

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058016.D
 Acq On : 8 Jun 2018 14:24
 Operator : VA/AP
 Sample : J3320-02MS
 Misc : 6.75u/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:55:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	840272	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	1110986	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	794050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	286028	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	402114	47.87	ug/l	0.00
Spiked Amount						
			Recovery	=	95.74%	
35) Dibromofluoromethane	5.54	113	417159	48.53	ug/l	-0.02
Spiked Amount						
			Recovery	=	97.06%	
50) Toluene-d8	8.70	98	979330	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.93	95	314301	35.26	ug/l	0.00
Spiked Amount						
			Recovery	=	70.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	554340	49.154	ug/l	96
3) Chloromethane	1.48	50	293212	52.791	ug/l	96
4) Vinyl Chloride	1.56	62	301410	56.062	ug/l	100
5) Bromomethane	1.80	94	122907	58.329	ug/l	97
6) Chloroethane	1.89	64	127121	59.930	ug/l	92
7) Trichlorofluoromethane	2.09	101	412640	56.148	ug/l	99
8) Diethyl Ether	2.35	74	83204	60.944	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	235448	53.711	ug/l	98
10) Methyl Iodide	2.69	142	331938	58.685	ug/l	94
11) Tert butyl alcohol	3.26	59	62712	278.669	ug/l	98
12) 1,1-Dichloroethene	2.55	96	182618	54.189	ug/l	88
13) Acrolein	2.48	56	60100	186.478	ug/l	96
14) Allyl chloride	2.92	41	405204	52.123	ug/l	95
15) Acrylonitrile	3.36	53	312024	237.005	ug/l	97
16) Acetone	2.62	43	433519	358.190	ug/l	97
17) Carbon Disulfide	2.75	76	683087	55.952	ug/l	100
18) Methyl Acetate	2.93	43	188018	80.305	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	790639	53.318	ug/l	99
20) Methylene Chloride	3.07	84	191618	57.867	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	415772	55.391	ug/l	99
22) Diisopropyl ether	4.06	45	1619260	52.576	ug/l	97
23) Vinyl Acetate	4.01	43	3878491	243.732	ug/l	99
24) 1,1-Dichloroethane	3.97	63	904733	53.451	ug/l	99
25) 2-Butanone	4.83	43	756357	274.982	ug/l	99
26) 2,2-Dichloropropane	4.79	77	712043	51.066	ug/l	91
27) cis-1,2-Dichloroethene	4.80	96	590145	66.290	ug/l	99
28) Bromochloromethane	5.14	49	381956	52.137	ug/l	97
29) Tetrahydrofuran	5.17	42	354653	245.968	ug/l	98
30) Chloroform	5.31	83	895733	52.582	ug/l	97
31) Cyclohexane	5.59	56	674623	46.184	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	759400	53.241	ug/l	96
36) 1,1-Dichloropropene	5.74	75	643140	52.544	ug/l	98
37) Ethyl Acetate	4.92	43	441673	66.130	ug/l	97
38) Carbon Tetrachloride	5.72	117	625553	51.857	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	527889	43.506	ug/l	97
40) Benzene	6.00	78	1541364	53.906	ug/l	97
41) Methacrylonitrile	5.12	41	168177	55.071	ug/l	98
42) 1,2-Dichloroethane	6.12	62	604781	52.312	ug/l	99
43) Isopropyl Acetate	7.61	43	462946	52.919	ug/l #	99
44) Trichloroethene	6.98	130	448552	53.705	ug/l	99
45) 1,2-Dichloropropane	7.34	63	415897	52.333	ug/l	98
46) Dibromomethane	7.46	93	260095	50.947	ug/l	94
47) Bromodichloromethane	7.73	83	625857	52.358	ug/l	97
48) Methyl methacrylate	7.50	41	289941	53.848	ug/l	96
49) 1,4-Dioxane	7.48	88	48270	1082.145	ug/l	87
51) 4-Methyl-2-Pentanone	8.59	43	1525650	271.895	ug/l	98
52) Toluene	8.80	92	777610	47.386	ug/l	96
53) t-1,3-Dichloropropene	9.18	75	537806	52.222	ug/l	97
54) cis-1,3-Dichloropropene	8.35	75	636485	52.460	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	260128	48.979	ug/l	99
56) Ethyl methacrylate	9.31	69	332998	51.114	ug/l	97
57) 1,3-Dichloropropane	9.65	76	479061	51.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	813948	247.290	ug/l	99
59) 2-Hexanone	9.77	43	1058417	257.392	ug/l	98
60) Dibromochloromethane	9.95	129	372439	49.729	ug/l	99
61) 1,2-Dibromoethane	10.09	107	296748	48.586	ug/l	94
64) Tetrachloroethene	9.51	164	378115	53.265	ug/l	98
65) Chlorobenzene	10.72	112	830405	51.658	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	337760	54.689	ug/l	97
67) Ethyl Benzene	10.85	91	1530752	52.709	ug/l	98
68) m/p-Xylenes	11.01	106	963604	101.780	ug/l	89
69) o-Xylene	11.40	106	479440	51.018	ug/l	100
70) Styrene	11.43	104	703613	45.228	ug/l	97
71) Bromoform	11.59	173	234527	50.479	ug/l	99
73) Isopropylbenzene	11.77	105	1368669	72.244	ug/l	99
74) N-amyl acetate	11.64	43	531724	72.735	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	291240	70.509	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	316385	73.637	ug/l	98
77) Bromobenzene	12.04	156	348107	62.075	ug/l	85
78) n-propylbenzene	12.14	91	1542334	62.563	ug/l	97
79) 2-Chlorotoluene	12.21	91	874186	62.158	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	909815	61.580	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	80070	75.240	ug/l	96
82) 4-Chlorotoluene	12.32	91	913842	67.956	ug/l	91
83) tert-Butylbenzene	12.57	119	1065395	63.862	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	1026728	64.632	ug/l	98
85) sec-Butylbenzene	12.74	105	1156870	57.459	ug/l	99
86) p-Isopropyltoluene	12.88	119	863452	53.210	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	474320	50.002	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	452243	48.931	ug/l	98
89) n-Butylbenzene	13.19	91	755510	51.846	ug/l	97
90) Hexachloroethane	13.39	117	233375	56.346	ug/l	81
91) 1,2-Dichlorobenzene	13.19	146	367722	47.968	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	41202	64.633	ug/l	64

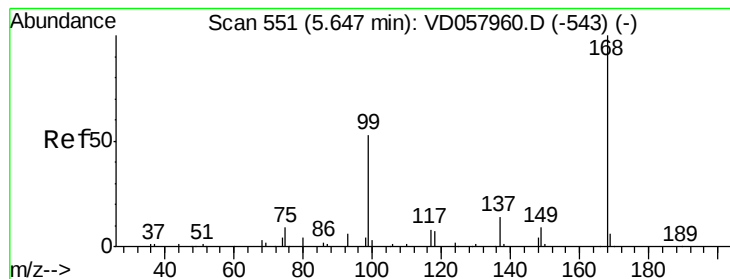
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	179911	25.120	ug/l	96
94) Hexachlorobutadiene	14.43	225	139866	24.828	ug/l	95
95) Naphthalene	14.51	128	273442	29.612	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	129620	21.236	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

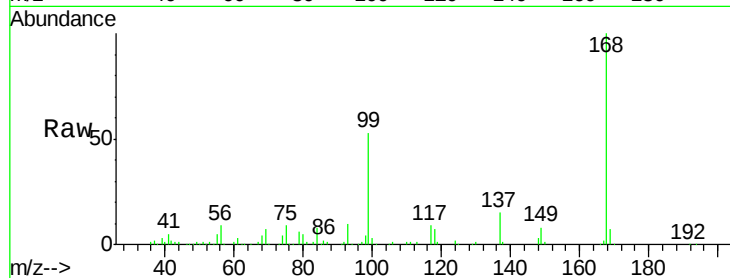
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 840272

Ion Ratio Lower Upper

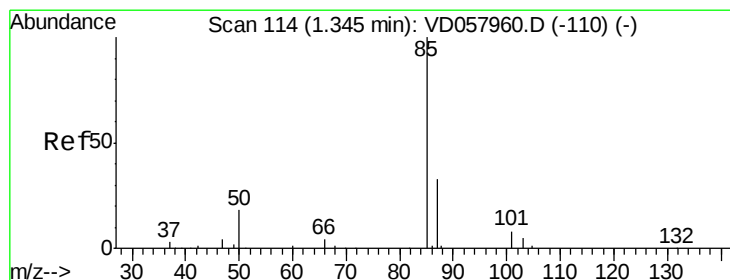
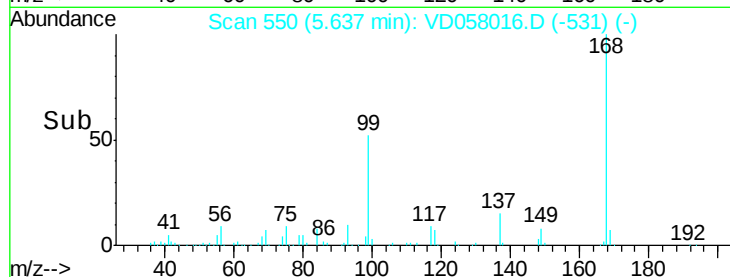
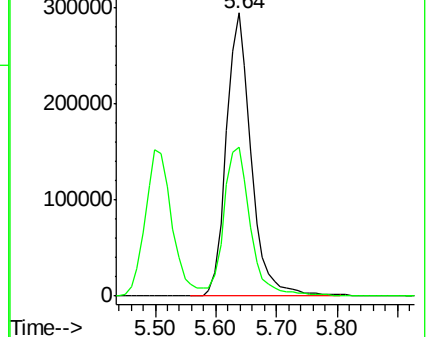
168 100

99 52.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.154 ug/l

RT: 1.35 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD058016.D

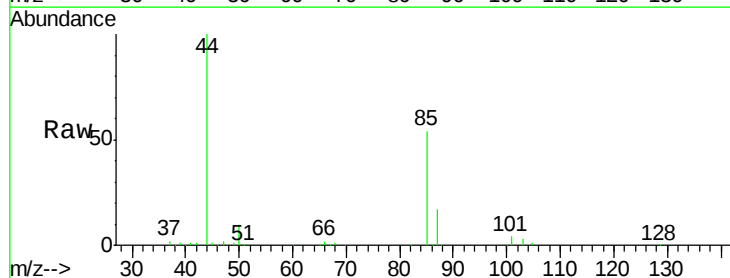
Acq: 8 Jun 2018 14:24

Tgt Ion: 85 Resp: 554340

Ion Ratio Lower Upper

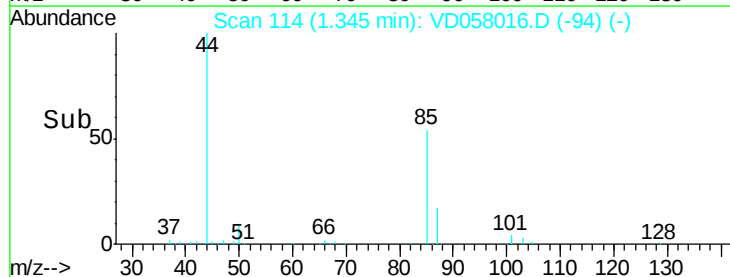
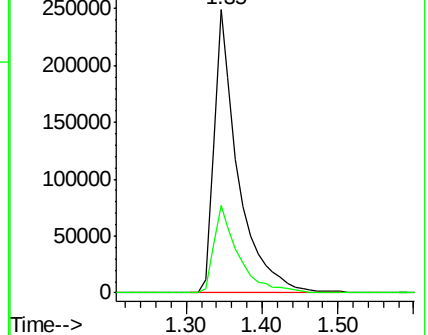
85 100

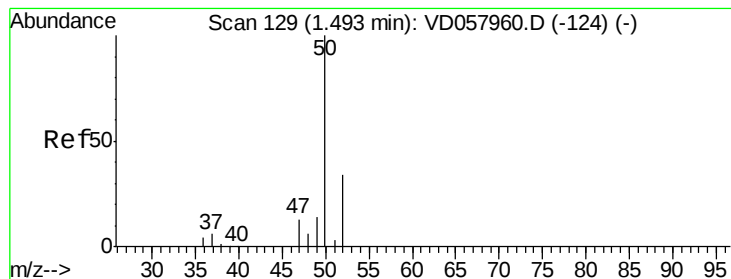
87 30.8 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.791 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

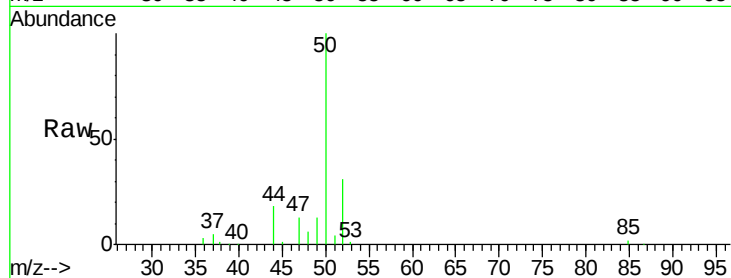
ClientSampled :

Tot Ion: 50 Resp: 293212

Ion Ratio Lower Upper

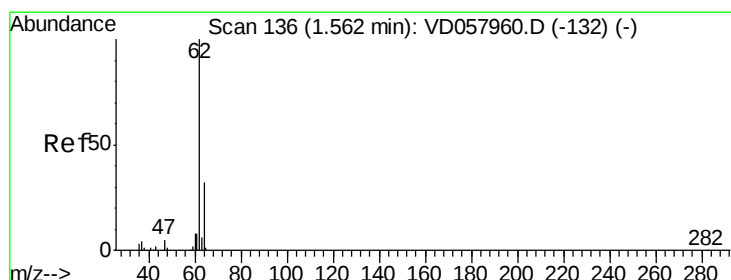
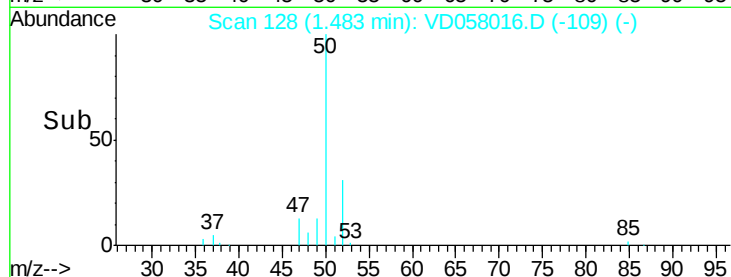
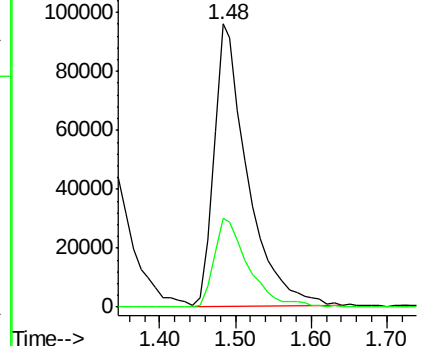
50 100

52 31.5 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 56.062 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD058016.D

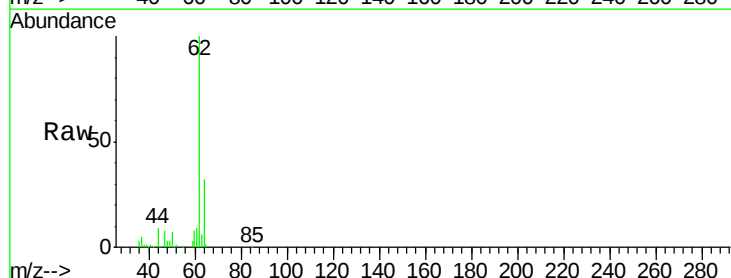
Acq: 8 Jun 2018 14:24

Tgt Ion: 62 Resp: 301410

Ion Ratio Lower Upper

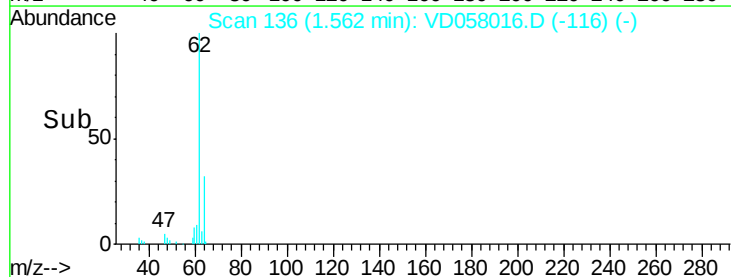
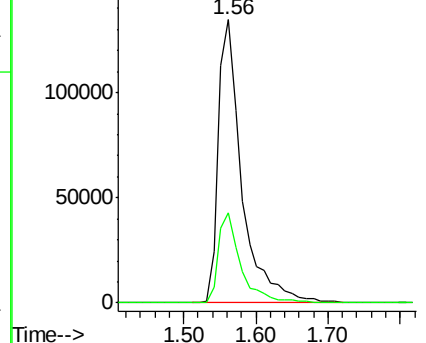
62 100

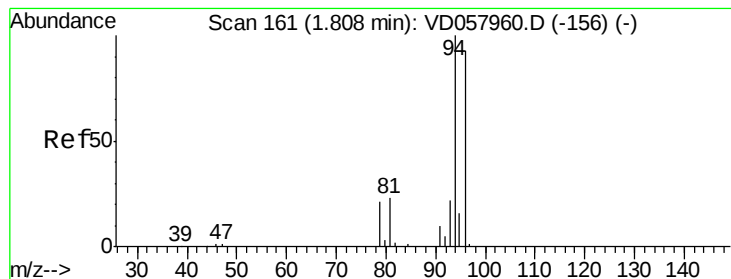
64 31.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.329 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

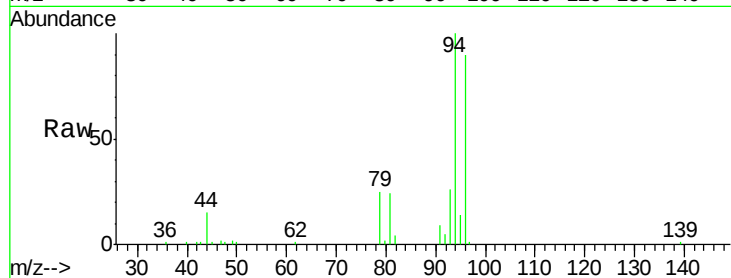
ClientSampled :

Tot Ion: 94 Resp: 122907

Ion Ratio Lower Upper

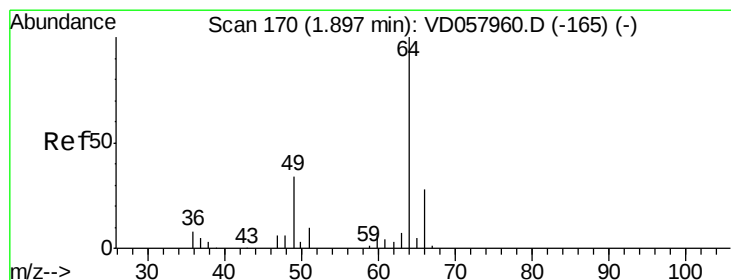
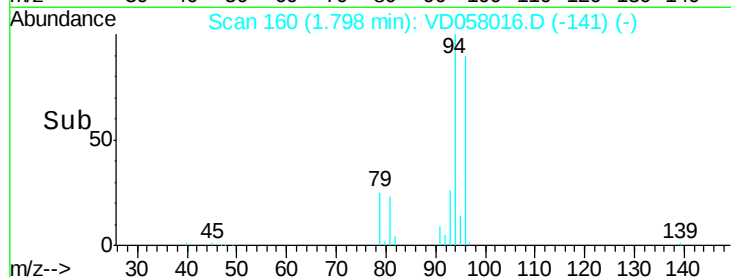
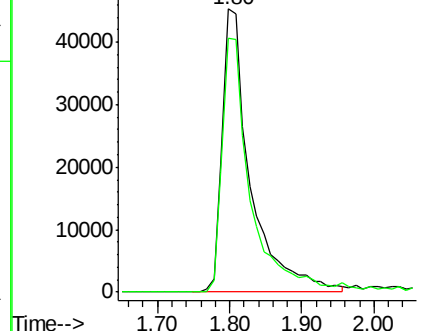
94 100

96 89.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 59.930 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058016.D

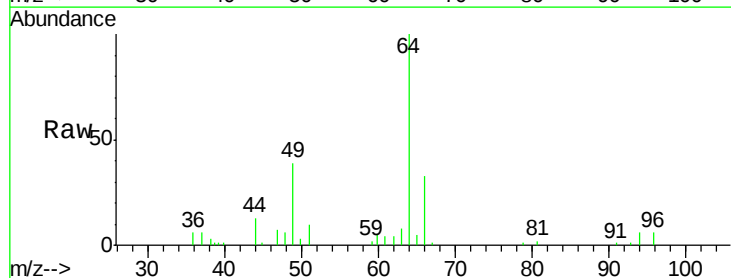
Acq: 8 Jun 2018 14:24

Tgt Ion: 64 Resp: 127121

Ion Ratio Lower Upper

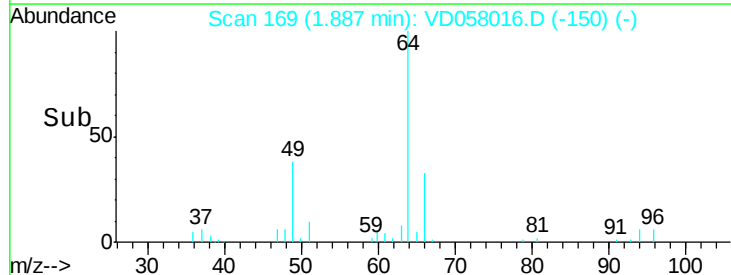
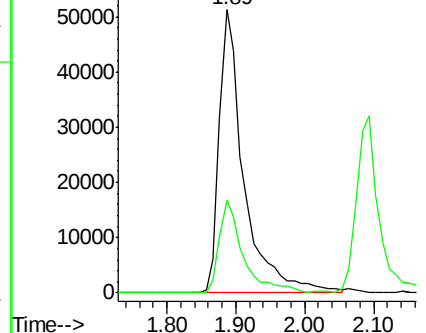
64 100

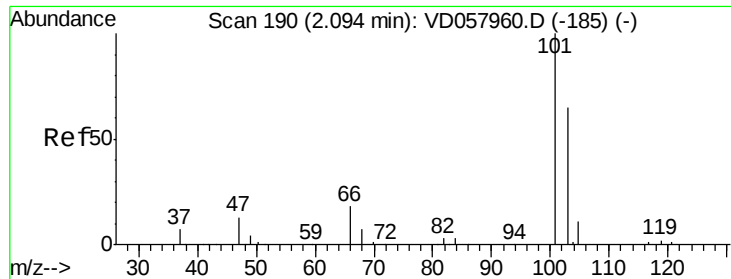
66 32.9 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



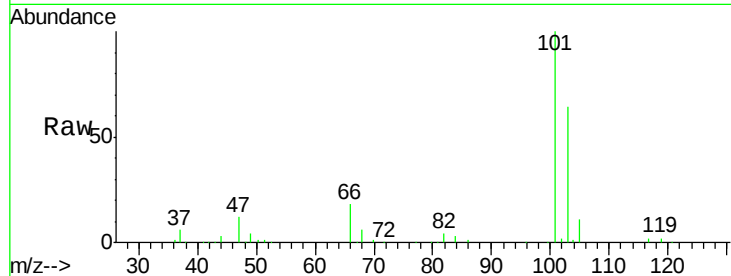


#7

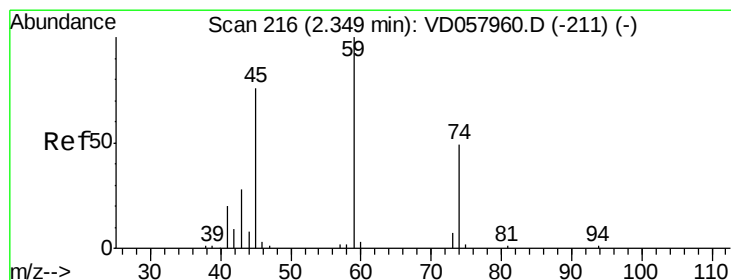
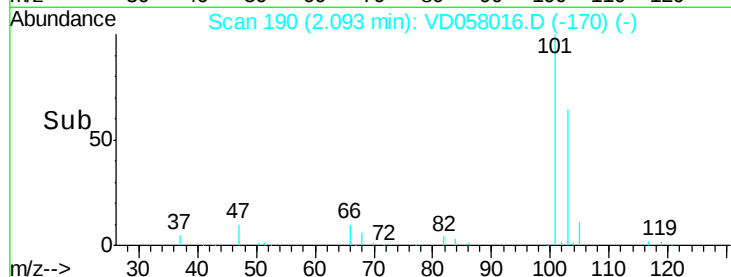
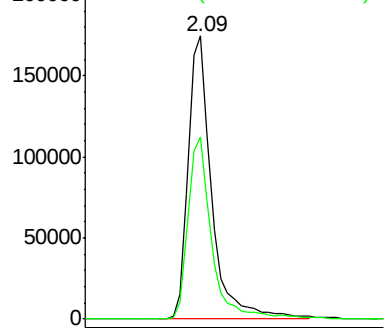
Trichlorofluoromethane
Concen: 56.148 ug/l
RT: 2.09 min Scan# 190
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 412640
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6



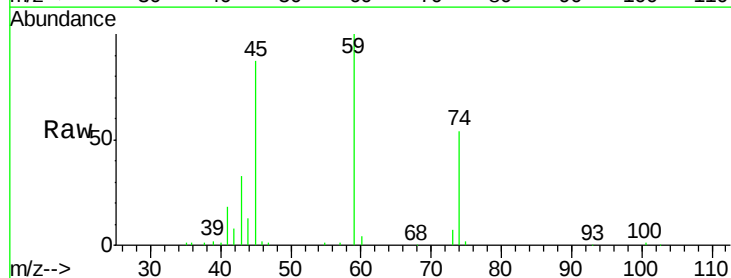
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



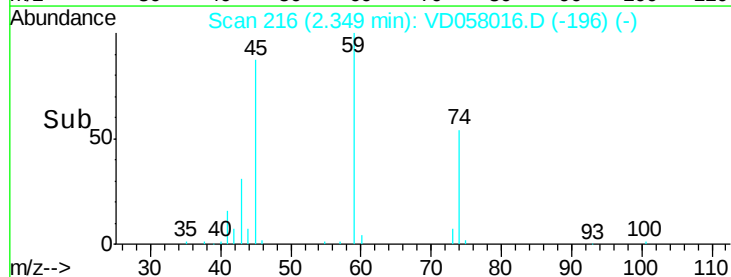
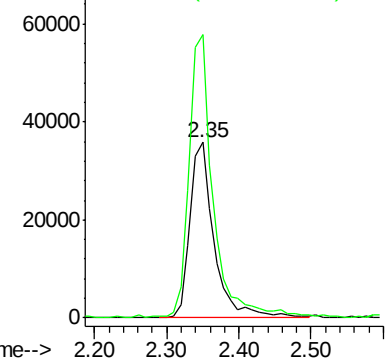
#8

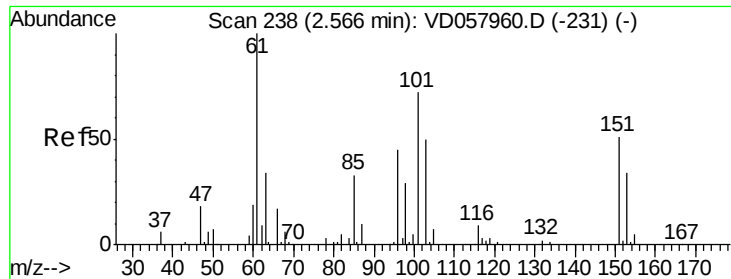
Diethyl Ether
Concen: 60.944 ug/l
RT: 2.35 min Scan# 216
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 74 Resp: 83204
Ion Ratio Lower Upper
74 100
45 161.3 77.1 231.3



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: 53.711 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampled :

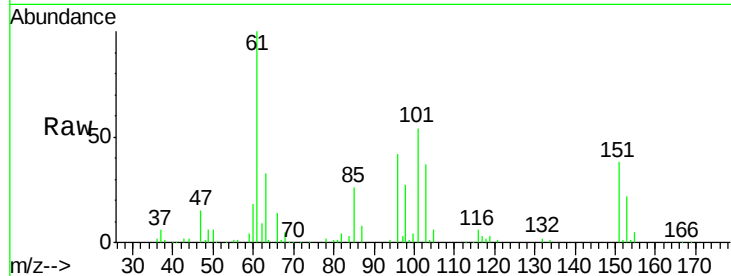
Tot Ion:101 Resp: 235448

Ion Ratio Lower Upper

101 100

85 48.4 37.3 55.9

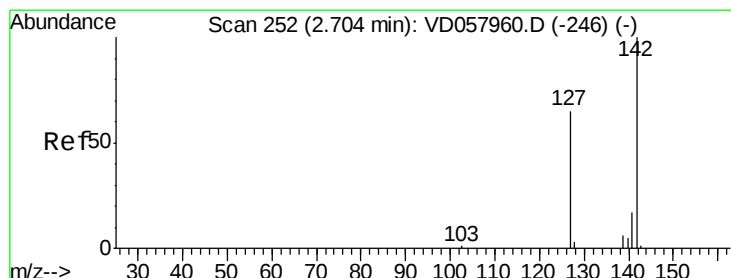
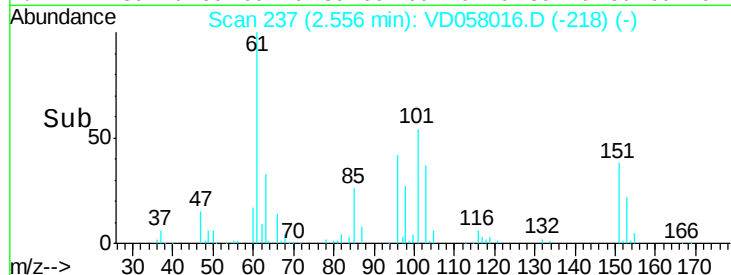
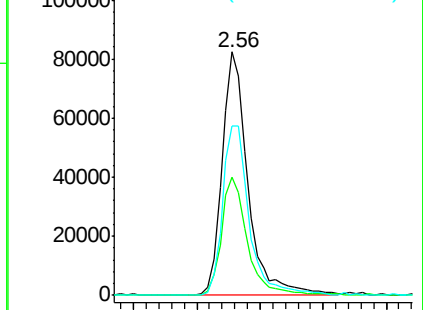
151 69.6 57.0 85.6



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: 58.685 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

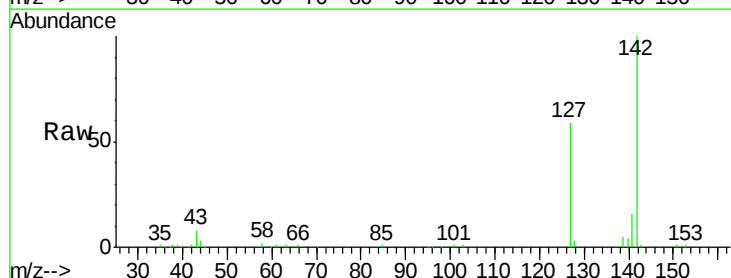
Tgt Ion:142 Resp: 331938

Ion Ratio Lower Upper

142 100

127 58.9 52.0 78.0

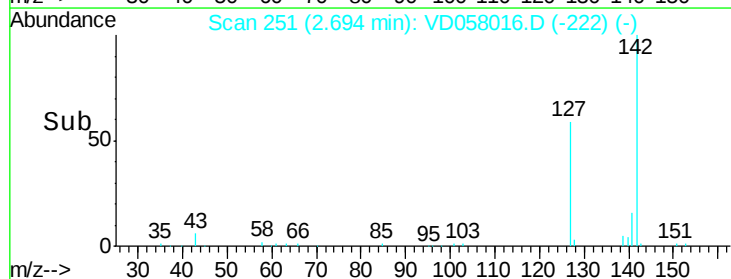
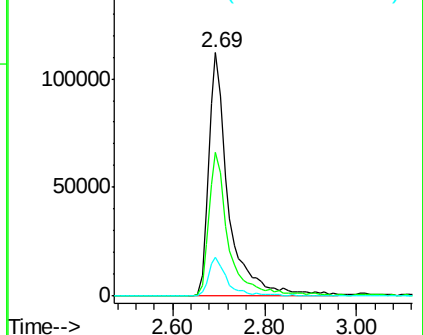
141 16.0 13.2 19.8

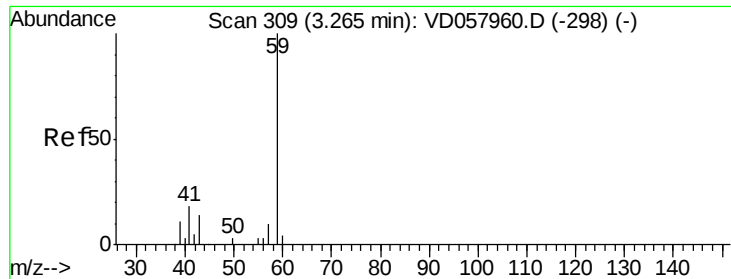


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



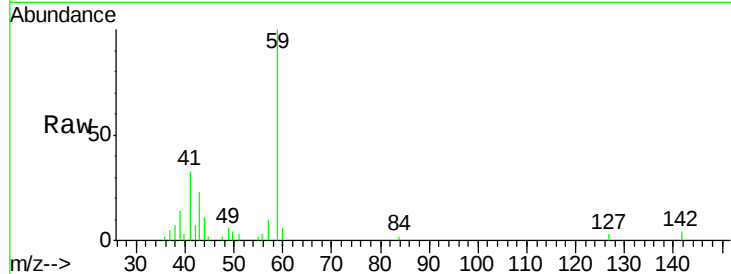


#11

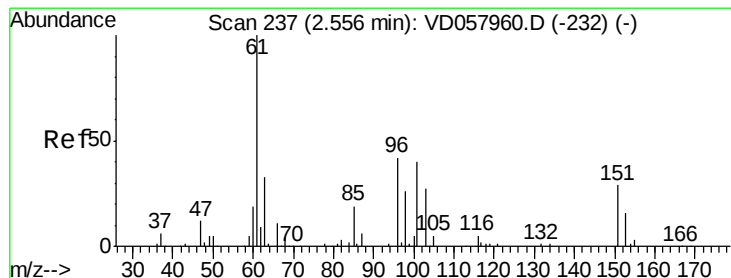
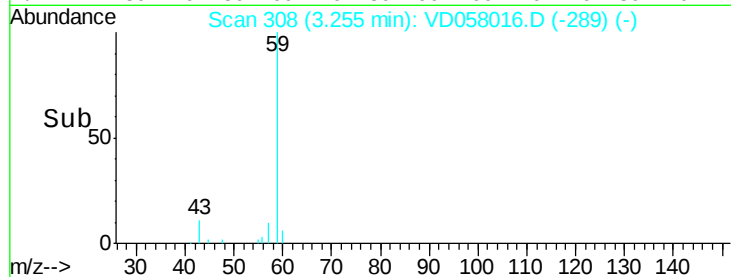
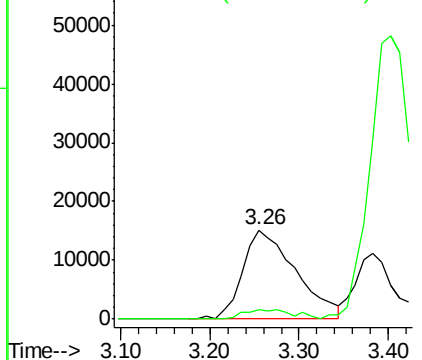
Tert butyl alcohol
Concen: 278.669 ug/l
RT: 3.26 min Scan# 308
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 62712
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.6



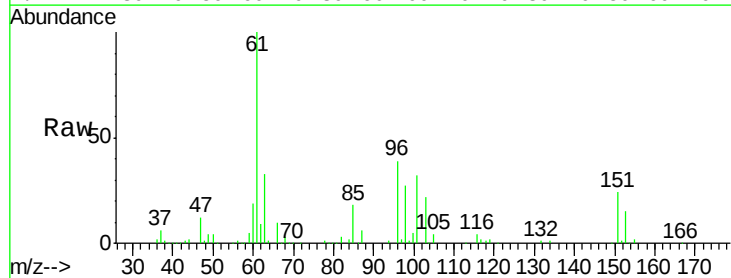
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



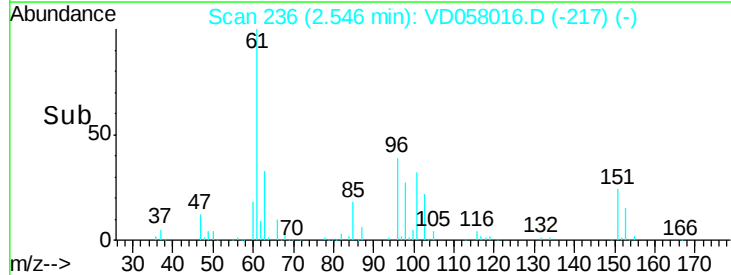
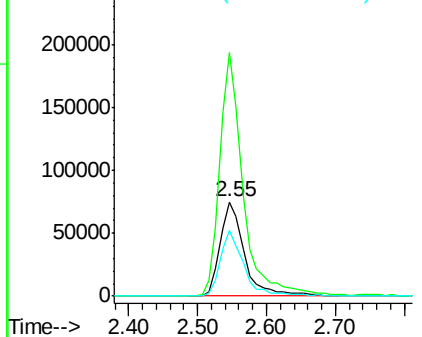
#12

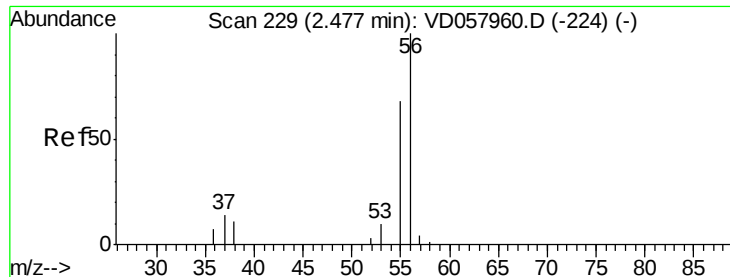
1,1-Dichloroethene
Concen: 54.189 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 96 Resp: 182618
Ion Ratio Lower Upper
96 100
61 259.1 190.2 285.4
98 69.6 49.6 74.4



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

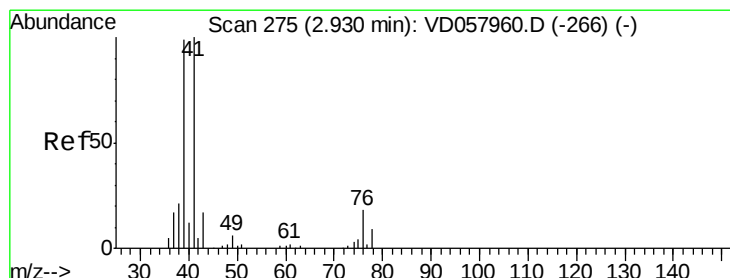
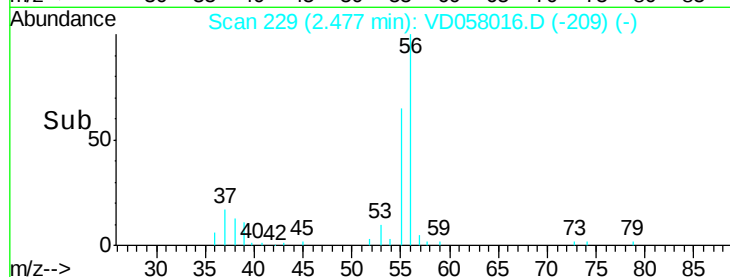
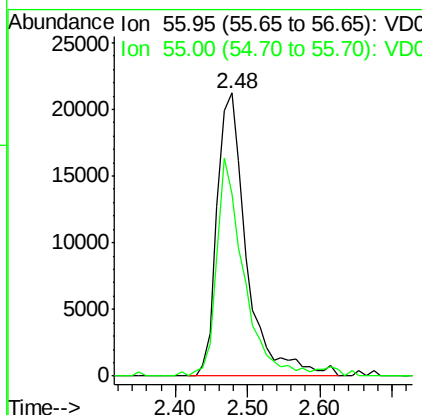
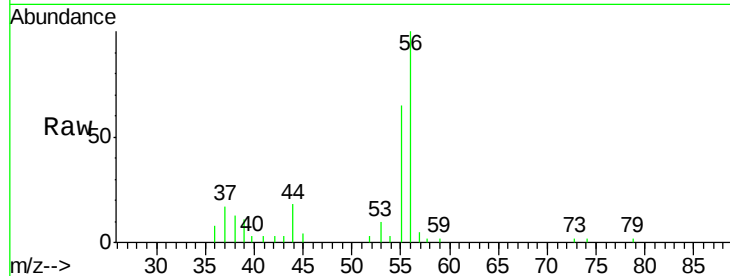




#13
Acrolein
Concen: 186.478 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

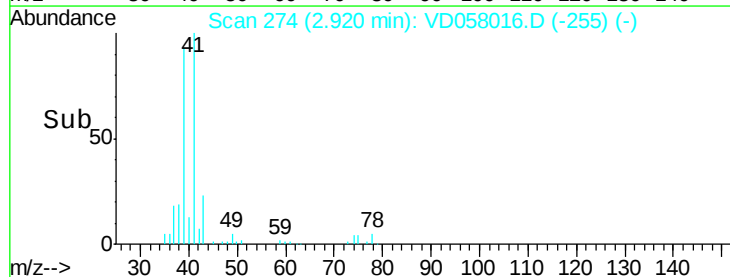
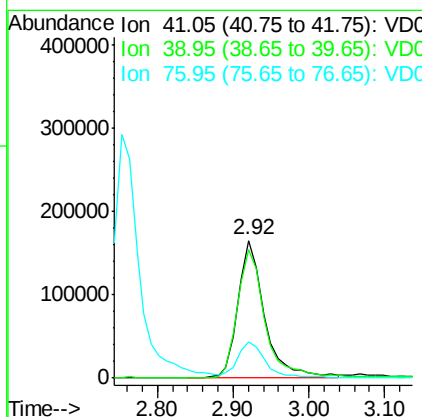
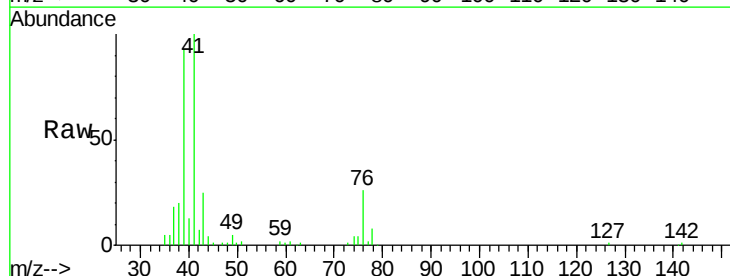
Instrument :
MSVOA_D
ClientSampleId :

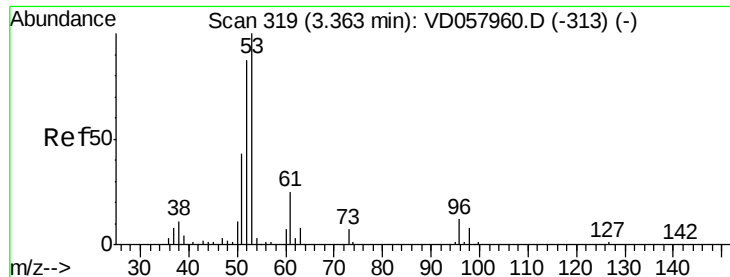
Tot Ion: 56 Resp: 60100
Ion Ratio Lower Upper
56 100
55 64.6 54.0 81.0



#14
Allyl chloride
Concen: 52.123 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 41 Resp: 405204
Ion Ratio Lower Upper
41 100
39 93.2 79.5 119.3
76 26.4 20.7 31.1





#15

Acrylonitrile

Concen: 237.005 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampled :

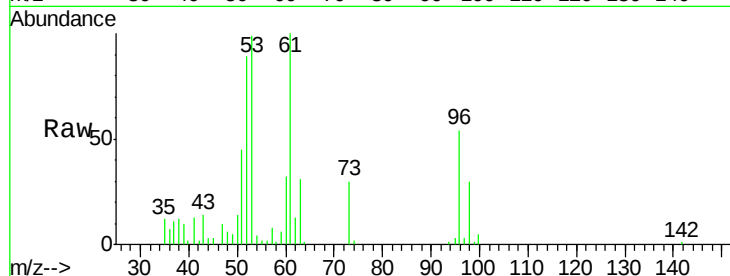
Tot Ion: 53 Resp: 312024

Ion Ratio Lower Upper

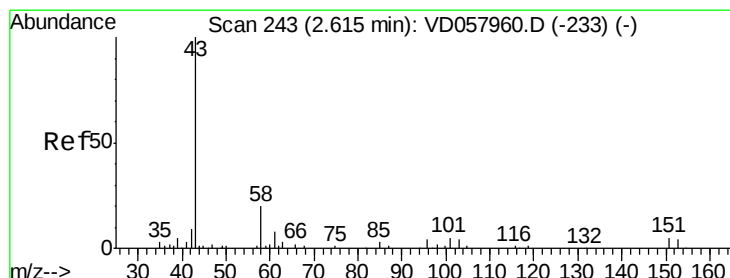
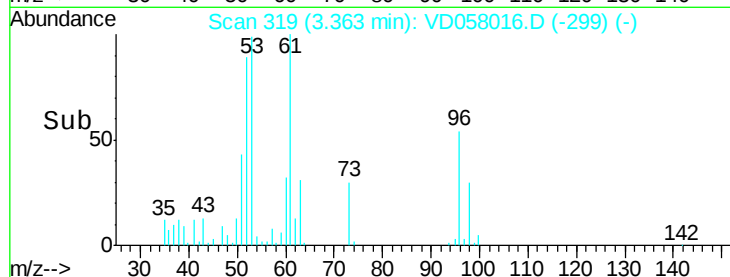
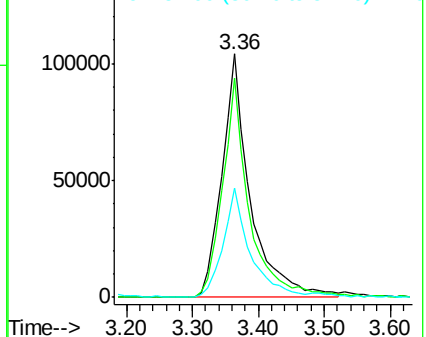
53 100

52 90.2 69.9 104.9

51 45.1 34.3 51.5



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



#16

Acetone

Concen: 358.190 ug/l

RT: 2.62 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD058016.D

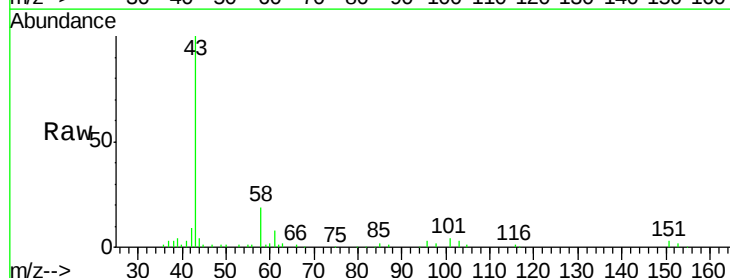
Acq: 8 Jun 2018 14:24

Tgt Ion: 43 Resp: 433519

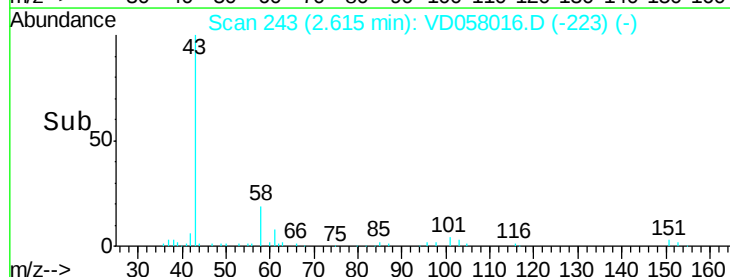
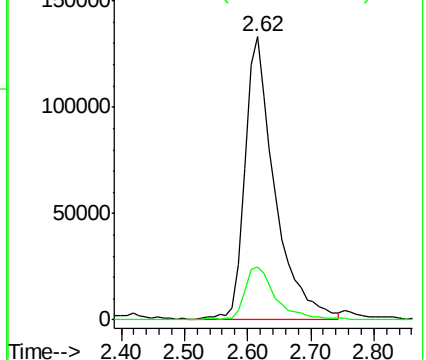
Ion Ratio Lower Upper

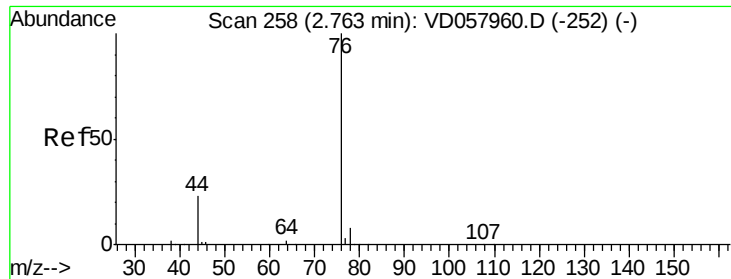
43 100

58 18.6 15.8 23.8



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





#17

Carbon Disulfide

Concen: 55.952 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

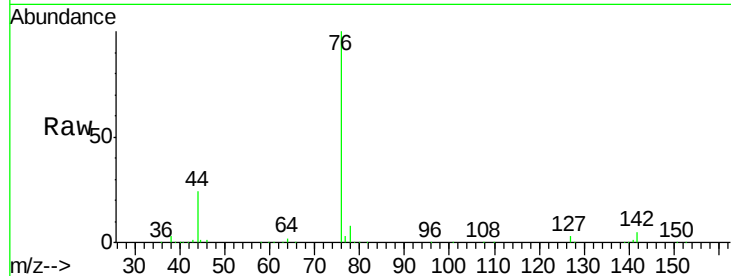
ClientSampleId :

Tot Ion: 76 Resp: 683087

Ion Ratio Lower Upper

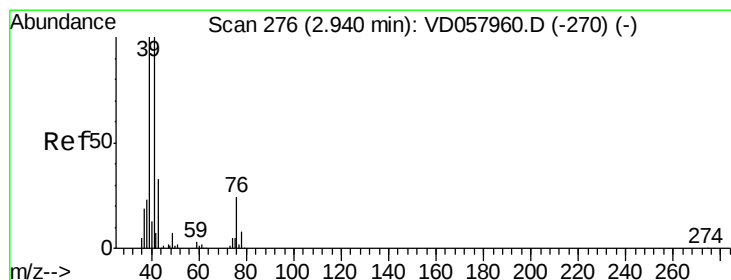
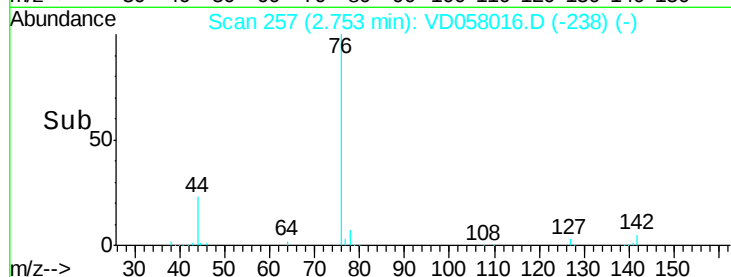
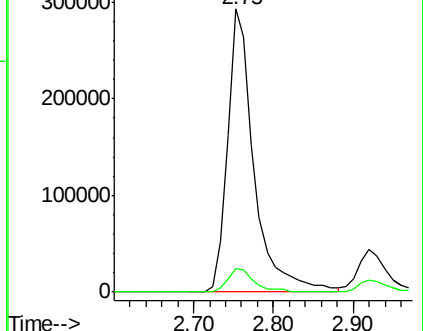
76 100

78 8.3 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 80.305 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058016.D

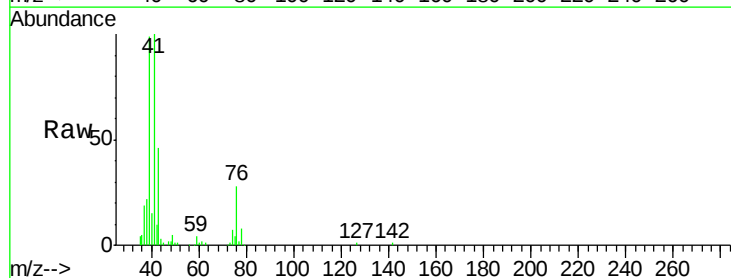
Acq: 8 Jun 2018 14:24

Tgt Ion: 43 Resp: 188018

Ion Ratio Lower Upper

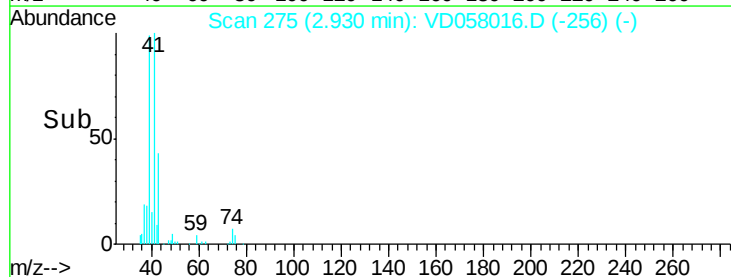
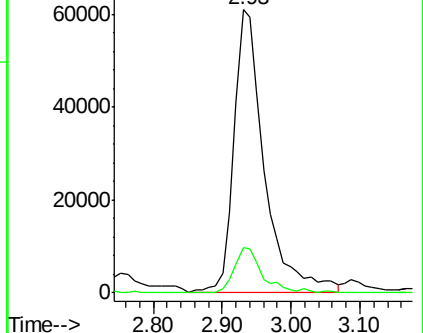
43 100

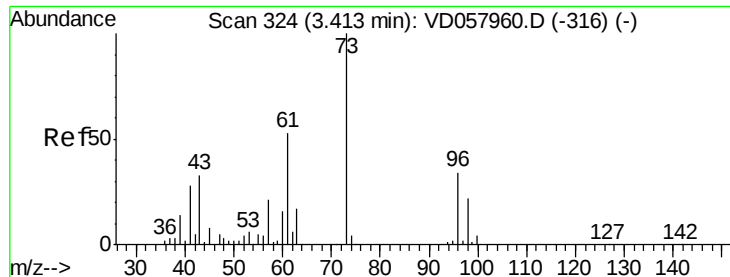
74 15.9 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

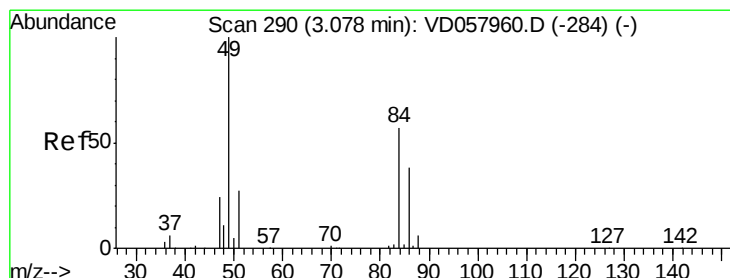
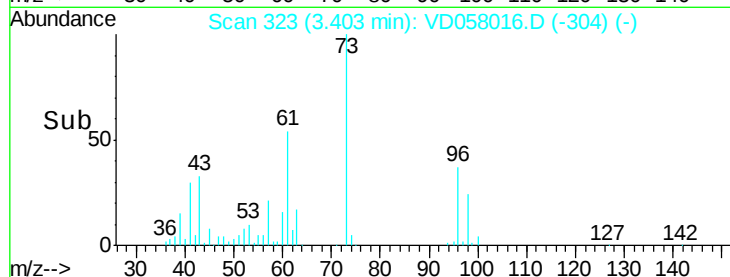
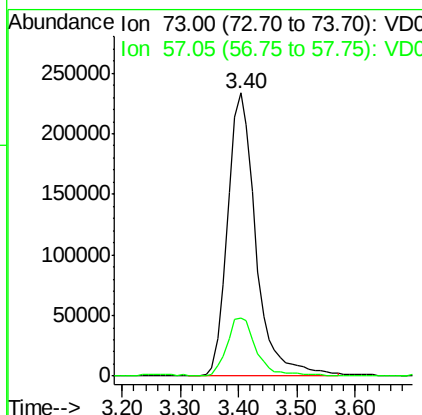
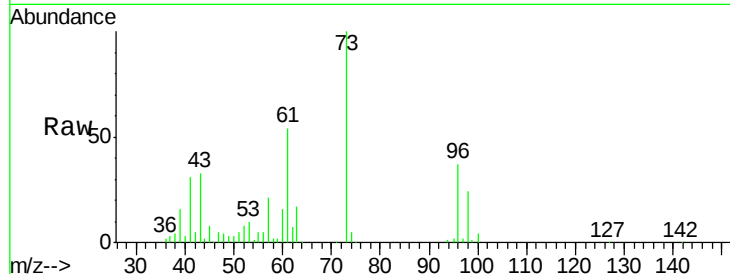




#19
Methvl tert-butvl Ether
Concen: 53.318 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

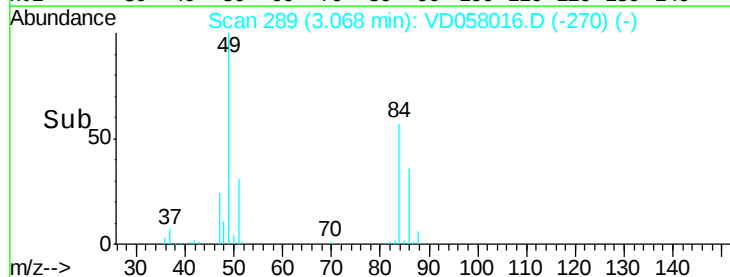
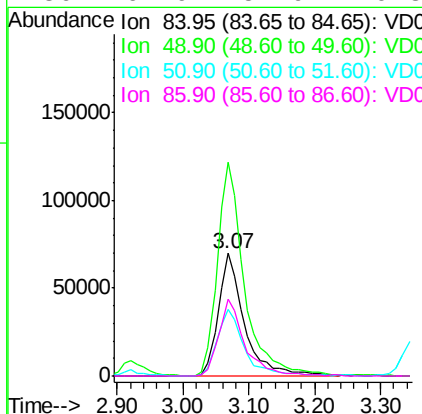
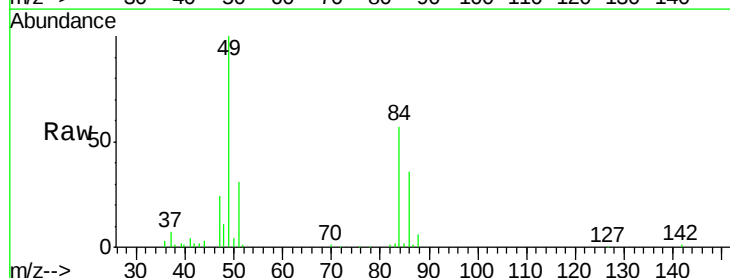
Instrument :
MSVOA_D
ClientSampleId :

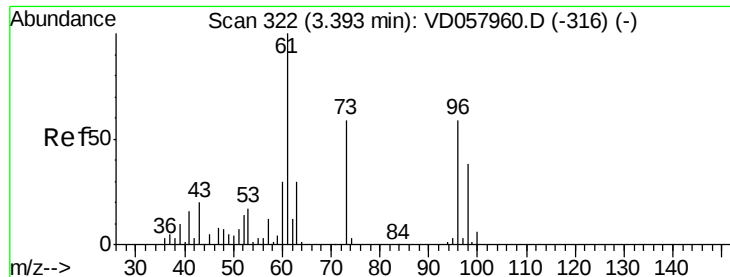
Tot Ion: 73 Resp: 790639
Ion Ratio Lower Upper
73 100
57 20.6 16.7 25.1



#20
Methylene Chloride
Concen: 57.867 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 84 Resp: 191618
Ion Ratio Lower Upper
84 100
49 174.5 141.4 212.0
51 54.6 38.3 57.5
86 62.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 55.391 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

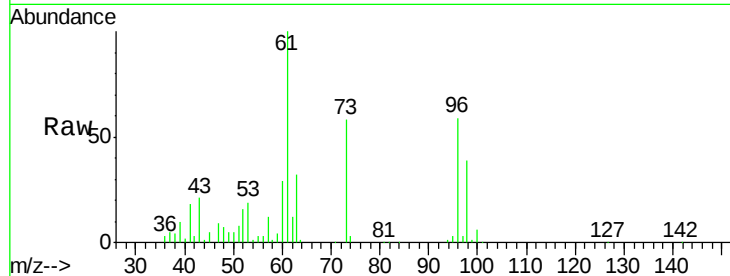
Tot Ion: 96 Resp: 415772

Ion Ratio Lower Upper

96 100

61 170.5 135.2 202.8

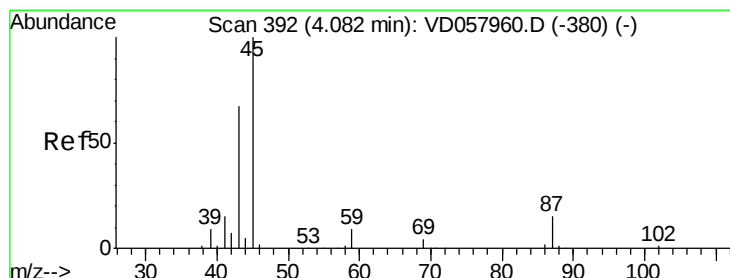
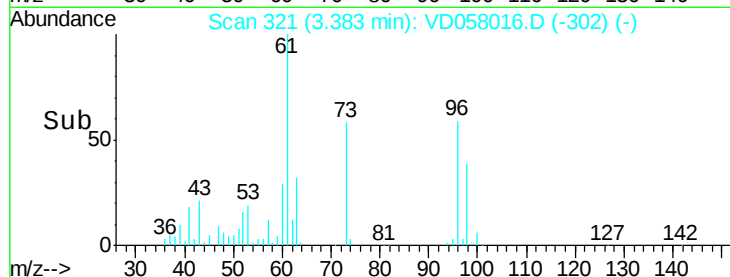
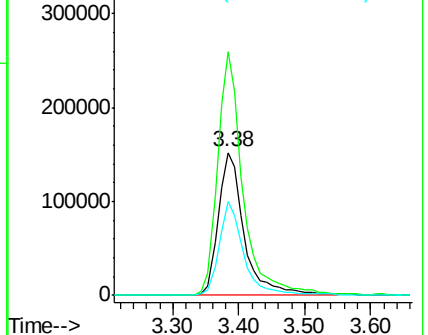
98 65.8 51.7 77.5



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: 52.576 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Tgt Ion: 45 Resp: 1619260

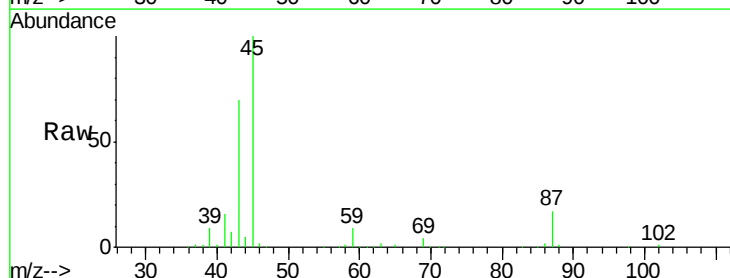
Ion Ratio Lower Upper

45 100

43 70.3 53.8 80.8

87 16.6 12.5 18.7

59 9.1 7.3 10.9

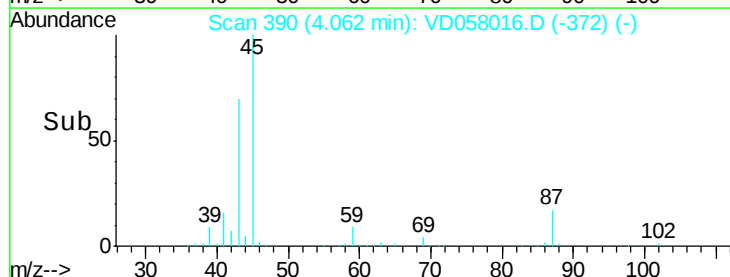
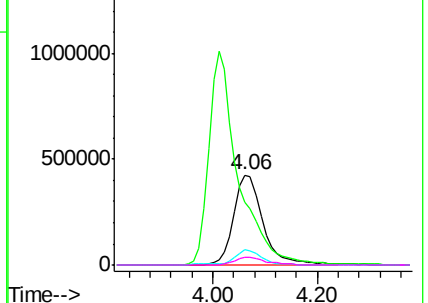


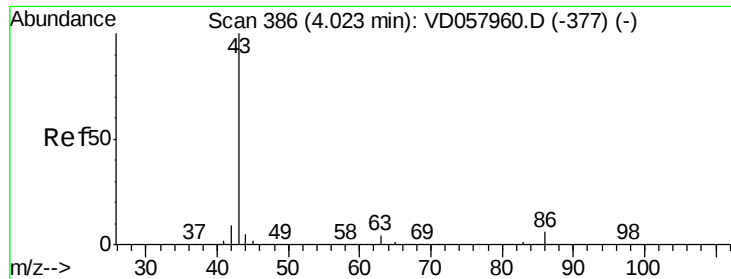
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

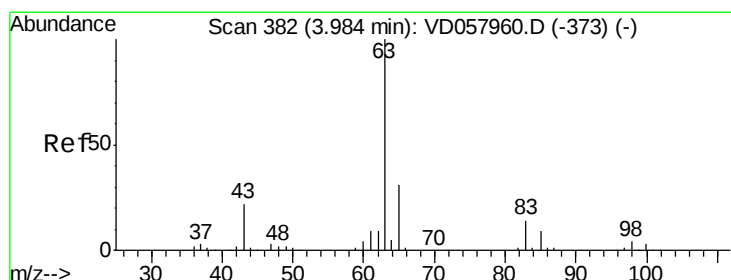
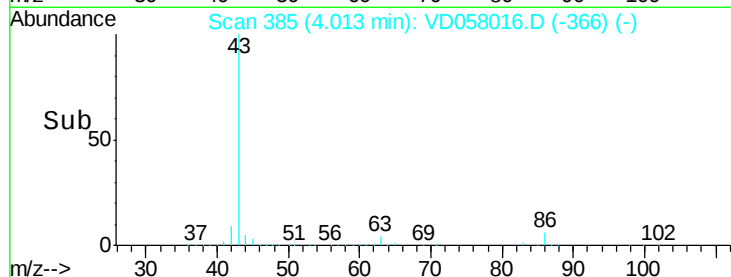
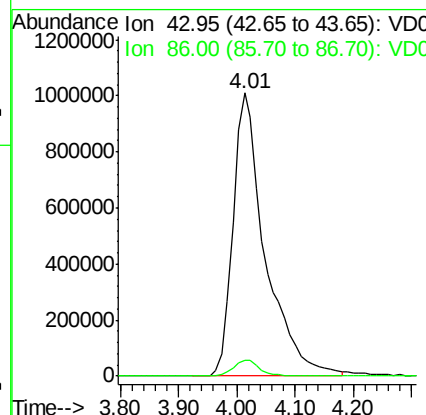
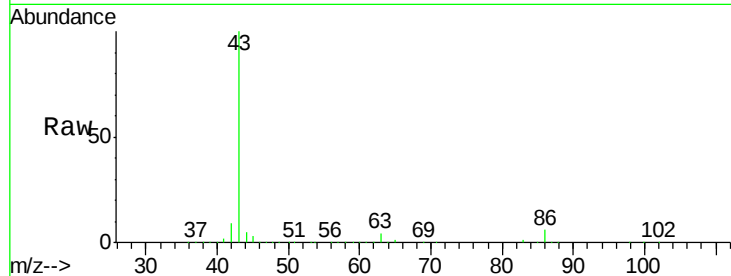




#23
 Vinyl Acetate
 Concen: 243.732 ug/l
 RT: 4.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

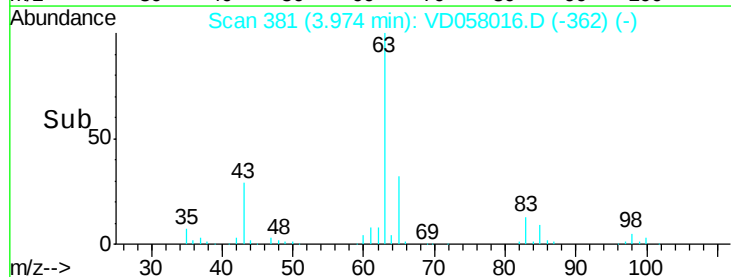
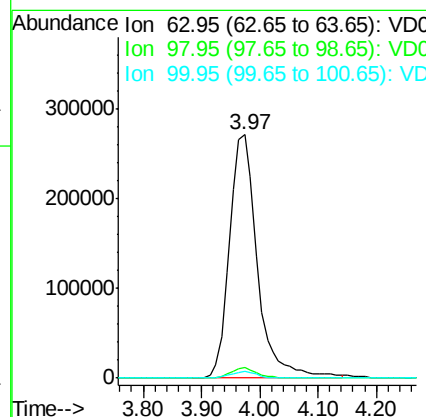
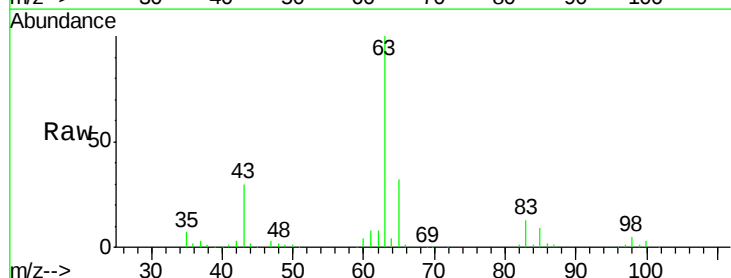
Instrument :
 MSVOA_D
 ClientSampleID :

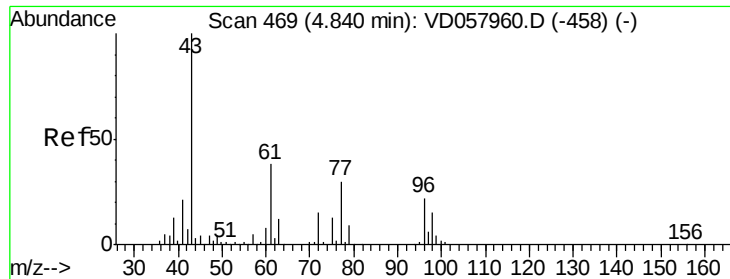
Tot Ion: 43 Resp: 3878491
 Ion Ratio Lower Upper
 43 100
 86 5.5 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 53.451 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 63 Resp: 904733
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.0 5.8
 100 2.9 1.4 4.2

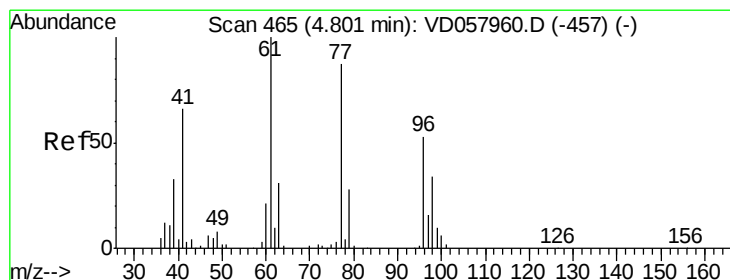
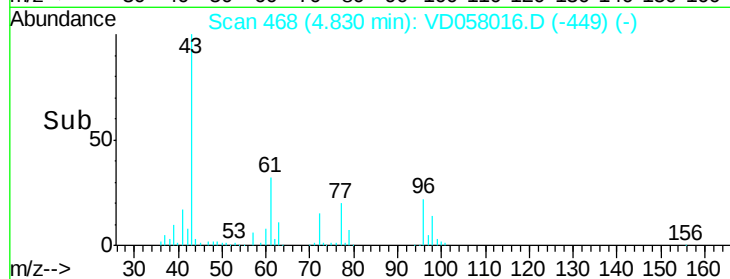
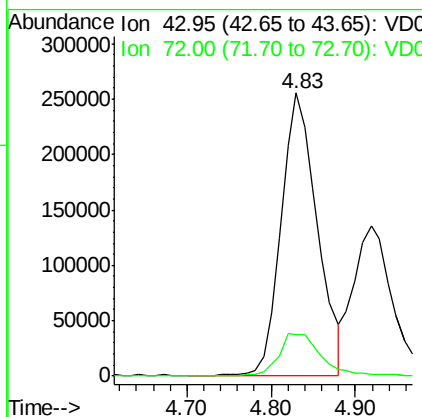
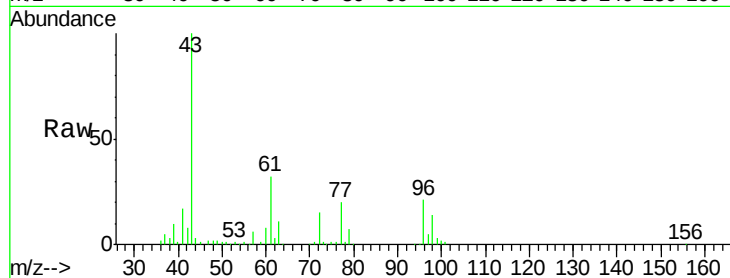




#25
 2-Butanone
 Concen: 274.982 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

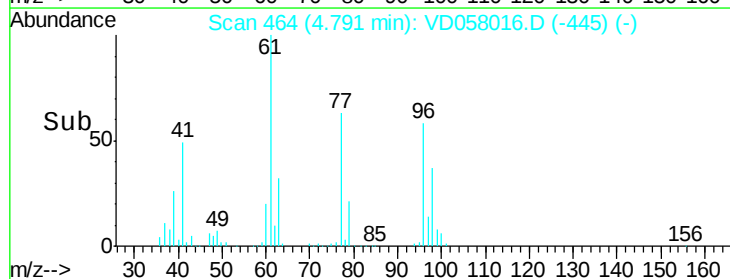
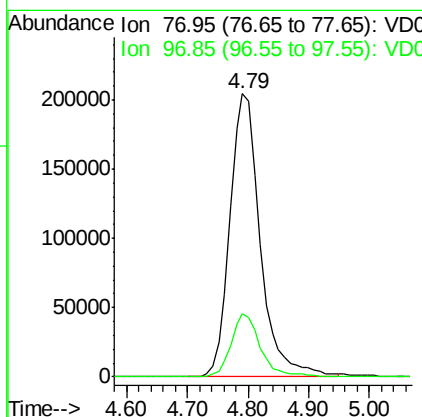
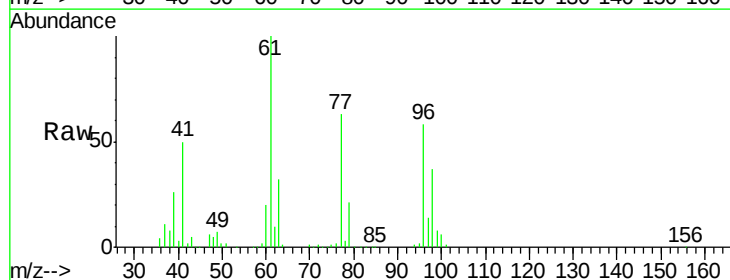
Instrument :
 MSVOA_D
 ClientSampled :

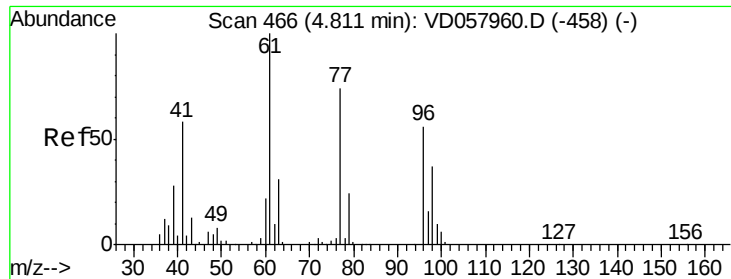
Tot Ion: 43 Resp: 756357
 Ion Ratio Lower Upper
 43 100
 72 14.6 12.0 18.0



#26
 2,2-Dichloropropane
 Concen: 51.066 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 77 Resp: 712043
 Ion Ratio Lower Upper
 77 100
 97 22.5 9.2 27.6

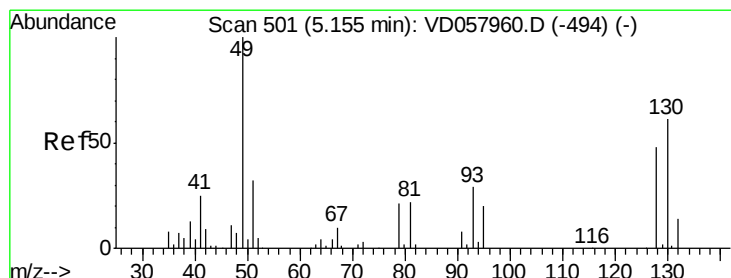
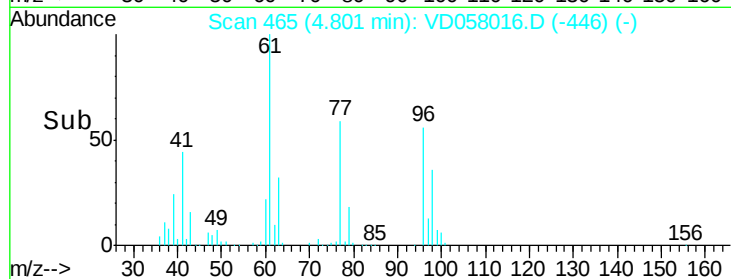
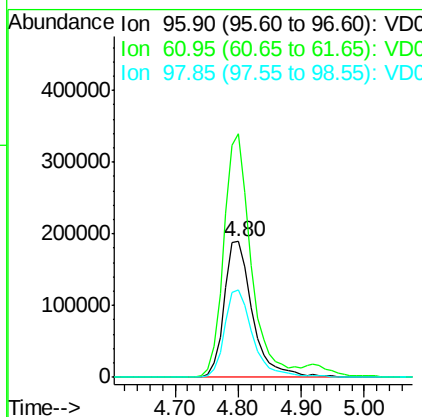
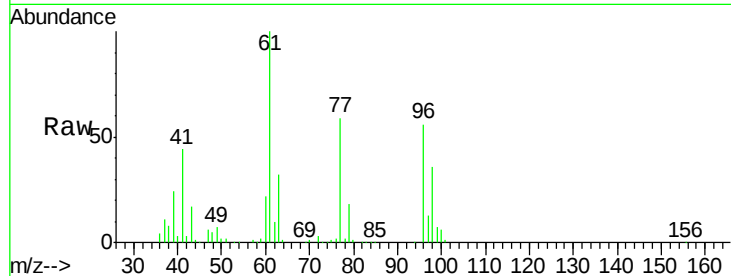




#27
 cis-1,2-Dichloroethene
 Concen: 66.290 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

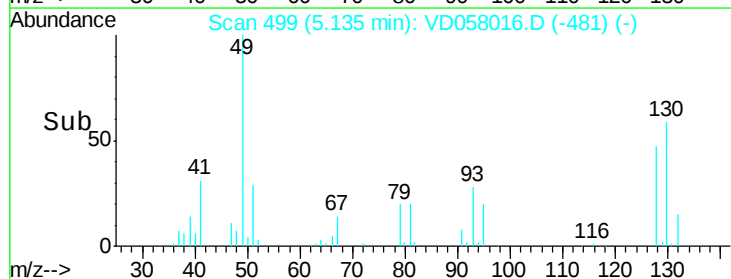
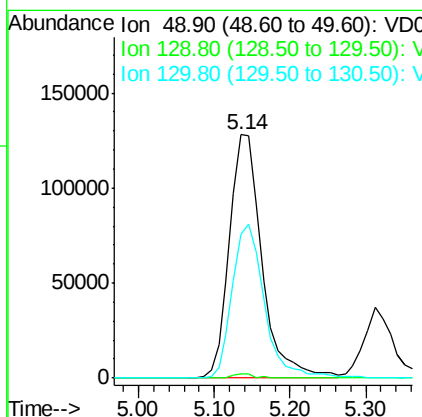
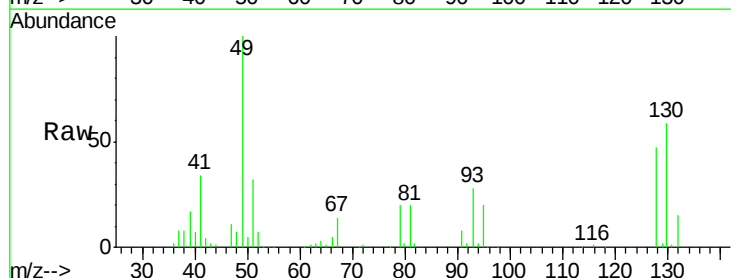
Instrument :
 MSVOA_D
 ClientSampled :

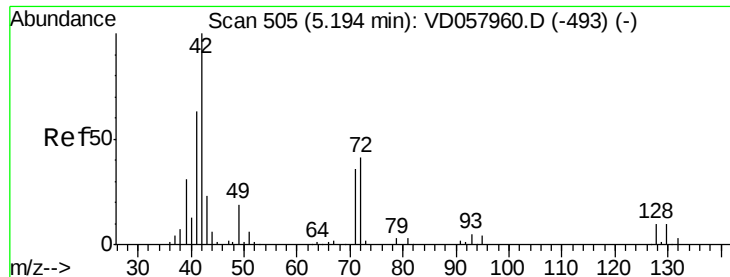
Tot Ion: 96 Resp: 590145
 Ion Ratio Lower Upper
 96 100
 61 179.5 0.0 355.0
 98 64.8 0.0 129.6



#28
 Bromochloromethane
 Concen: 52.137 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. -0.02 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 49 Resp: 381956
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 58.9 48.8 73.2

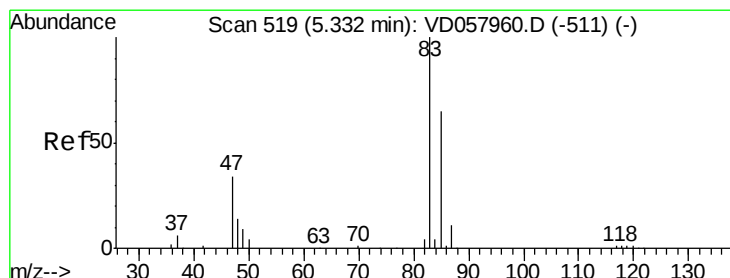
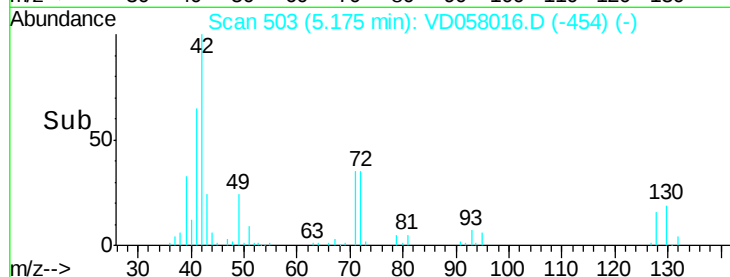
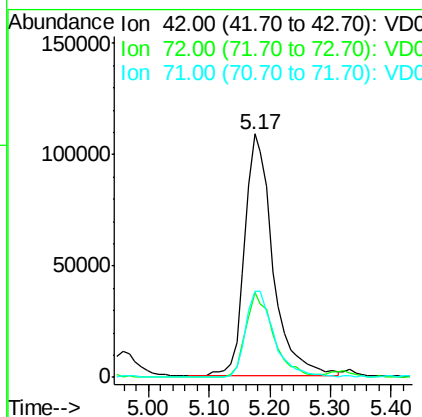
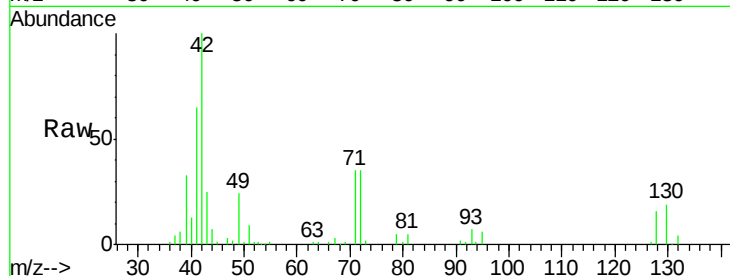




#29
Tetrahydrofuran
Concen: 245.968 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

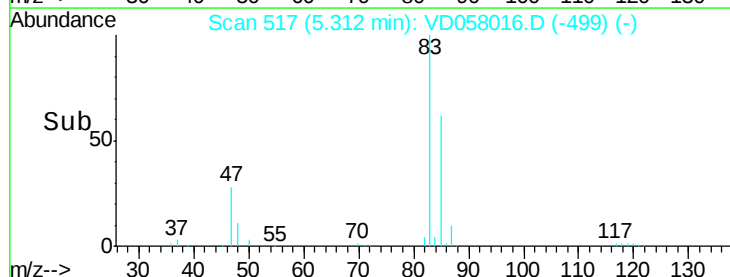
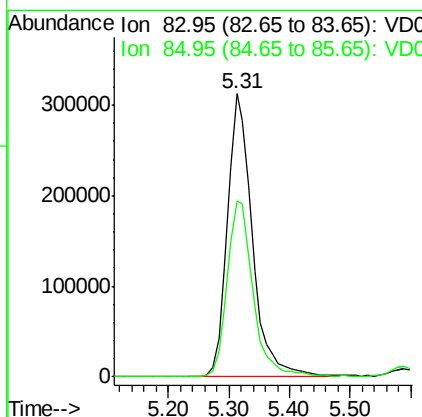
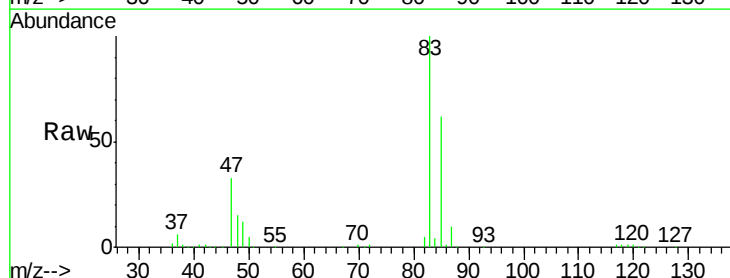
Instrument :
MSVOA_D
ClientSampled :

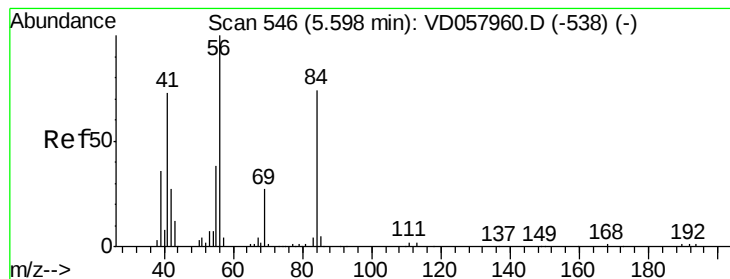
Tot Ion: 42 Resp: 354653
Ion Ratio Lower Upper
42 100
72 34.5 28.5 42.7
71 35.8 27.9 41.9



#30
Chloroform
Concen: 52.582 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 83 Resp: 895733
Ion Ratio Lower Upper
83 100
85 62.2 51.6 77.4





#31

Cyclohexane

Concen: 46.184 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

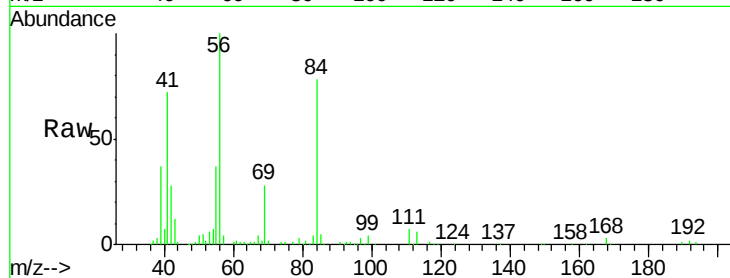
Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

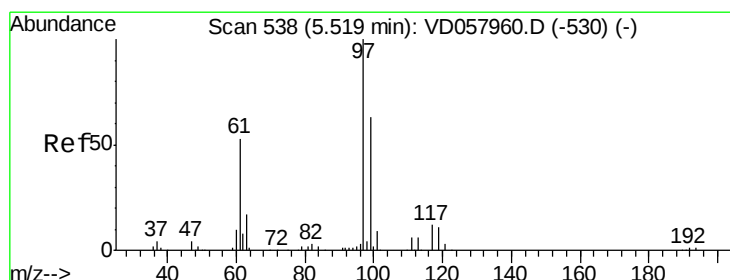
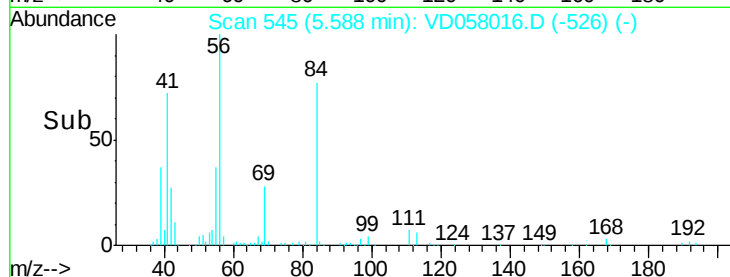
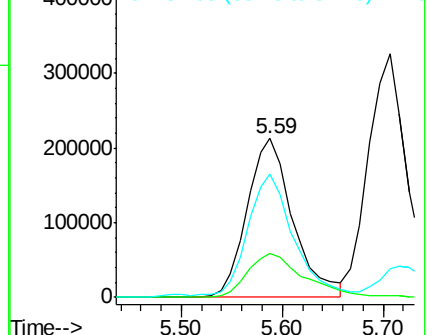
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 674623

Ion	Ratio	Lower	Upper
56	100		
69	27.9	21.5	32.3
84	77.7	61.0	91.6



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



#32

1,1,1-Trichloroethane

Concen: 53.241 ug/l

RT: 5.50 min Scan# 536

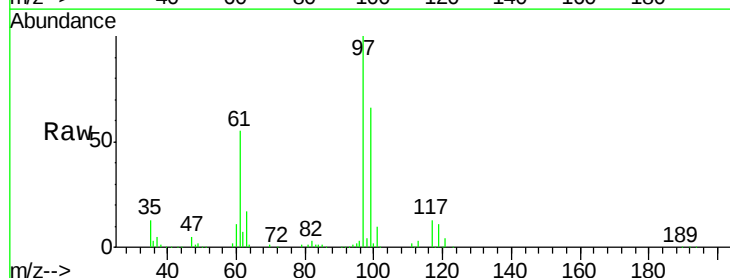
Delta R.T. -0.02 min

Lab File: VD058016.D

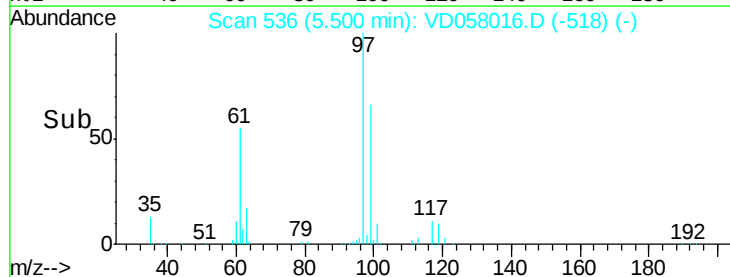
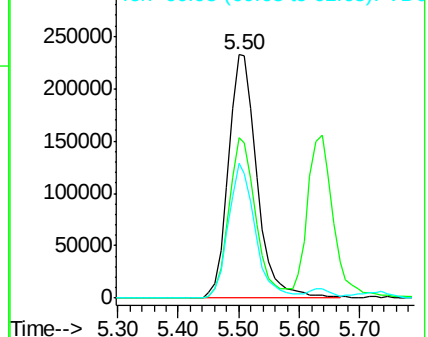
Acq: 8 Jun 2018 14:24

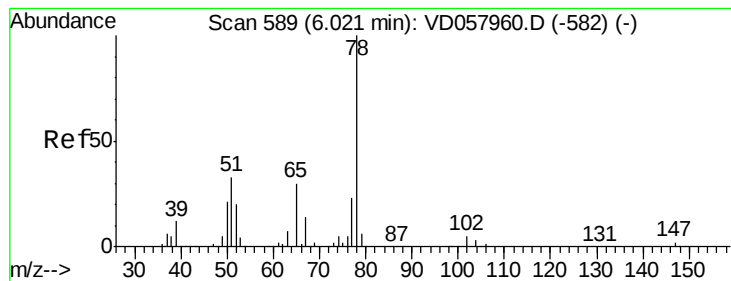
Tgt Ion: 97 Resp: 759400

Ion	Ratio	Lower	Upper
97	100		
99	65.7	50.1	75.1
61	55.1	42.2	63.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.241 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

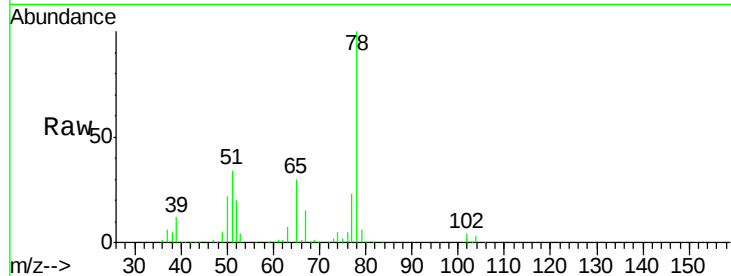
ClientSampleId :

Tot Ion: 65 Resp: 402114

Ion Ratio Lower Upper

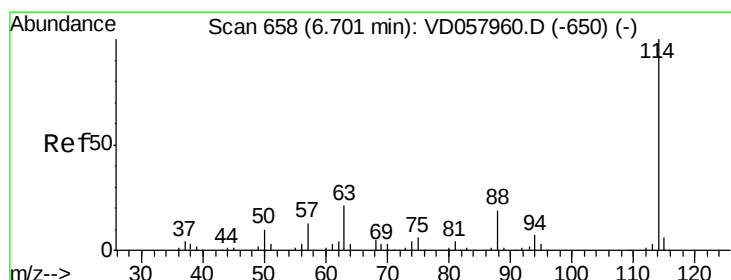
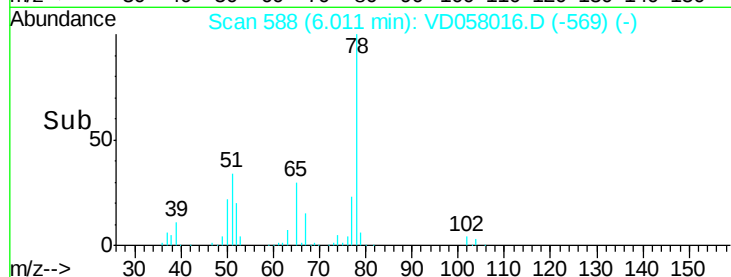
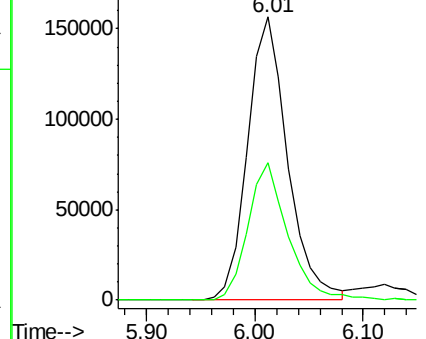
65 100

67 48.6 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

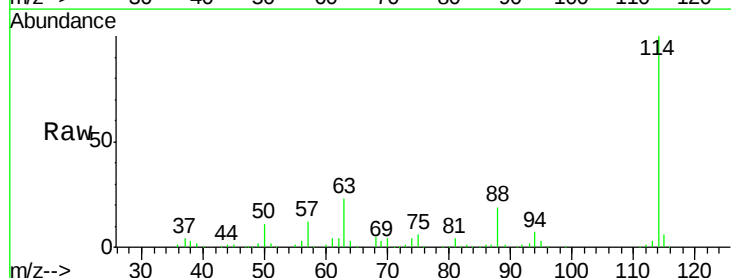
Tgt Ion: 114 Resp: 1110986

Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.8

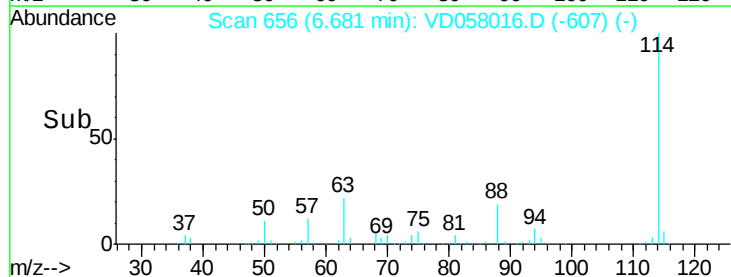
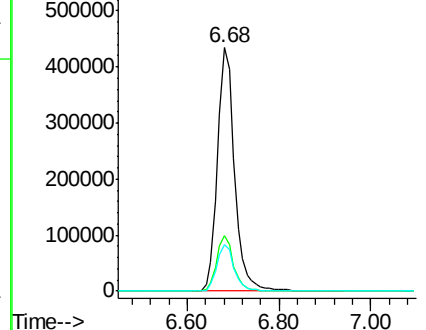
88 19.2 0.0 37.8

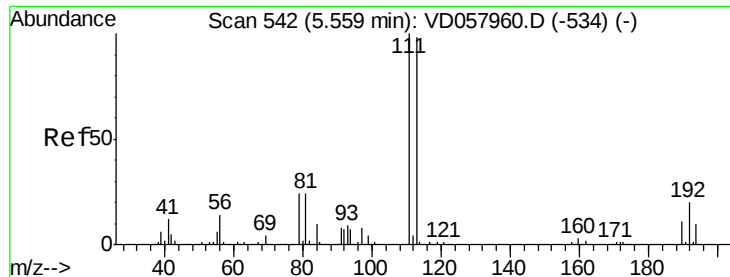


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampled :

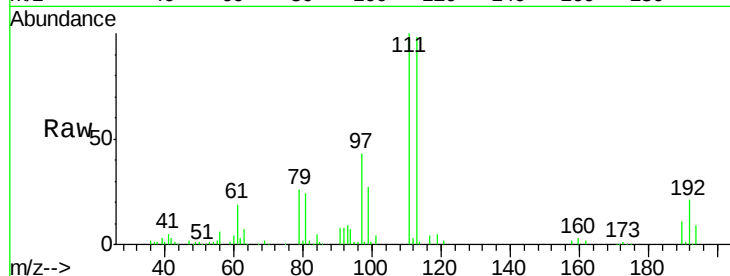
Tot Ion:113 Resp: 417159

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

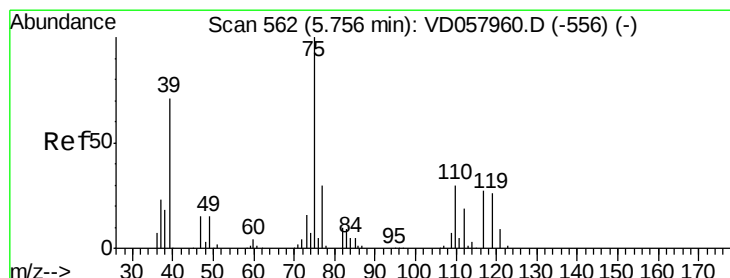
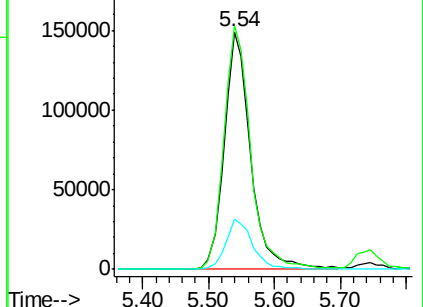
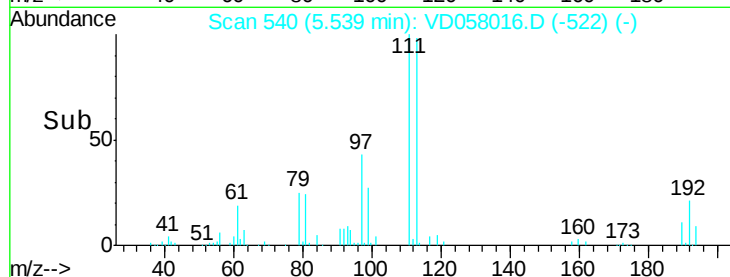
192 21.4 16.4 24.6



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: 52.544 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

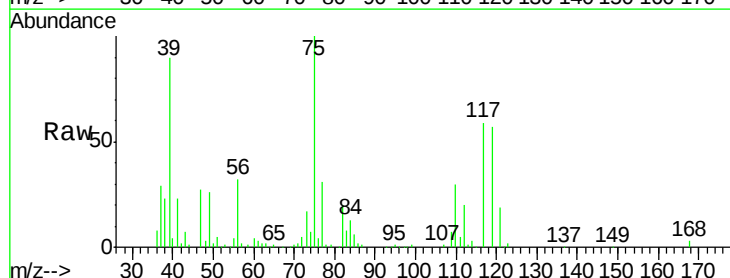
Tgt Ion: 75 Resp: 643140

Ion Ratio Lower Upper

75 100

110 30.2 14.8 44.3

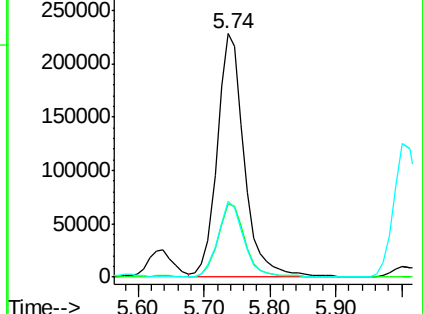
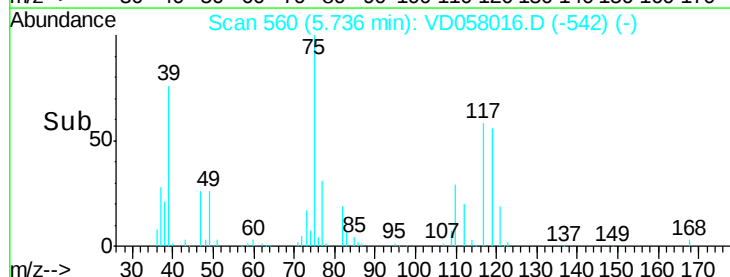
77 31.1 23.9 35.9

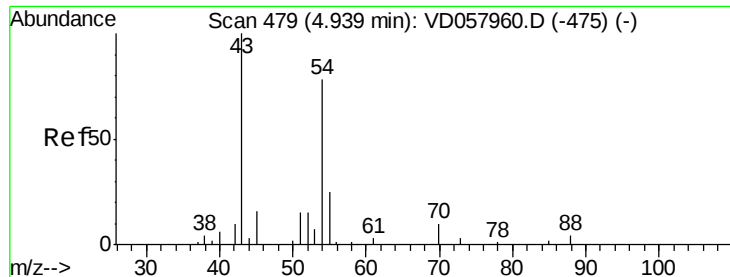


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

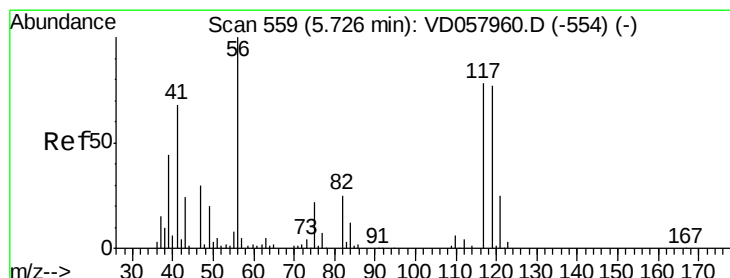
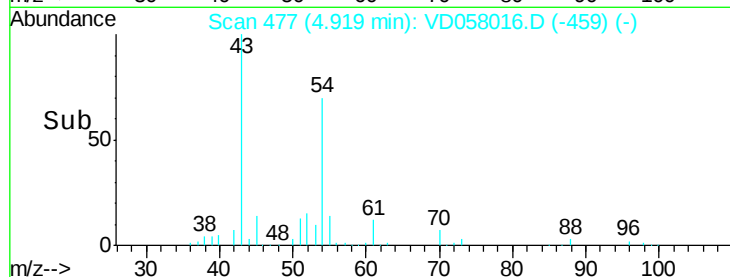
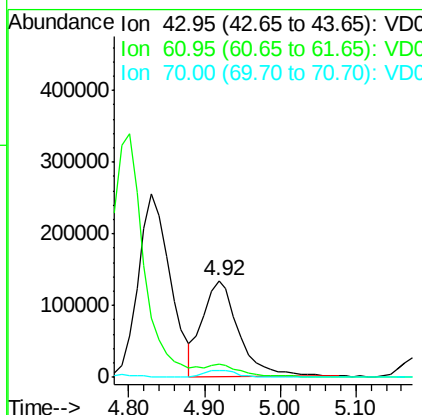
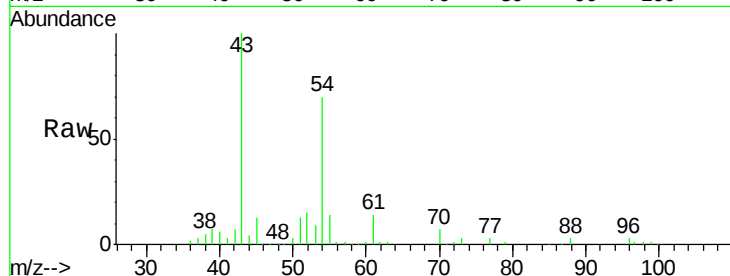




#37
Ethyl Acetate
Concen: 66.130 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

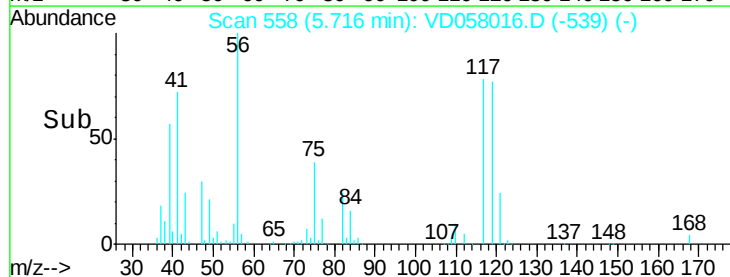
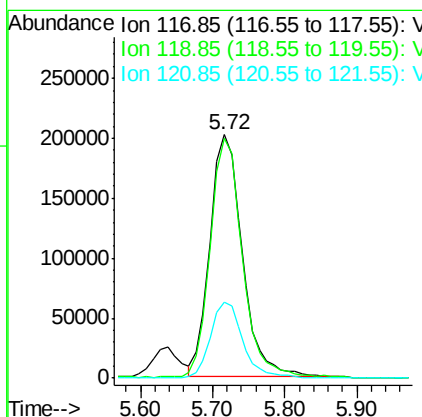
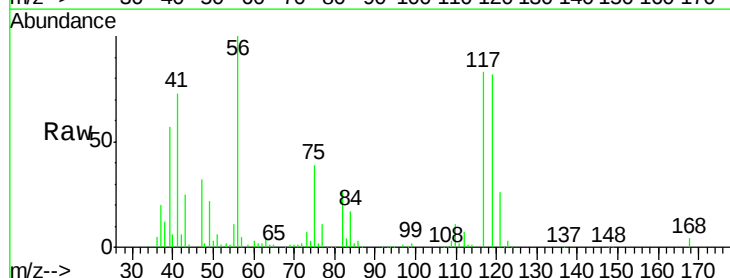
Instrument :
MSVOA_D
ClientSampleID :

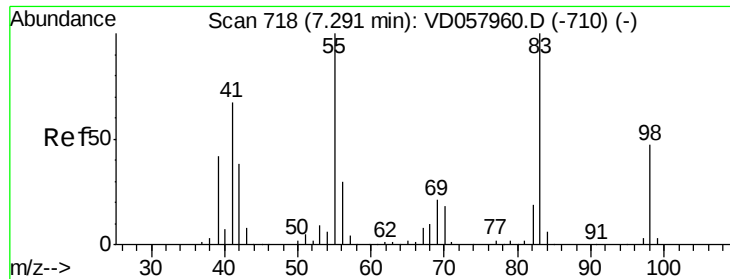
Tot Ion: 43 Resp: 441673
Ion Ratio Lower Upper
43 100
61 14.3 9.9 14.9
70 7.3 5.7 8.5



#38
Carbon Tetrachloride
Concen: 51.857 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 117 Resp: 625553
Ion Ratio Lower Upper
117 100
119 98.7 76.1 114.1
121 31.0 24.9 37.3

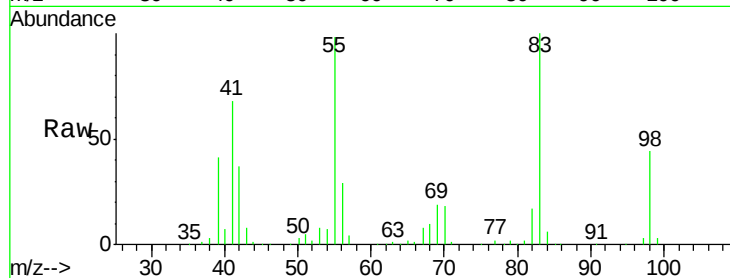




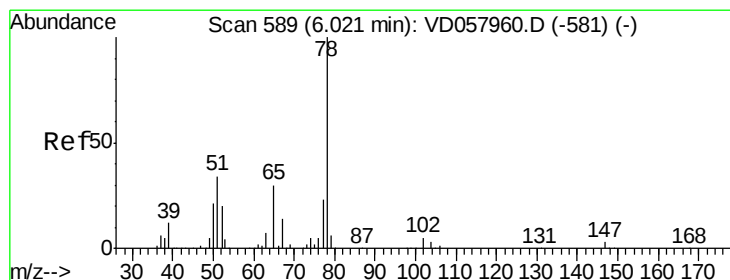
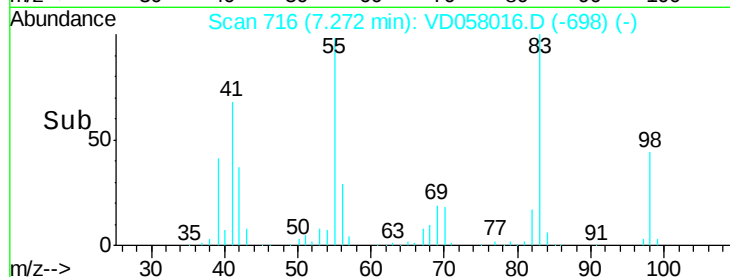
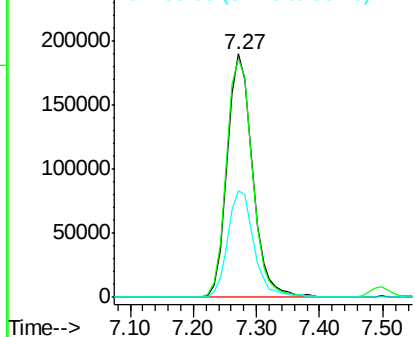
#39
Methvlcvclohexane
Concen: 43.506 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 527889
Ion Ratio Lower Upper
83 100
55 98.1 80.3 120.5
98 43.9 38.0 57.0

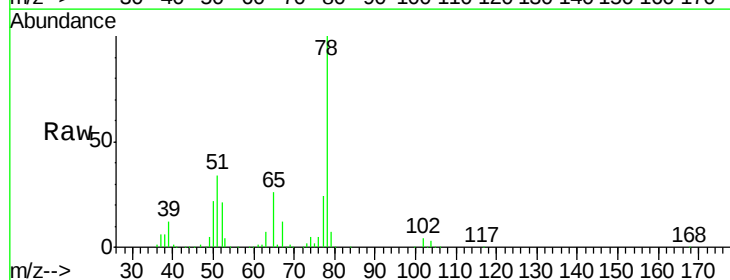


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

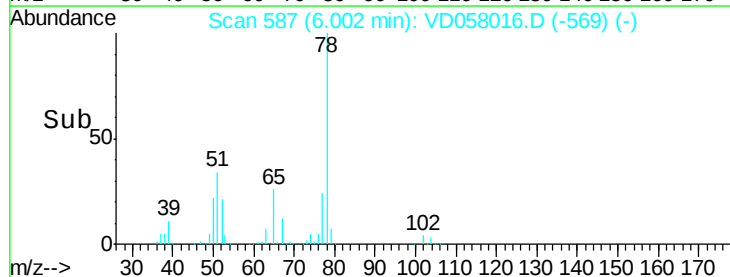
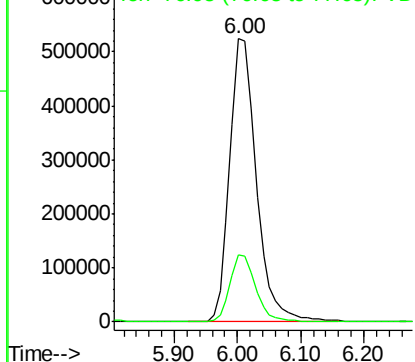


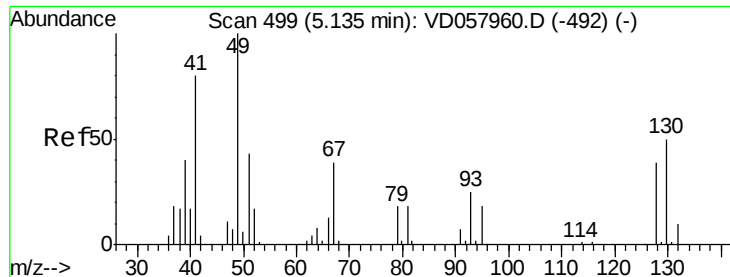
#40
Benzene
Concen: 53.906 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 78 Resp: 1541364
Ion Ratio Lower Upper
78 100
77 23.9 18.1 27.1



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





#41

Methacrylonitrile

Concen: 55.071 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 168177

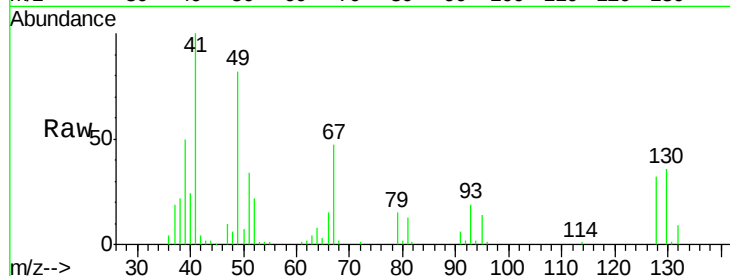
Ion Ratio Lower Upper

41 100

39 50.2 40.7 61.1

67 46.5 38.8 58.2

52 22.3 17.3 25.9

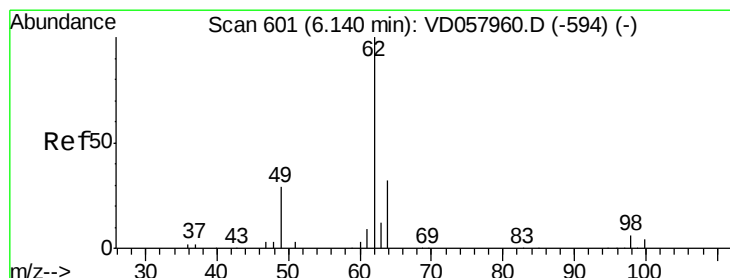
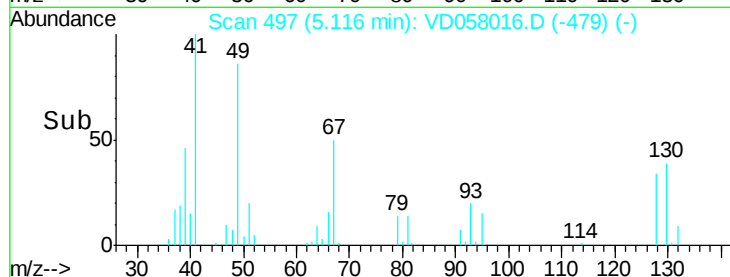
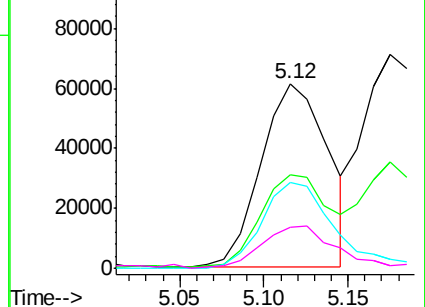


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 52.312 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD058016.D

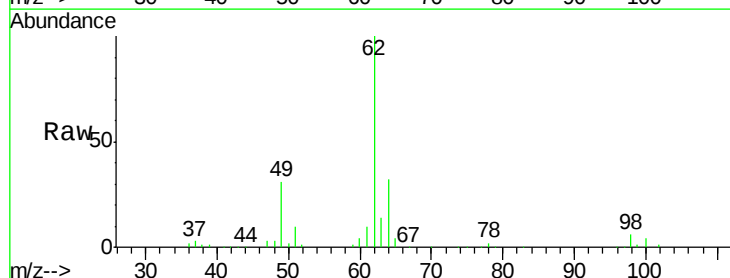
Acq: 8 Jun 2018 14:24

Tgt Ion: 62 Resp: 604781

Ion Ratio Lower Upper

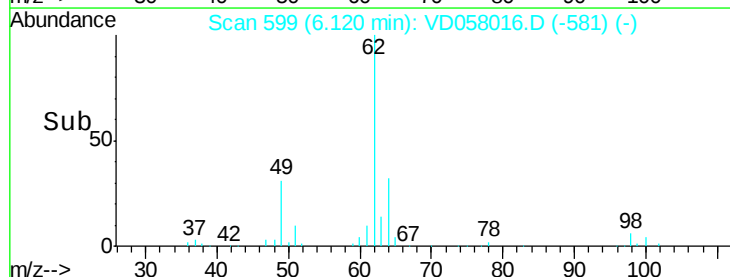
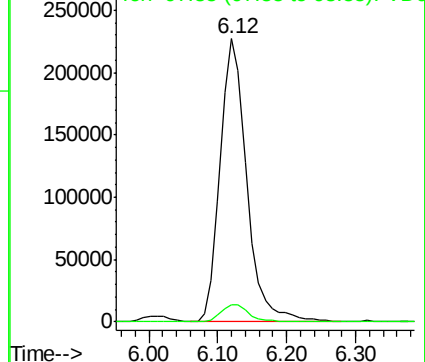
62 100

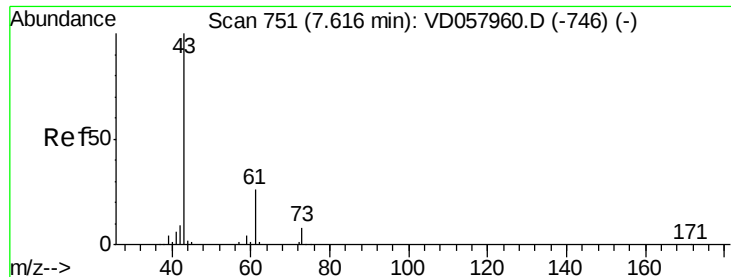
98 6.0 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.919 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

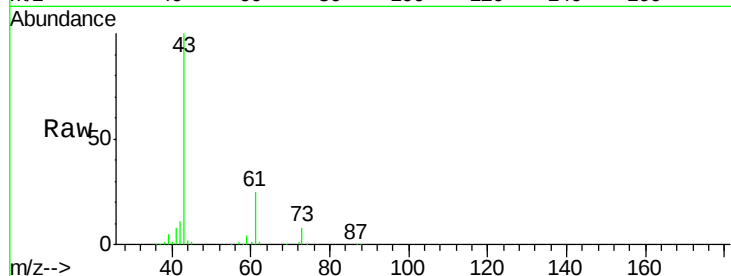
Tot Ion: 43 Resp: 462946

Ion Ratio Lower Upper

43 100

61 25.4 20.6 30.8

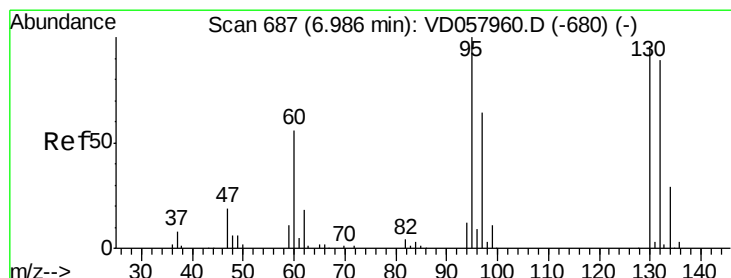
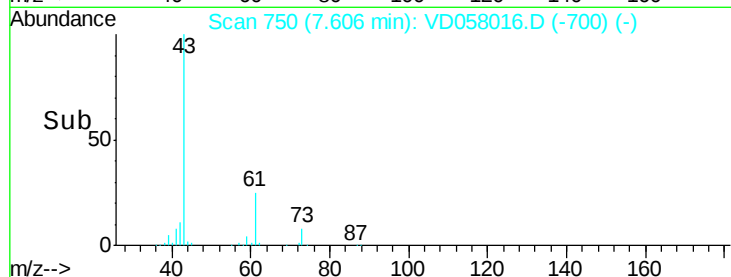
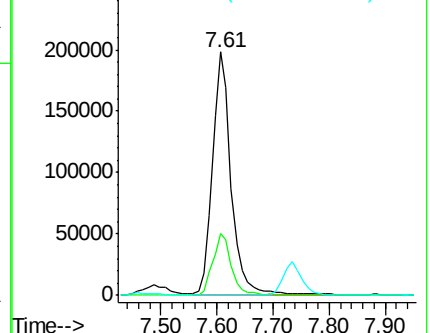
87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.705 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD058016.D

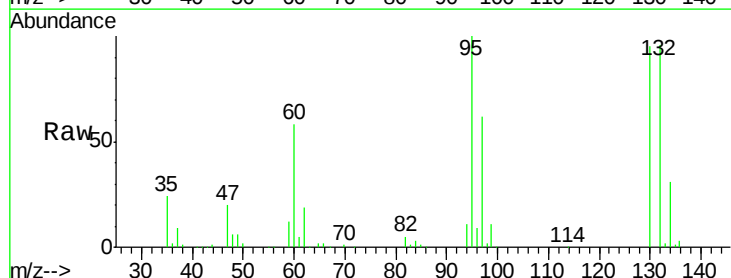
Acq: 8 Jun 2018 14:24

Tgt Ion:130 Resp: 448552

Ion Ratio Lower Upper

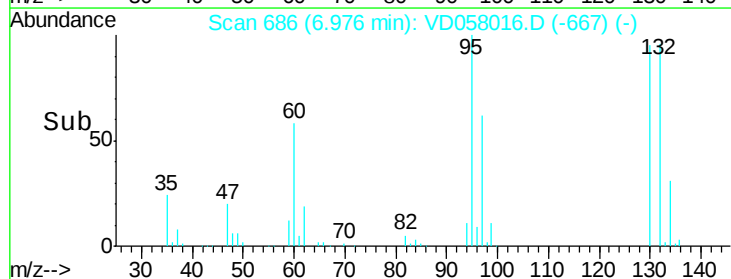
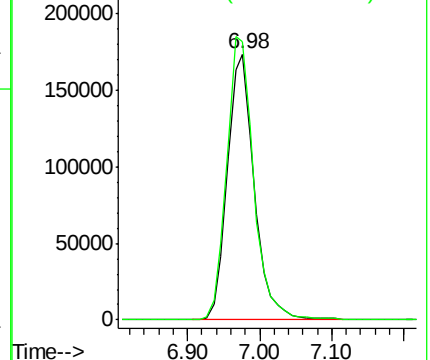
130 100

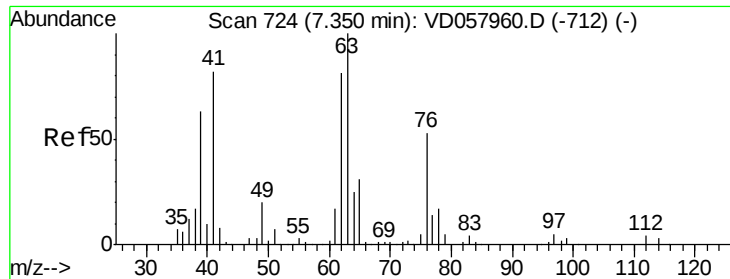
95 104.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

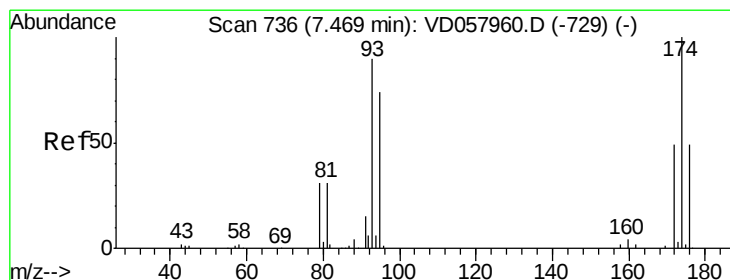
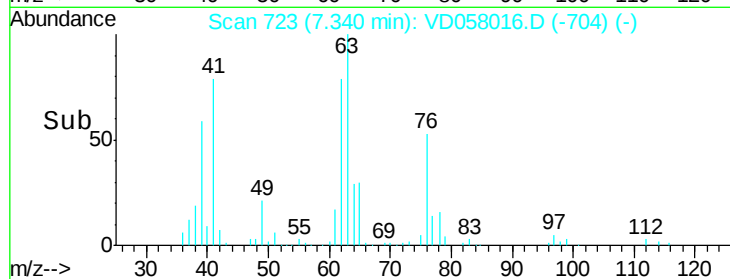
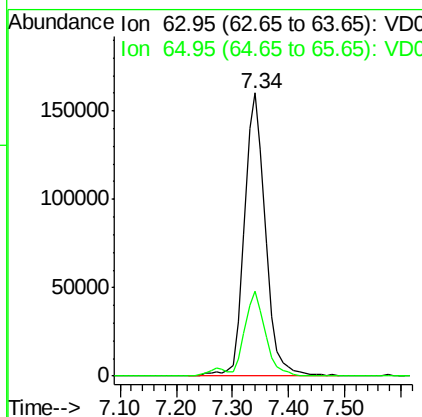
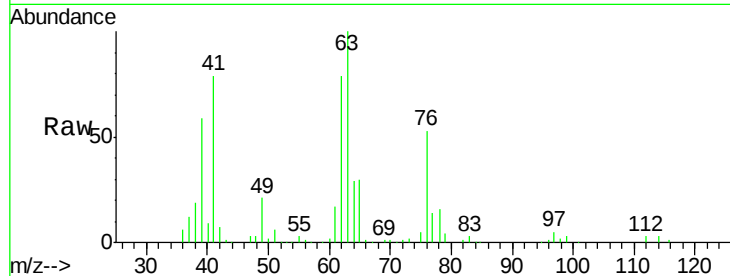




#45
 1,2-Dichloropropane
 Concen: 52.333 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

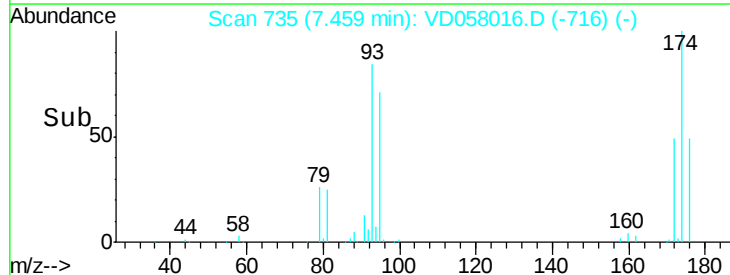
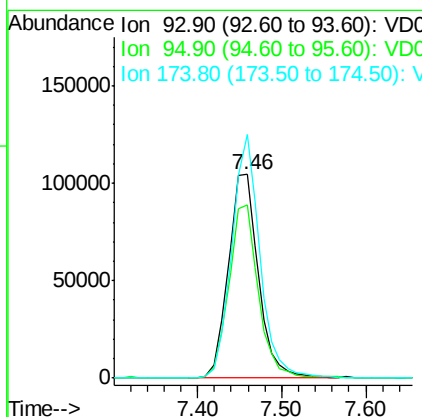
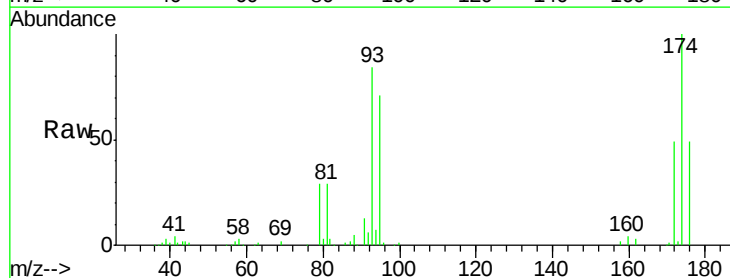
Instrument :
 MSVOA_D
 ClientSampleId :

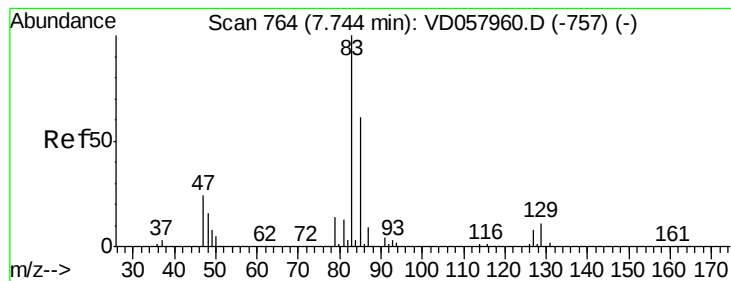
Tot Ion: 63 Resp: 415897
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3



#46
 Dibromomethane
 Concen: 50.947 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 93 Resp: 260095
 Ion Ratio Lower Upper
 93 100
 95 85.3 65.7 98.5
 174 119.6 89.0 133.4





#47

Bromodichloromethane

Concen: 52.358 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

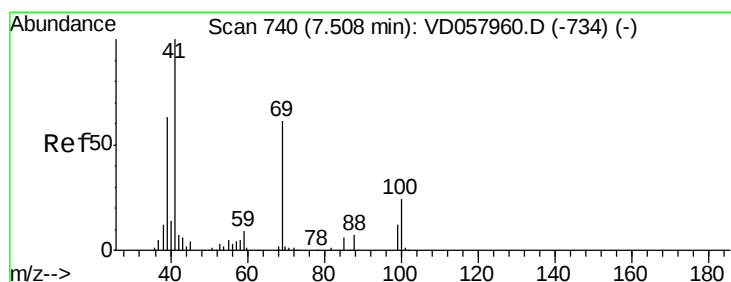
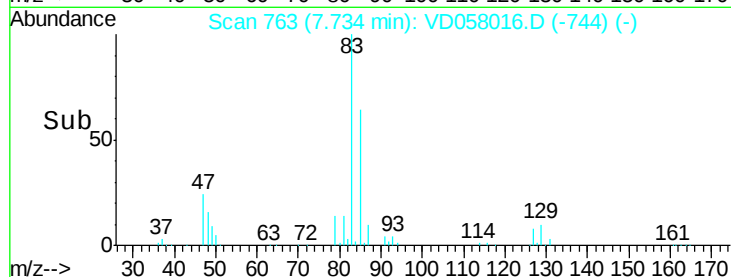
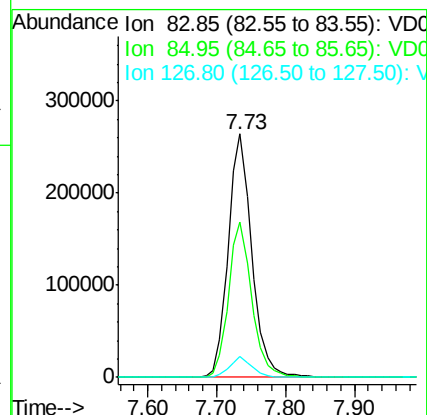
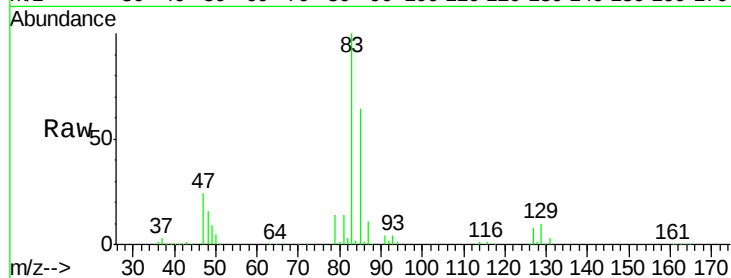
Tot Ion: 83 Resp: 625857

Ion Ratio Lower Upper

83 100

85 63.9 49.1 73.7

127 8.4 6.2 9.2



#48

Methyl methacrylate

Concen: 53.848 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

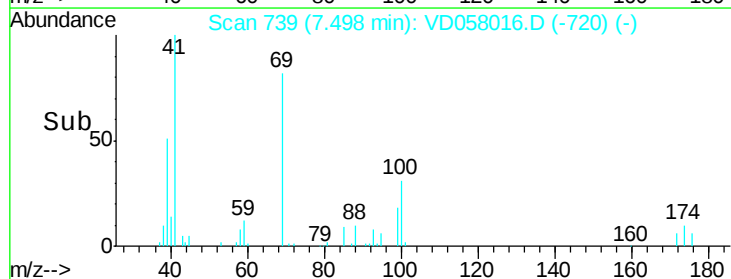
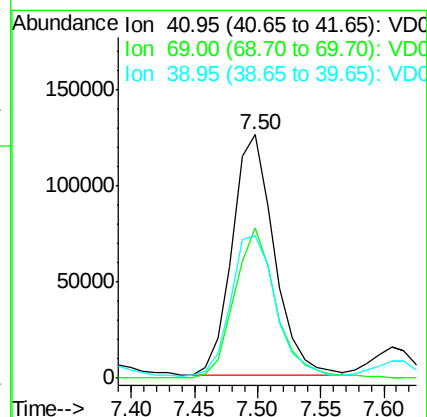
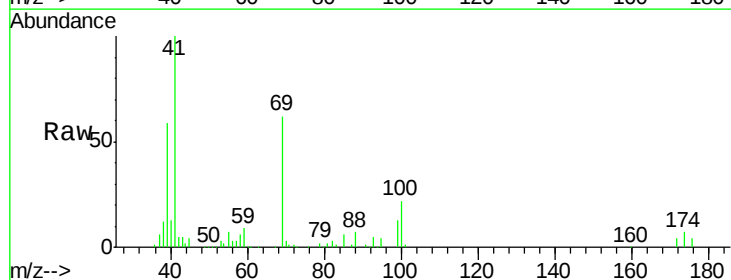
Tgt Ion: 41 Resp: 289941

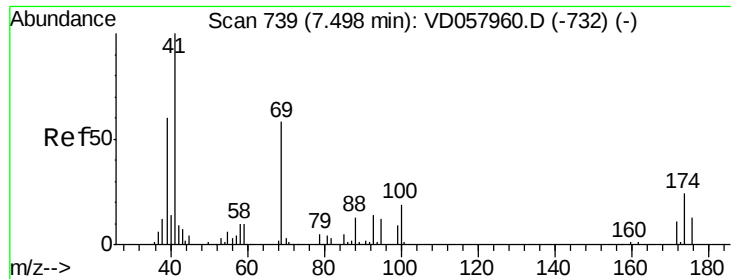
Ion Ratio Lower Upper

41 100

69 61.8 48.0 72.0

39 58.6 50.7 76.1





#49

1,4-Dioxane

Concen: 1082.145 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

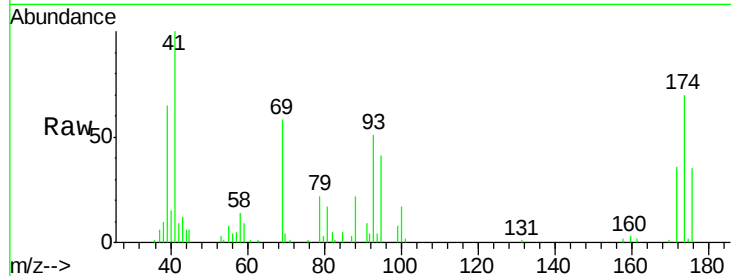
Tot Ion: 88 Resp: 48270

Ion Ratio Lower Upper

88 100

43 53.1 46.6 69.8

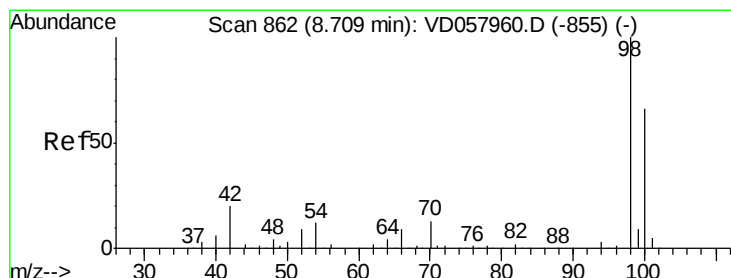
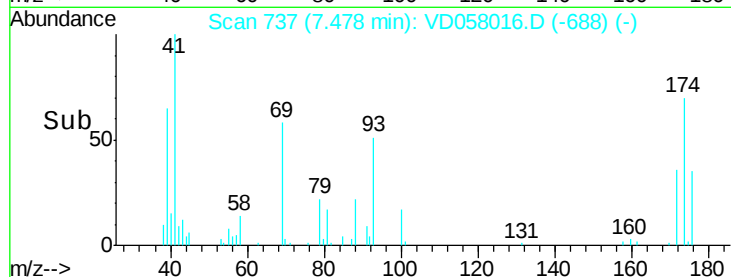
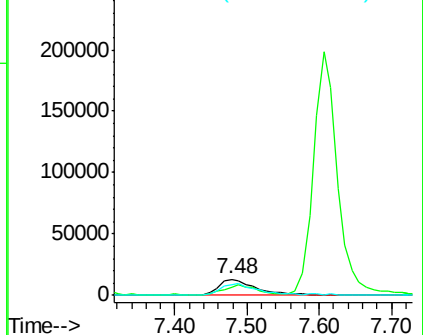
58 64.6 63.6 95.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1082.145 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058016.D

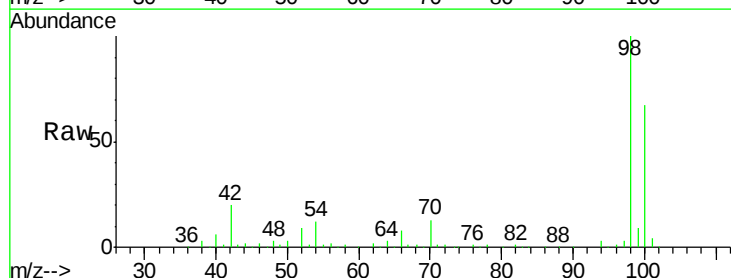
Acq: 8 Jun 2018 14:24

Tgt Ion: 98 Resp: 979330

Ion Ratio Lower Upper

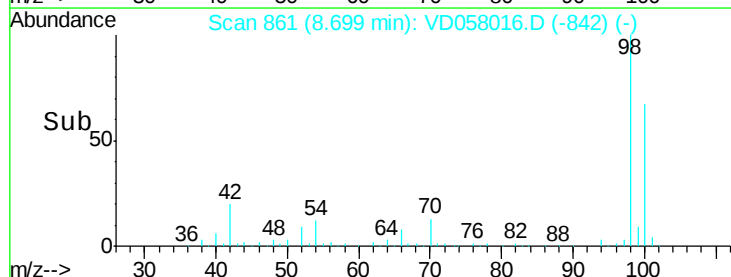
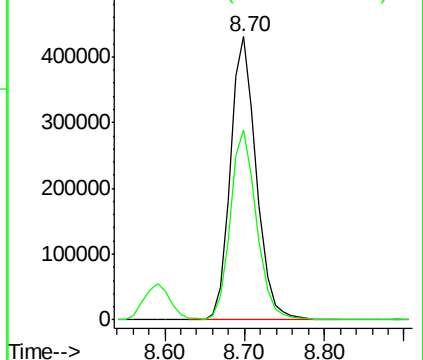
98 100

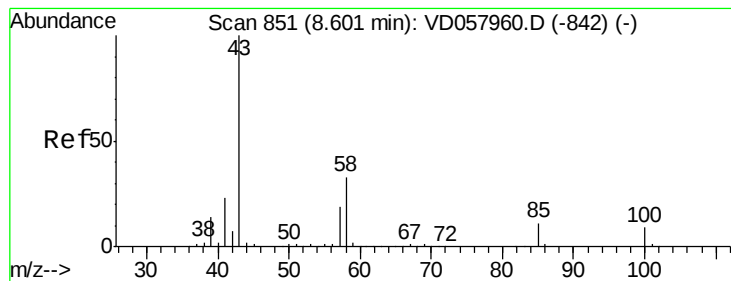
100 67.2 53.4 80.0



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: 271.895 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

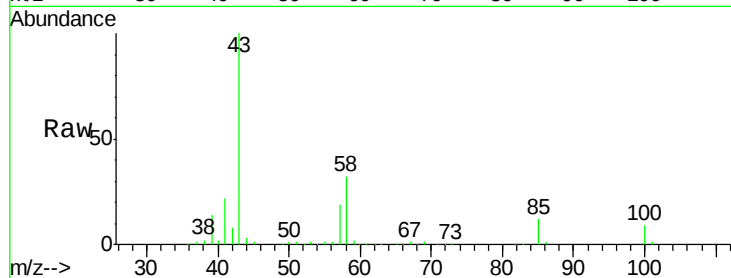
ClientSampleId :

Tot Ion: 43 Resp: 1525650

Ion Ratio Lower Upper

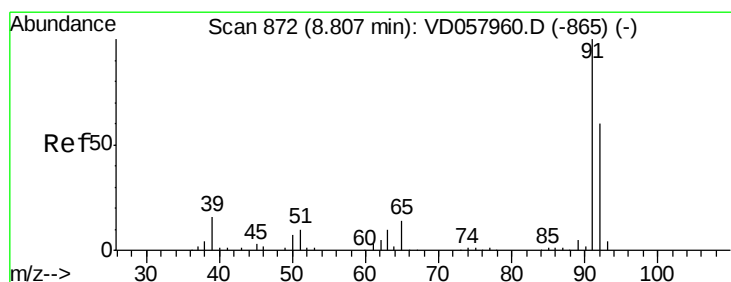
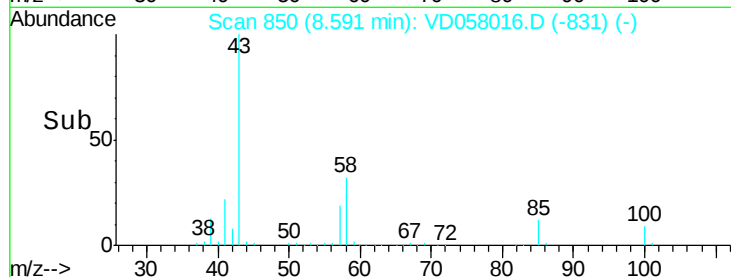
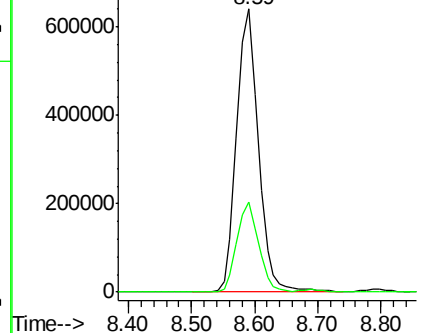
43 100

58 31.9 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.386 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058016.D

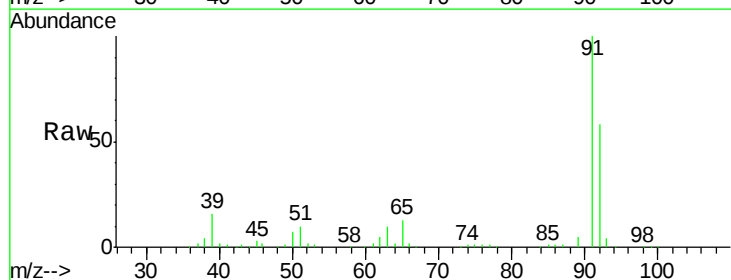
Acq: 8 Jun 2018 14:24

Tgt Ion: 92 Resp: 777610

Ion Ratio Lower Upper

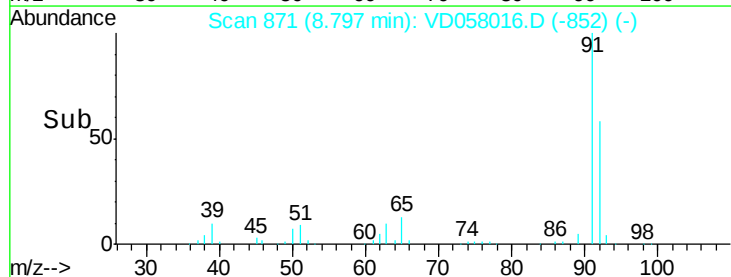
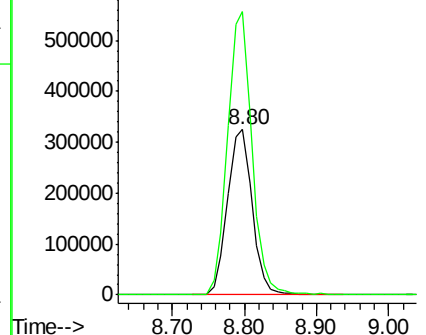
92 100

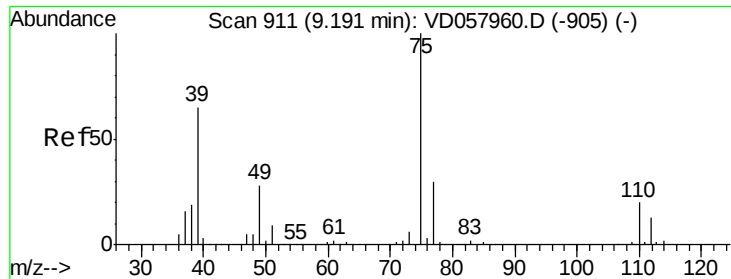
91 171.5 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

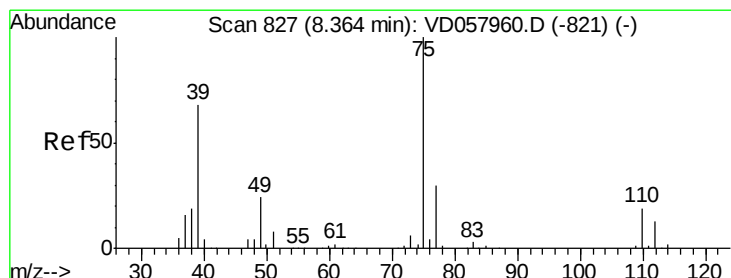
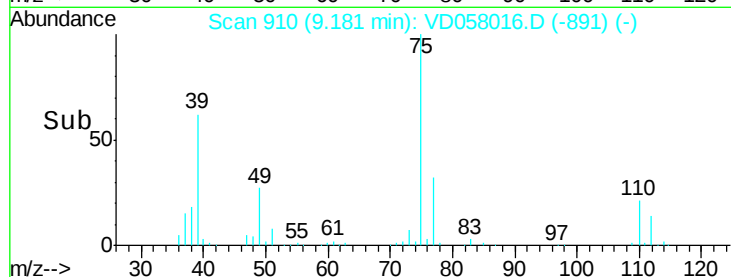
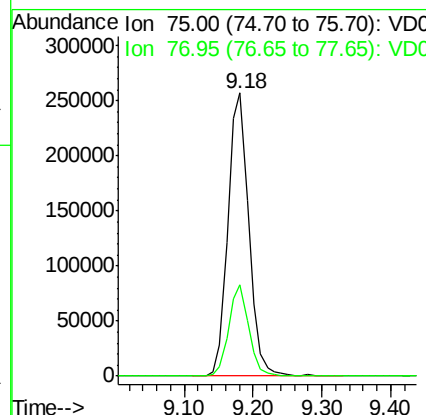
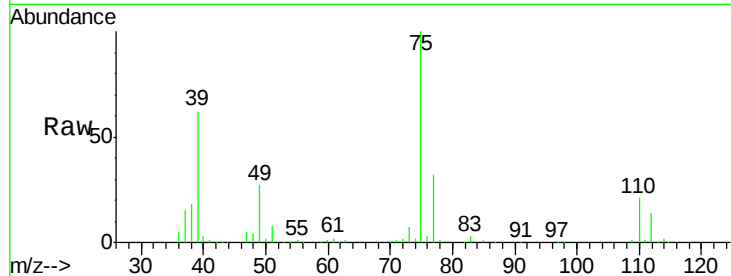




#53
 t-1,3-Dichloropropene
 Concen: 52.222 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

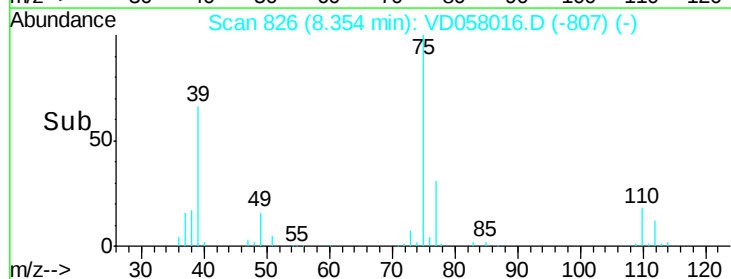
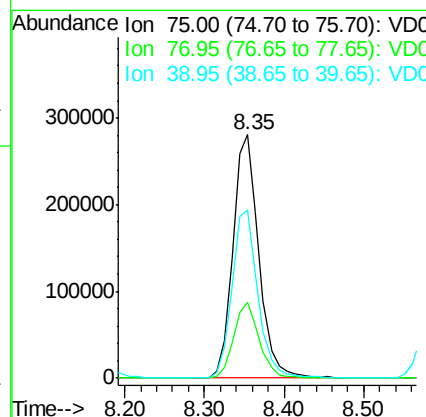
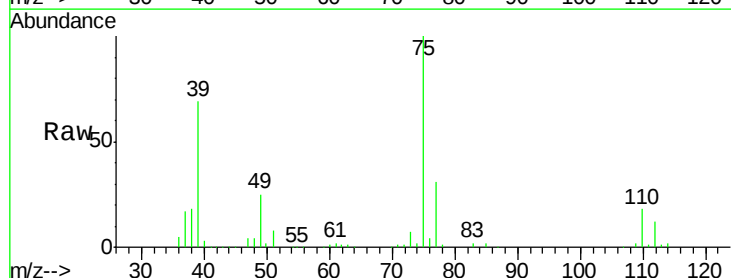
Instrument :
 MSVOA_D
 ClientSampled :

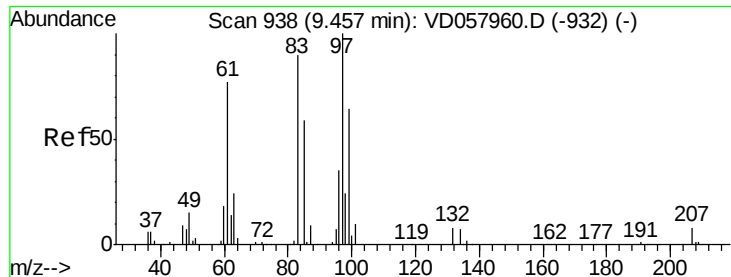
Tot Ion: 75 Resp: 537806
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 52.460 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 75 Resp: 636485
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.1 36.1
 39 69.0 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 48.979 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 260128

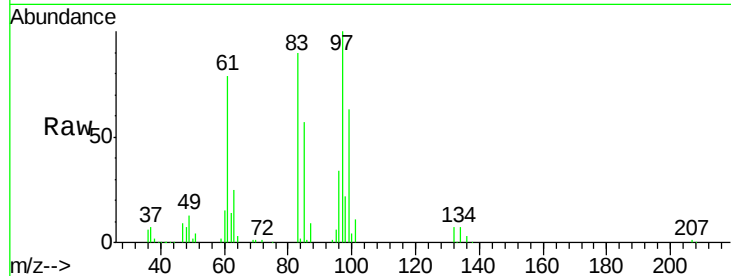
Ion Ratio Lower Upper

97 100

83 90.3 71.8 107.8

85 57.3 47.2 70.8

99 63.4 51.4 77.0

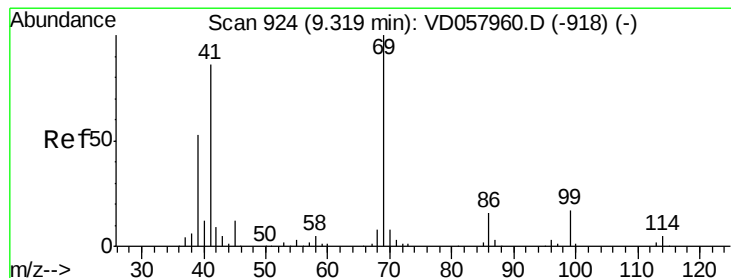
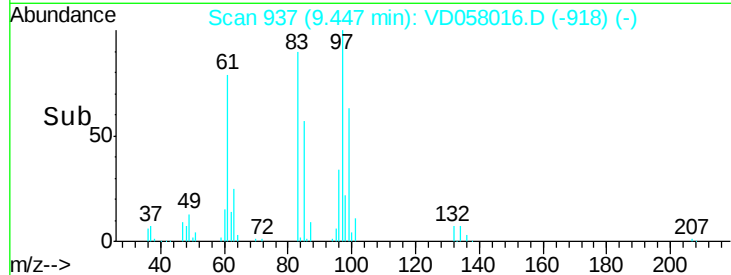
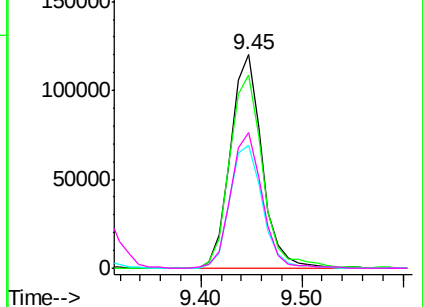


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.114 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

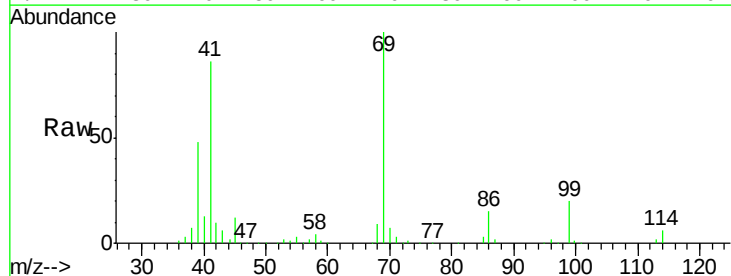
Tgt Ion: 69 Resp: 332998

Ion Ratio Lower Upper

69 100

41 86.4 68.4 102.6

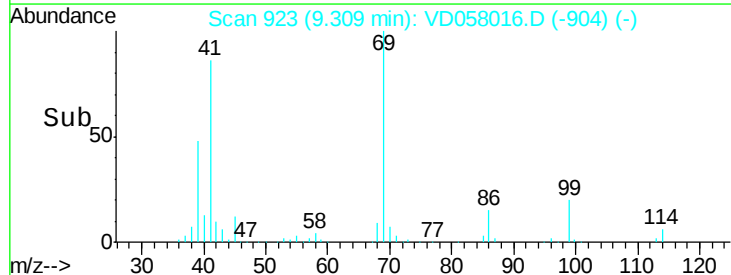
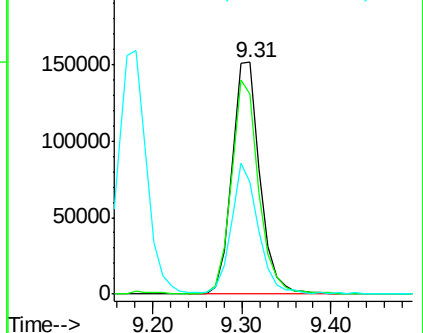
39 48.5 43.0 64.4

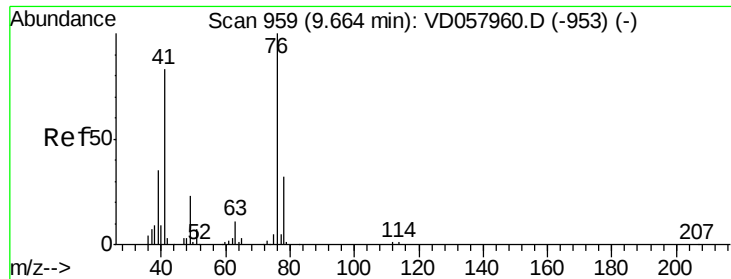


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.429 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

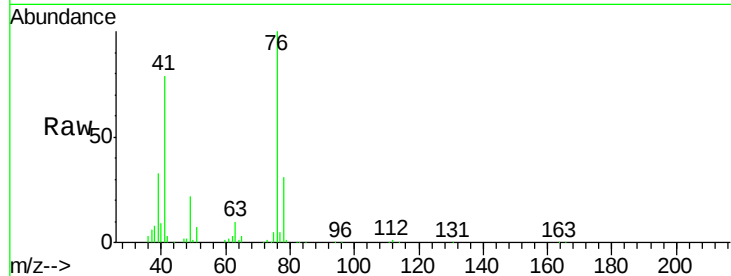
ClientSampled :

Tot Ion: 76 Resp: 479061

Ion Ratio Lower Upper

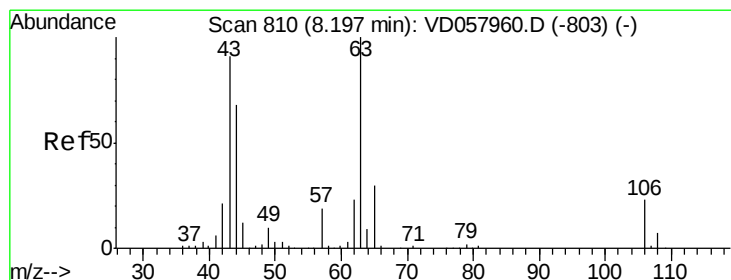
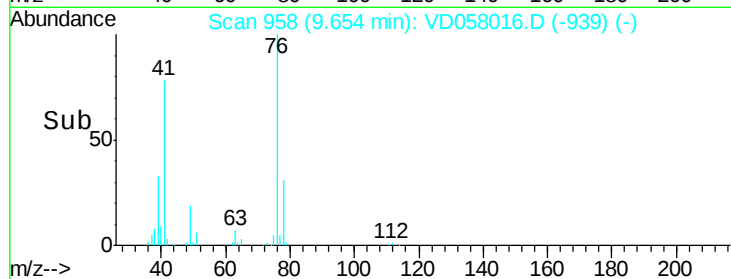
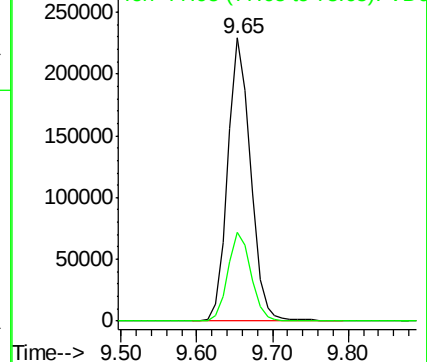
76 100

78 31.4 25.4 38.2



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: 247.290 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058016.D

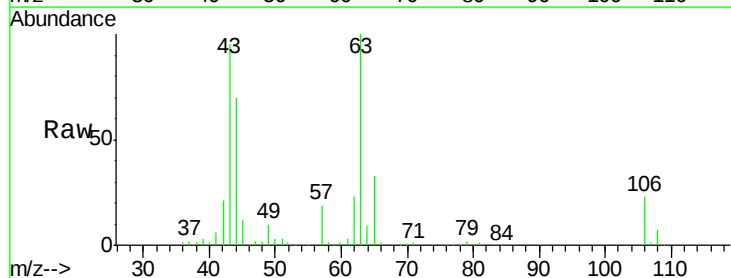
Acq: 8 Jun 2018 14:24

Tgt Ion: 63 Resp: 813948

Ion Ratio Lower Upper

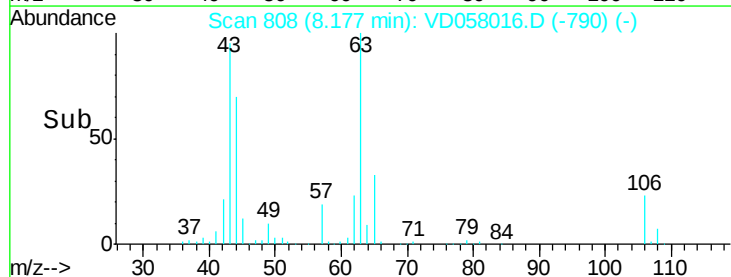
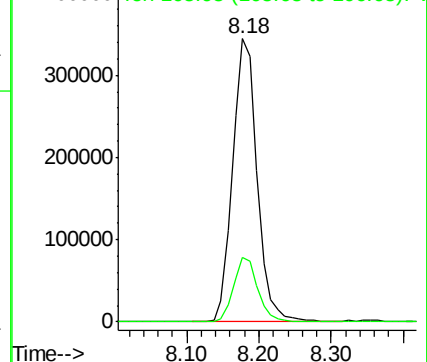
63 100

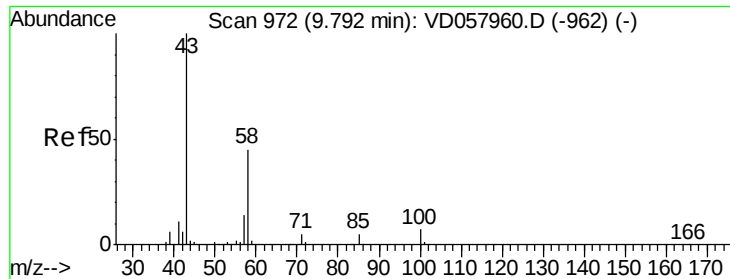
106 23.0 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

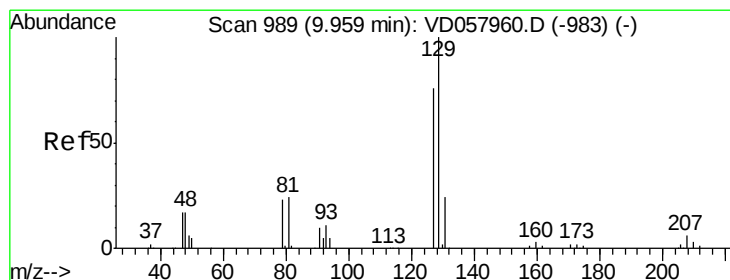
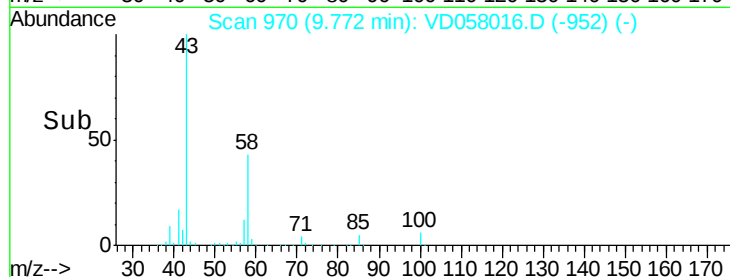
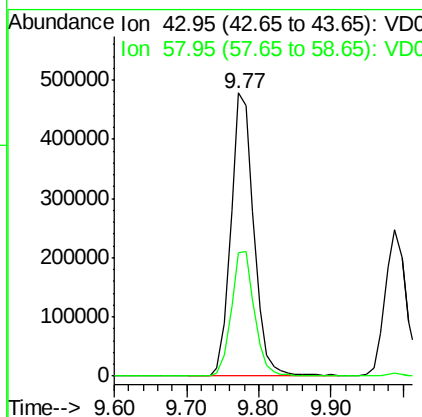
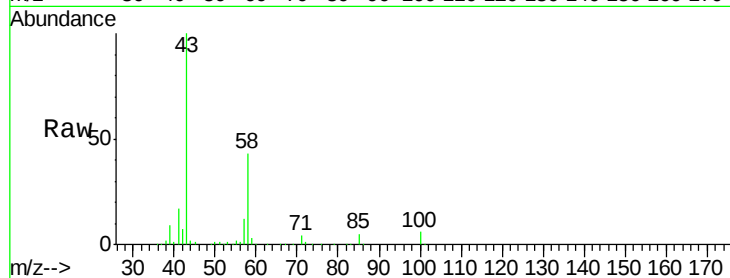




#59
2-Hexanone
Concen: 257.392 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

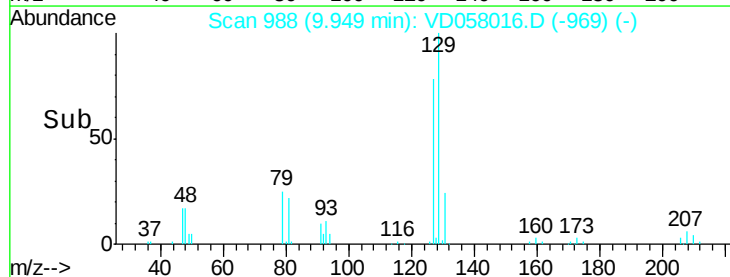
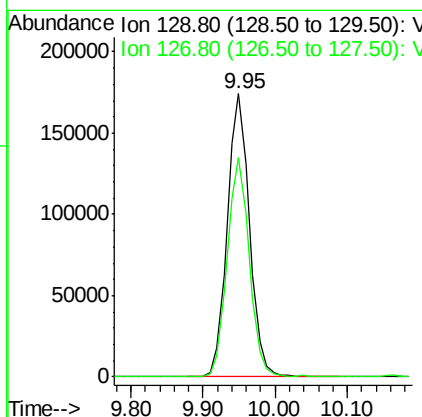
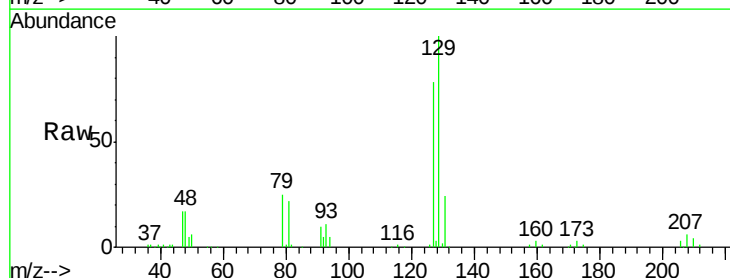
Instrument :
MSVOA_D
ClientSampled :

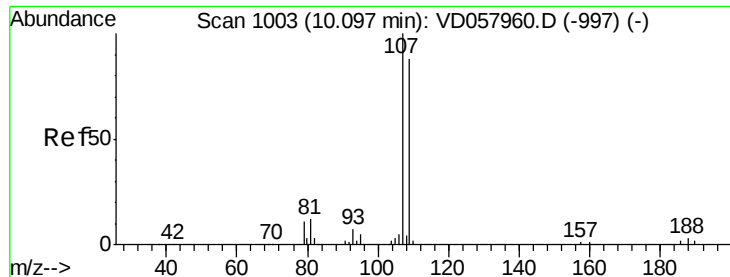
Tot Ion: 43 Resp: 1058417
Ion Ratio Lower Upper
43 100
58 43.4 22.5 67.5



#60
Dibromochloromethane
Concen: 49.729 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 129 Resp: 372439
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.586 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

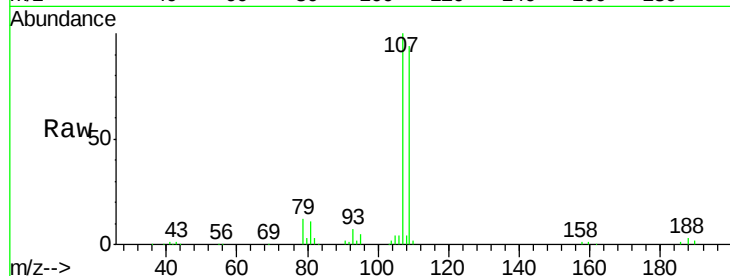
ClientSampleId :

Tot Ion:107 Resp: 296748

Ion Ratio Lower Upper

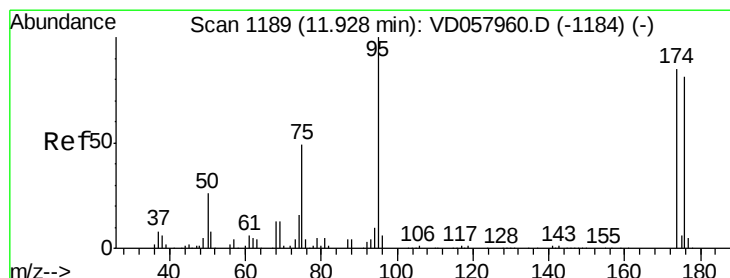
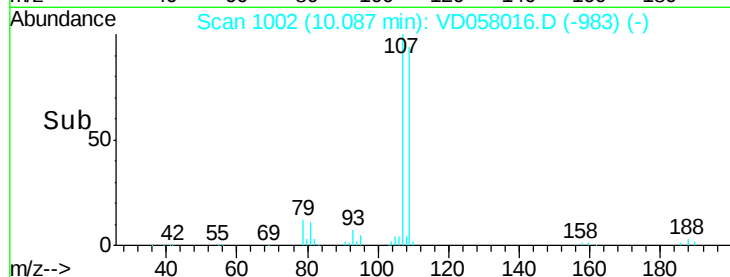
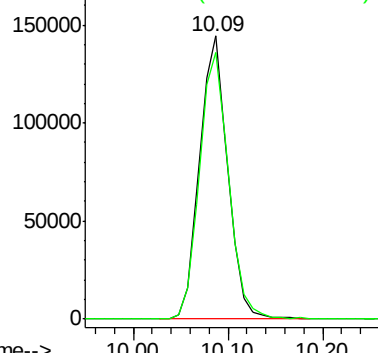
107 100

109 94.1 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 48.586 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

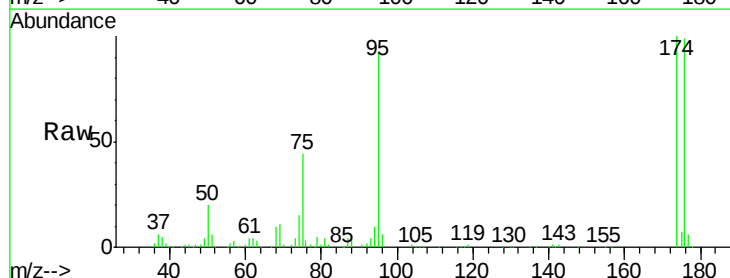
Tgt Ion: 95 Resp: 314301

Ion Ratio Lower Upper

95 100

174 109.0 0.0 169.4

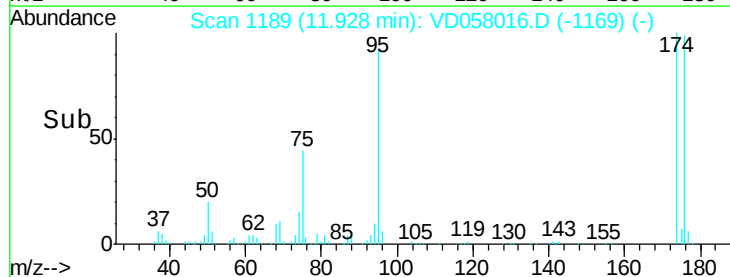
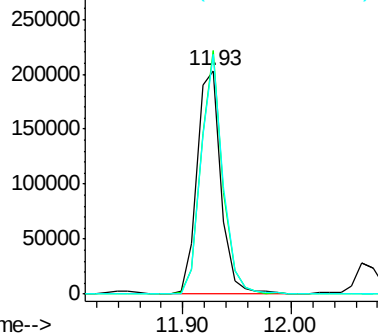
176 107.4 0.0 162.6

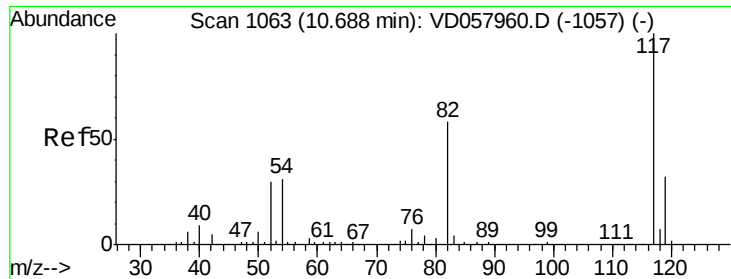


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

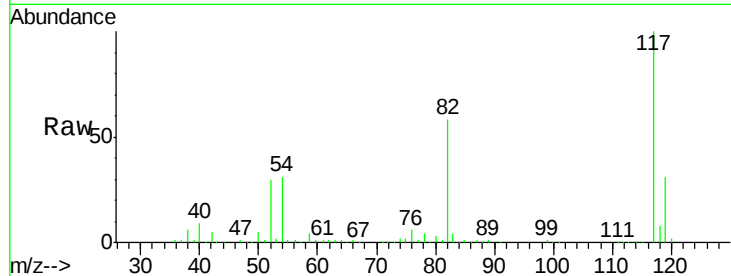




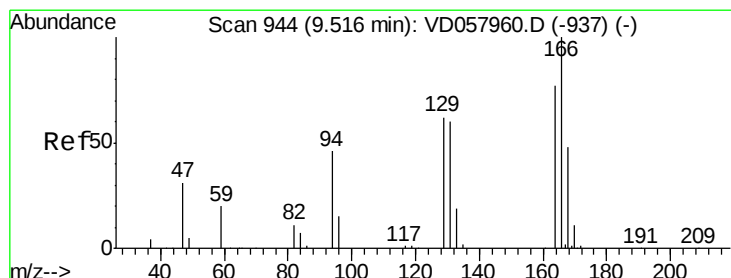
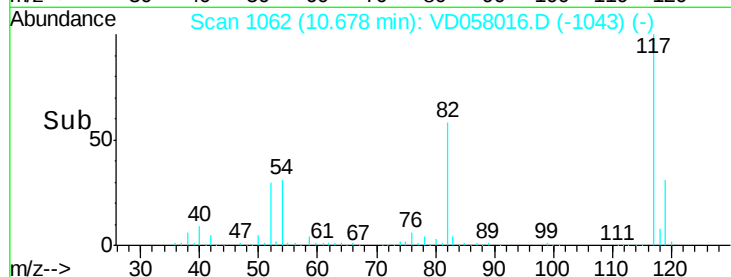
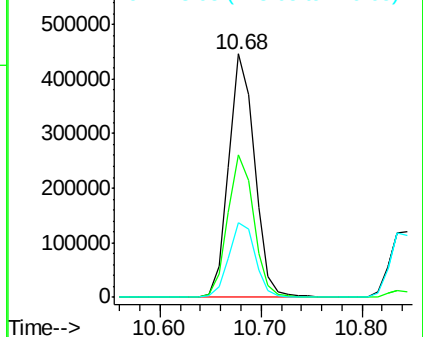
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 794050
Ion Ratio Lower Upper
117 100
82 58.4 46.8 70.2
119 30.7 25.8 38.6

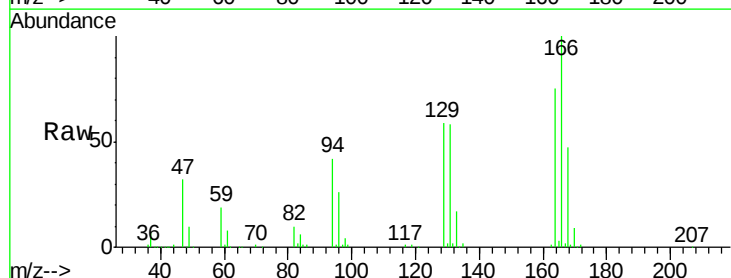


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

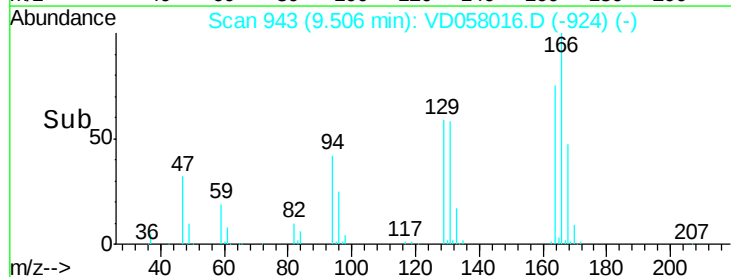
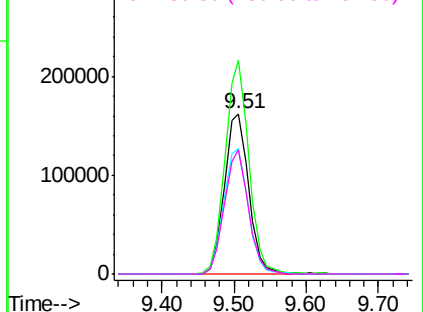


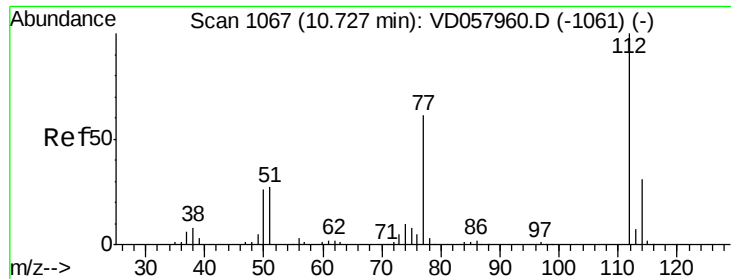
#64
Tetrachloroethene
Concen: 53.265 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:164 Resp: 378115
Ion Ratio Lower Upper
164 100
166 133.2 104.4 156.6
129 78.2 65.0 97.6
131 77.4 62.9 94.3



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

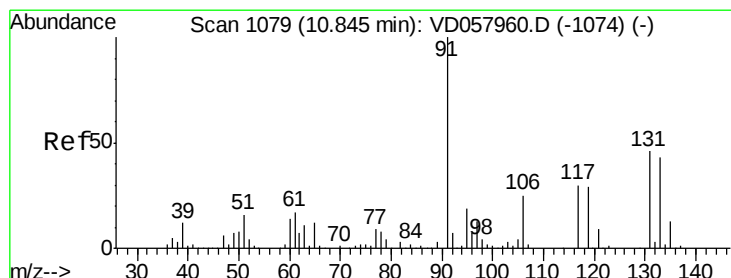
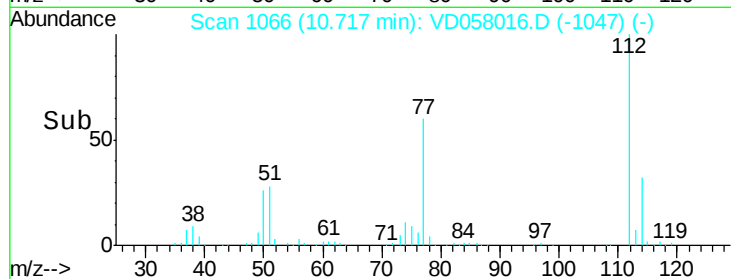
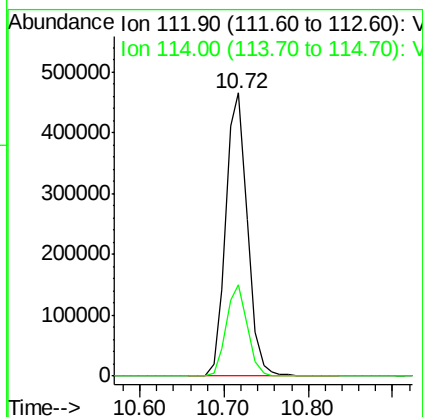
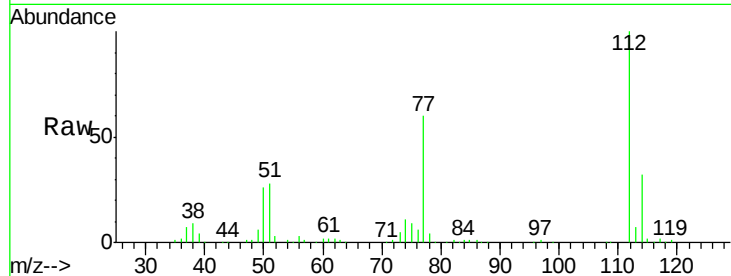




#65
Chlorobenzene
Concen: 51.658 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

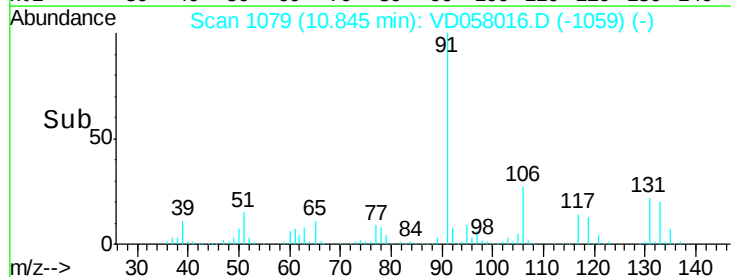
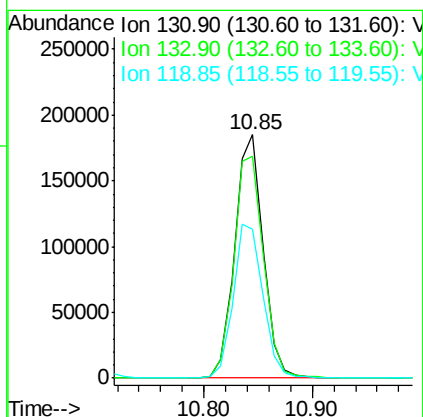
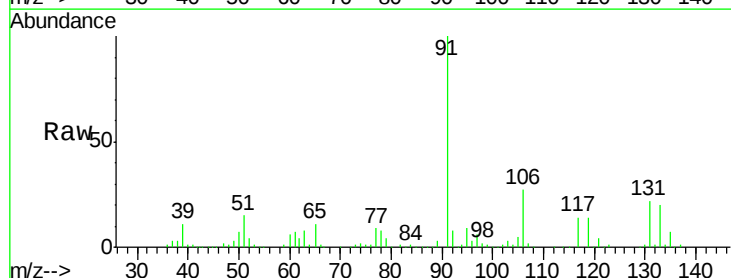
Instrument :
MSVOA_D
ClientSampleId :

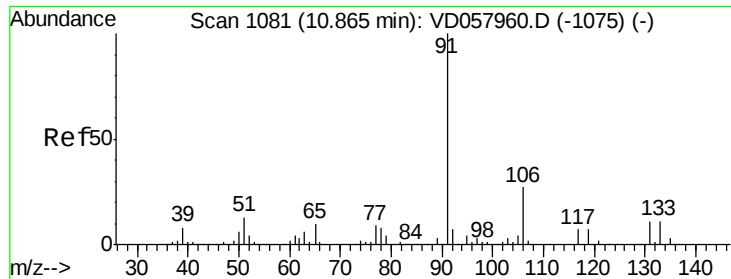
Tot Ion:112 Resp: 830405
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.689 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:131 Resp: 337760
Ion Ratio Lower Upper
131 100
133 91.3 46.9 140.6
119 61.1 31.8 95.3

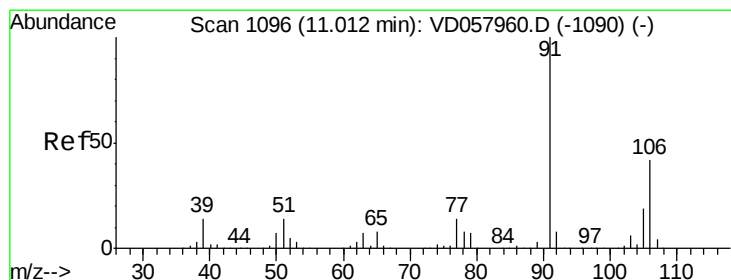
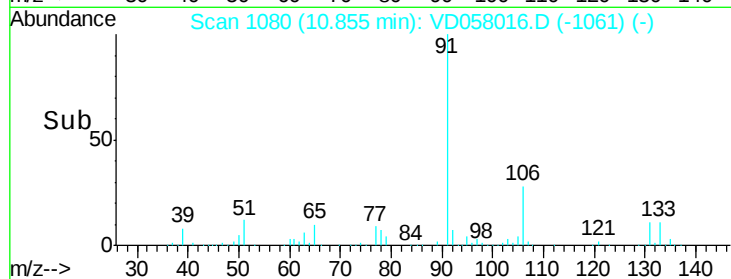
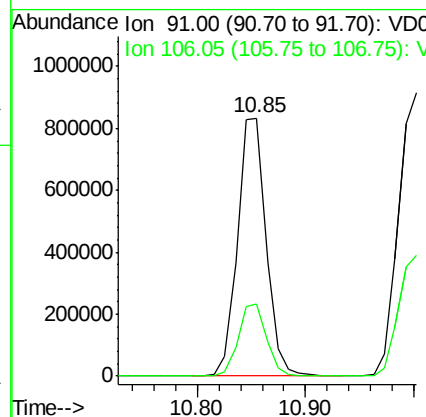
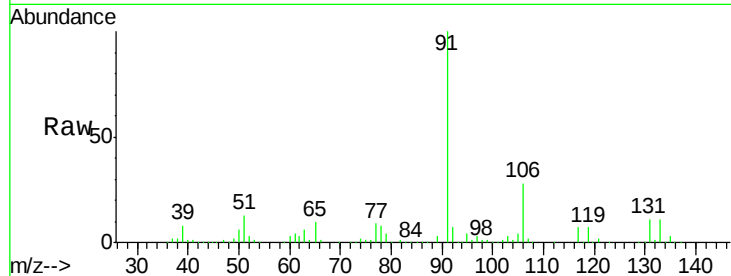




#67
Ethyl Benzene
Concen: 52.709 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

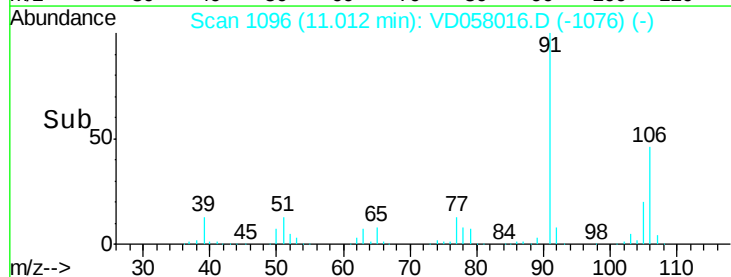
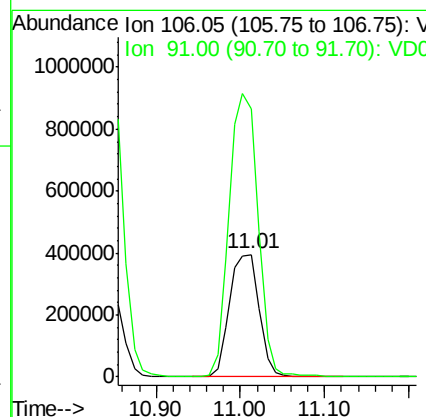
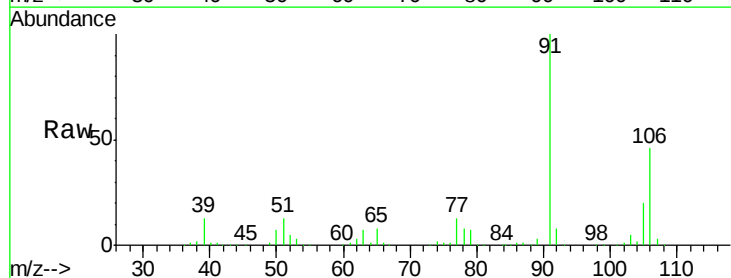
Instrument :
MSVOA_D
ClientSampleID :

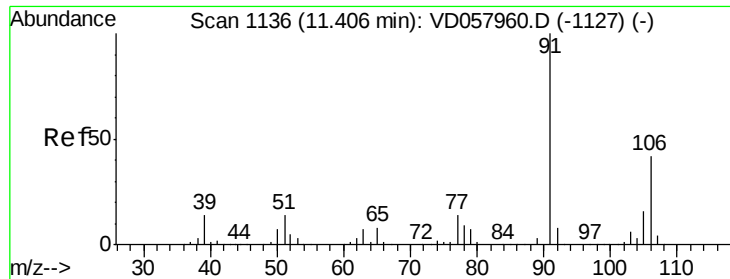
Tot Ion: 91 Resp: 1530752
Ion Ratio Lower Upper
91 100
106 27.8 21.5 32.3



#68
m/p-Xylenes
Concen: 101.780 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 106 Resp: 963604
Ion Ratio Lower Upper
106 100
91 218.8 190.4 285.6

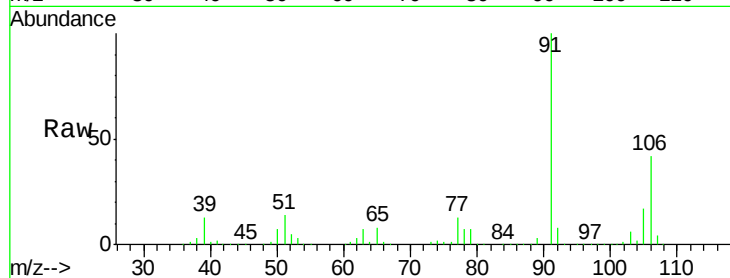




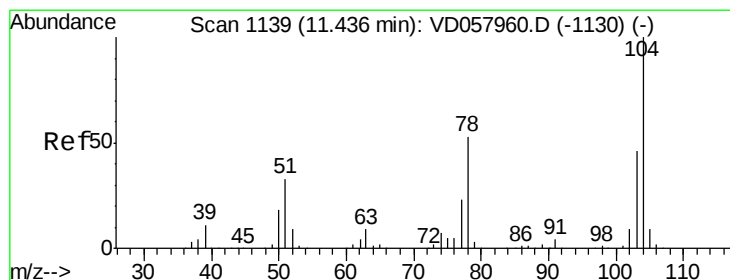
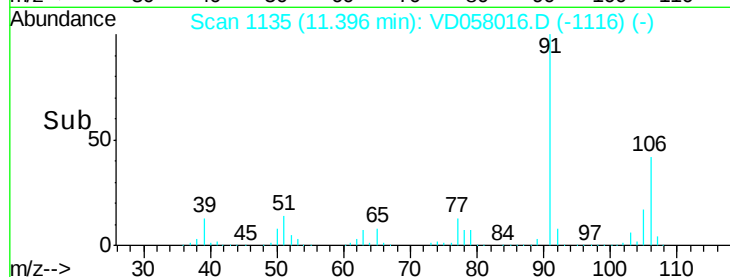
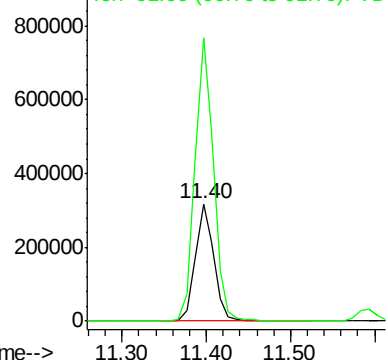
#69
o-Xylene
Concen: 51.018 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 479440
Ion Ratio Lower Upper
106 100
91 240.9 120.6 361.7

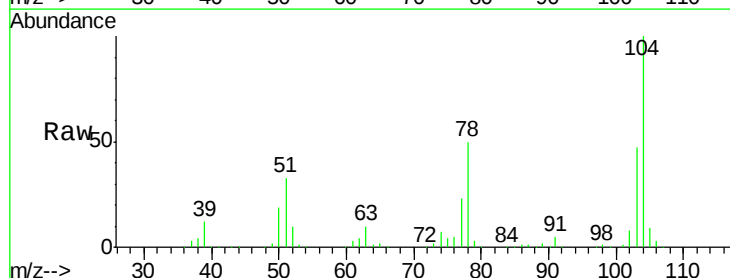


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

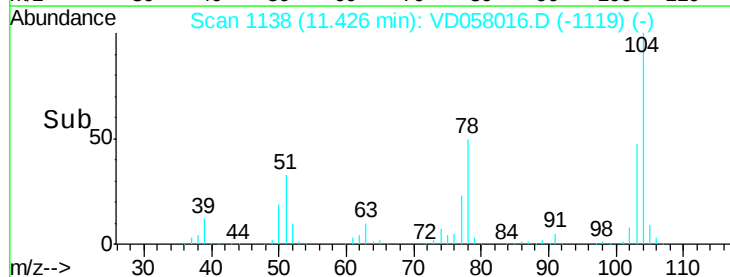
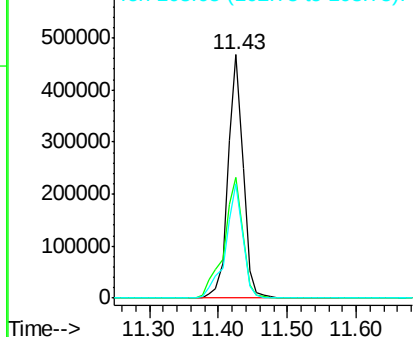


#70
Styrene
Concen: 45.228 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:104 Resp: 703613
Ion Ratio Lower Upper
104 100
78 49.7 42.1 63.1
103 47.0 37.0 55.6



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

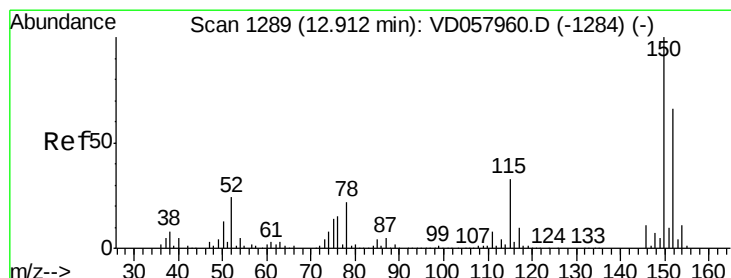
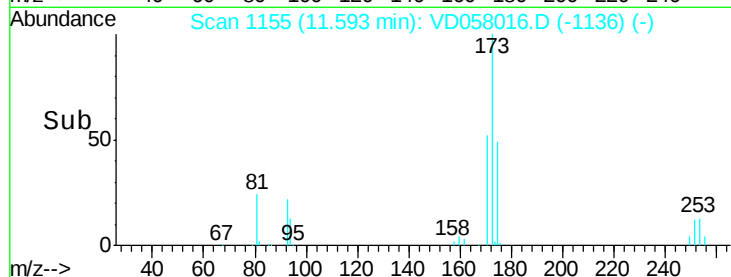
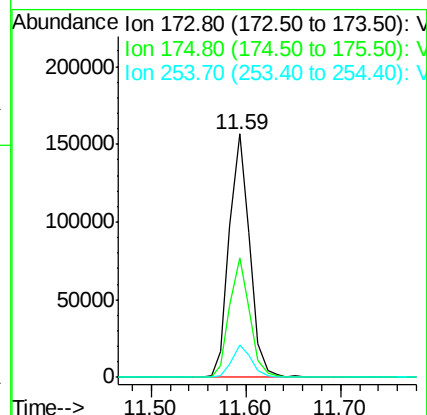
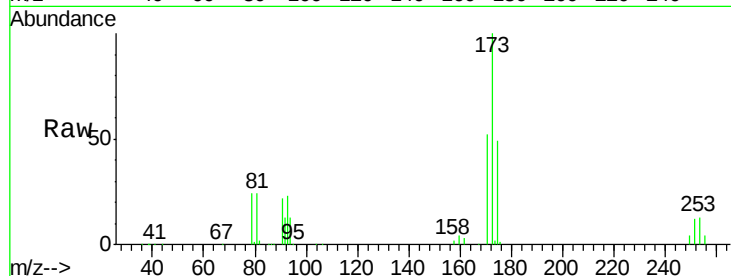




#71
Bromoform
Concen: 50.479 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

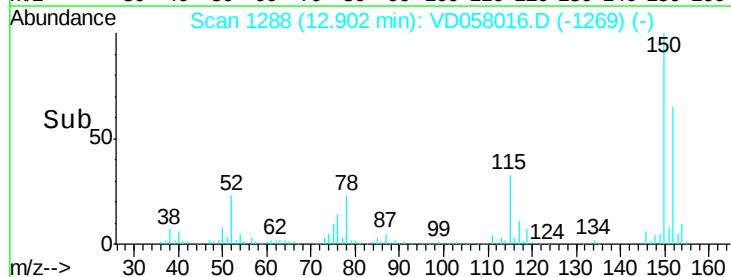
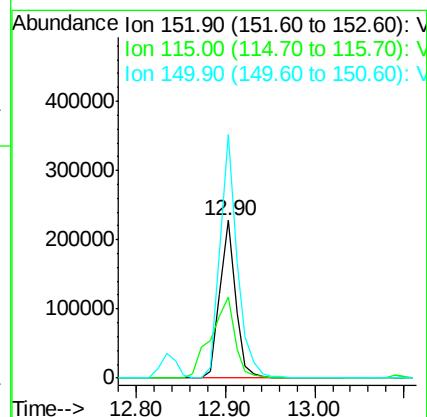
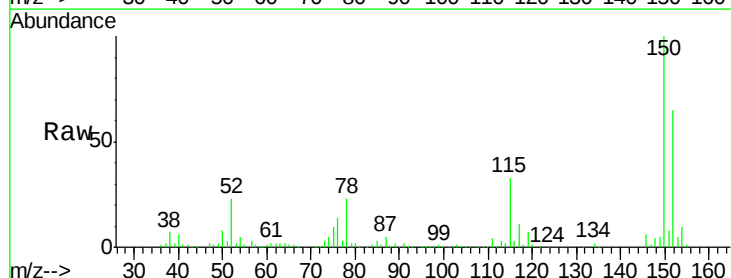
Instrument :
MSVOA_D
ClientSampleId :

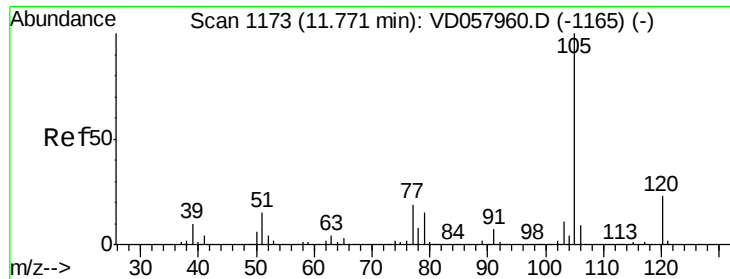
Tot Ion:173 Resp: 234527
Ion Ratio Lower Upper
173 100
175 49.0 25.1 75.2
254 13.3 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:152 Resp: 286028
Ion Ratio Lower Upper
152 100
115 51.2 25.6 76.6
150 154.5 0.0 306.8





#73

Isopropylbenzene

Concen: 72.244 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

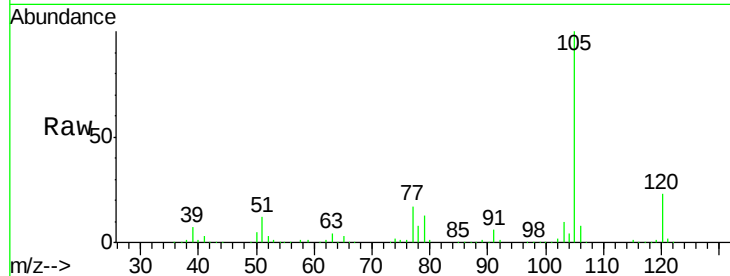
ClientSampleId :

Tot Ion:105 Resp: 1368669

Ion Ratio Lower Upper

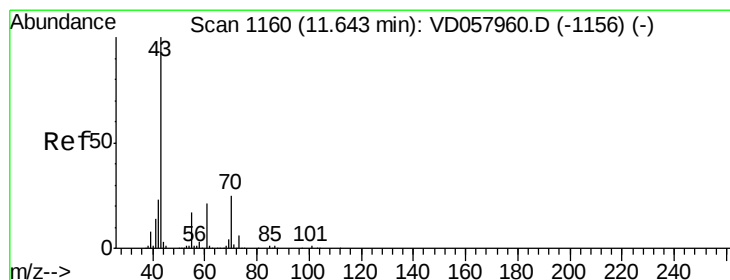
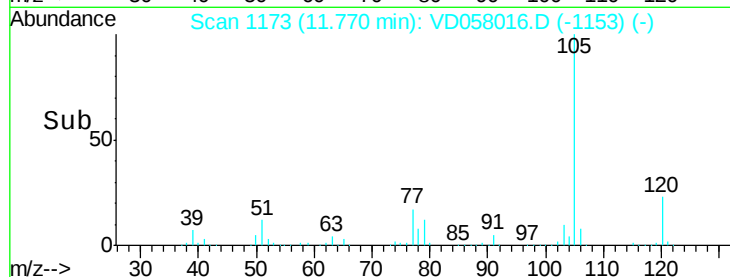
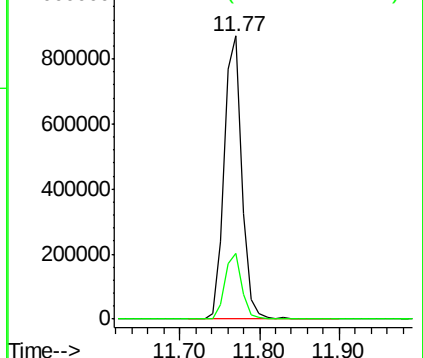
105 100

120 23.2 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 72.735 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Tgt Ion: 43 Resp: 531724

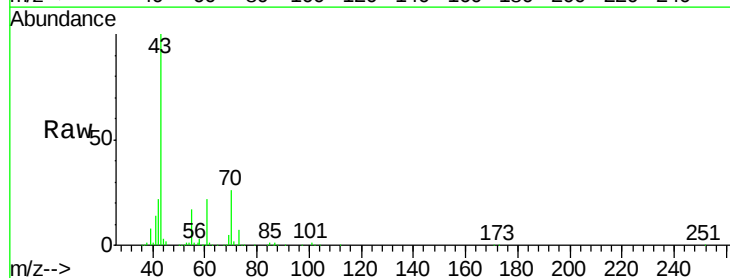
Ion Ratio Lower Upper

43 100

70 25.7 20.3 30.5

55 17.5 13.9 20.9

61 22.5 16.6 24.8

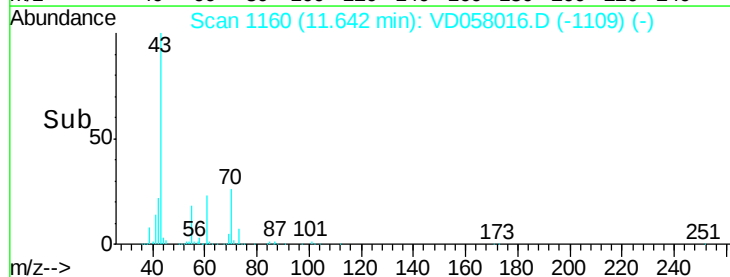
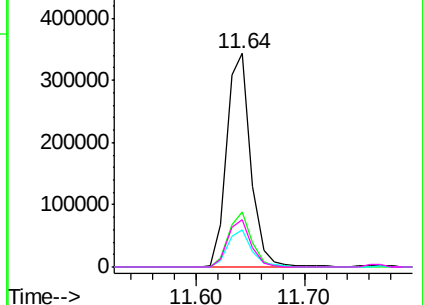


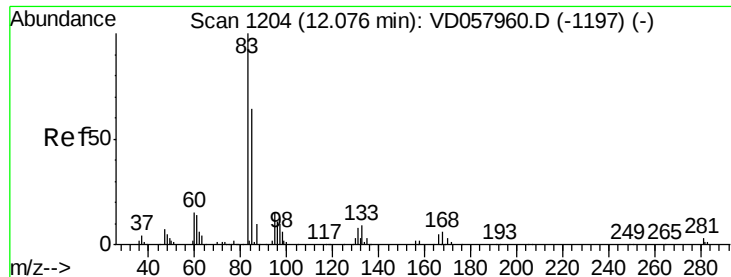
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 70.509 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

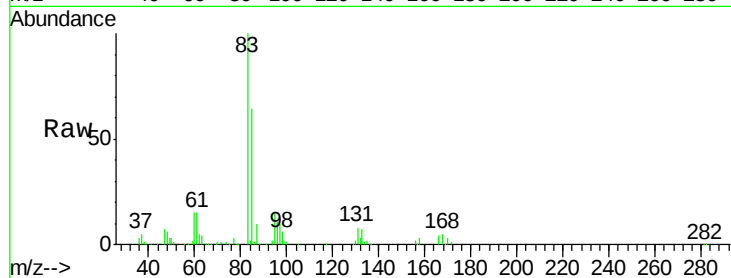
Tot Ion: 83 Resp: 291240

Ion Ratio Lower Upper

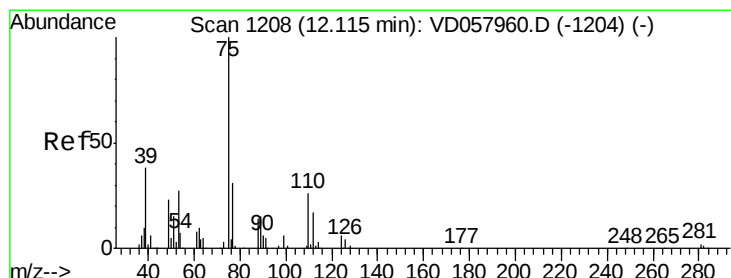
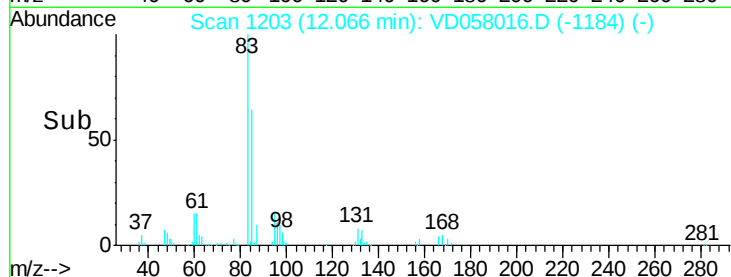
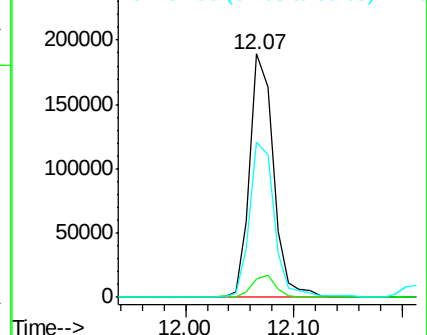
83 100

131 7.7 4.2 12.6

85 63.6 31.9 95.5



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: 73.637 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058016.D

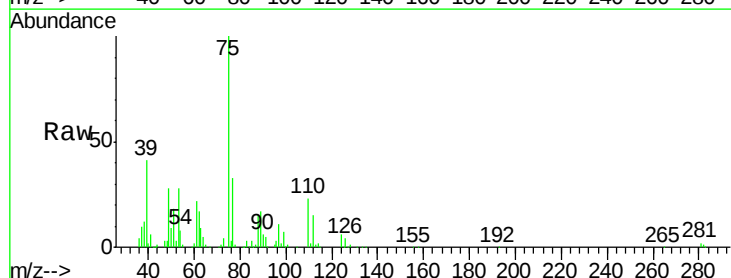
Acq: 8 Jun 2018 14:24

Tgt Ion: 75 Resp: 316385

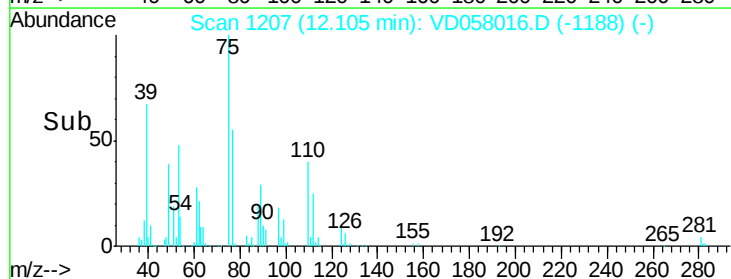
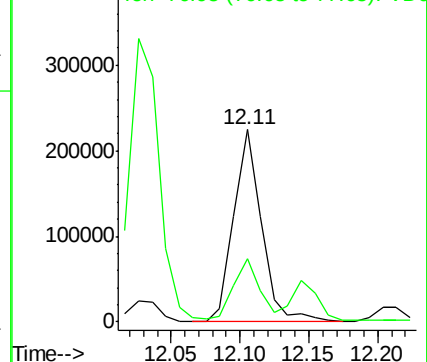
Ion Ratio Lower Upper

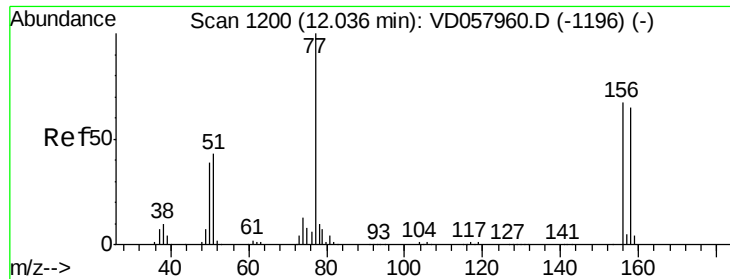
75 100

77 32.5 16.7 50.1



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

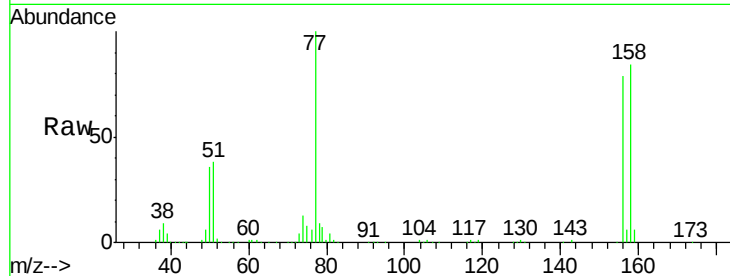




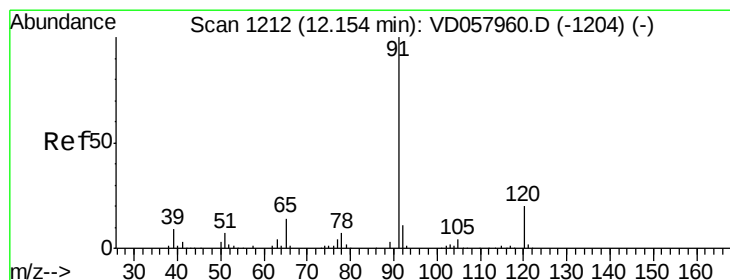
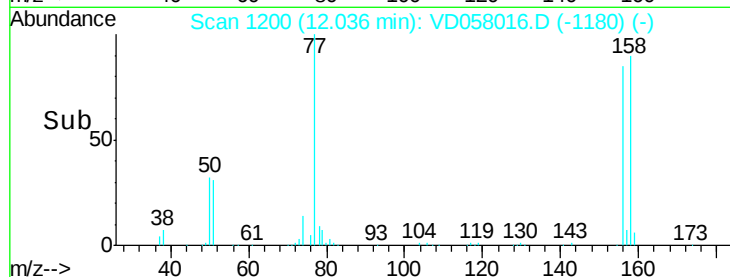
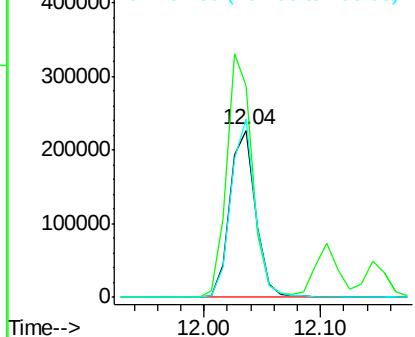
#77
Bromobenzene
Concen: 62.075 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 348107
Ion Ratio Lower Upper
156 100
77 126.1 75.0 224.8
158 106.3 48.6 145.9

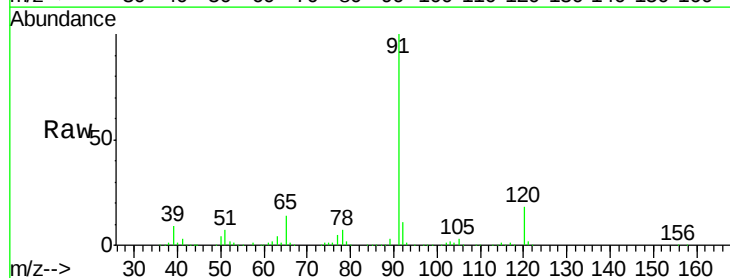


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

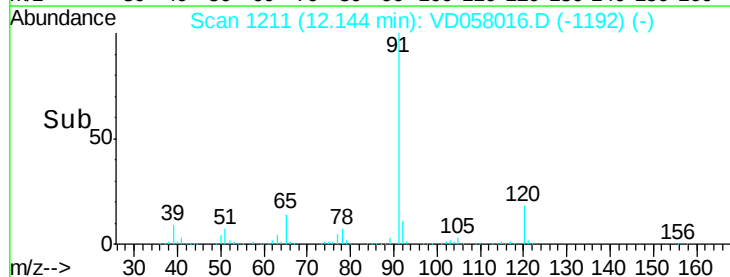
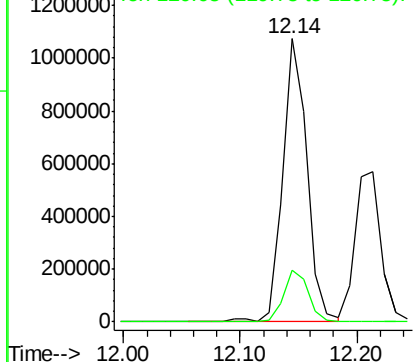


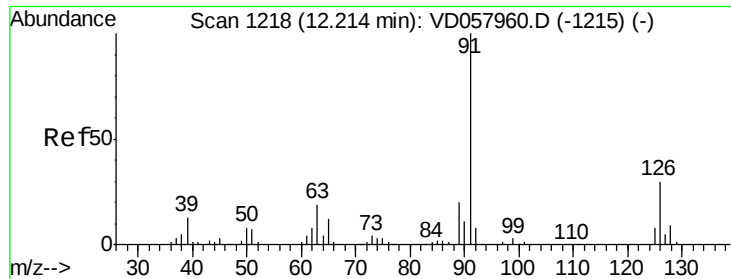
#78
n-propylbenzene
Concen: 62.563 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 91 Resp: 1542334
Ion Ratio Lower Upper
91 100
120 18.2 9.8 29.4



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

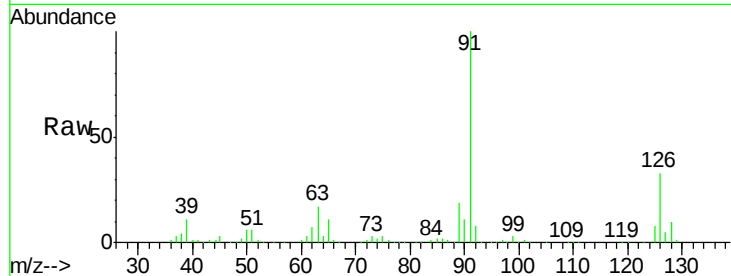




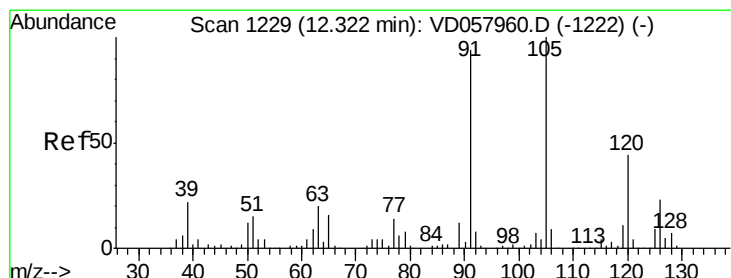
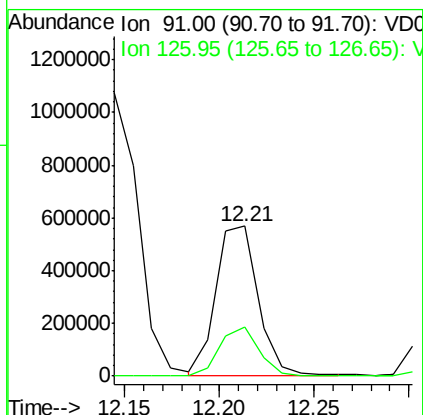
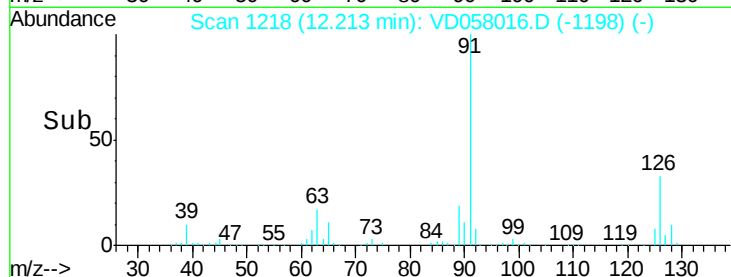
#79
 2-Chlorotoluene
 Concen: 62.158 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 874186
 Ion Ratio Lower Upper
 91 100
 126 32.6 14.6 44.0

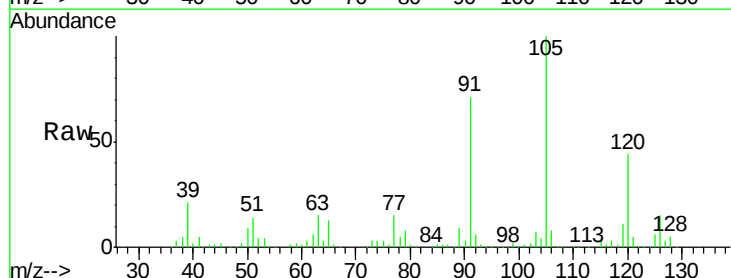


Abundance Ion 91.00 (90.70 to 91.70): VD057960.D (-1215) (-)
 Ion 125.95 (125.65 to 126.65): VD058016.D (-1198) (-)

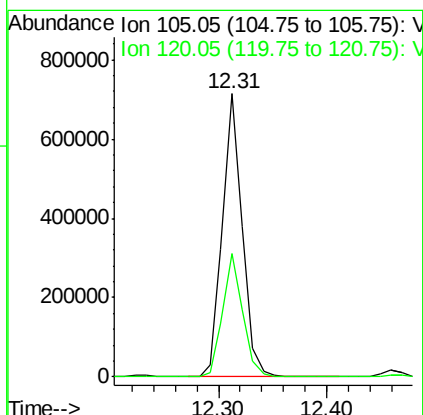
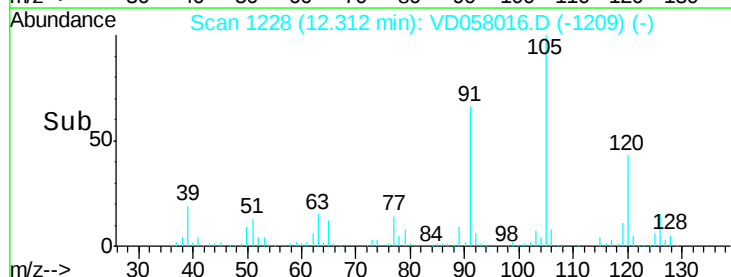


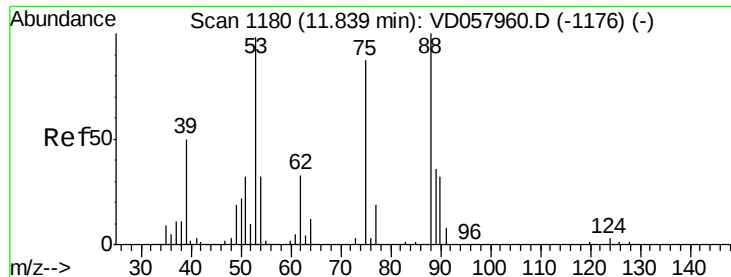
#80
 1,3,5-Trimethylbenzene
 Concen: 61.580 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 105 Resp: 909815
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): VD057960.D (-1222) (-)
 Ion 120.05 (119.75 to 120.75): VD058016.D (-1209) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 75.240 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

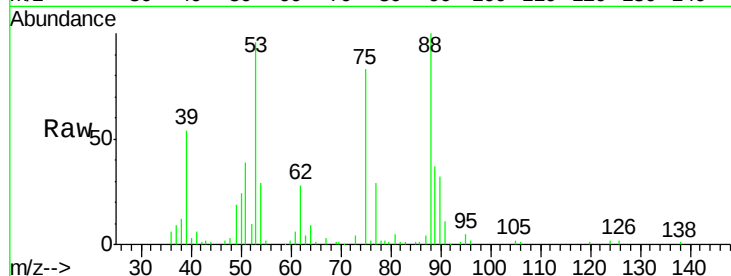
Tot Ion: 75 Resp: 80070

Ion Ratio Lower Upper

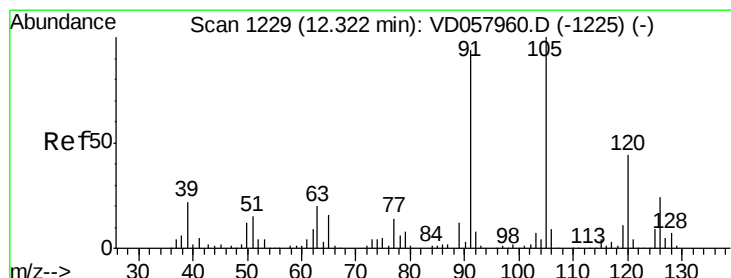
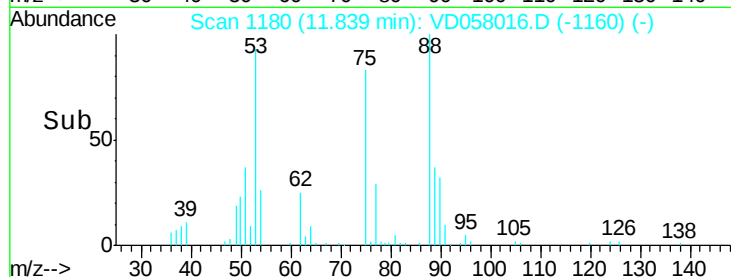
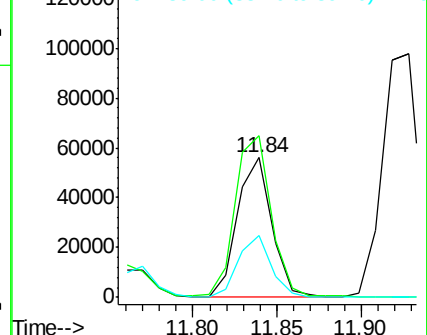
75 100

53 115.8 89.3 133.9

89 44.0 33.3 49.9



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



#82

4-Chlorotoluene

Concen: 67.956 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058016.D

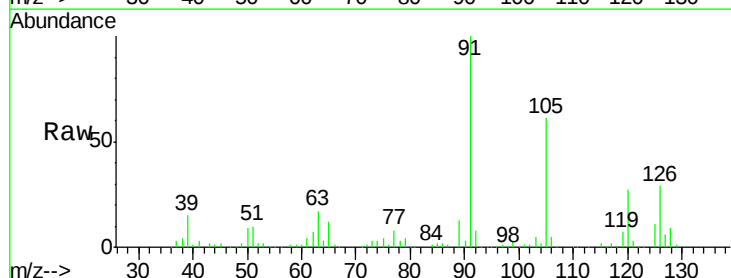
Acq: 8 Jun 2018 14:24

Tgt Ion: 91 Resp: 913842

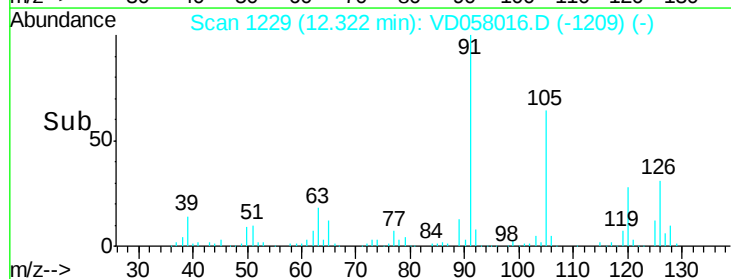
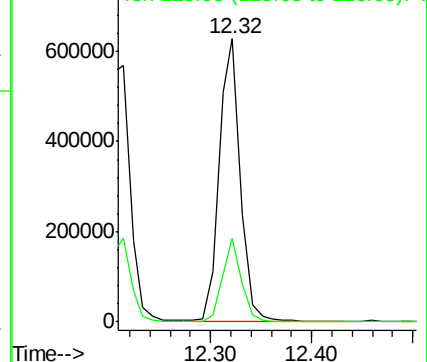
Ion Ratio Lower Upper

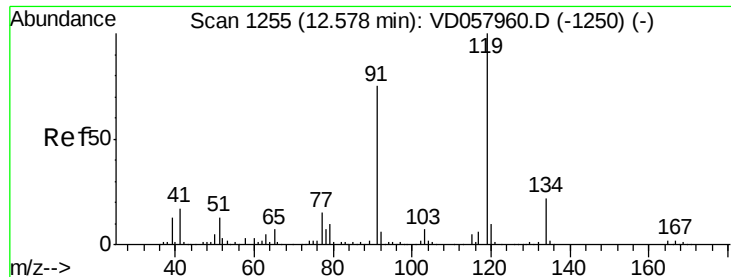
91 100

126 29.4 12.5 37.5



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

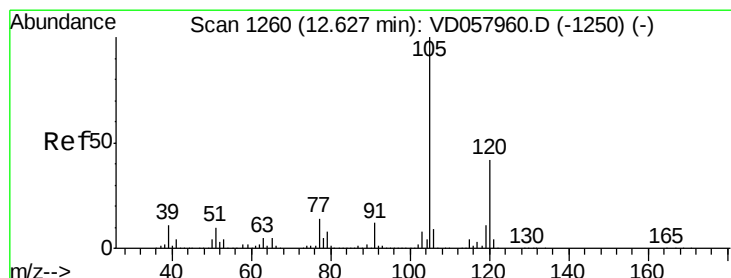
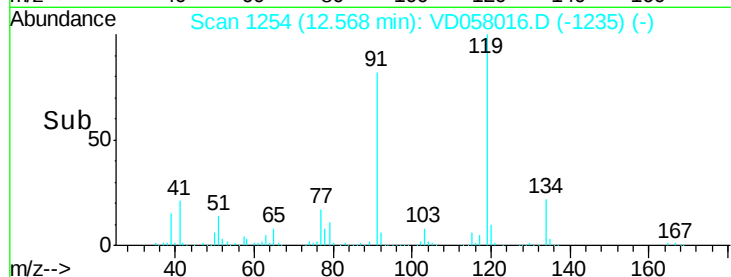
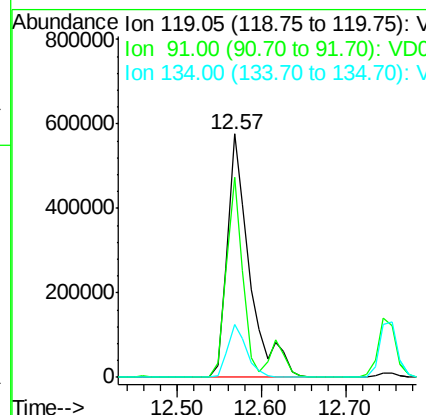
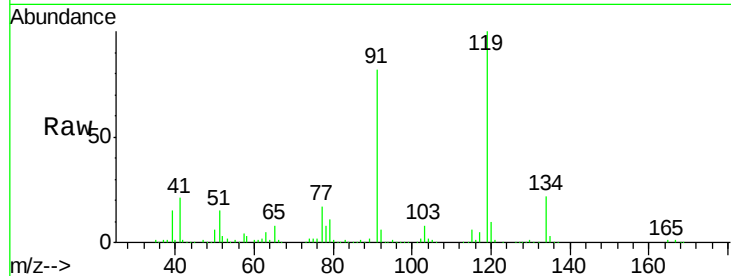




#83
tert-Butylbenzene
Concen: 63.862 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

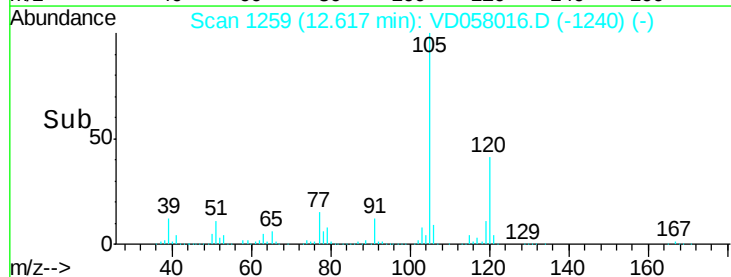
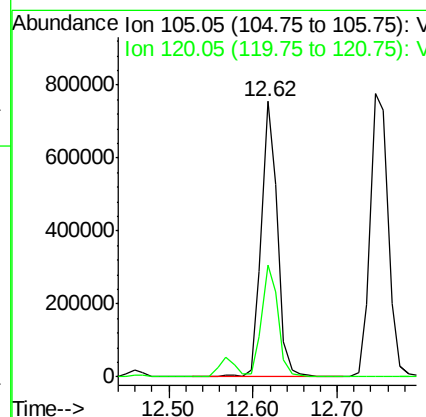
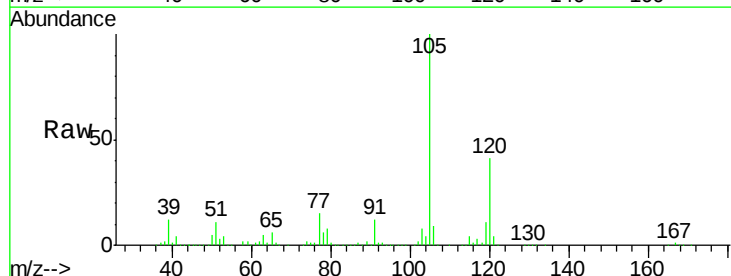
Instrument :
MSVOA_D
ClientSampleId :

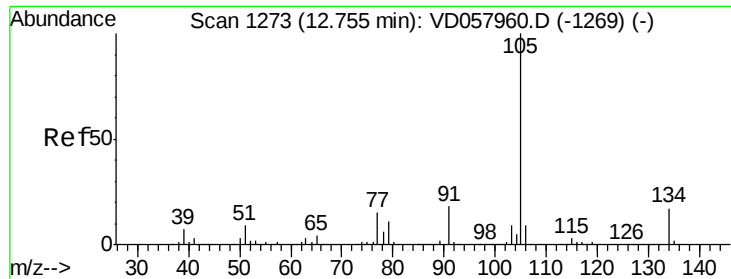
Tot Ion:119 Resp: 1065395
Ion Ratio Lower Upper
119 100
91 82.3 37.6 112.9
134 21.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 64.632 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:105 Resp: 1026728
Ion Ratio Lower Upper
105 100
120 40.8 21.2 63.6

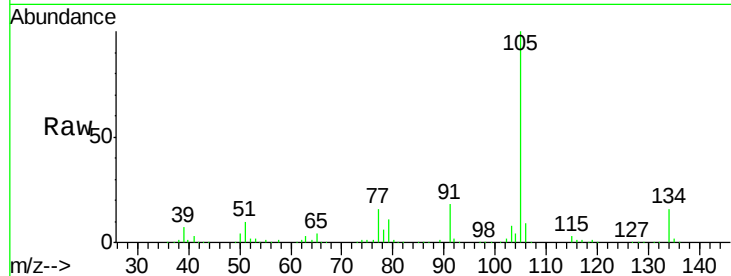




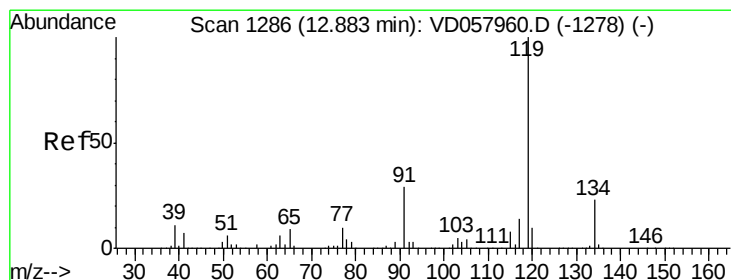
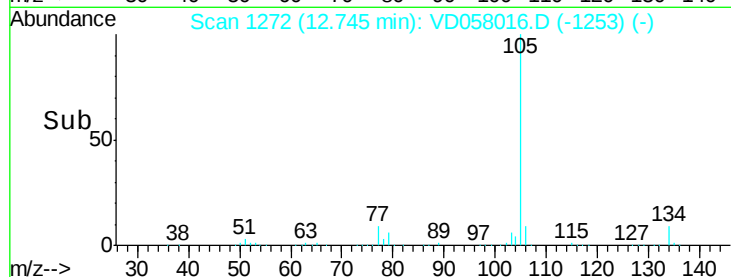
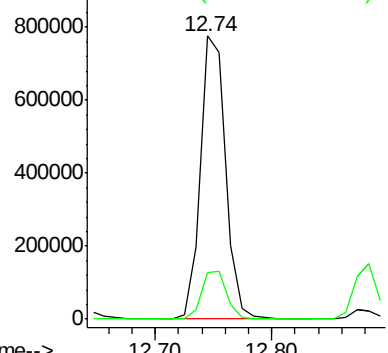
#85
 sec-Butylbenzene
 Concen: 57.459 ug/l
 RT: 12.74 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 1156870
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.3 25.1

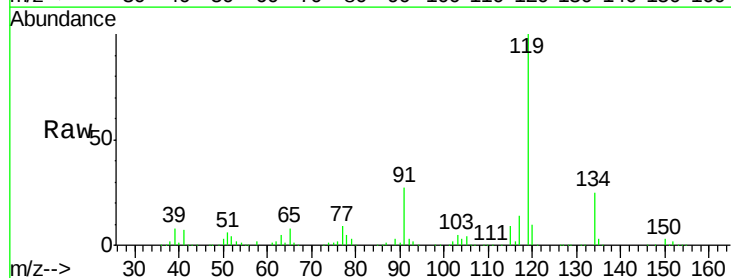


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

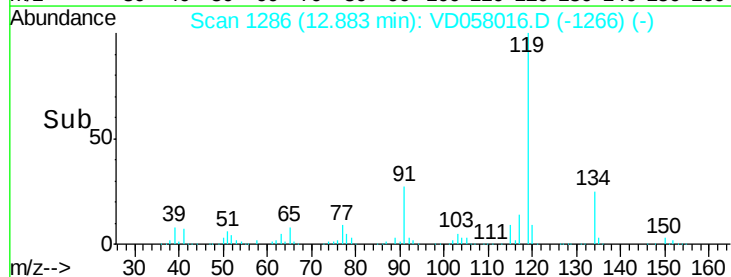
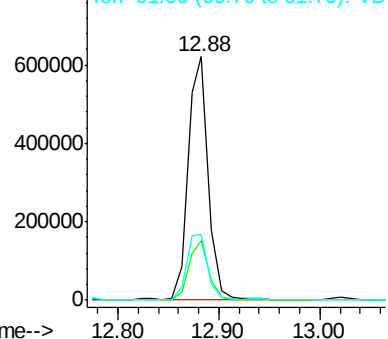


#86
 p-Isopropyltoluene
 Concen: 53.210 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion:119 Resp: 863452
 Ion Ratio Lower Upper
 119 100
 134 24.5 11.5 34.4
 91 27.2 14.5 43.6



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

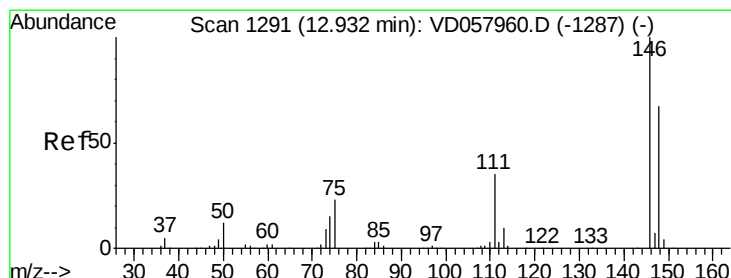
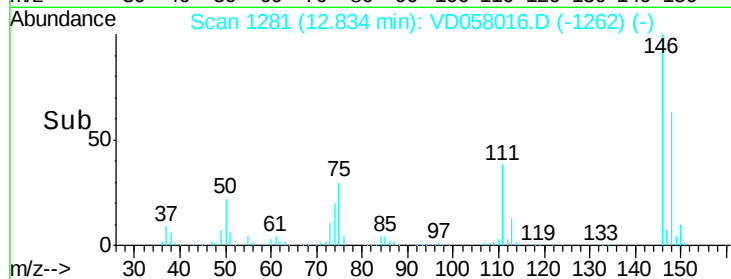
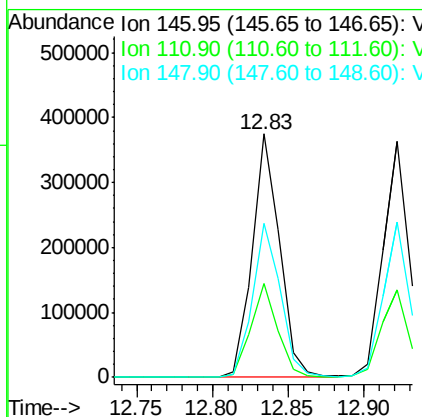
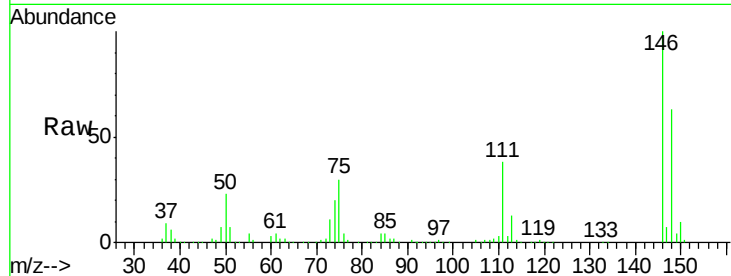




#87
 1,3-Dichlorobenzene
 Concen: 50.002 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

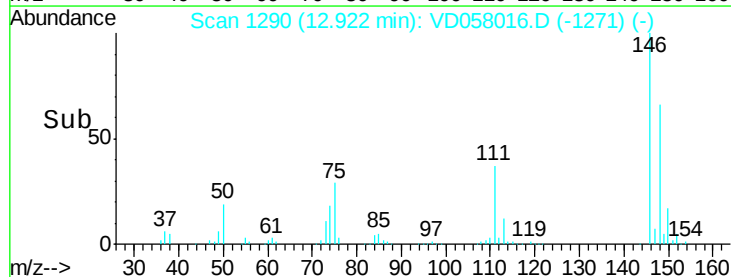
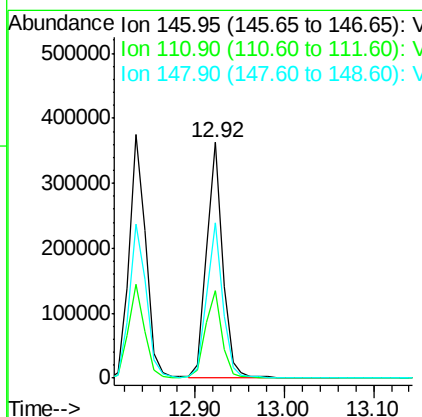
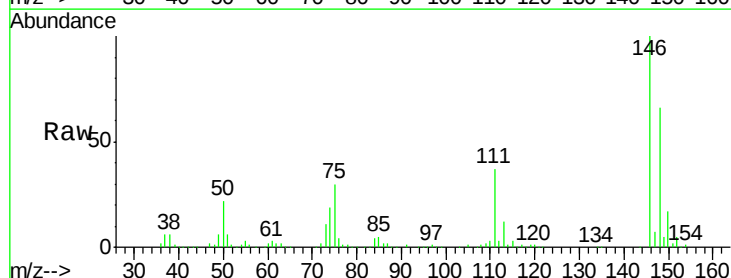
Instrument :
 MSVOA_D
 ClientSampled :

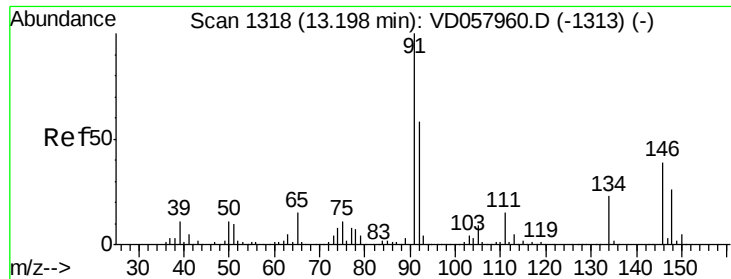
Tot Ion:146 Resp: 474320
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.3
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.931 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion:146 Resp: 452243
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.3 52.0
 148 65.9 33.4 100.2

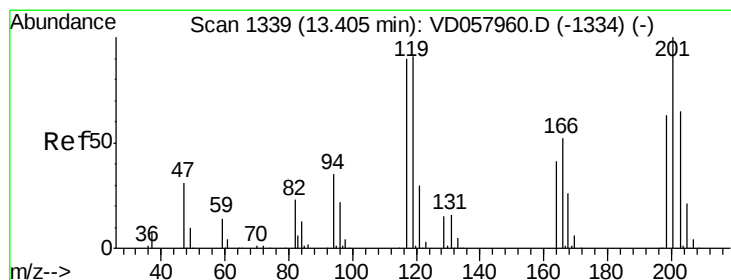
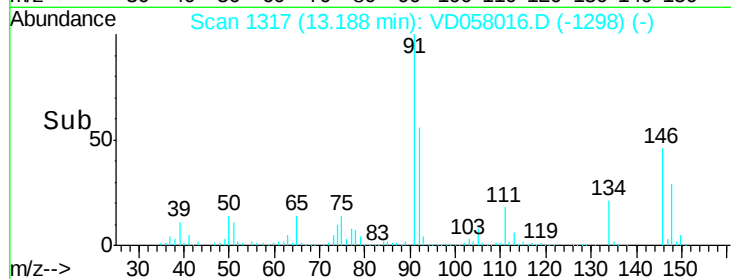
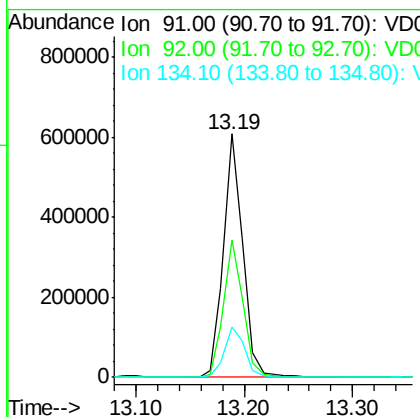
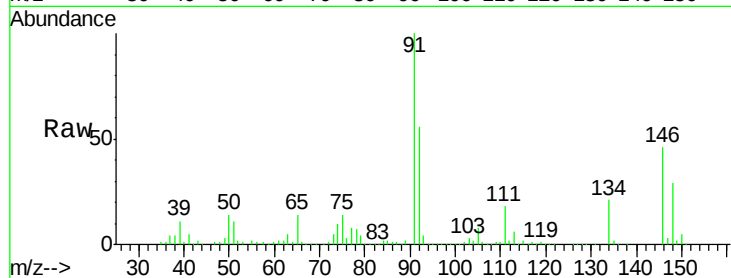




#89
n-Butylbenzene
Concen: 51.846 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

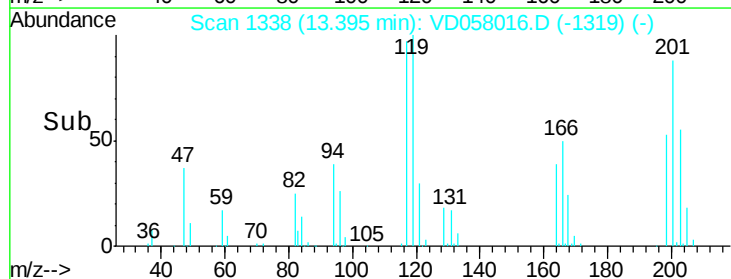
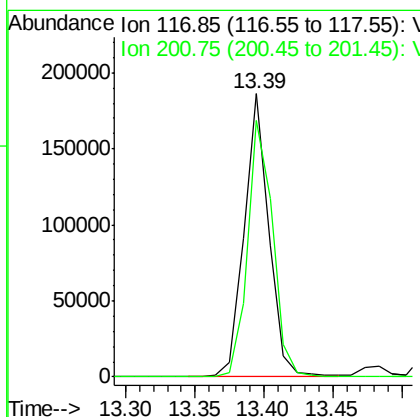
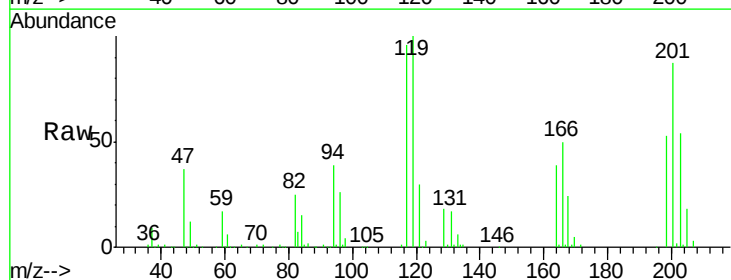
Instrument :
MSVOA_D
ClientSampled :

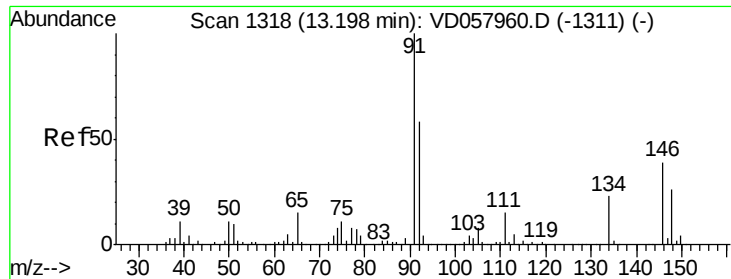
Tot Ion: 91 Resp: 755510
Ion Ratio Lower Upper
91 100
92 56.4 29.2 87.6
134 20.9 11.3 33.9



#90
Hexachloroethane
Concen: 56.346 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 117 Resp: 233375
Ion Ratio Lower Upper
117 100
201 90.5 55.4 166.0

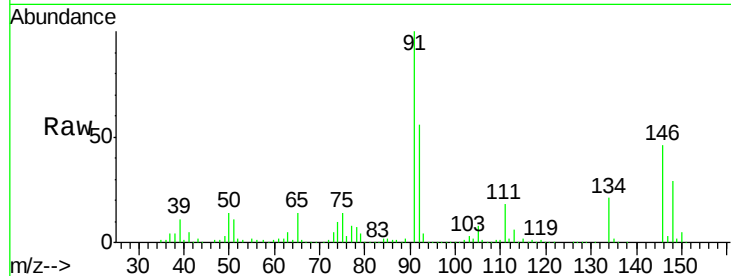




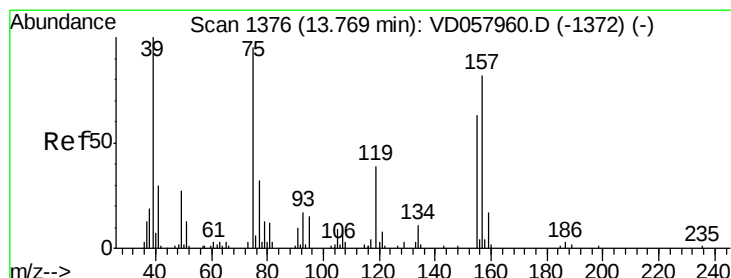
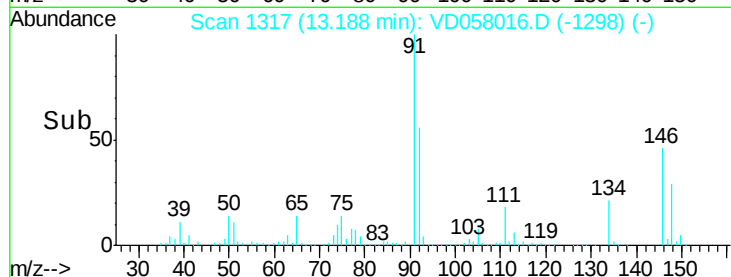
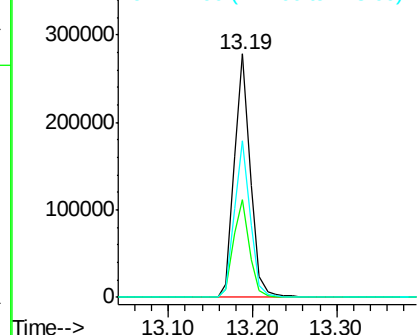
#91
 1,2-Dichlorobenzene
 Concen: 47.968 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 367722
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.4 58.2
 148 64.3 32.6 98.0

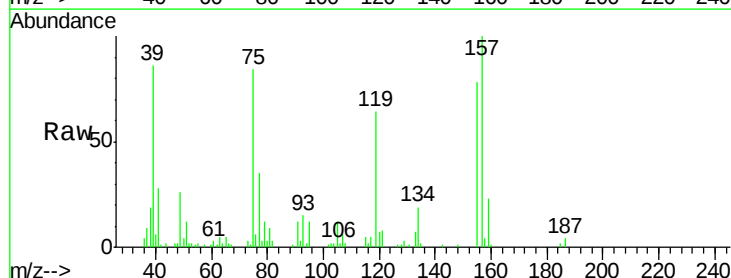


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

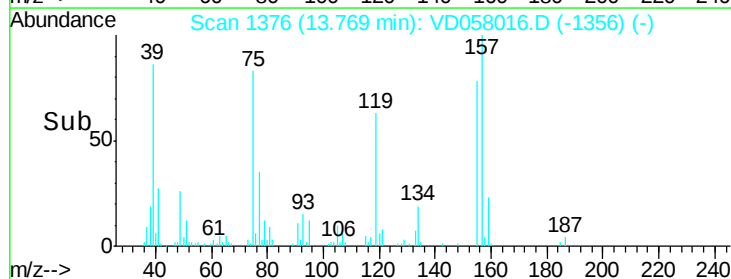
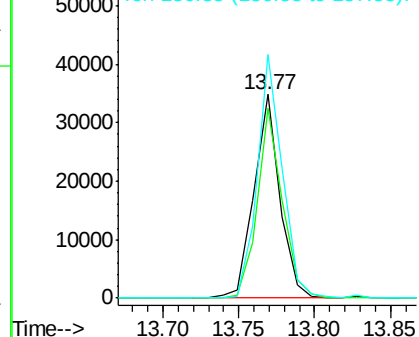


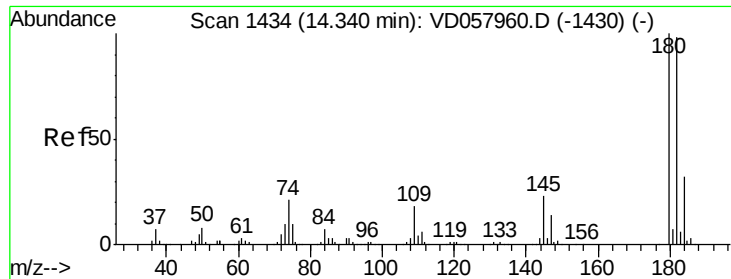
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.633 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 75 Resp: 41202
 Ion Ratio Lower Upper
 75 100
 155 93.5 33.4 100.1
 157 119.7 42.9 128.5



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

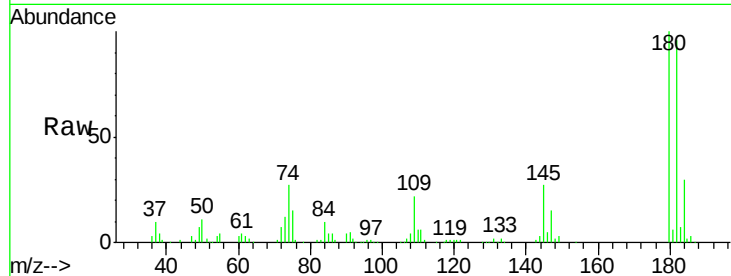




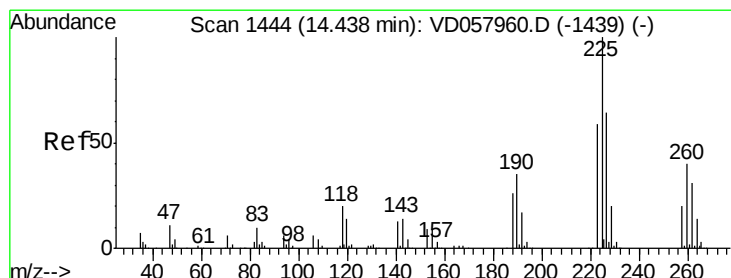
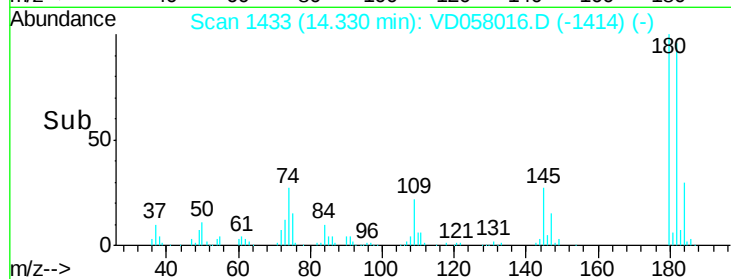
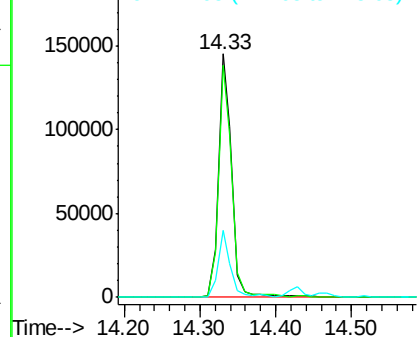
#93
 1,2,4-Trichlorobenzene
 Concen: 25.120 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 179911
 Ion Ratio Lower Upper
 180 100
 182 95.5 49.0 147.2
 145 27.3 11.8 35.3

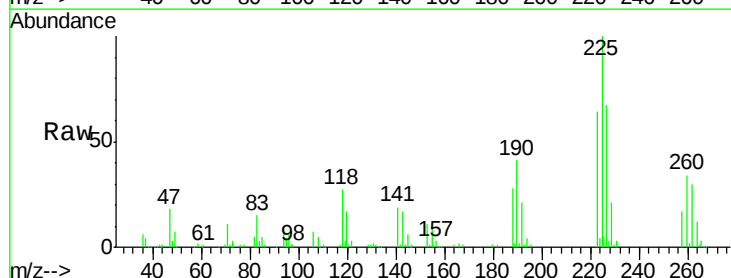


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

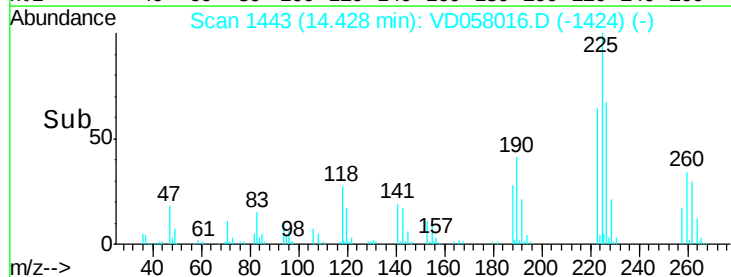
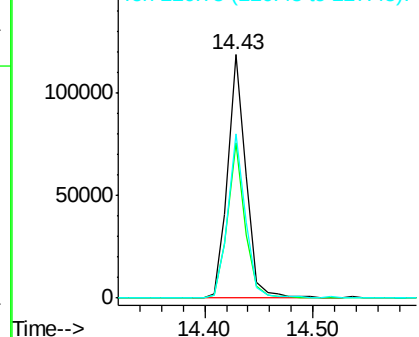


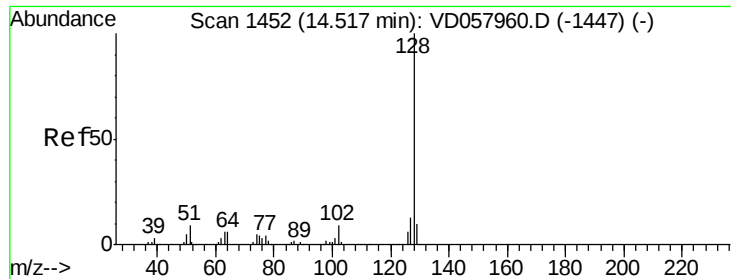
#94
 Hexachlorobutadiene
 Concen: 24.828 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion:225 Resp: 139866
 Ion Ratio Lower Upper
 225 100
 223 64.0 29.5 88.6
 227 67.4 32.0 96.0



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

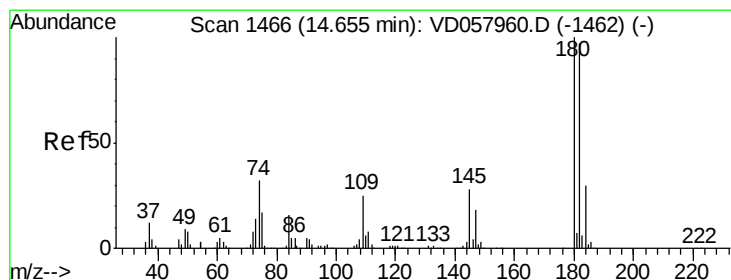
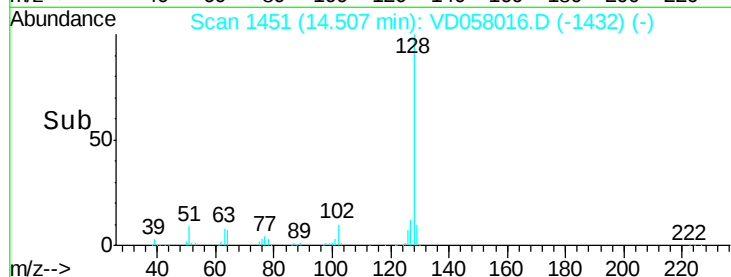
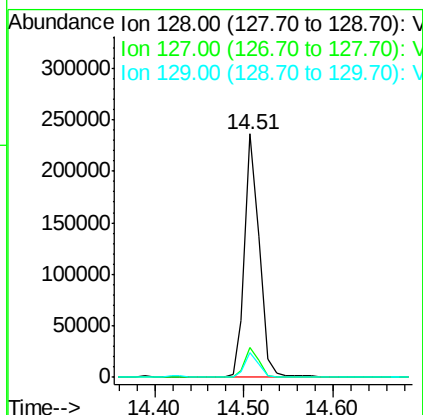
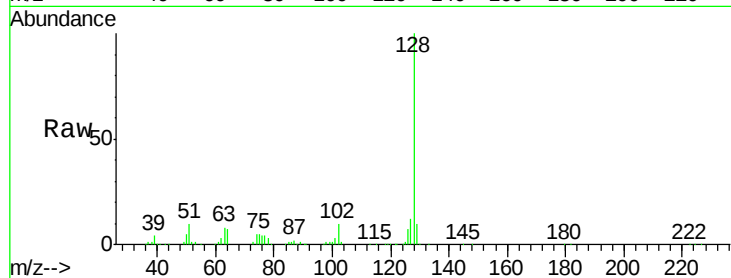




#95
Naphthalene
Concen: 29.612 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 273442
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 10.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 21.236 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:180 Resp: 129620
Ion Ratio Lower Upper
180 100
182 96.7 48.5 145.5
145 26.2 14.2 42.8

