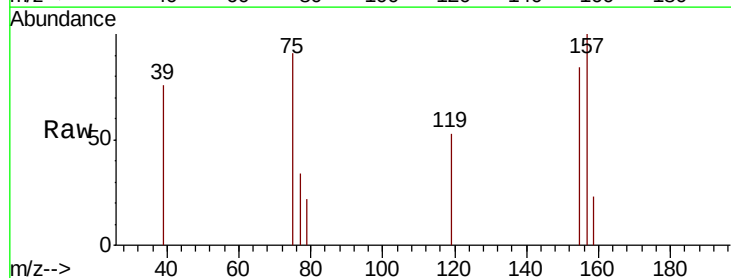


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

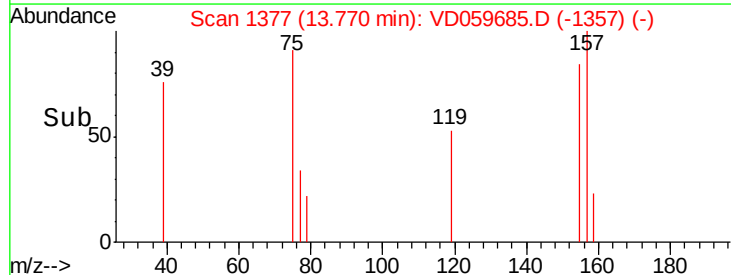
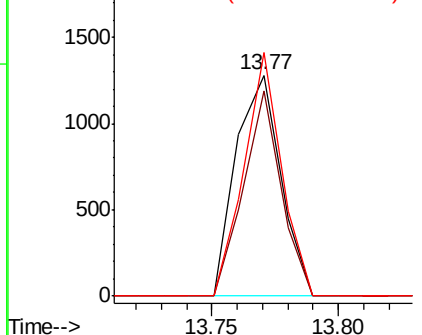


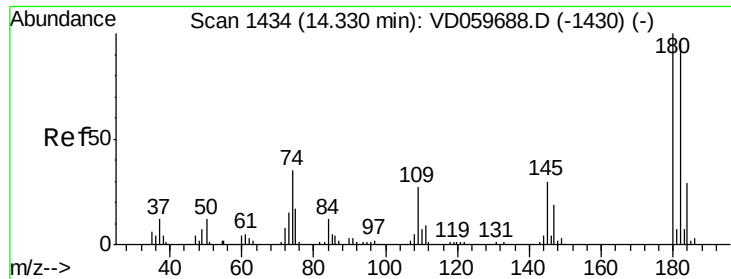
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.618 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion: 75 Resp: 1573
 Ion Ratio Lower Upper
 75 100
 155 93.0 40.0 119.9
 157 110.1 64.3 192.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

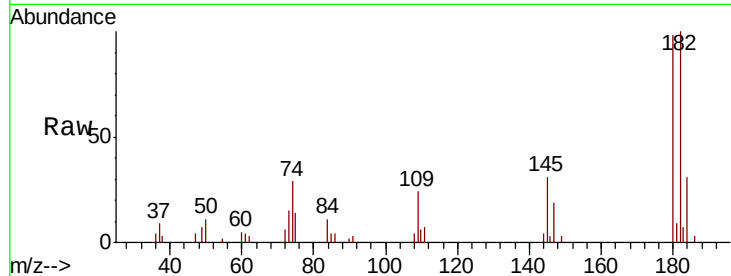




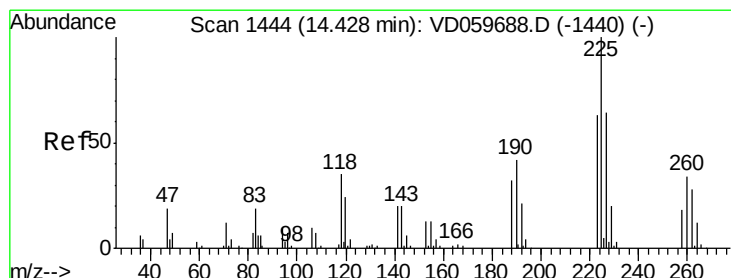
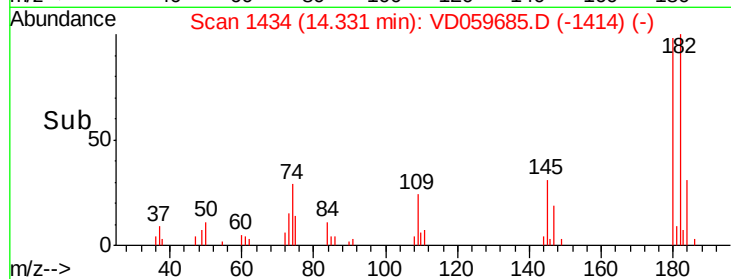
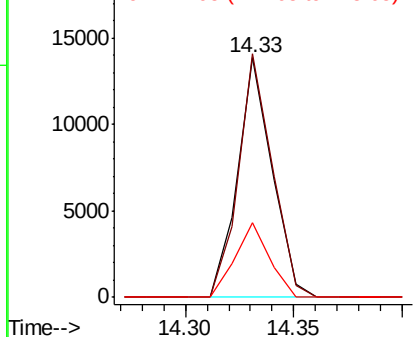
#93
 1,2,4-Trichlorobenzene
 Concen: 5.149 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 15315
 Ion Ratio Lower Upper
 180 100
 182 101.8 48.0 144.0
 145 31.4 14.8 44.4

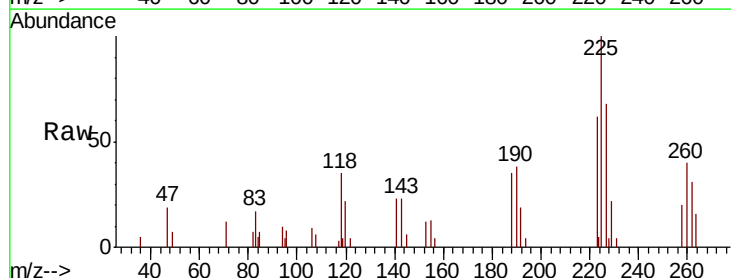


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

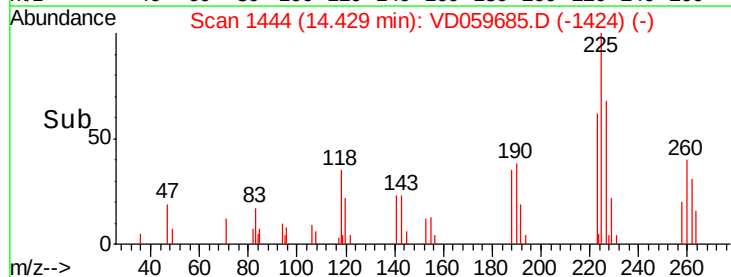
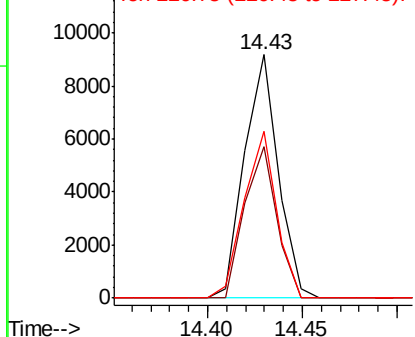


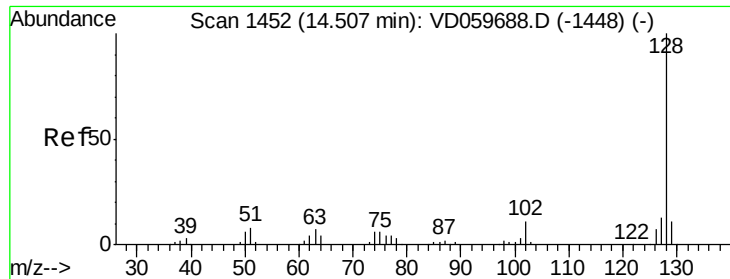
#94
 Hexachlorobutadiene
 Concen: 4.871 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059685.D
 Acq: 6 Aug 2018 10:30

Tgt Ion:225 Resp: 11307
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.3
 227 68.3 32.1 96.3



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

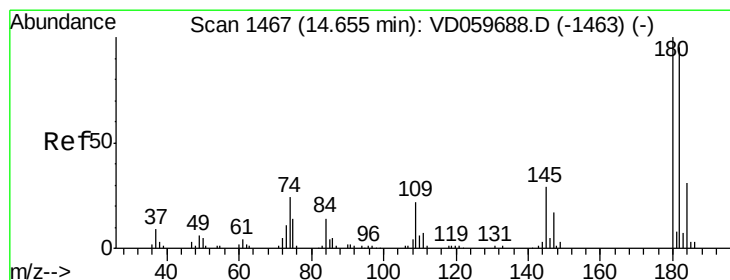
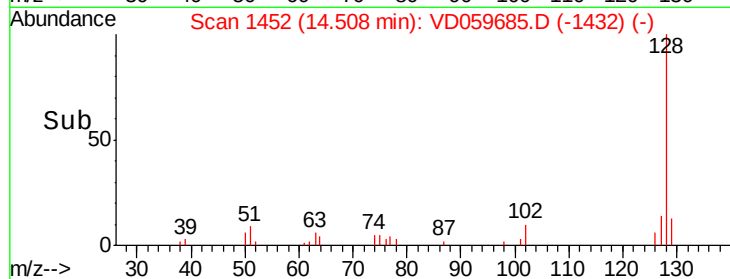
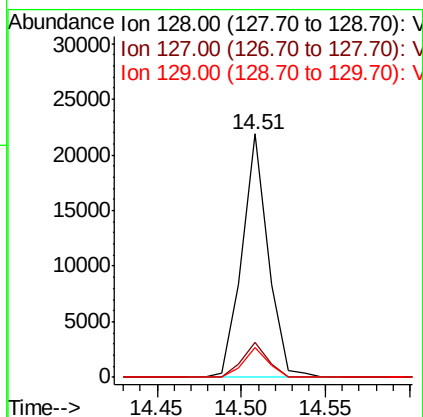
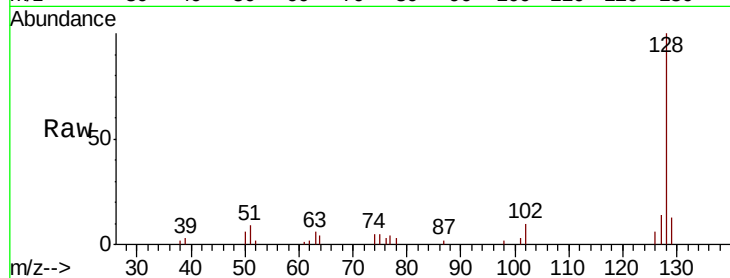




#95
Naphthalene
Concen: 5.302 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 23599
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 12.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.351 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059685.D
Acq: 6 Aug 2018 10:30

Tgt Ion:180 Resp: 14223
Ion Ratio Lower Upper
180 100
182 99.3 47.5 142.5
145 27.8 14.5 43.5

