

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058223.D
 Acq On : 20 Jun 2018 21:29
 Operator : VA/AP
 Sample : J3523-03MSD
 Misc : 3.43g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Quant Time: Jun 21 01:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	398221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	524724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	251772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	61548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	216483	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.71	98	500000	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.94	95	104009	24.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	305278	84.904	ug/l	99
3) Chloromethane	1.48	50	142114	84.814	ug/l	95
4) Vinyl Chloride	1.54	62	134813	64.624	ug/l	97
5) Bromomethane	1.79	94	23862	31.745	ug/l	91
6) Chloroethane	1.87	64	60236	90.861	ug/l	98
7) Trichlorofluoromethane	2.07	101	228262	79.803	ug/l	92
8) Diethyl Ether	2.34	74	61634	101.875	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	128533	70.686	ug/l	97
10) Methyl Iodide	2.68	142	45400	21.950	ug/l #	95
11) Tert butyl alcohol	3.26	59	75933	572.373	ug/l	97
12) 1,1-Dichloroethene	2.54	96	157080	114.814	ug/l	96
13) Acrolein	2.34	56	287	3.790	ug/l	88
14) Allyl chloride	2.91	41	73799	23.176	ug/l #	92
15) Acrylonitrile	3.35	53	120071	341.341	ug/l	96
16) Acetone	2.61	43	390053	709.078	ug/l	94
17) Carbon Disulfide	2.74	76	115589	24.833	ug/l	98
18) Methyl Acetate	3.07	43	73563	62.706	ug/l #	65
19) Methyl tert-butyl Ether	3.40	73	393828	108.531	ug/l	93
20) Methylene Chloride	3.07	84	111011	80.179	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	50702	33.909	ug/l	97
22) Diisopropyl ether	4.07	45	1249541	98.803	ug/l #	78
23) Vinyl Acetate	4.06	43	535204	78.945	ug/l #	82
24) 1,1-Dichloroethane	3.96	63	542626	79.642	ug/l	99
25) 2-Butanone	4.84	43	738037	615.583	ug/l	97
26) 2,2-Dichloropropane	4.79	77	227780	39.926	ug/l	96
27) cis-1,2-Dichloroethene	4.80	96	183525	49.118	ug/l	92
28) Bromochloromethane	5.14	49	184528	60.417	ug/l #	99
29) Tetrahydrofuran	5.18	42	346878	543.559	ug/l	98
30) Chloroform	5.32	83	513579	71.400	ug/l	97
31) Cyclohexane	5.59	56	336774	70.190	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	404787	68.112	ug/l #	78
36) 1,1-Dichloropropene	5.75	75	246328	47.454	ug/l	98
37) Ethyl Acetate	4.84	43	735070	248.538	ug/l #	83
38) Carbon Tetrachloride	5.73	117	288073	55.853	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.29	83	487592	96.438	ug/l	93
40) Benzene	6.01	78	921791	74.547	ug/l	98
41) Methacrylonitrile	5.13	41	137683	96.406	ug/l	92
42) 1,2-Dichloroethane	6.13	62	323274	64.838	ug/l	100
43) Isopropyl Acetate	7.65	43	90348	22.913	ug/l #	48
44) Trichloroethene	6.98	130	305284	82.220	ug/l	100
45) 1,2-Dichloropropane	7.35	63	238661	71.668	ug/l	100
46) Dibromomethane	7.47	93	113224	49.805	ug/l	94
47) Bromodichloromethane	7.74	83	217053	41.869	ug/l	100
48) Methyl methacrylate	7.55	41	20346	8.490	ug/l #	75
49) 1,4-Dioxane	7.49	88	47011	2173.172	ug/l #	45
51) 4-Methyl-2-Pentanone	8.60	43	1297980	504.669	ug/l	98
52) Toluene	8.81	92	774869	110.052	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	78221	17.355	ug/l #	74
54) cis-1,3-Dichloropropene	8.36	75	102387	19.377	ug/l #	64
55) 1,1,2-Trichloroethane	9.46	97	36696	14.731	ug/l #	1
56) Ethyl methacrylate	9.38	69	276321	92.751	ug/l #	1
57) 1,3-Dichloropropane	9.67	76	256097	61.031	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	504540	342.095	ug/l	93
59) 2-Hexanone	9.79	43	831124	447.217	ug/l	95
60) Dibromochloromethane	9.97	129	120317	35.589	ug/l	95
61) 1,2-Dibromoethane	10.11	107	116694	42.800	ug/l	99
64) Tetrachloroethene	9.52	164	218033	102.921	ug/l	96
65) Chlorobenzene	10.73	112	268529	57.018	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	101384	55.784	ug/l	94
67) Ethyl Benzene	10.86	91	5407148	650.336	ug/l	98
68) m/p-Xylenes	11.03	106	5612089	2024.074	ug/l	98
69) o-Xylene	11.42	106	2175777	821.609	ug/l	89
70) Styrene	11.44	104	303169	67.089	ug/l #	77
71) Bromoform	11.60	173	89983	62.065	ug/l #	96
73) Isopropylbenzene	11.78	105	590628	160.433	ug/l	97
74) N-amyl acetate	11.60	43	365868	257.026	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.10	83	119805	139.841	ug/l #	43
76) 1,2,3-Trichloropropane	12.11	75	112686	125.399	ug/l	90
77) Bromobenzene	12.05	156	93931	85.205	ug/l	90
78) n-propylbenzene	12.15	91	820497	172.583	ug/l	97
79) 2-Chlorotoluene	12.22	91	443161	162.894	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	1107562	385.715	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	2885	13.163	ug/l #	1
82) 4-Chlorotoluene	12.33	91	303578	122.372	ug/l	83
83) tert-Butylbenzene	12.58	119	186973	56.636	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	2043086	654.565	ug/l	97
85) sec-Butylbenzene	12.76	105	404988	104.659	ug/l	94
86) p-Isopropyltoluene	12.89	119	320871	102.325	ug/l	95
87) 1,3-Dichlorobenzene	12.93	146	92451	48.250	ug/l	90
88) 1,4-Dichlorobenzene	12.93	146	92645	49.513	ug/l	89
89) n-Butylbenzene	13.20	91	465179	141.149	ug/l	93
90) Hexachloroethane	13.40	117	95948	117.886	ug/l #	39
91) 1,2-Dichlorobenzene	13.20	146	95962	58.851	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.78	75	13479	98.858	ug/l #	44

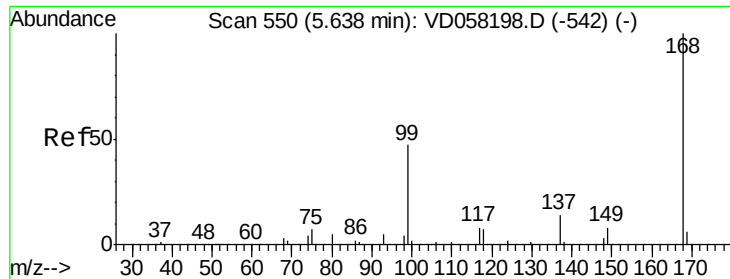
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	39865	25.562	ug/l #	89
94) Hexachlorobutadiene	14.44	225	21974	18.015	ug/l	90
95) Naphthalene	14.52	128	455282	221.627	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	35803	26.224	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

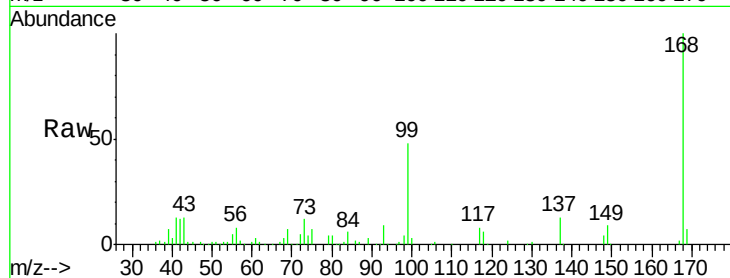
AREA1(S)MSD

Tot Ion:168 Resp: 398221

Ion Ratio Lower Upper

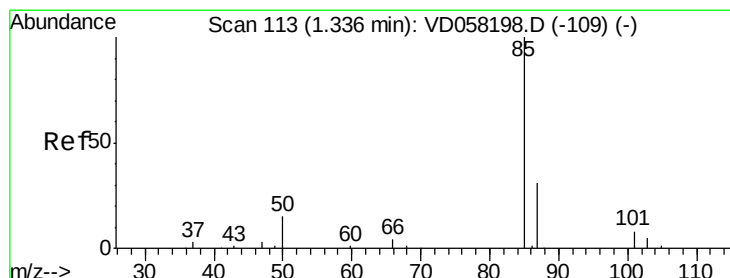
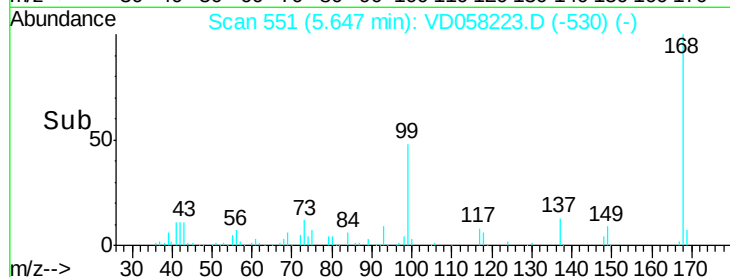
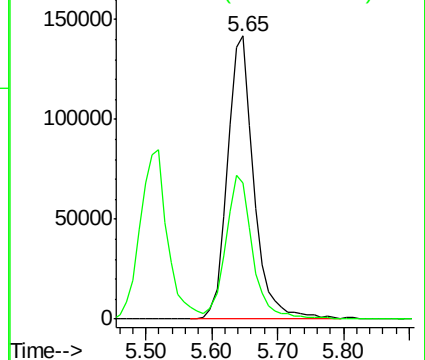
168 100

99 48.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 84.904 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058223.D

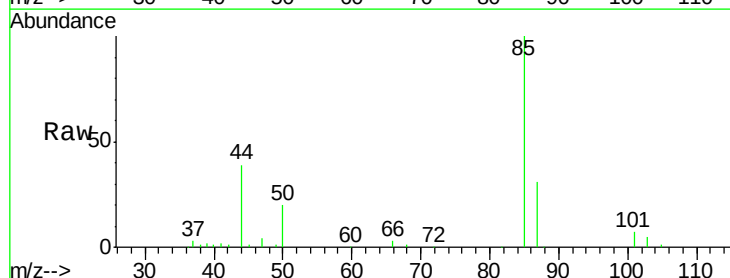
Acq: 20 Jun 2018 21:29

Tgt Ion: 85 Resp: 305278

Ion Ratio Lower Upper

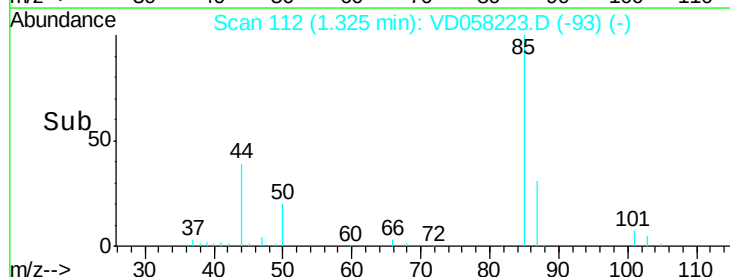
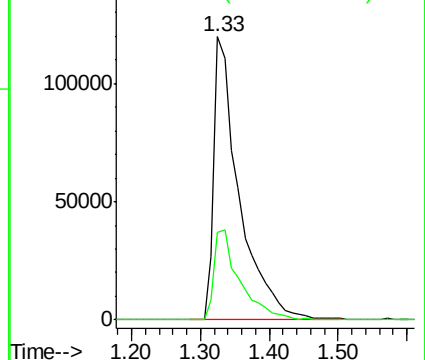
85 100

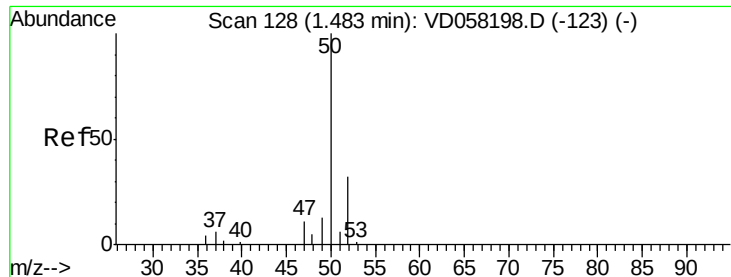
87 30.8 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 84.814 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

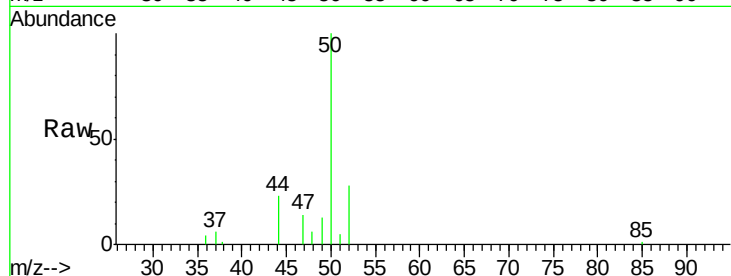
AREA1(S)MSD

Tot Ion: 50 Resp: 142114

Ion Ratio Lower Upper

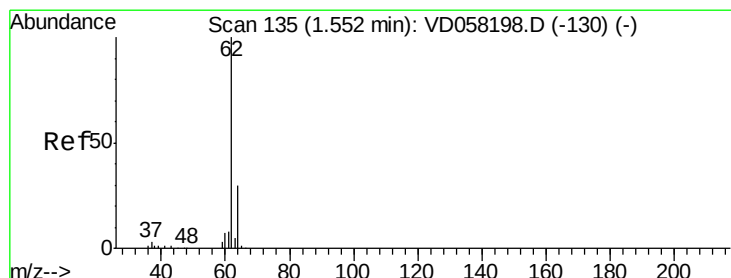
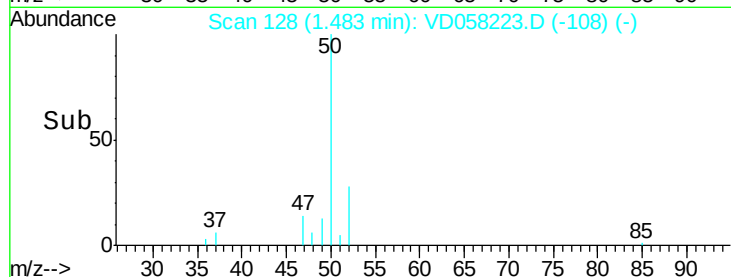
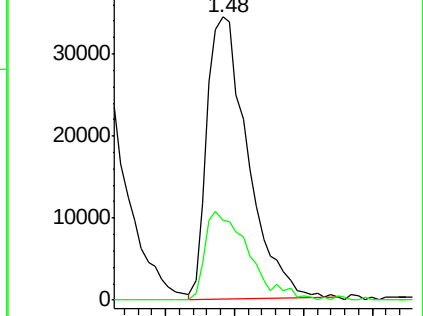
50 100

52 28.4 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 64.624 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058223.D

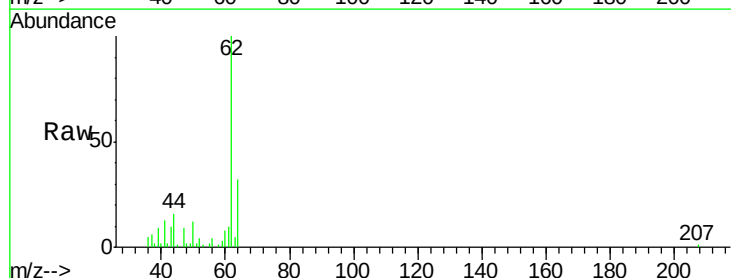
Acq: 20 Jun 2018 21:29

Tgt Ion: 62 Resp: 134813

Ion Ratio Lower Upper

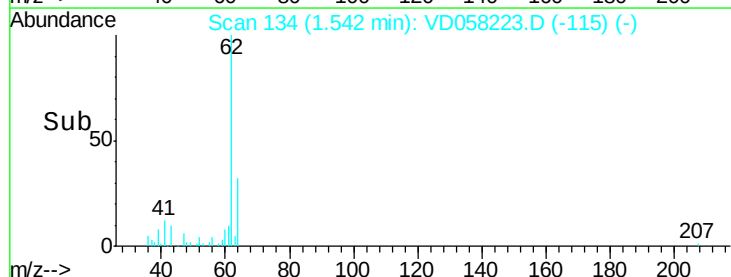
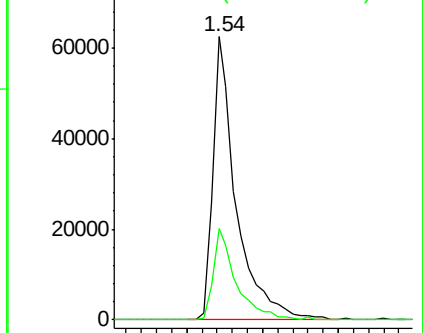
62 100

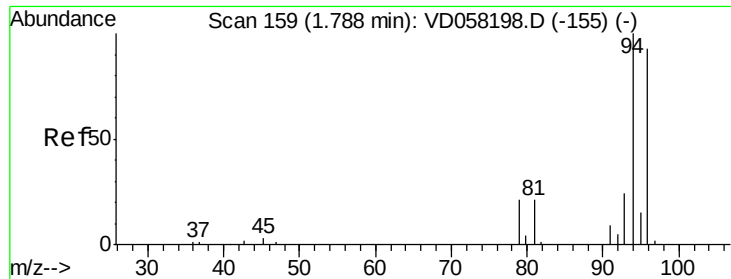
64 32.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

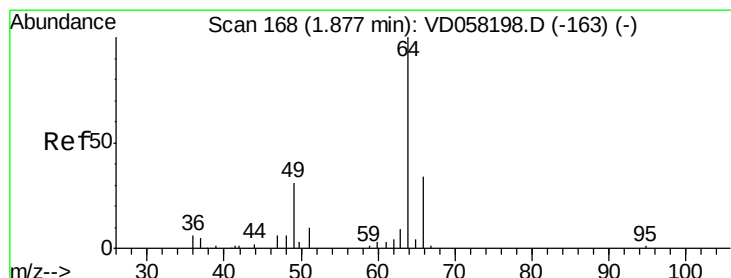
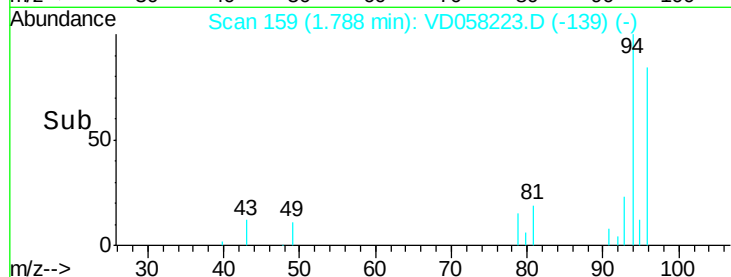
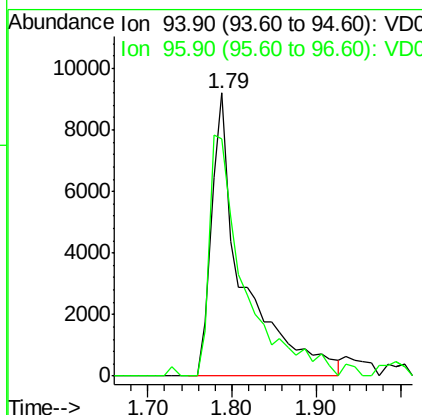
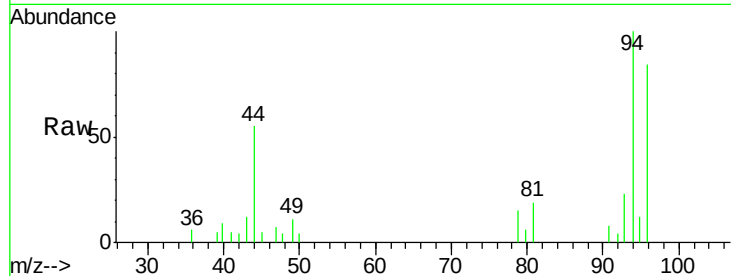




#5
Bromomethane
Concen: 31.745 ug/l
RT: 1.79 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

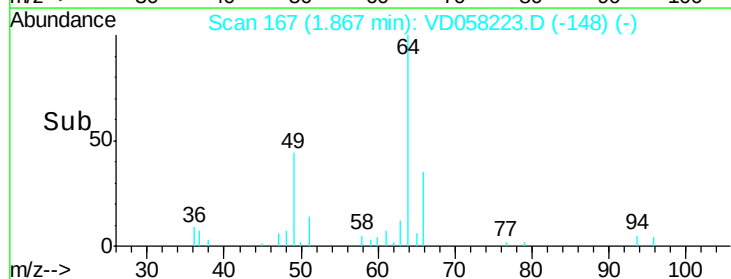
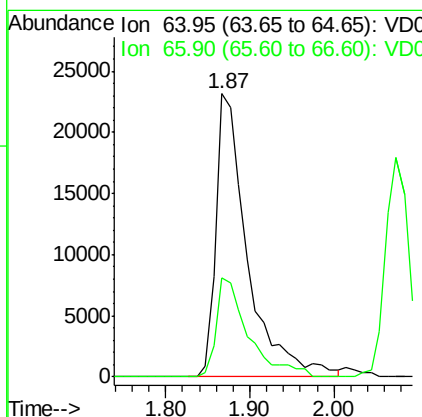
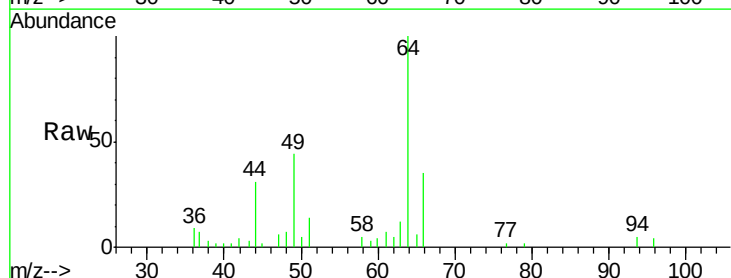
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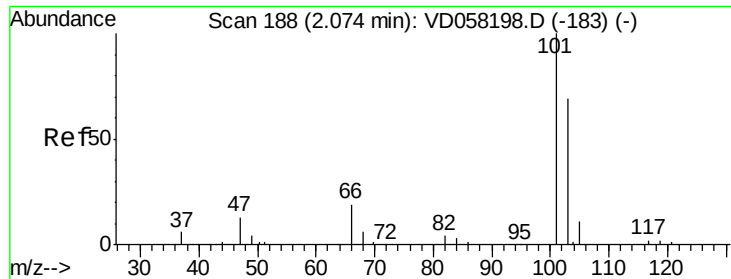
Tot Ion: 94 Resp: 23862
Ion Ratio Lower Upper
94 100
96 84.0 74.2 111.2



#6
Chloroethane
Concen: 90.861 ug/l
RT: 1.87 min Scan# 167
Delta R.T. -0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 64 Resp: 60236
Ion Ratio Lower Upper
64 100
66 35.0 27.3 40.9



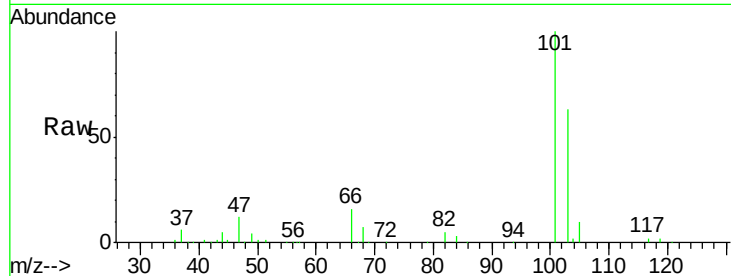


#7

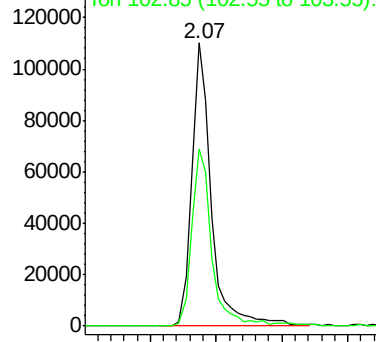
Trichlorofluoromethane
Concen: 79.803 ug/l
RT: 2.07 min Scan# 188
Delta R.T. -0.00 min
Lab File: VD058223.D
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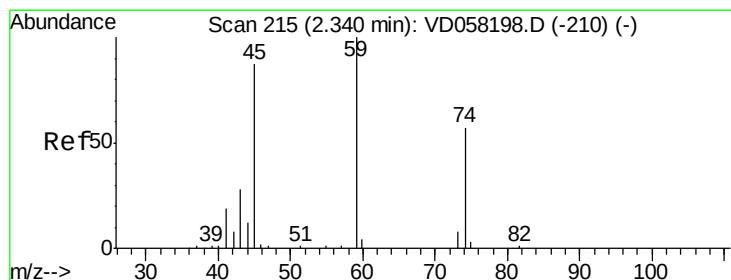
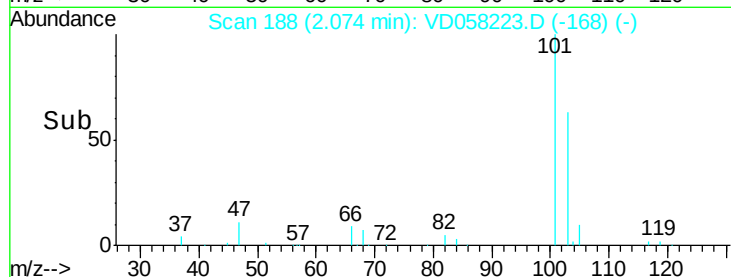
Tot Ion:101 Resp: 228262
Ion Ratio Lower Upper
101 100
103 62.6 55.1 82.7



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



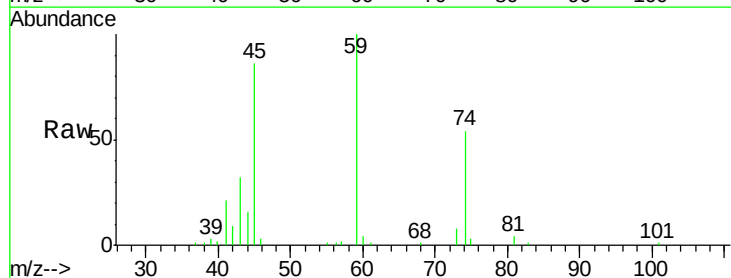
Time-->



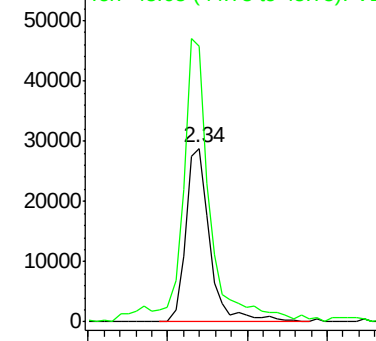
#8

Diethyl Ether
Concen: 101.875 ug/l
RT: 2.34 min Scan# 215
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

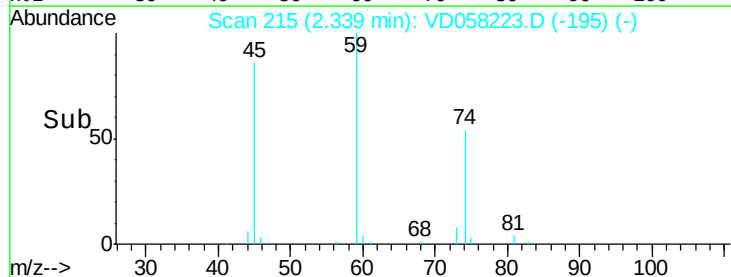
Tgt Ion: 74 Resp: 61634
Ion Ratio Lower Upper
74 100
45 158.7 77.5 232.6

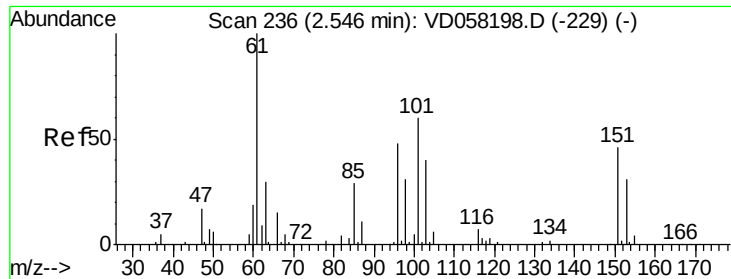


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time-->

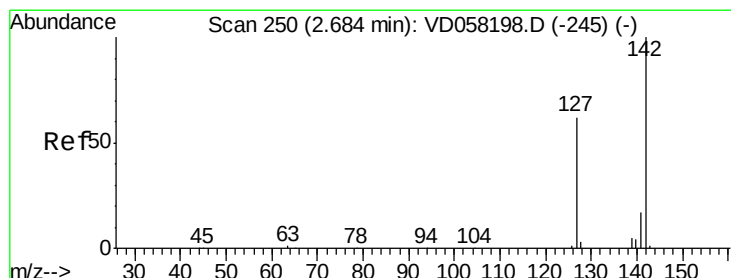
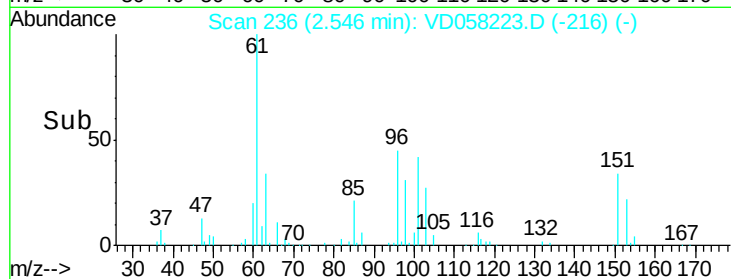
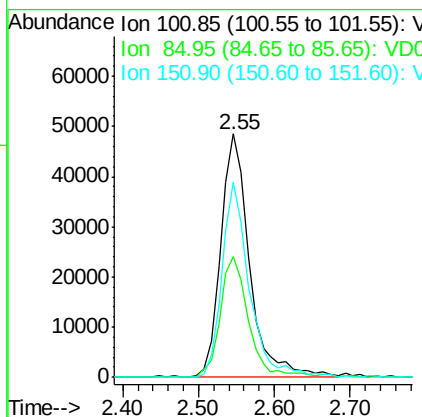
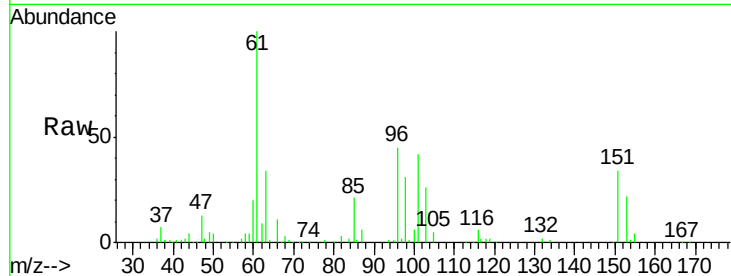




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 70.686 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

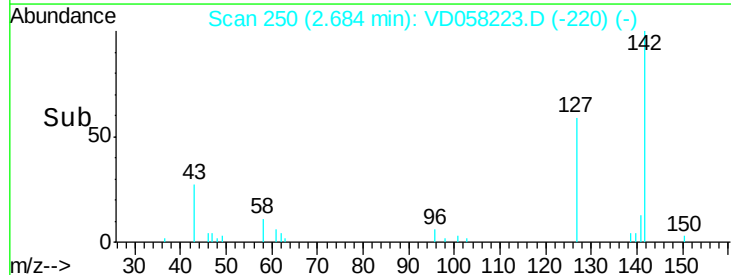
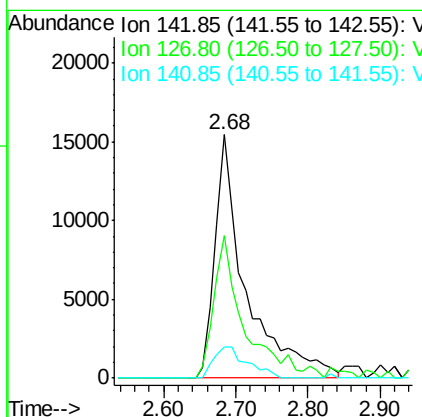
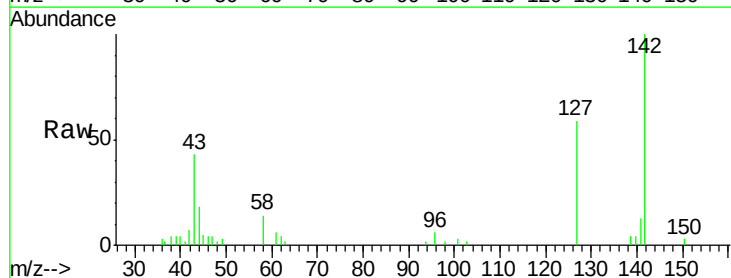
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

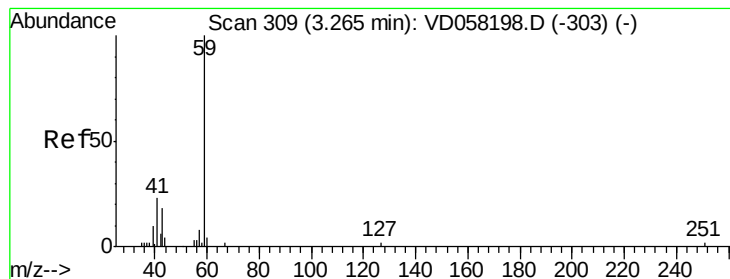
Tot Ion	Ratio	Lower	Upper
101	100		
85	49.8	39.0	58.4
151	80.0	61.8	92.8



#10
 Methyl Iodide
 Concen: 21.950 ug/l
 RT: 2.68 min Scan# 250
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
142	100		
127	58.7	49.4	74.0
141	12.9	13.5	20.3



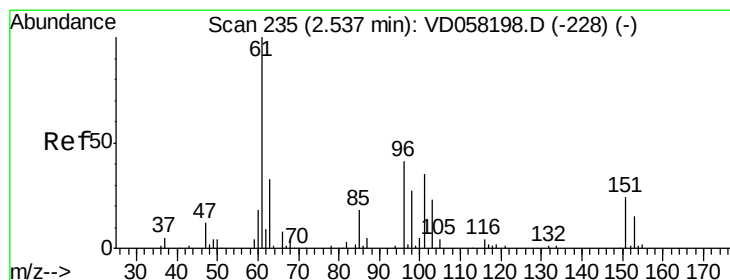
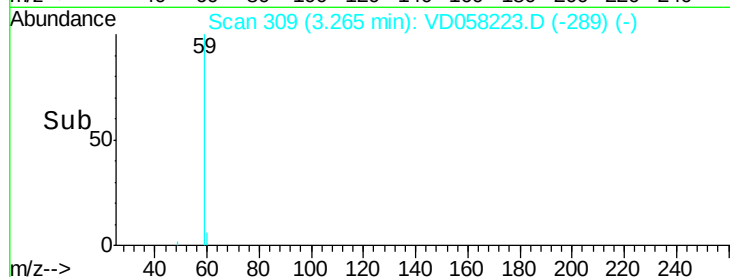
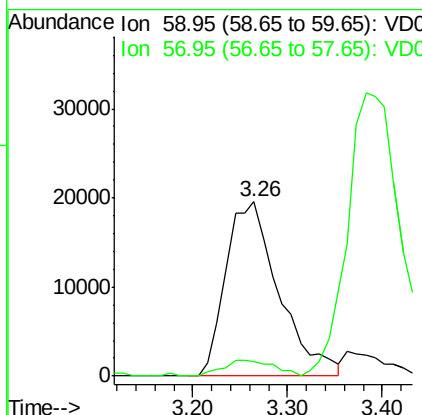
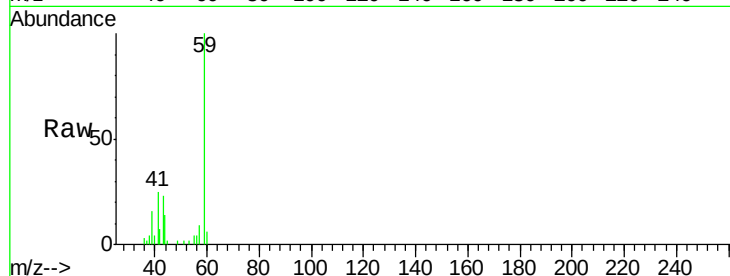


#11

Tert butyl alcohol
Concen: 572.373 ug/l
RT: 3.26 min Scan# 309
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

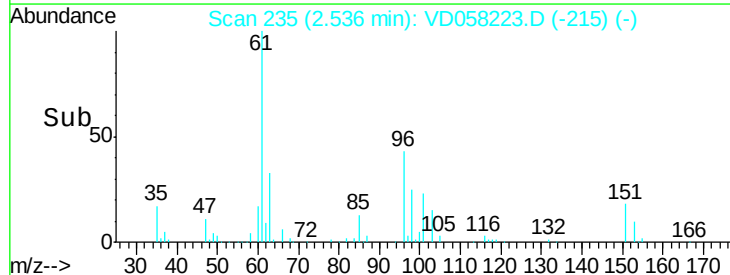
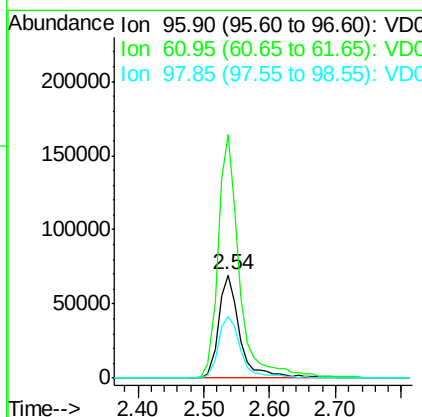
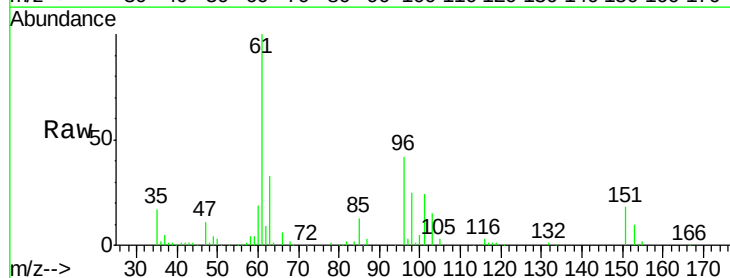
Tot Ion: 59 Resp: 75933
Ion Ratio Lower Upper
59 100
57 8.7 6.2 9.4

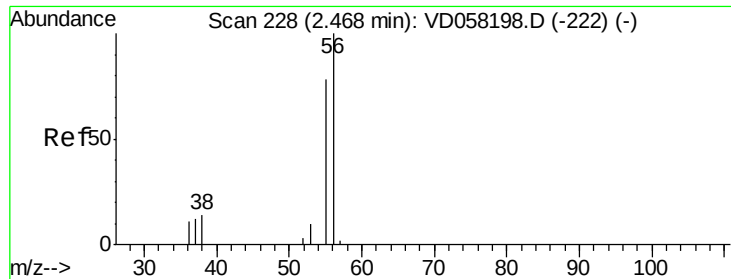


#12

1,1-Dichloroethene
Concen: 114.814 ug/l
RT: 2.54 min Scan# 235
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 96 Resp: 157080
Ion Ratio Lower Upper
96 100
61 236.0 193.9 290.9
98 59.5 51.7 77.5





#13

Acrolein

Concen: 3.790 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.13 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

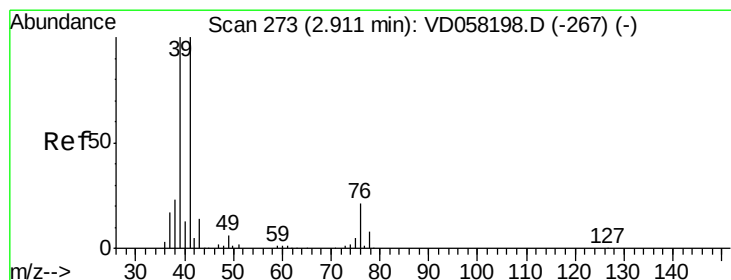
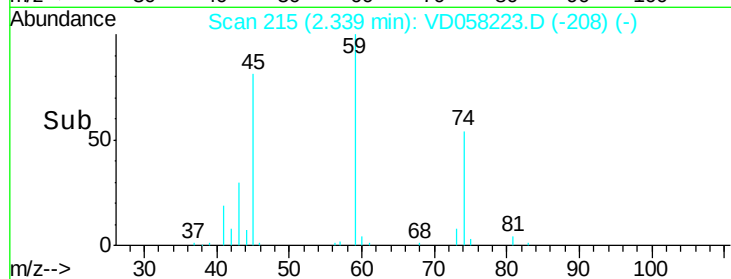
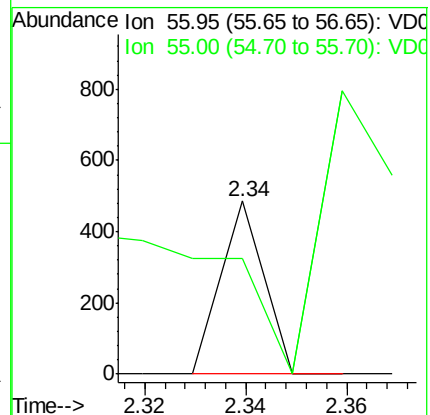
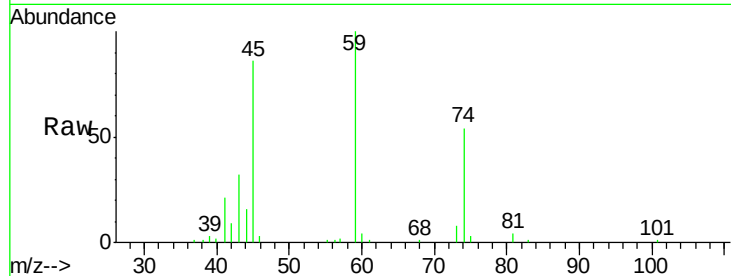
AREA1(S)MSD

Tot Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 67.1 62.1 93.1



#14

Allyl chloride

Concen: 23.176 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

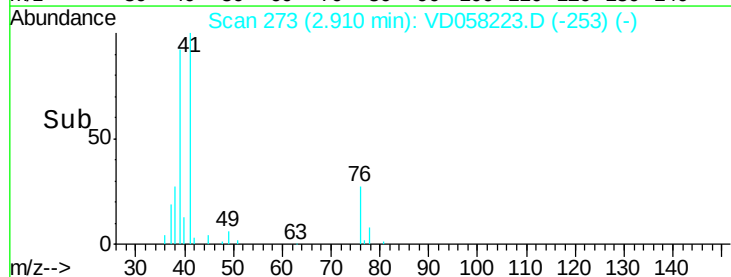
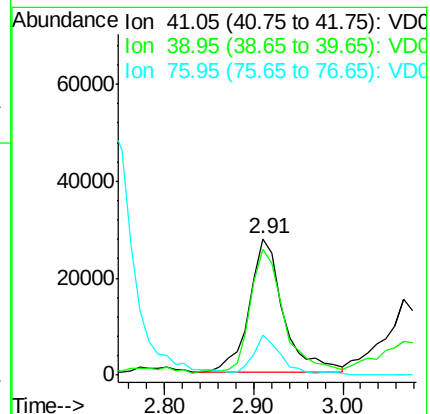
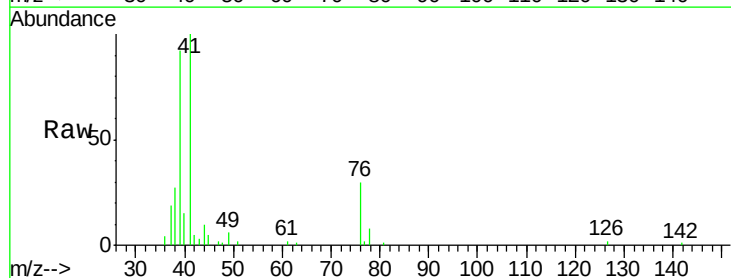
Tgt Ion: 41 Resp: 73799

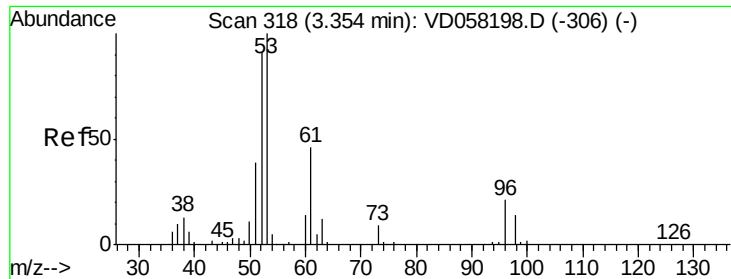
Ion Ratio Lower Upper

41 100

39 92.3 80.1 120.1

76 29.6 19.4 29.2#





#15

Acrylonitrile

Concen: 341.341 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

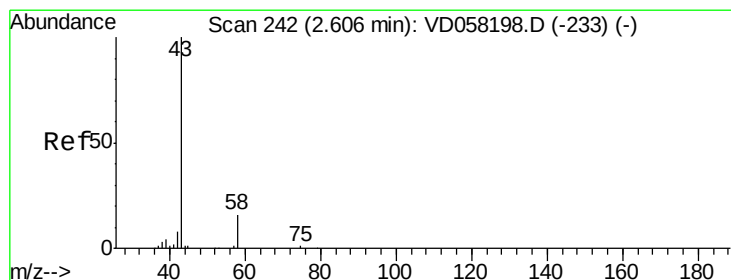
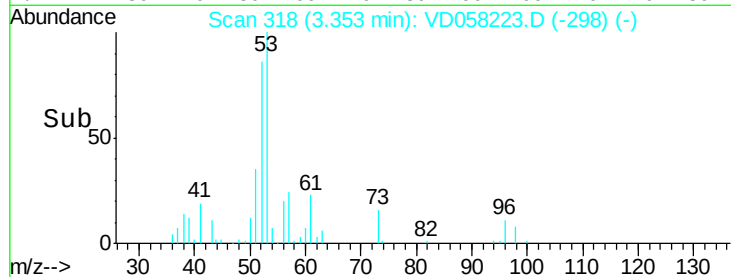
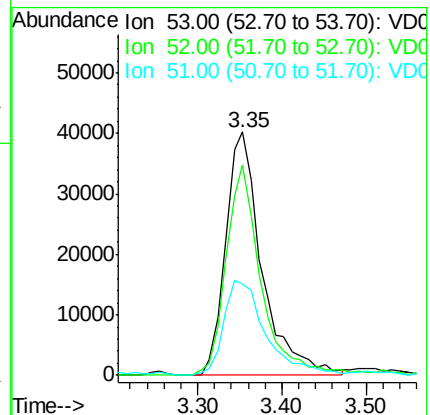
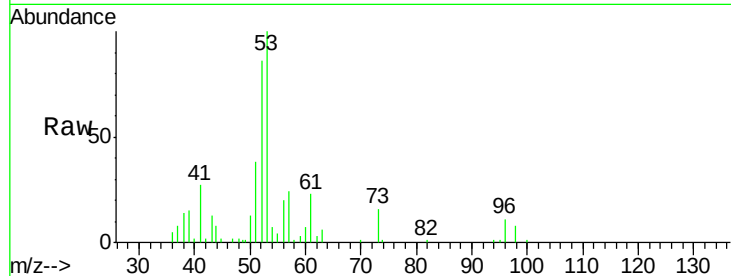
Tot Ion: 53 Resp: 120071

Ion Ratio Lower Upper

53 100

52 86.4 72.6 108.8

51 37.7 32.2 48.4



#16

Acetone

Concen: 709.078 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058223.D

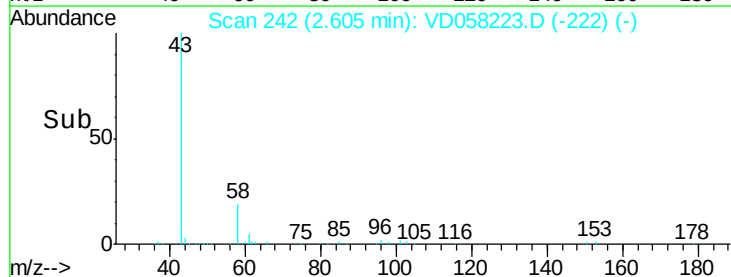
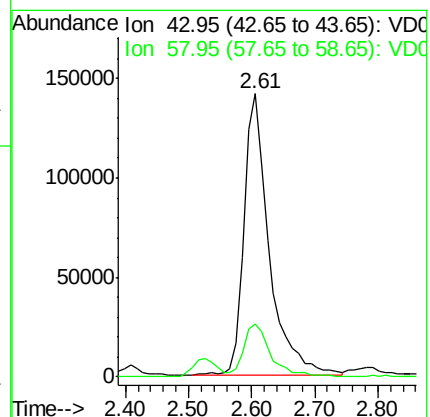
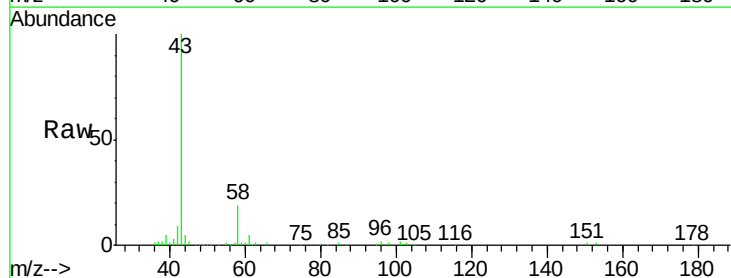
Acq: 20 Jun 2018 21:29

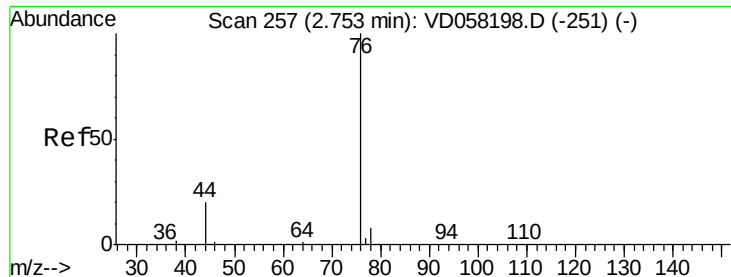
Tgt Ion: 43 Resp: 390053

Ion Ratio Lower Upper

43 100

58 18.6 12.7 19.1

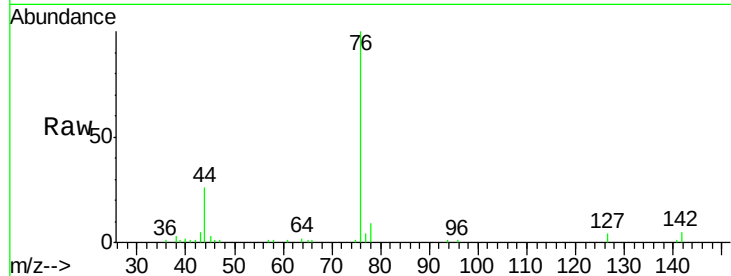




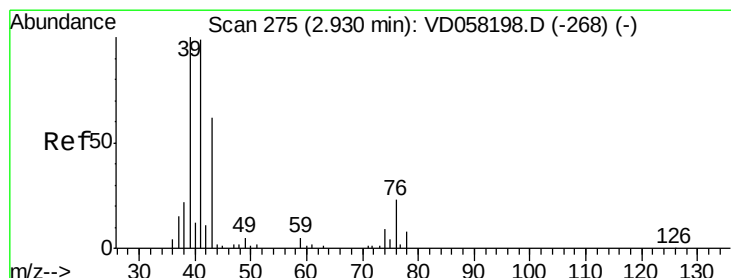
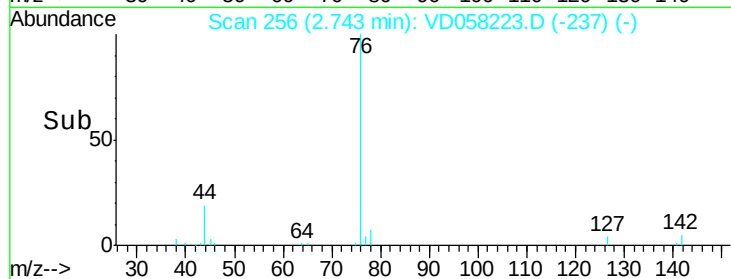
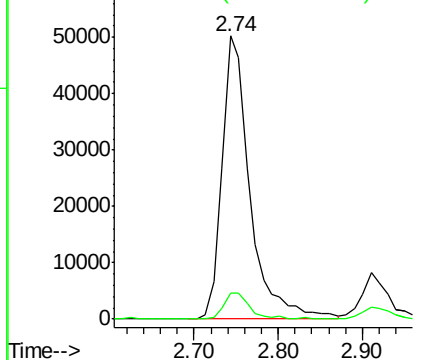
#17
Carbon Disulfide
Concen: 24.833 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion: 76 Resp: 115589
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

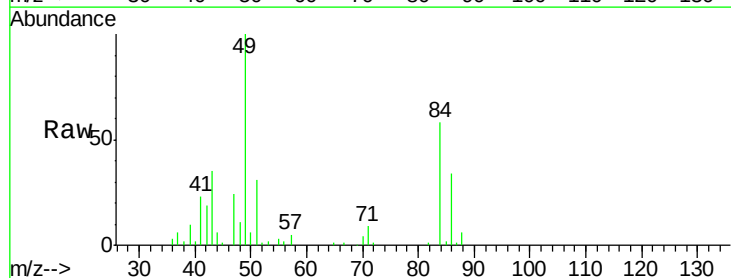


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

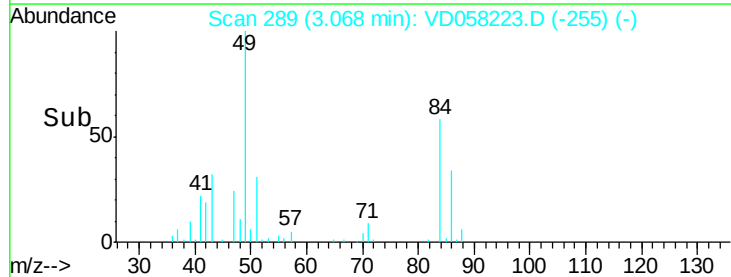
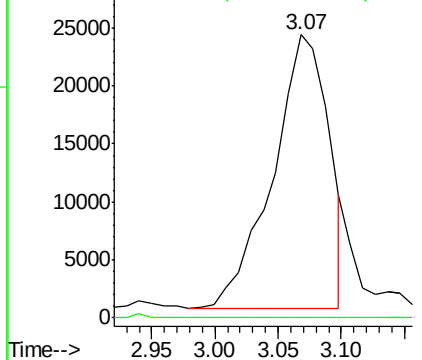


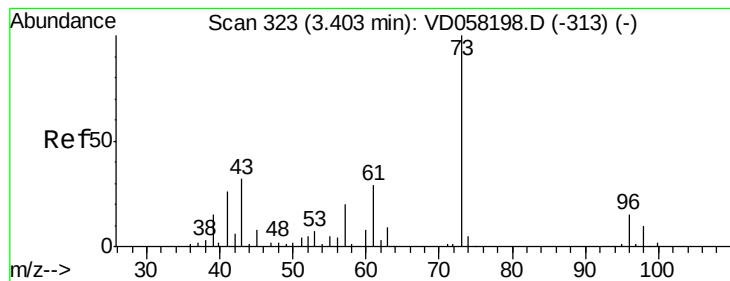
#18
Methyl Acetate
Concen: 62.706 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.14 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 43 Resp: 73563
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



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



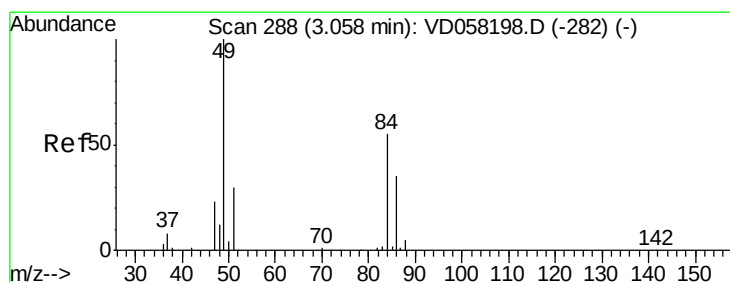
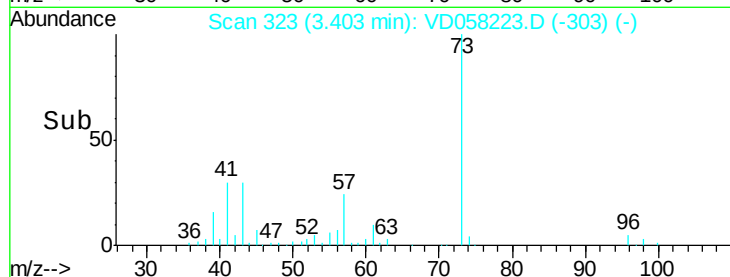
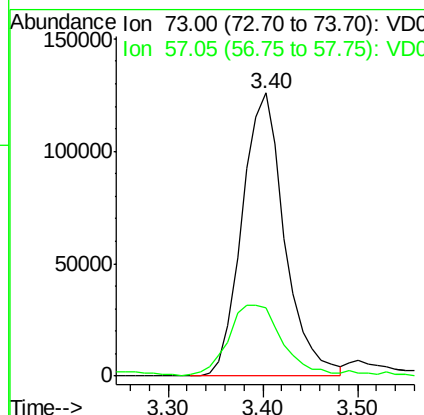
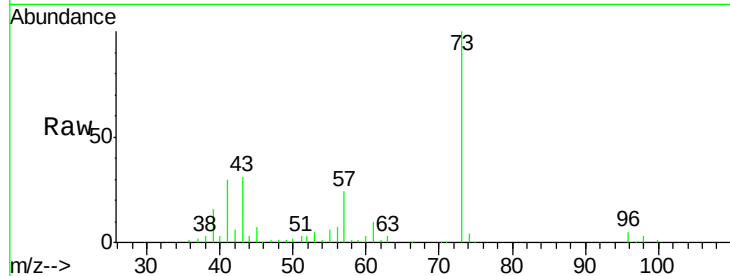


#19

Methyl tert-butyl Ether
 Concen: 108.531 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

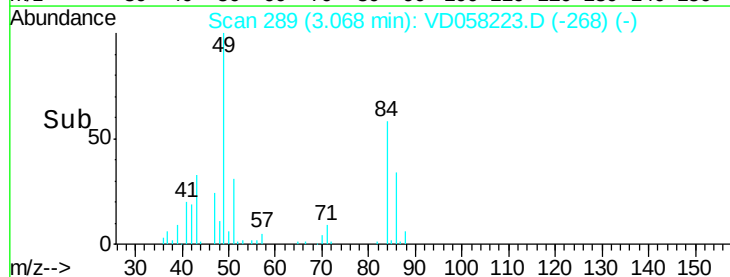
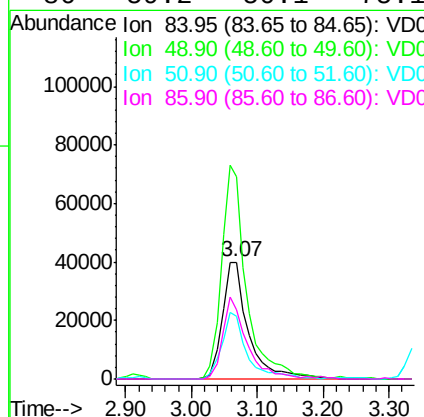
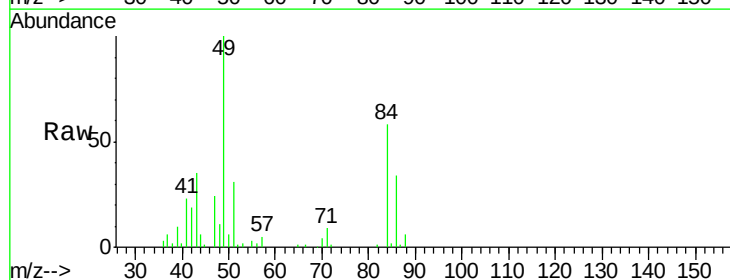
Tot Ion: 73 Resp: 393828
 Ion Ratio Lower Upper
 73 100
 57 24.0 16.6 24.8

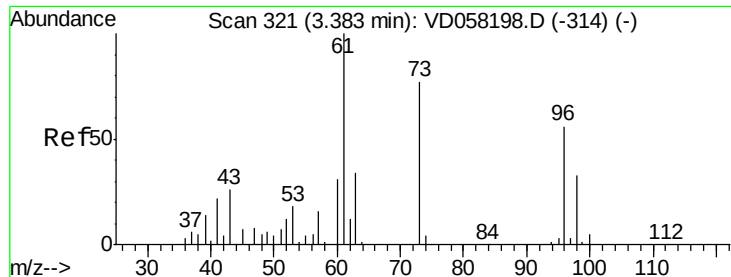


#20

Methylene Chloride
 Concen: 80.179 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion: 84 Resp: 111011
 Ion Ratio Lower Upper
 84 100
 49 172.5 145.0 217.6
 51 53.9 42.9 64.3
 86 59.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 33.909 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

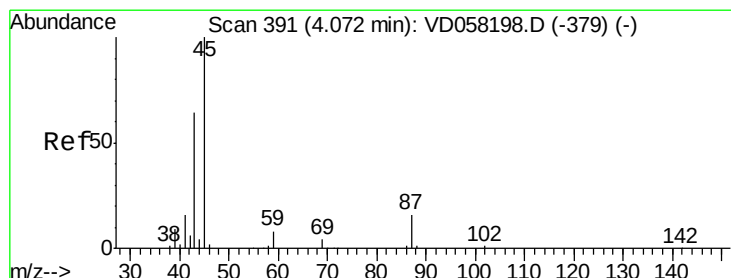
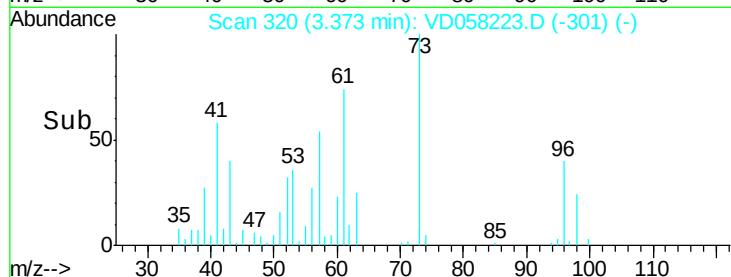
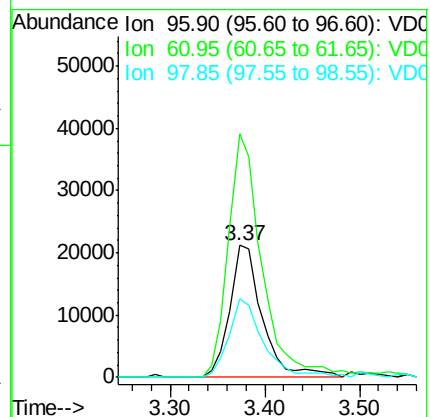
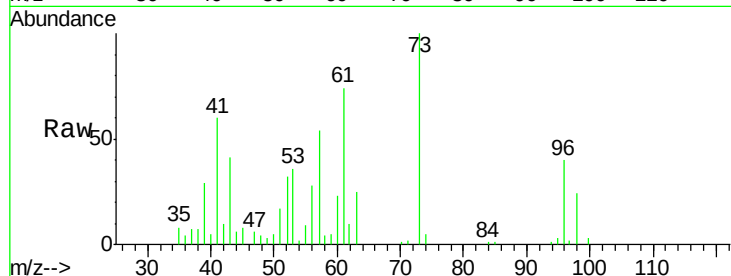
Tot Ion: 96 Resp: 50702

Ion Ratio Lower Upper

96 100

61 184.5 143.8 215.6

98 59.4 48.0 72.0



#22

Diisopropyl ether

Concen: 98.803 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion: 45 Resp: 1249541

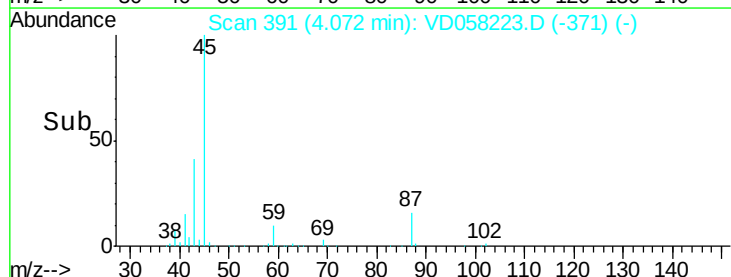
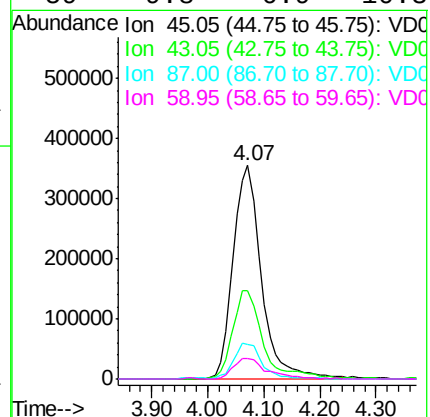
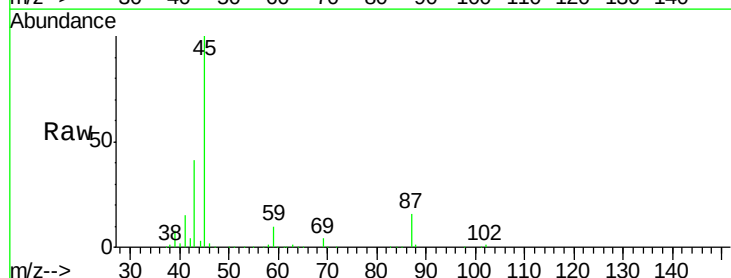
Ion Ratio Lower Upper

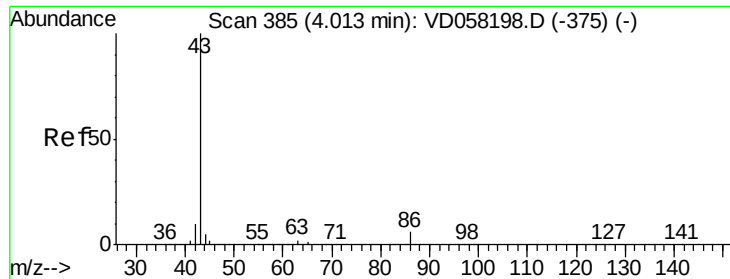
45 100

43 41.2 51.4 77.0#

87 16.3 13.0 19.4

59 9.8 6.9 10.3





#23

Vinyl Acetate

Concen: 78.945 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.05 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

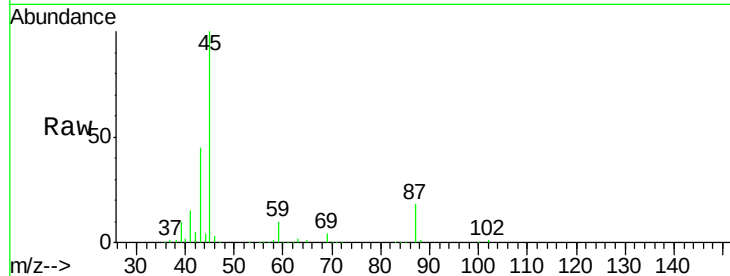
AREA1(S)MSD

Tot Ion: 43 Resp: 535204

Ion Ratio Lower Upper

43 100

86 0.0 5.0 7.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.06

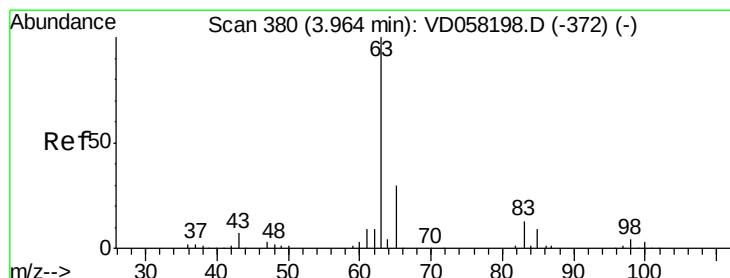
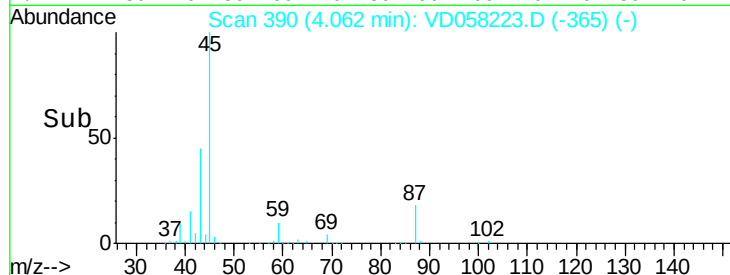
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 79.642 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

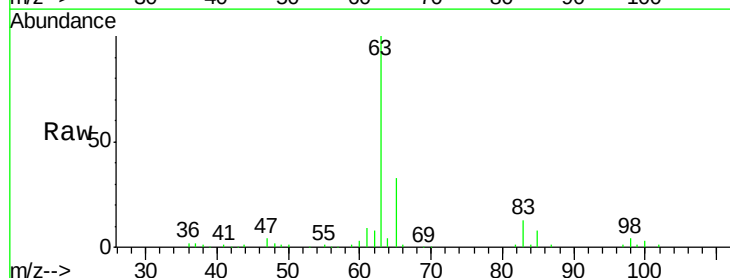
Tgt Ion: 63 Resp: 542626

Ion Ratio Lower Upper

63 100

98 4.4 1.9 5.7

100 2.7 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

3.96

250000

200000

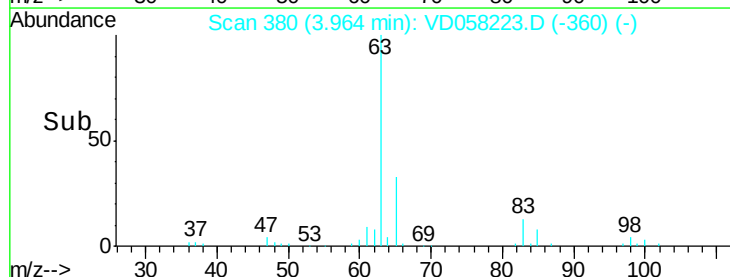
150000

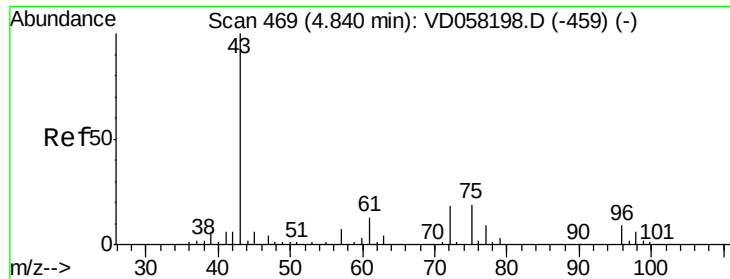
100000

50000

0

Time-->





#25

2-Butanone

Concen: 615.583 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

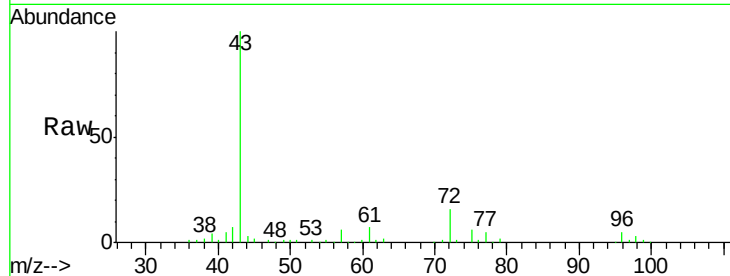
AREA1(S)MSD

Tot Ion: 43 Resp: 738037

Ion Ratio Lower Upper

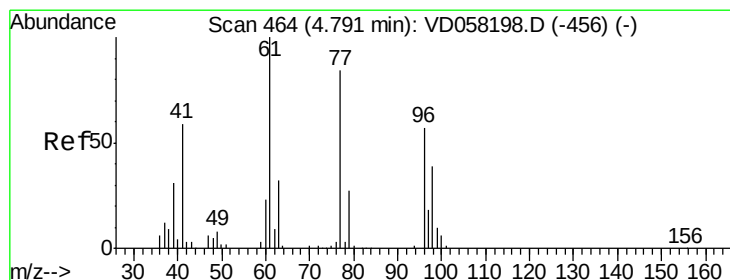
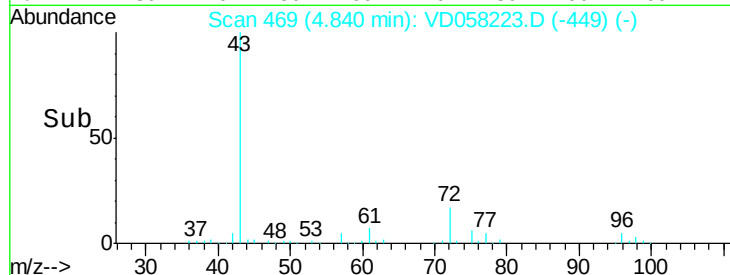
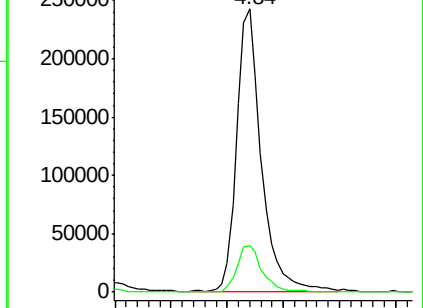
43 100

72 16.5 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 39.926 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD058223.D

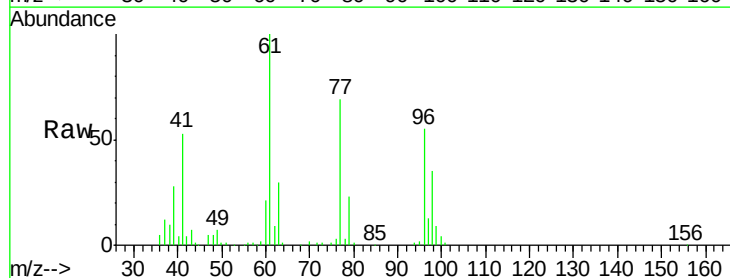
Acq: 20 Jun 2018 21:29

Tgt Ion: 77 Resp: 227780

Ion Ratio Lower Upper

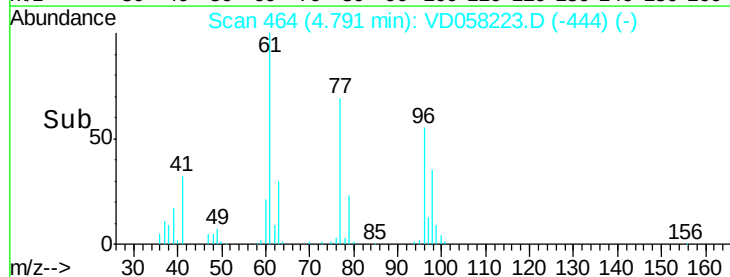
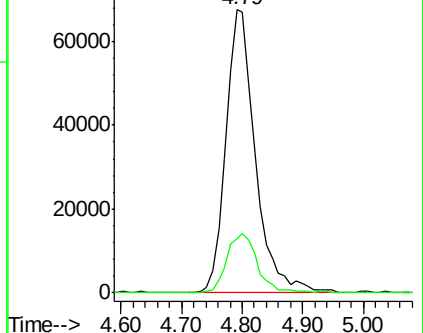
77 100

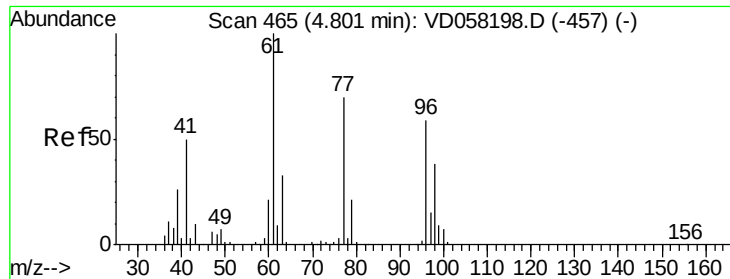
97 19.2 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 49.118 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

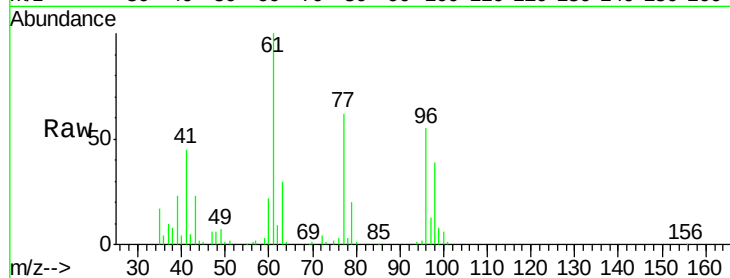
Tot Ion: 96 Resp: 183525

Ion Ratio Lower Upper

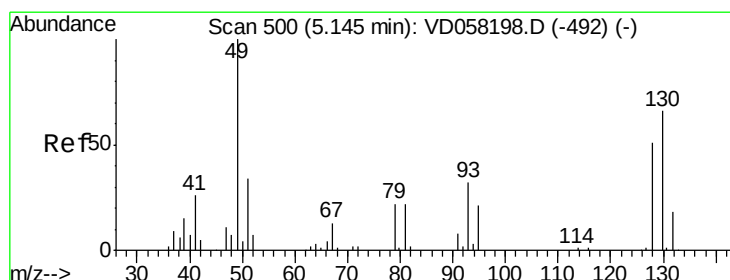
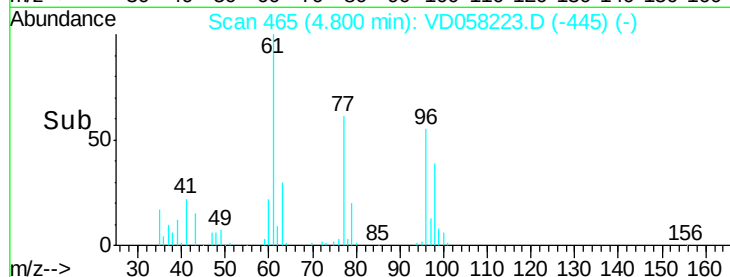
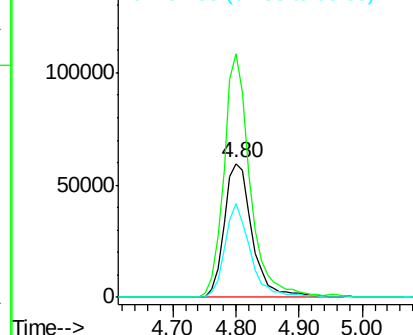
96 100

61 181.7 0.0 338.6

98 70.3 0.0 130.2



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



#28

Bromochloromethane

Concen: 60.417 ug/l

RT: 5.14 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

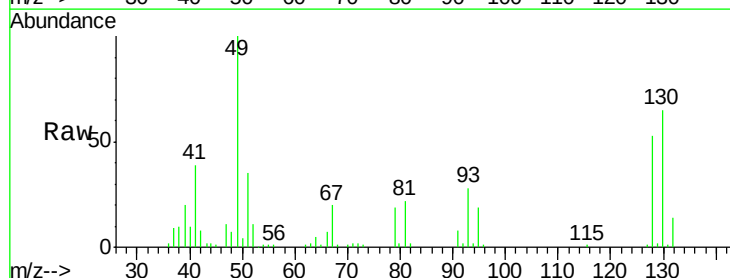
Tgt Ion: 49 Resp: 184528

Ion Ratio Lower Upper

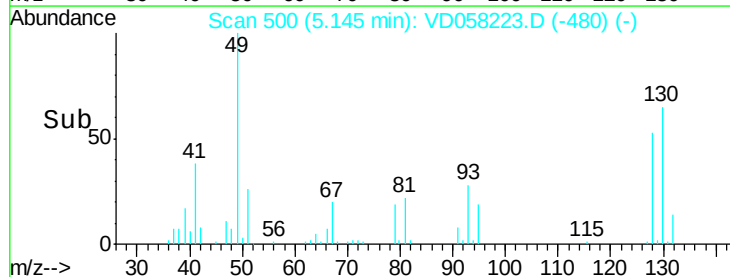
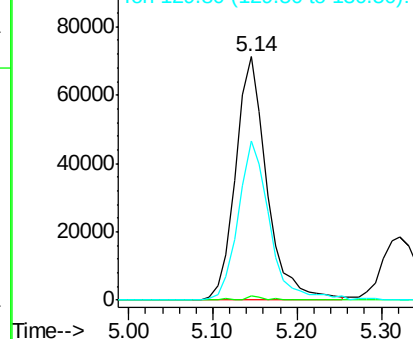
49 100

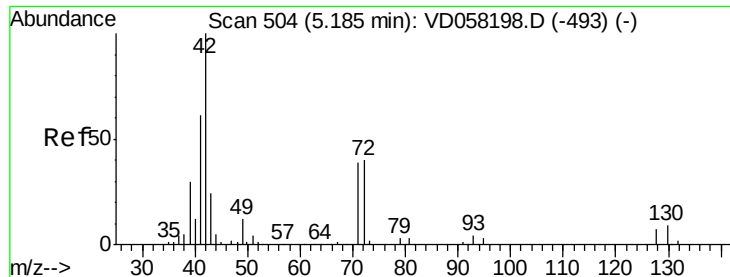
129 1.9 0.0 0.0#

130 65.2 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 543.559 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

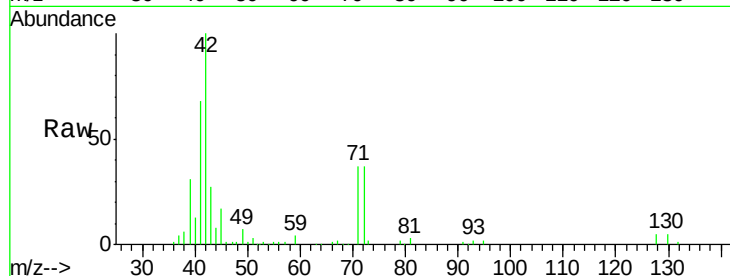
Tot Ion: 42 Resp: 346878

Ion Ratio Lower Upper

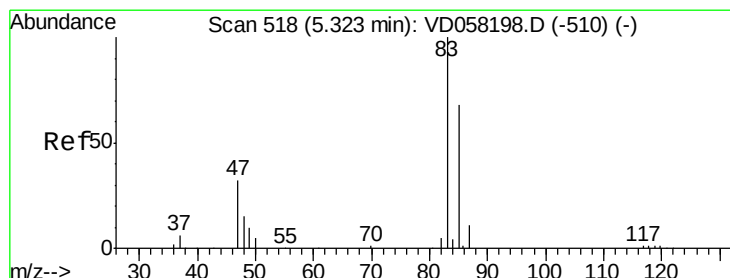
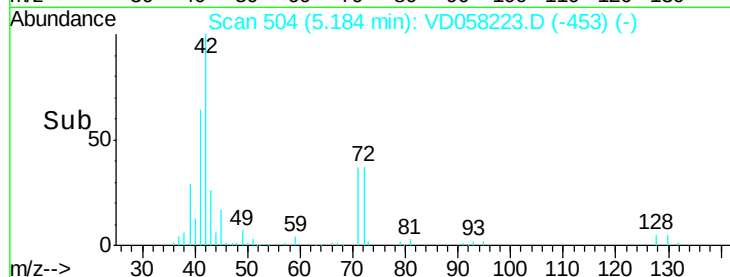
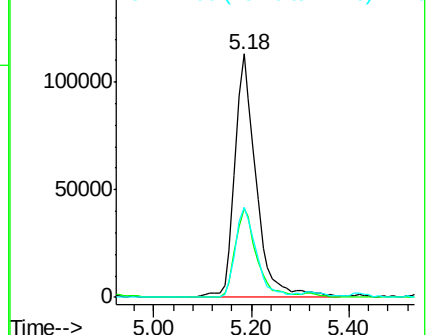
42 100

72 36.5 30.2 45.2

71 36.1 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 71.400 ug/l

RT: 5.32 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD058223.D

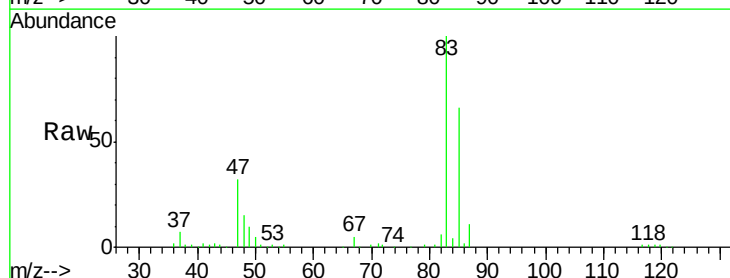
Acq: 20 Jun 2018 21:29

Tgt Ion: 83 Resp: 513579

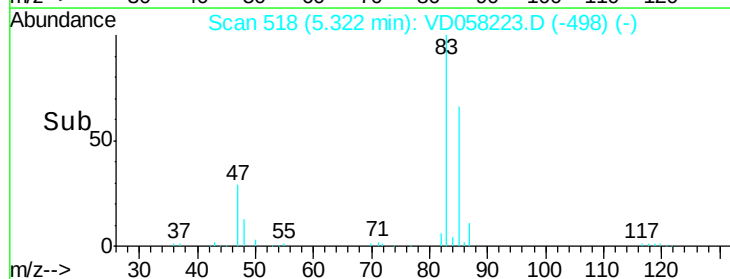
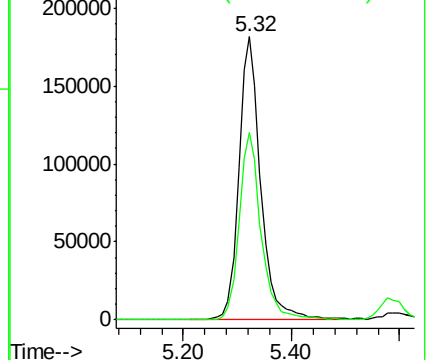
Ion Ratio Lower Upper

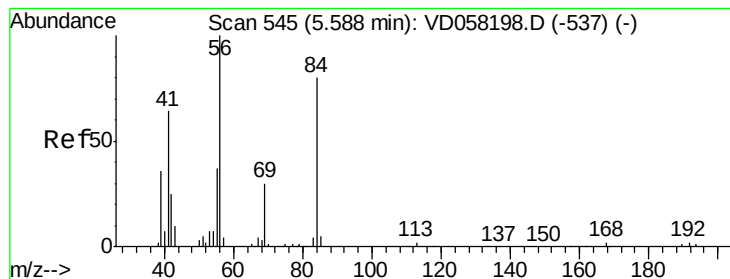
83 100

85 66.0 54.8 82.2



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





#31

Cyclohexane

Concen: 70.190 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

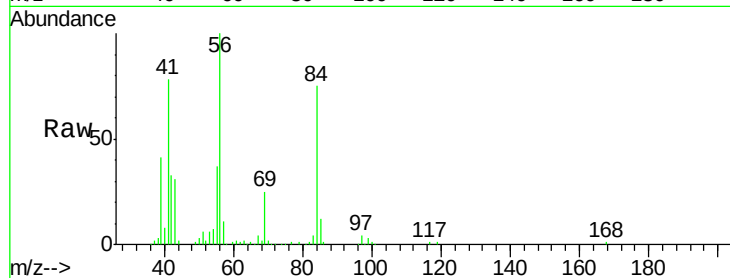
Tot Ion: 56 Resp: 336774

Ion Ratio Lower Upper

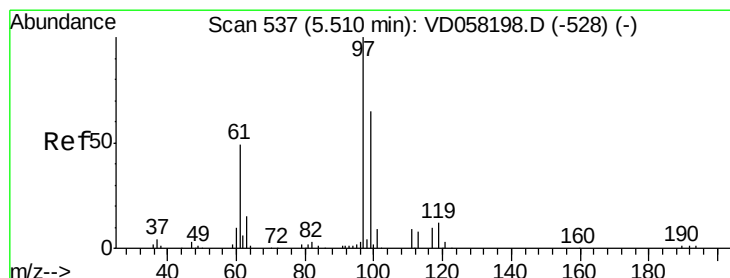
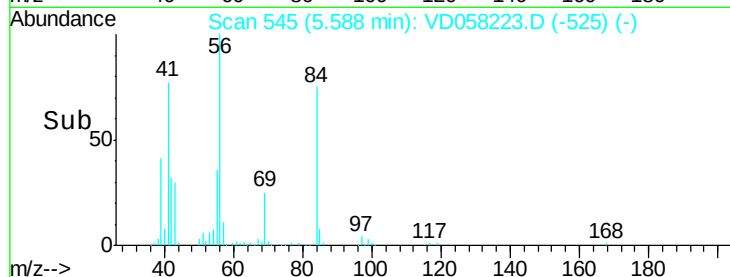
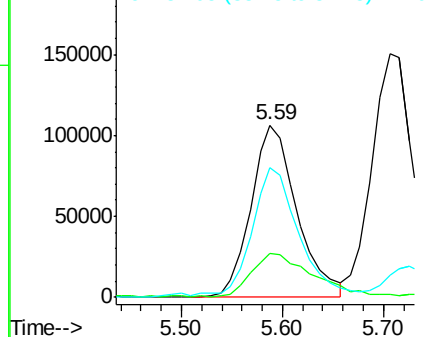
56 100

69 25.2 23.6 35.4

84 75.2 65.2 97.8



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: 68.112 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

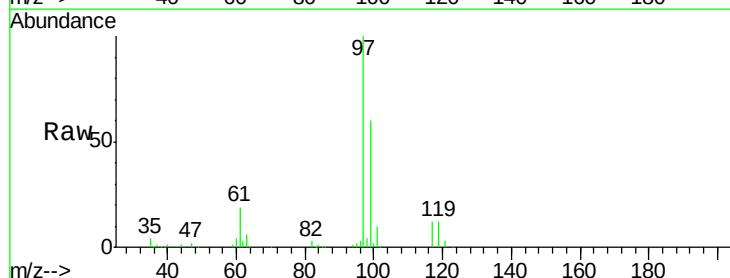
Tgt Ion: 97 Resp: 404787

Ion Ratio Lower Upper

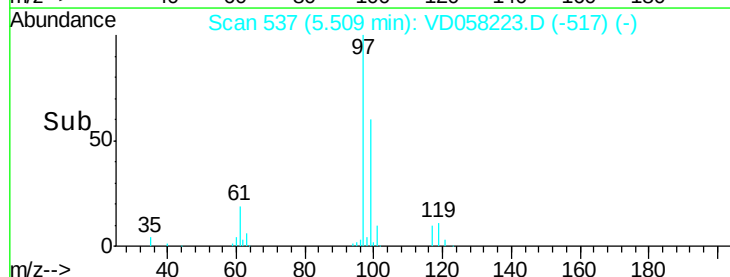
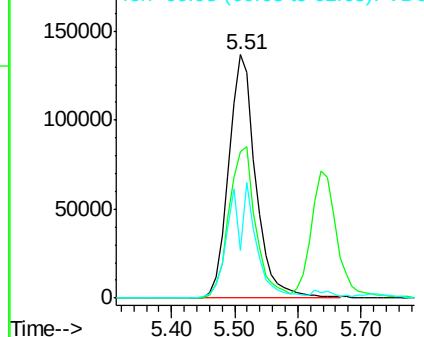
97 100

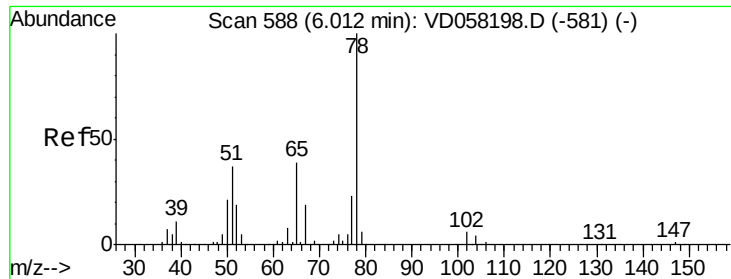
99 60.1 52.2 78.4

61 19.4 39.0 58.4#



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: 68.112 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

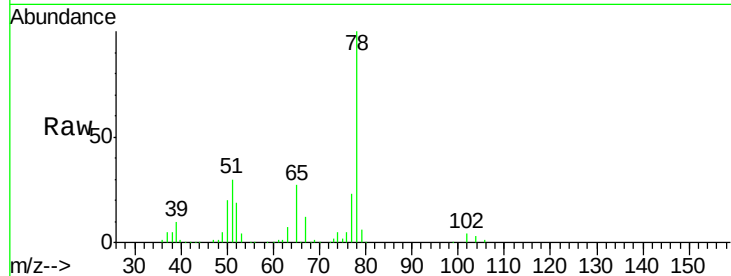
AREA1(S)MSD

Tot Ion: 65 Resp: 216483

Ion Ratio Lower Upper

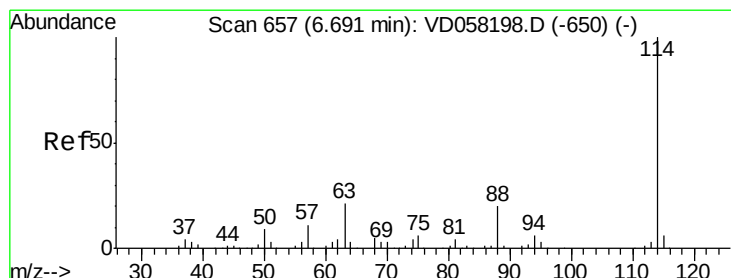
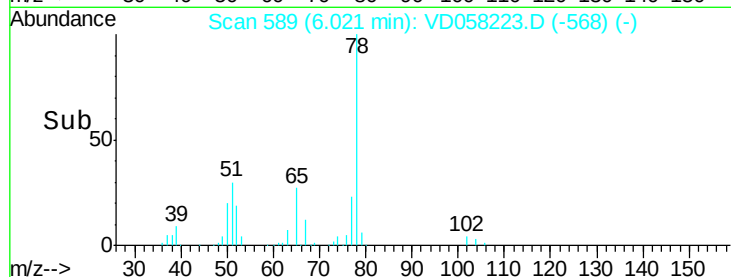
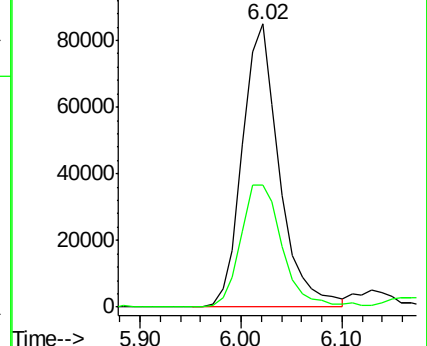
65 100

67 43.2 0.0 97.8



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: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

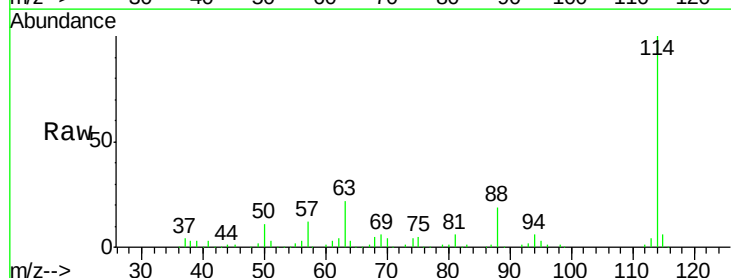
Tgt Ion: 114 Resp: 524724

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

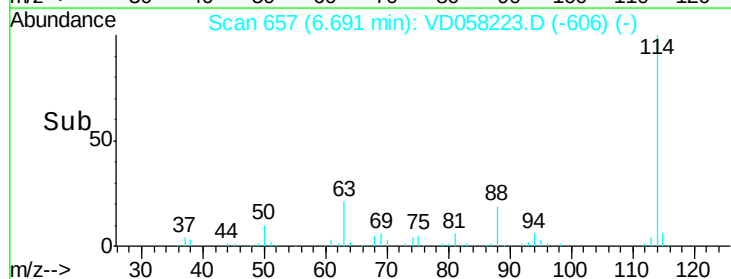
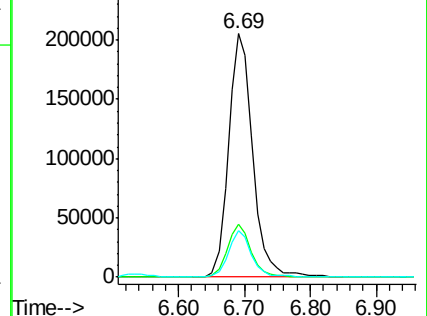
88 19.2 0.0 40.6

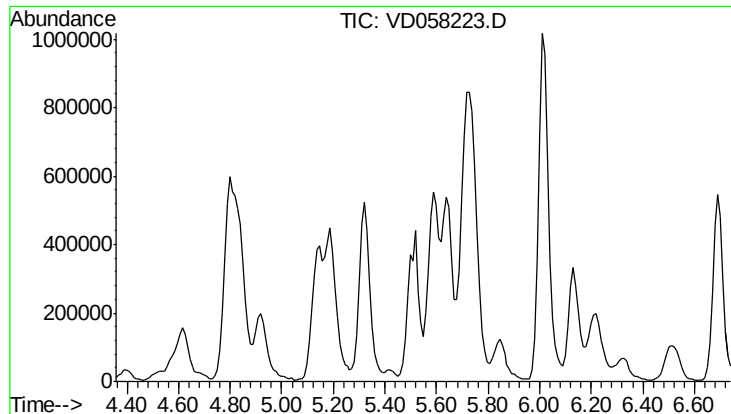


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



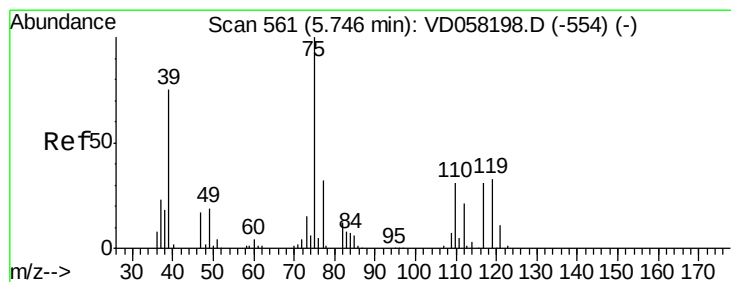
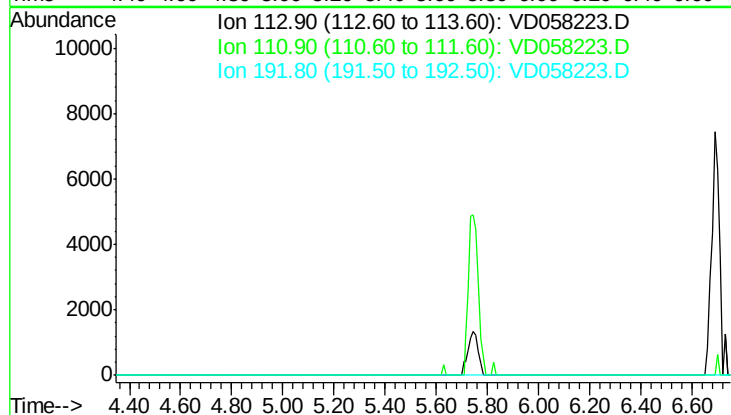


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 5.55 min

Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

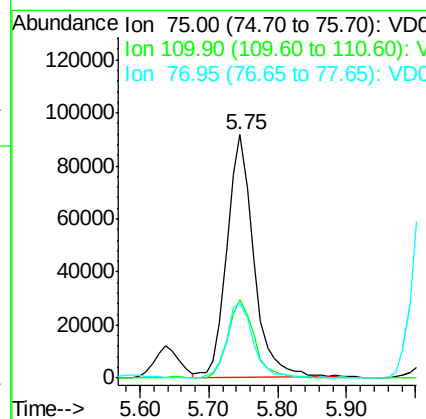
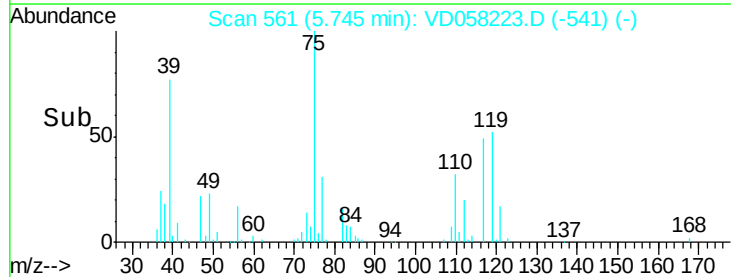
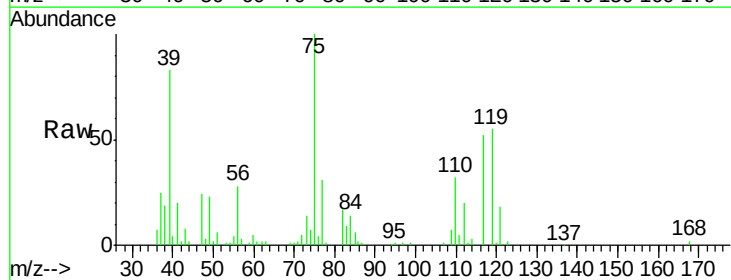
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

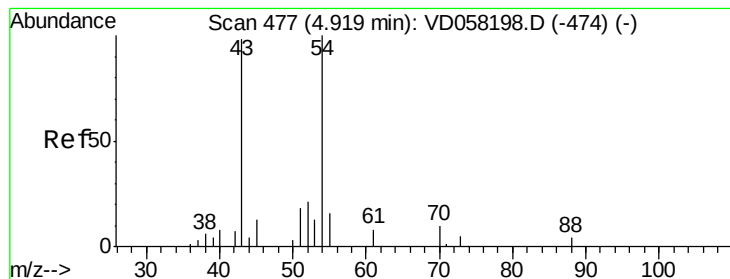
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 100.8
 192 22.2



#36
 1,1-Dichloropropene
 Concen: 47.454 ug/l
 RT: 5.75 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion: 75 Resp: 246328
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.4 46.4
 77 30.6 25.4 38.2





#37

Ethyl Acetate

Concen: 248.538 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.08 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

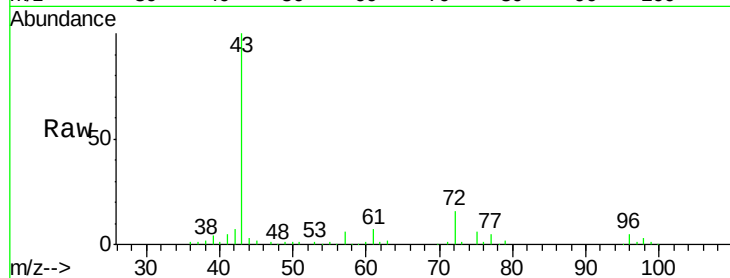
Tot Ion: 43 Resp: 735070

Ion Ratio Lower Upper

43 100

61 6.7 10.3 15.5#

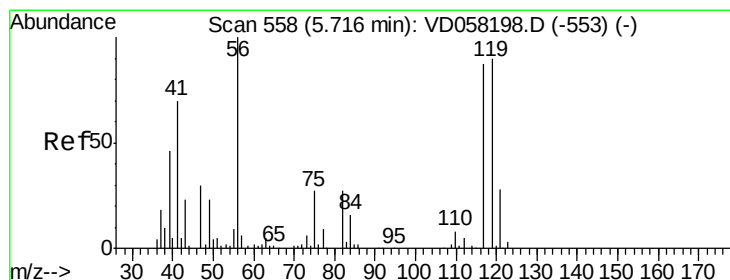
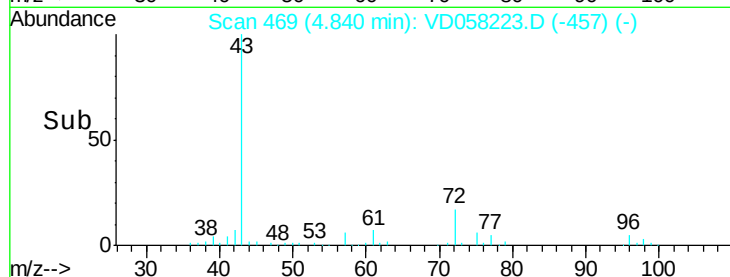
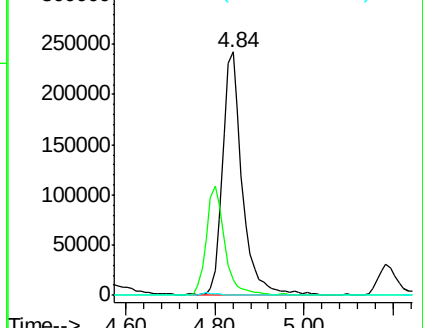
70 0.2 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 55.853 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

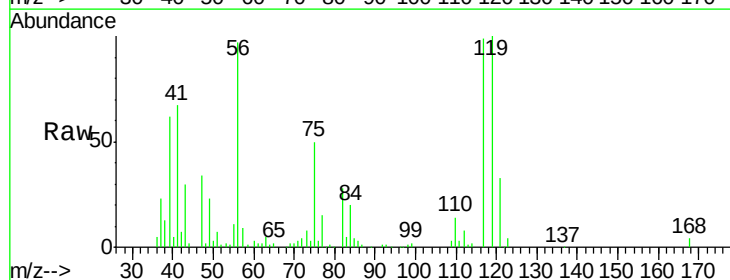
Tgt Ion: 117 Resp: 288073

Ion Ratio Lower Upper

117 100

119 100.7 78.8 118.2

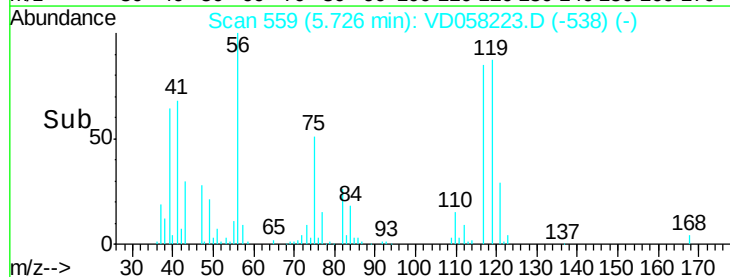
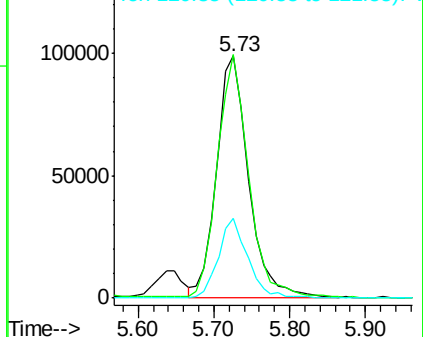
121 32.8 25.0 37.6

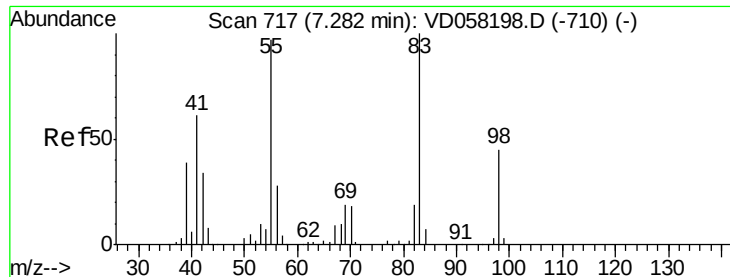


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

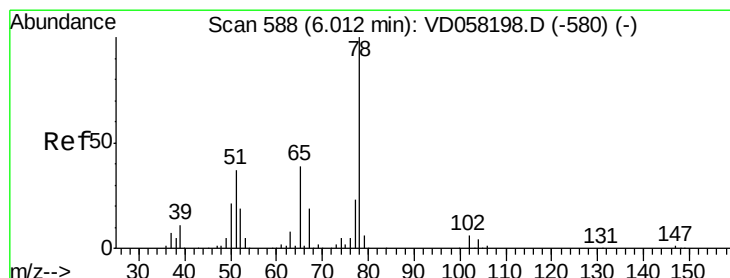
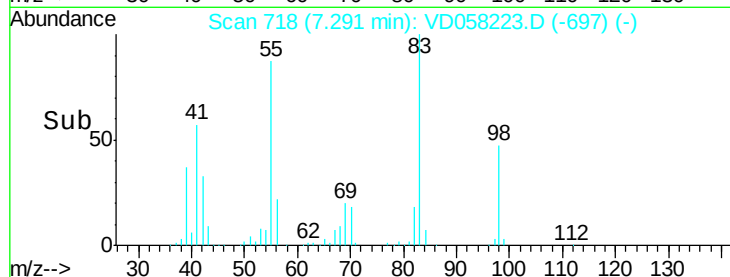
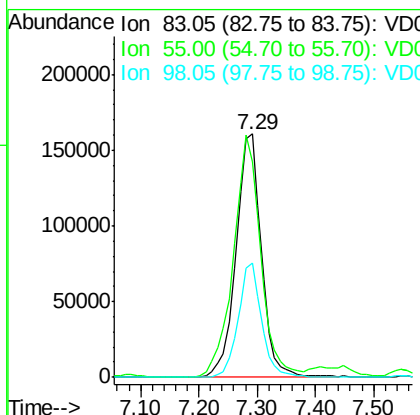
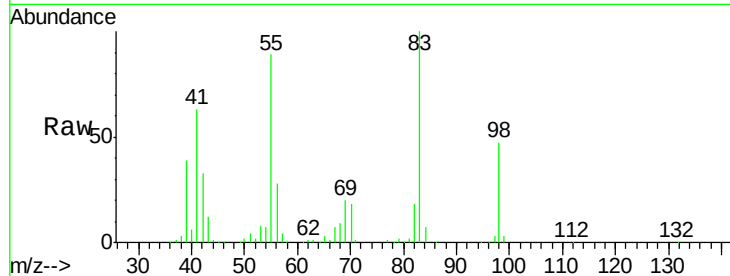




#39
Methylvlcyclohexane
Concen: 96.438 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

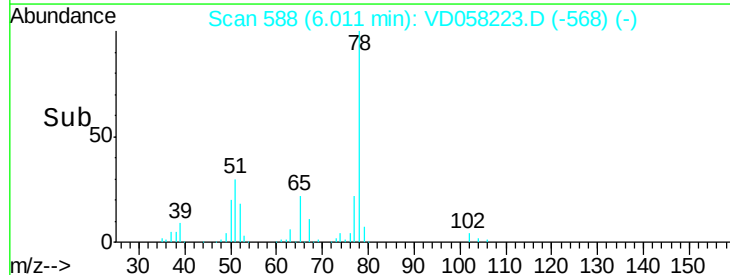
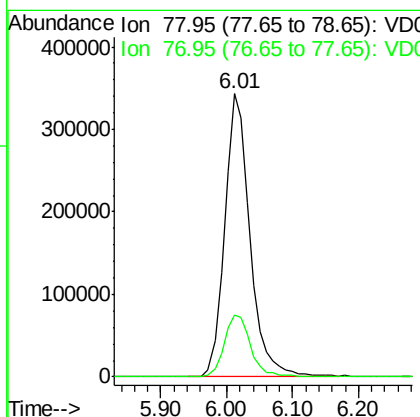
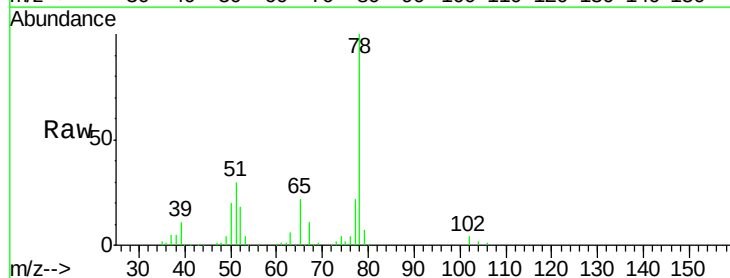
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

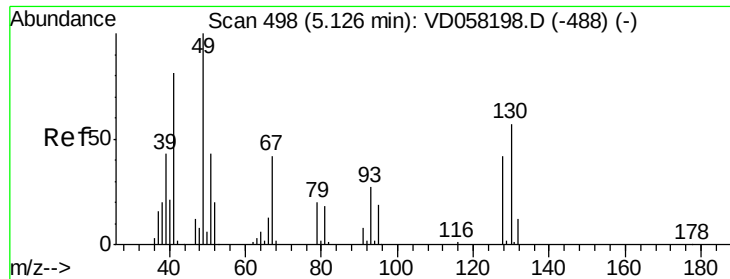
Tot Ion: 83 Resp: 487592
Ion Ratio Lower Upper
83 100
55 88.5 77.4 116.2
98 47.0 35.9 53.9



#40
Benzene
Concen: 74.547 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 78 Resp: 921791
Ion Ratio Lower Upper
78 100
77 22.1 18.5 27.7

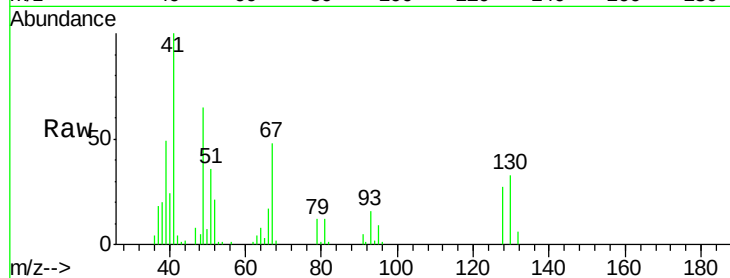




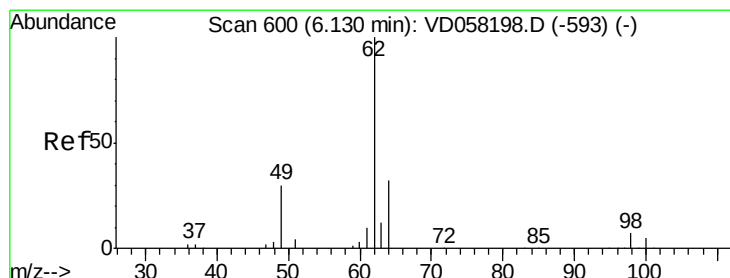
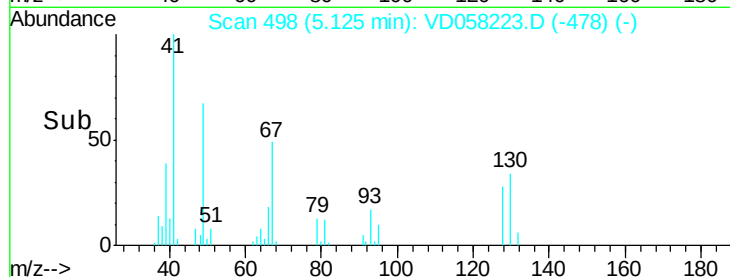
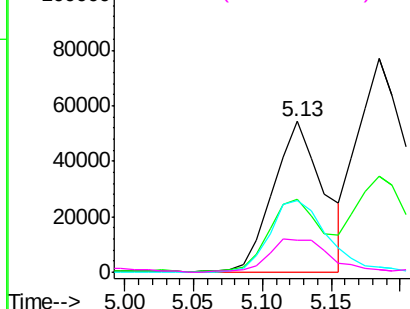
#41
Methacrylonitrile
Concen: 96.406 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion: 41 Resp: 137683
Ion Ratio Lower Upper
41 100
39 48.8 43.4 65.2
67 47.6 41.7 62.5
52 20.9 20.6 30.8

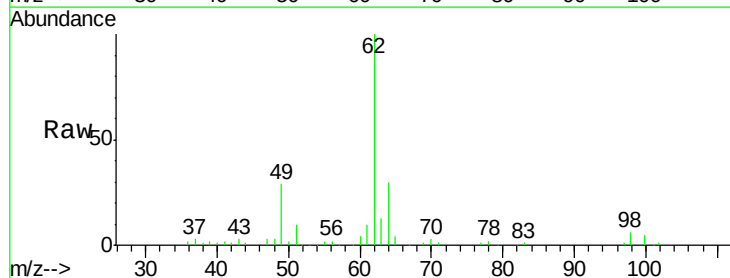


Abundance Ion 40.95 (40.65 to 41.65): VDC
120000 Ion 38.95 (38.65 to 39.65): VDC
100000 Ion 67.00 (66.70 to 67.70): VDC
80000 Ion 52.00 (51.70 to 52.70): VDC

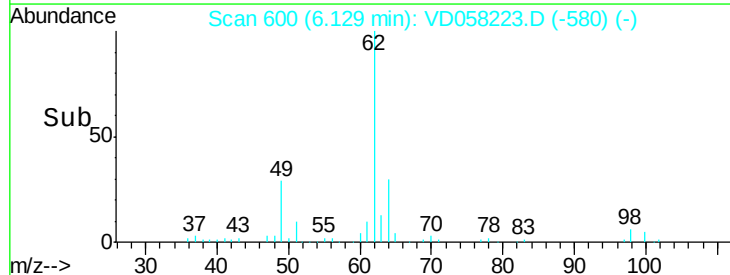
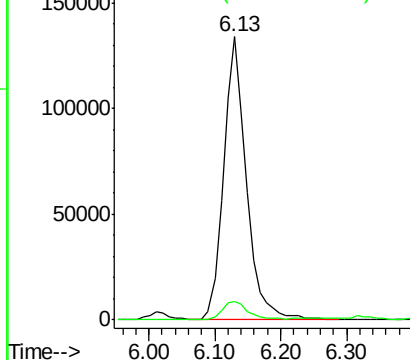


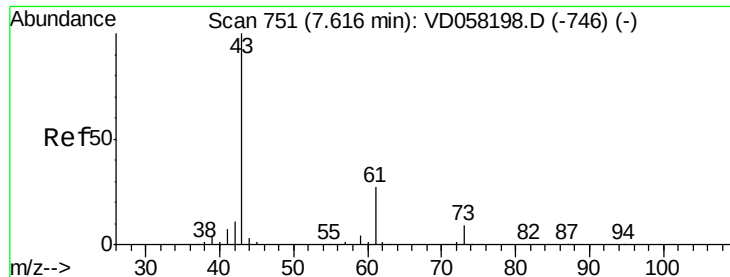
#42
1,2-Dichloroethane
Concen: 64.838 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 62 Resp: 323274
Ion Ratio Lower Upper
62 100
98 6.5 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
150000 Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.913 ug/l

RT: 7.65 min Scan# 754

Delta R.T. 0.03 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

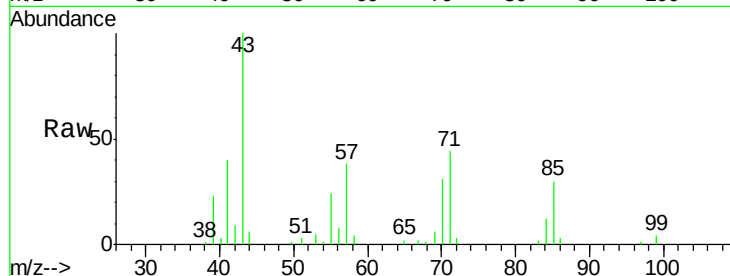
Tot Ion: 43 Resp: 90348

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

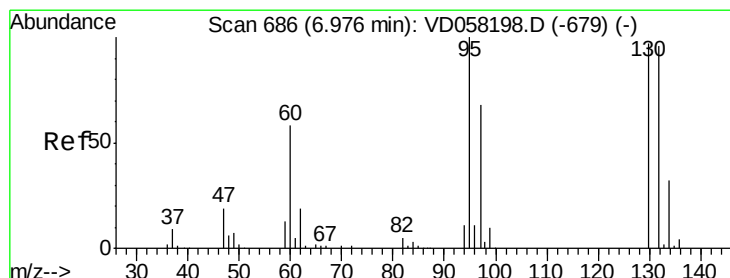
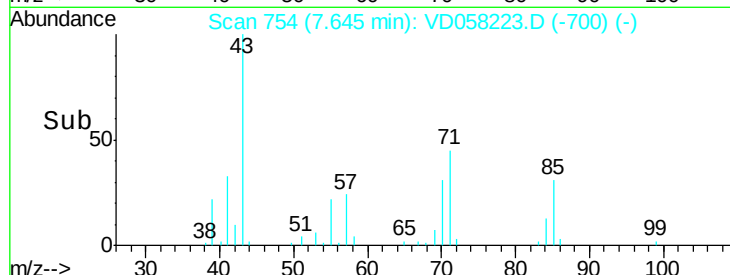
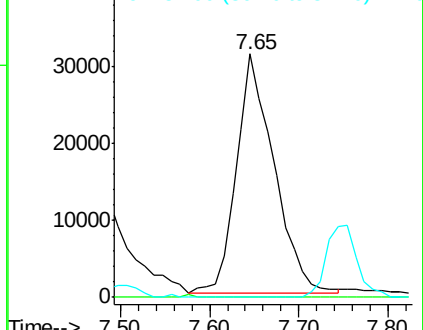
87 0.0 0.3 0.5#



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: 82.220 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.00 min

Lab File: VD058223.D

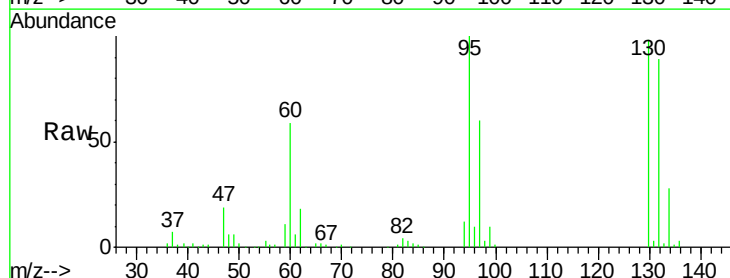
Acq: 20 Jun 2018 21:29

Tgt Ion:130 Resp: 305284

Ion Ratio Lower Upper

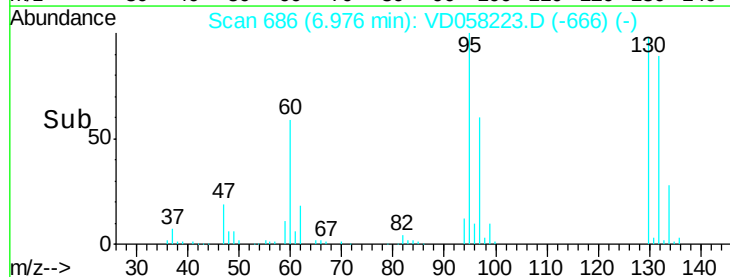
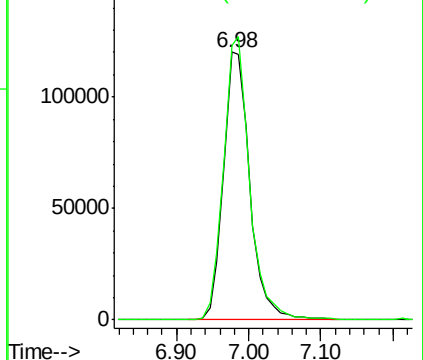
130 100

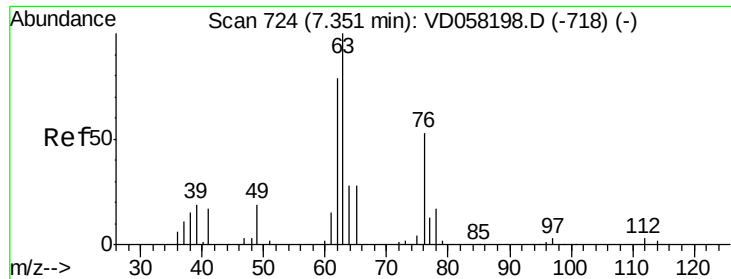
95 102.5 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

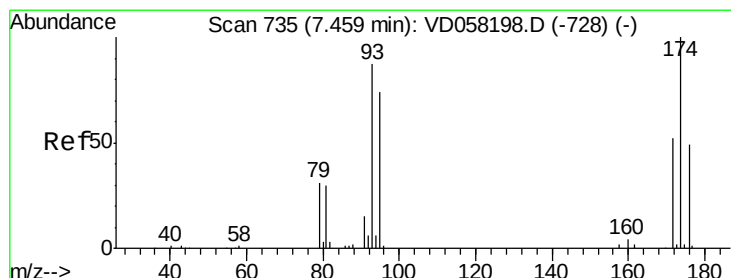
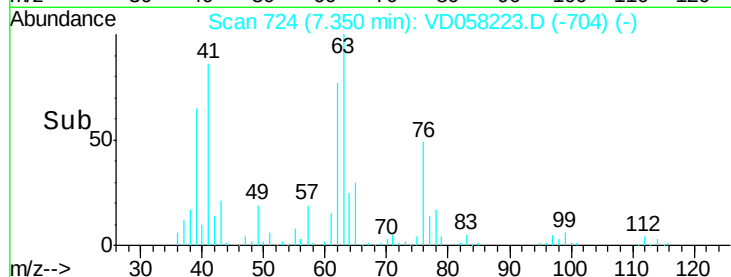
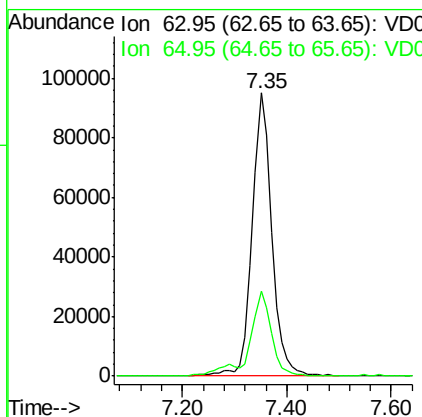
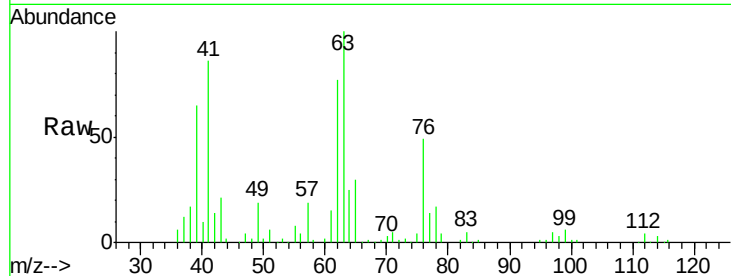




#45
 1,2-Dichloropropane
 Concen: 71.668 ug/l
 RT: 7.35 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

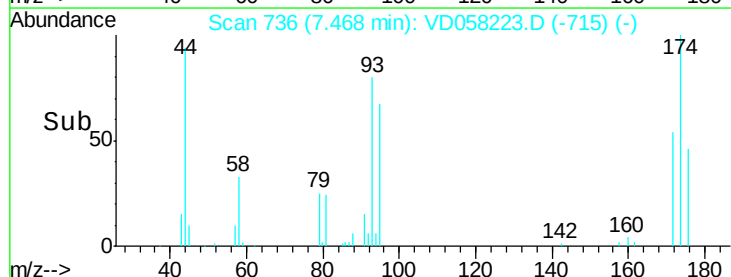
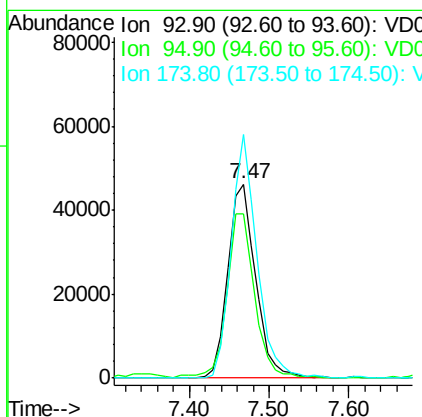
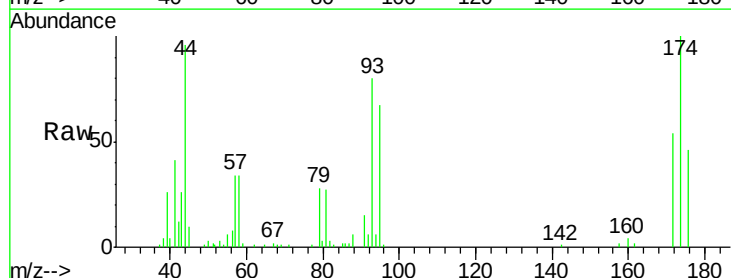
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

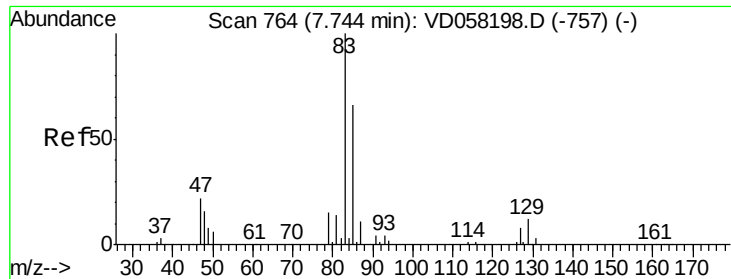
Tot Ion: 63 Resp: 238661
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0



#46
 Dibromomethane
 Concen: 49.805 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. 0.01 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion: 93 Resp: 113224
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.8 101.6
 174 125.6 92.2 138.2





#47

Bromodichloromethane

Concen: 41.869 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

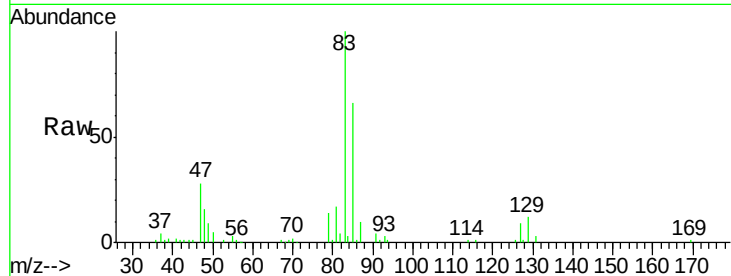
Tot Ion: 83 Resp: 217053

Ion Ratio Lower Upper

83 100

85 65.6 52.6 78.8

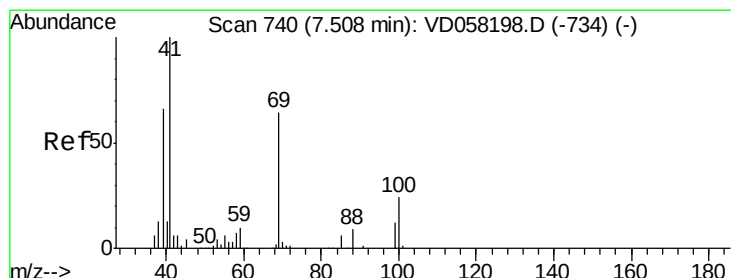
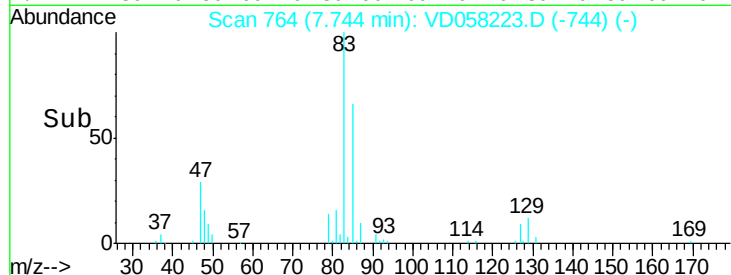
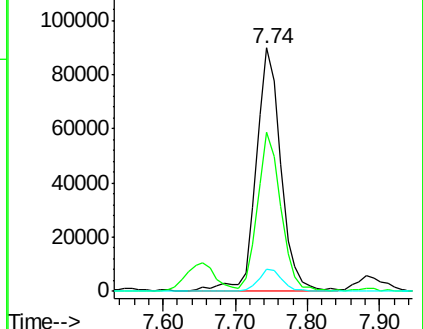
127 8.9 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 8.490 ug/l

RT: 7.55 min Scan# 744

Delta R.T. 0.04 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

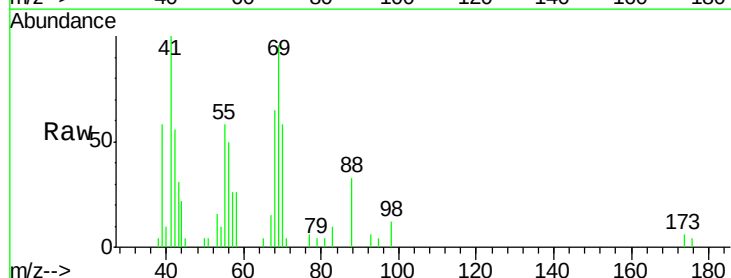
Tgt Ion: 41 Resp: 20346

Ion Ratio Lower Upper

41 100

69 95.8 50.7 76.1#

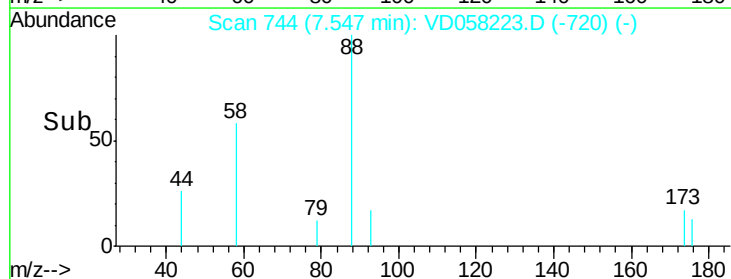
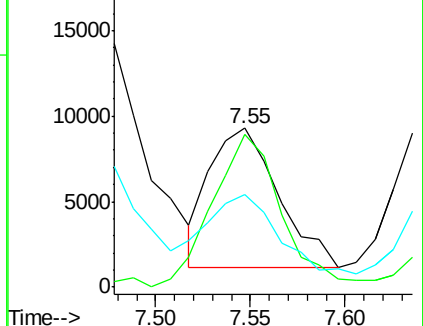
39 58.1 52.6 78.8

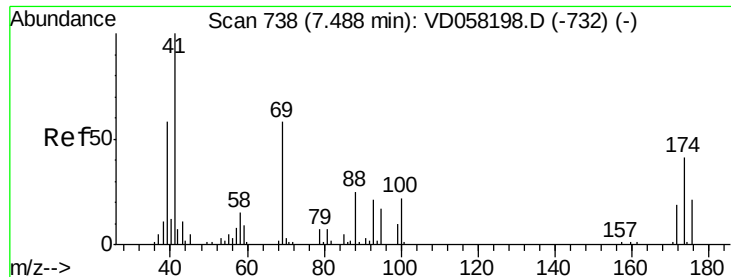


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

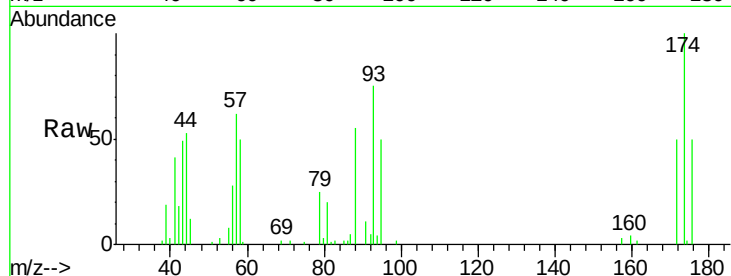




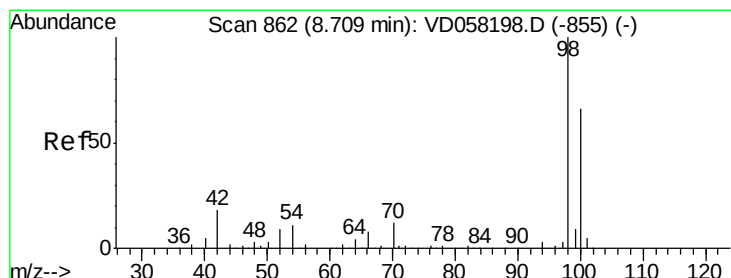
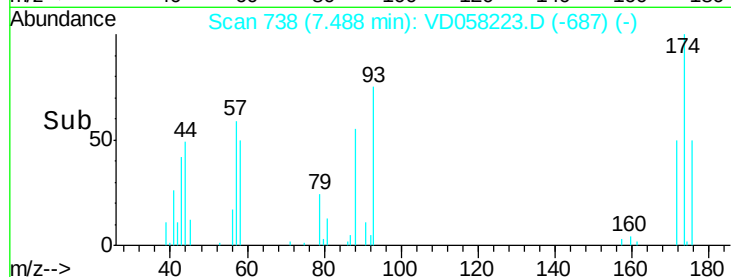
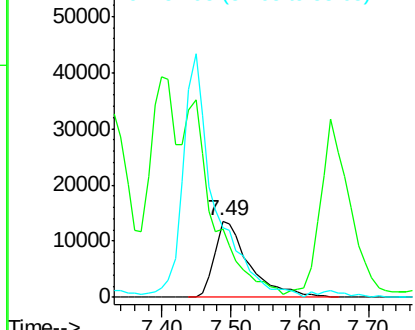
#49
1,4-Dioxane
Concen: 2173.172 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion: 88 Resp: 47011
Ion Ratio Lower Upper
88 100
43 90.1 34.2 51.2#
58 91.3 47.9 71.9#

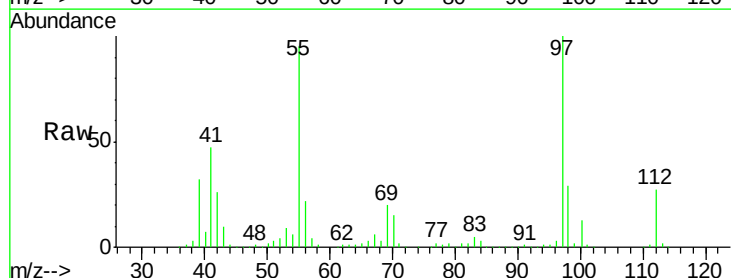


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

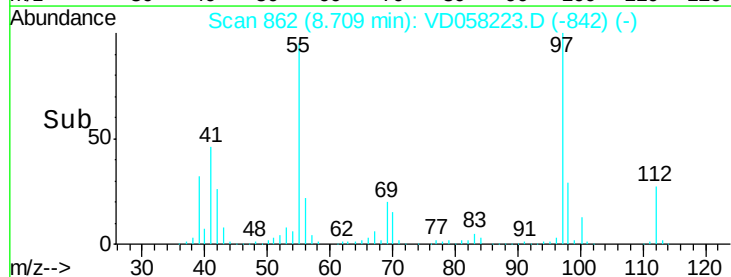
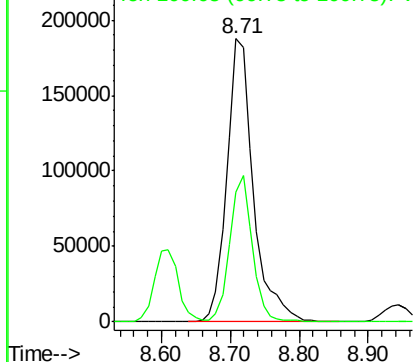


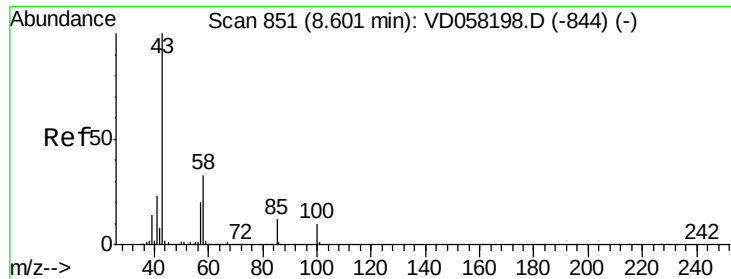
#50
Toluene-d8
Concen: 2173.172 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 98 Resp: 500000
Ion Ratio Lower Upper
98 100
100 45.7 53.6 80.4#



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: 504.669 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

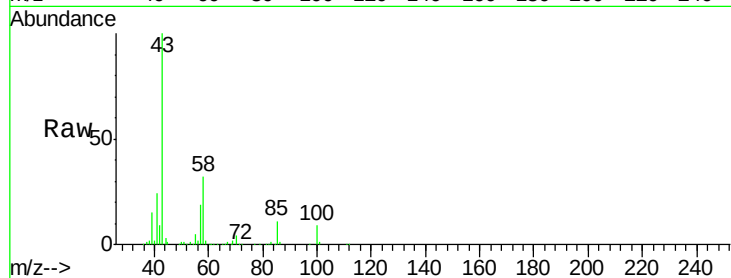
AREA1(S)MSD

Tot Ion: 43 Resp: 1297980

Ion Ratio Lower Upper

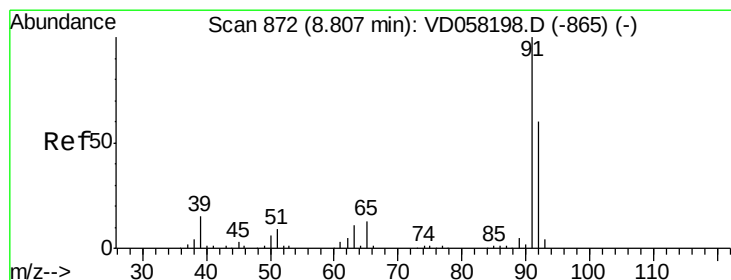
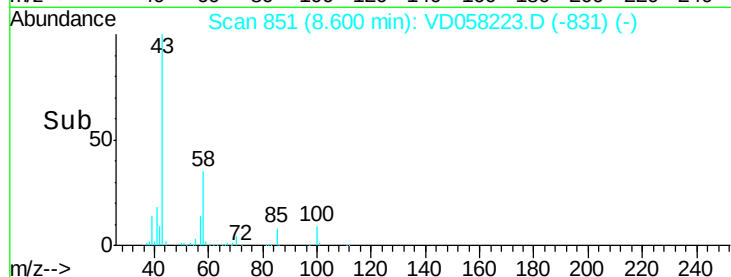
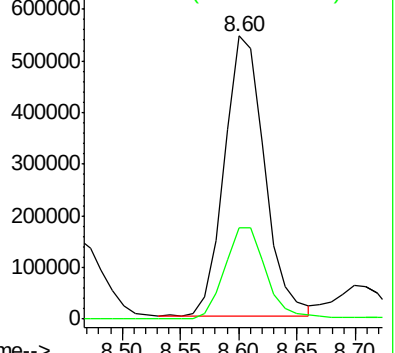
43 100

58 32.3 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 110.052 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058223.D

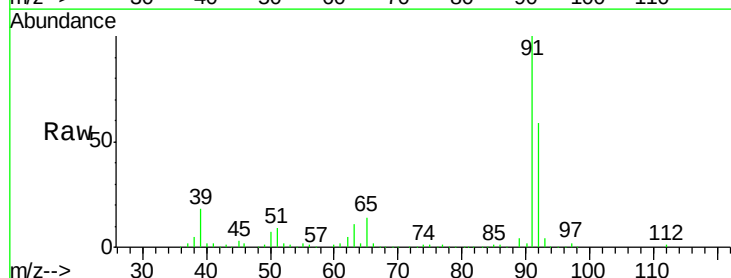
Acq: 20 Jun 2018 21:29

Tgt Ion: 92 Resp: 774869

Ion Ratio Lower Upper

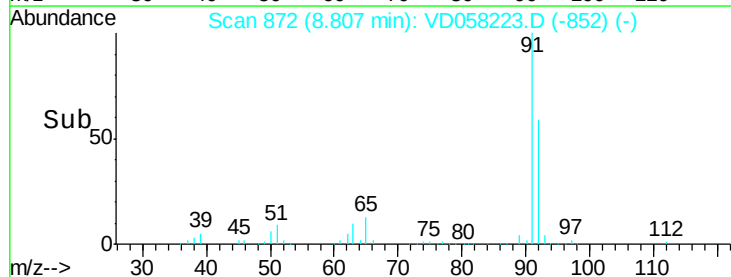
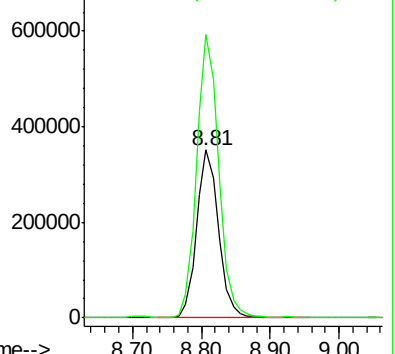
92 100

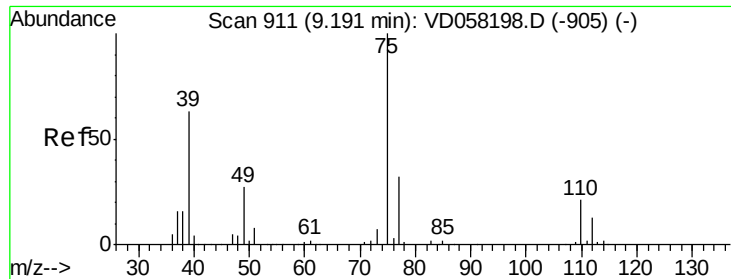
91 168.9 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

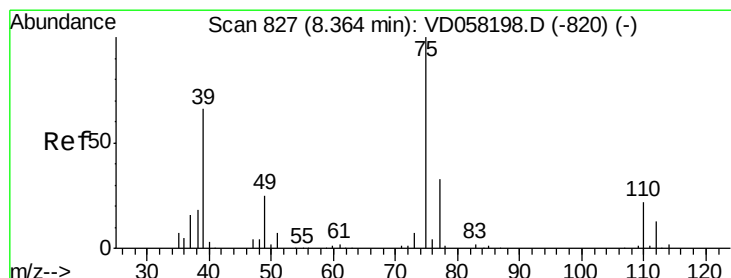
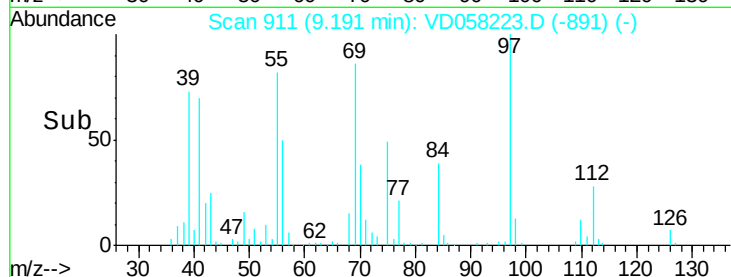
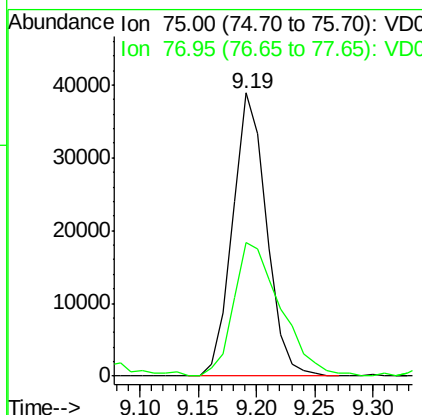
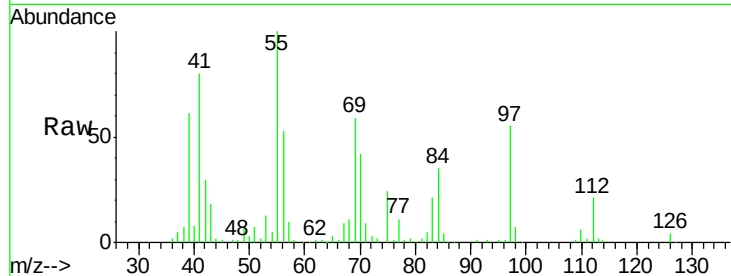




#53
 t-1,3-Dichloropropene
 Concen: 17.355 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

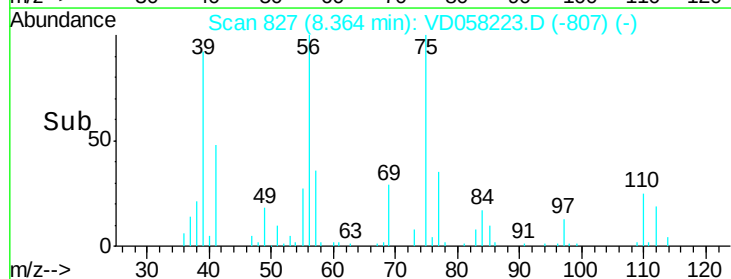
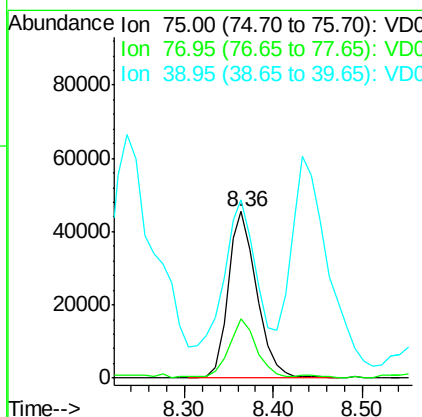
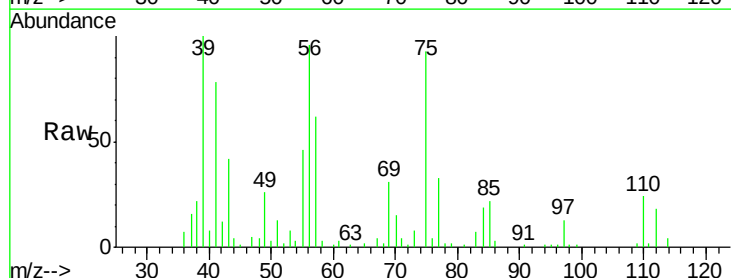
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

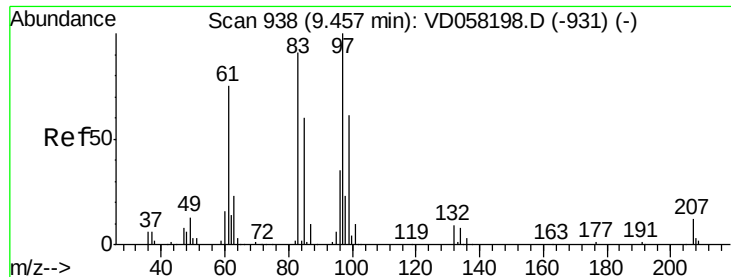
Tot Ion: 75 Resp: 78221
 Ion Ratio Lower Upper
 75 100
 77 47.0 25.8 38.8#



#54
 cis-1,3-Dichloropropene
 Concen: 19.377 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion: 75 Resp: 102387
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.5 39.7
 39 107.3 52.9 79.3#





#55

1,1,2-Trichloroethane

Concen: 14.731 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

Tot Ion: 97 Resp: 36696

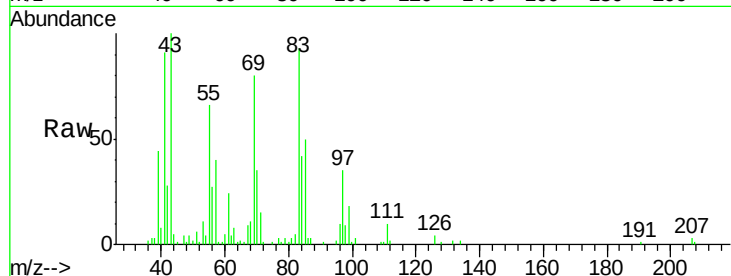
Ion Ratio Lower Upper

97 100

83 270.2 72.9 109.3#

85 145.9 48.2 72.4#

99 53.2 48.9 73.3



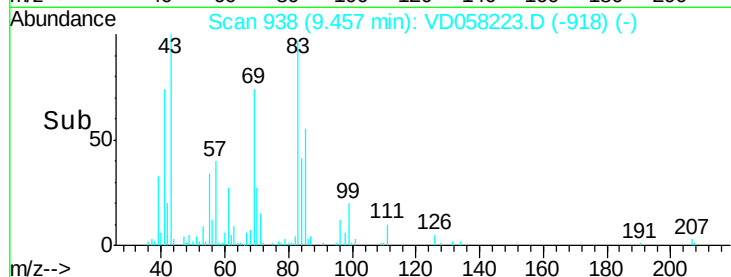
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

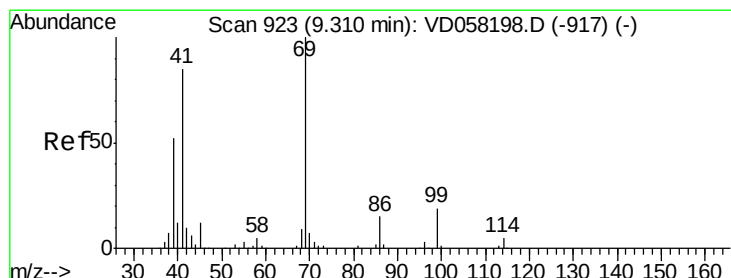
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 92.751 ug/l

RT: 9.38 min Scan# 930

Delta R.T. 0.07 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

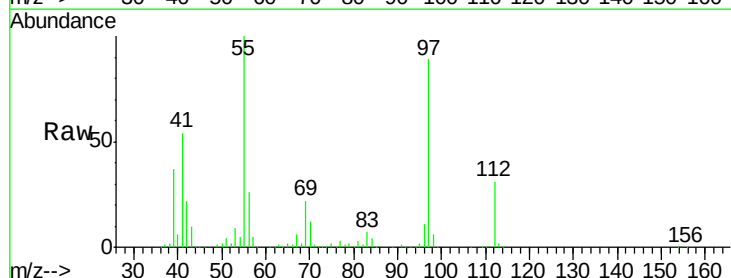
Tgt Ion: 69 Resp: 276321

Ion Ratio Lower Upper

69 100

41 245.5 67.6 101.4#

39 171.0 42.2 63.2#

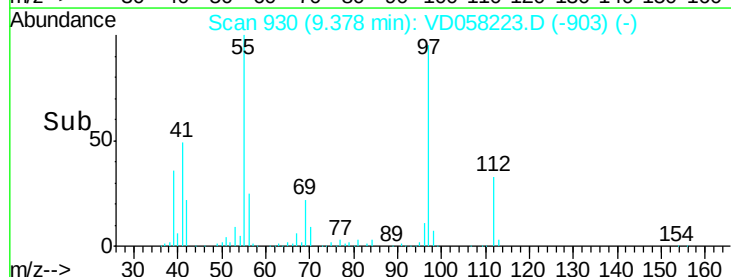


Abundance Ion 69.00 (68.70 to 69.70): VDC

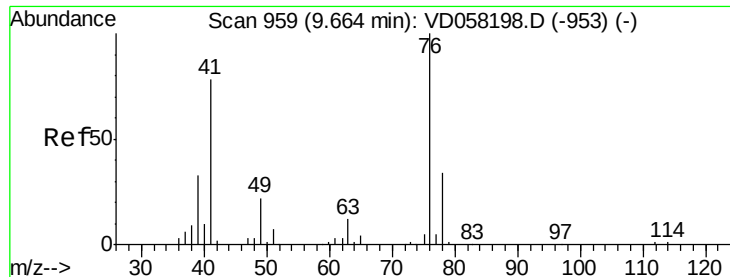
Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 61.031 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

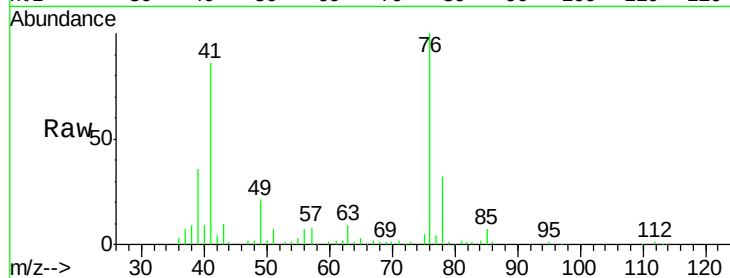
AREA1(S)MSD

Tot Ion: 76 Resp: 256097

Ion Ratio Lower Upper

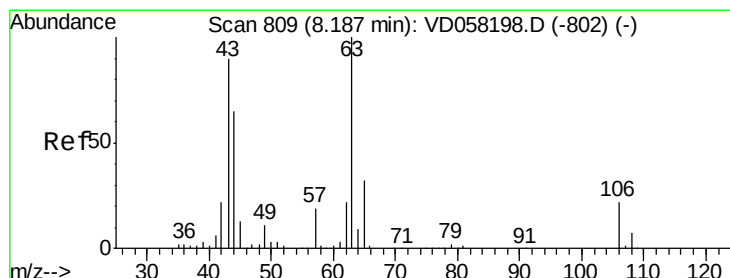
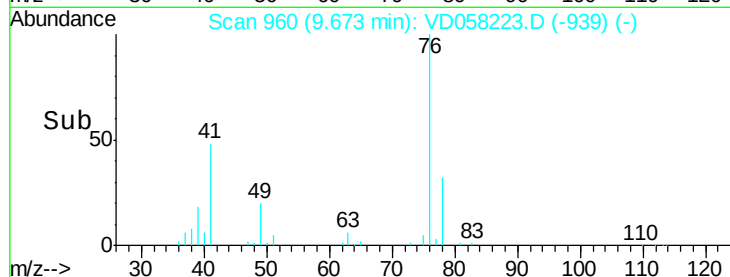
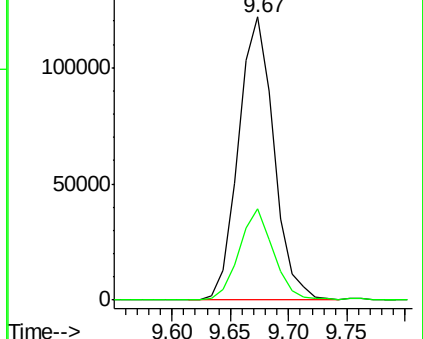
76 100

78 32.4 27.0 40.6



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: 342.095 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058223.D

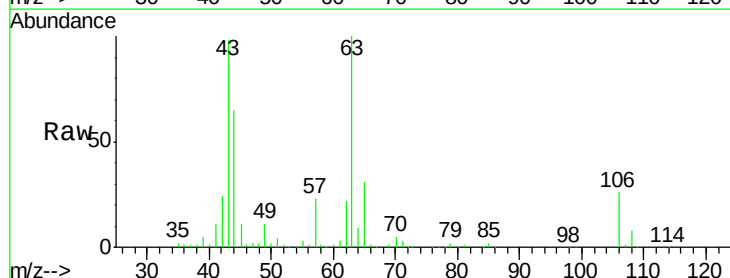
Acq: 20 Jun 2018 21:29

Tgt Ion: 63 Resp: 504540

Ion Ratio Lower Upper

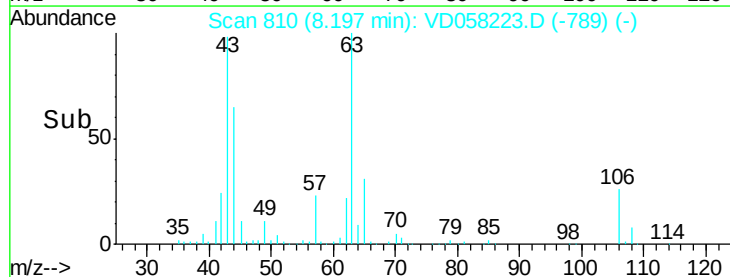
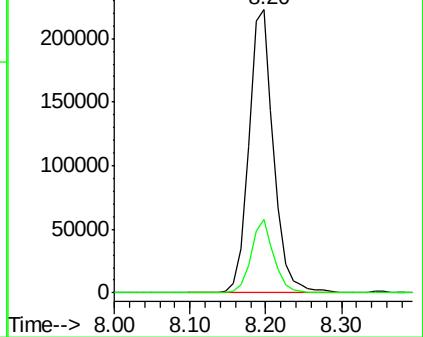
63 100

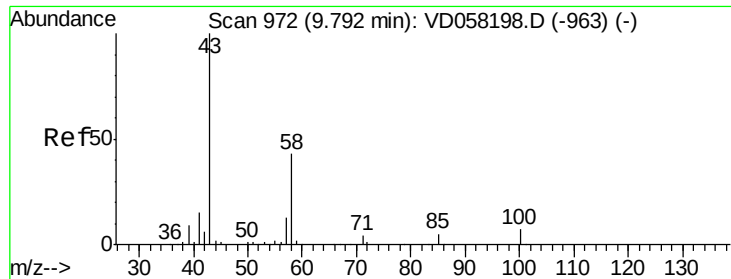
106 26.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

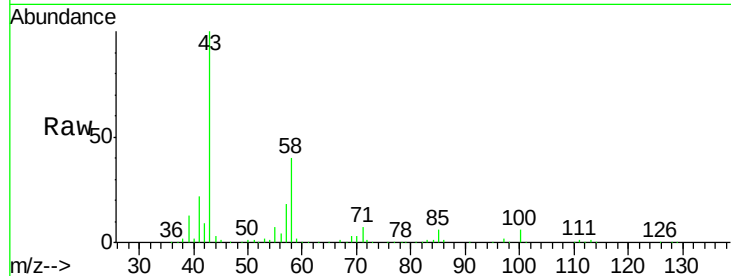




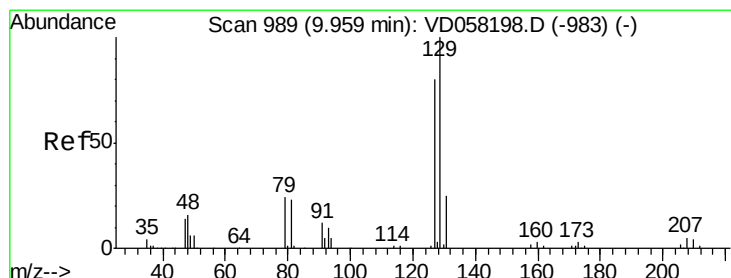
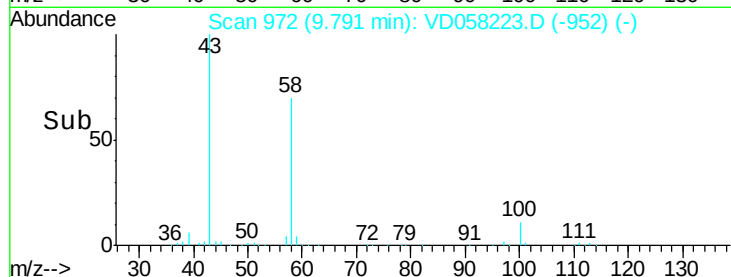
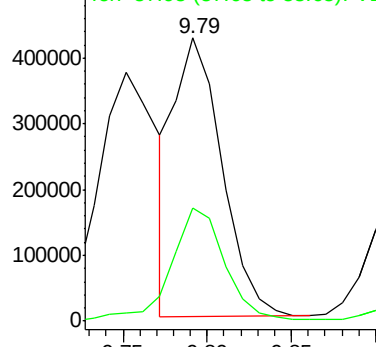
#59
2-Hexanone
Concen: 447.217 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion: 43 Resp: 831124
Ion Ratio Lower Upper
43 100
58 40.2 21.7 65.1

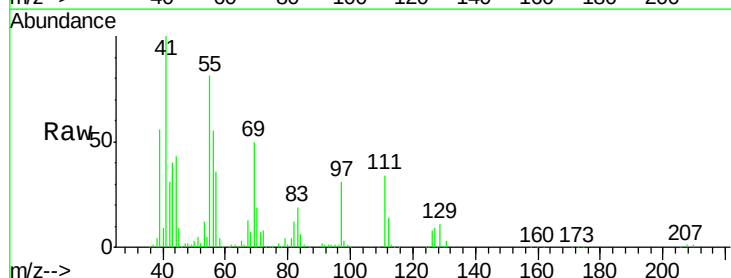


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

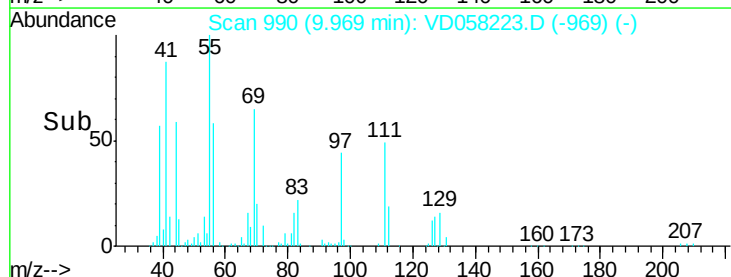
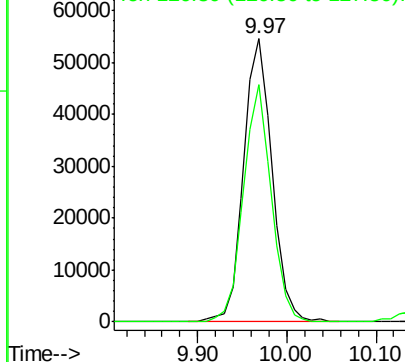


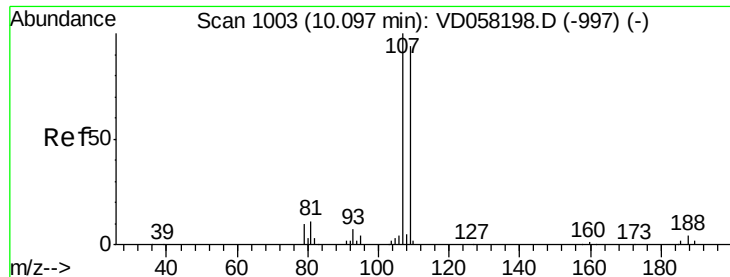
#60
Dibromochloromethane
Concen: 35.589 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion:129 Resp: 120317
Ion Ratio Lower Upper
129 100
127 83.8 39.8 119.4



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





#61

1,2-Dibromoethane

Concen: 42.800 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

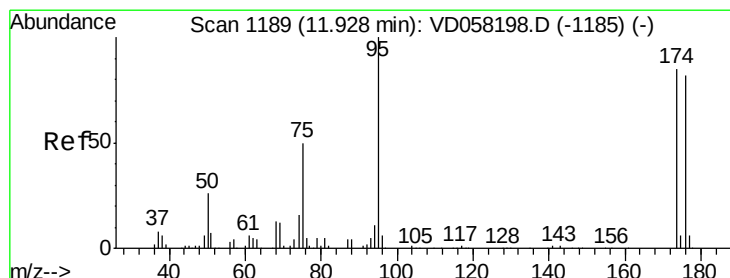
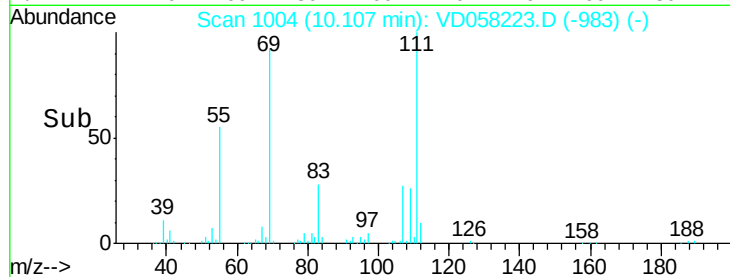
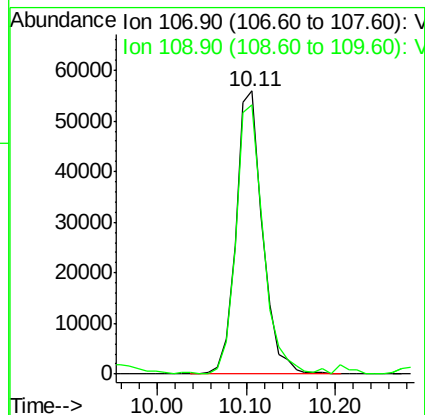
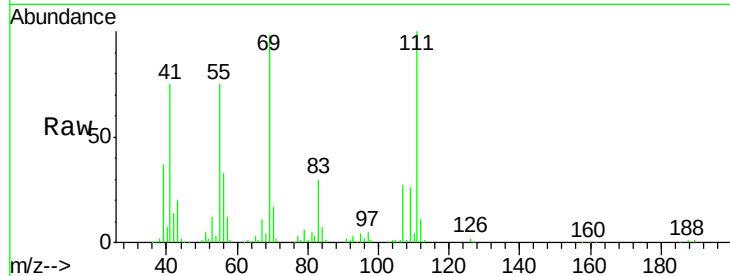
AREA1(S)MSD

Tot Ion:107 Resp: 116694

Ion Ratio Lower Upper

107 100

109 94.9 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 42.800 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

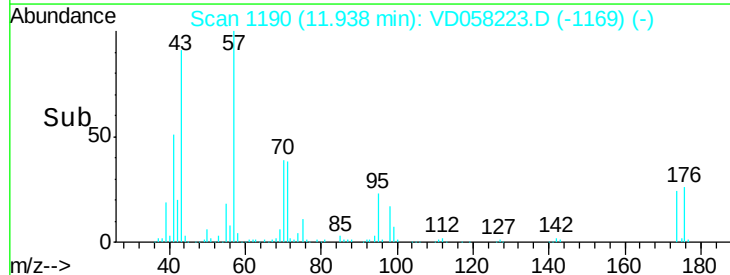
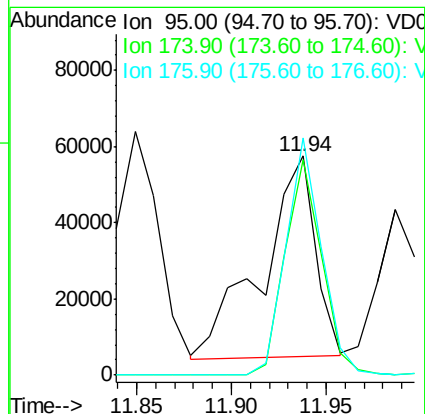
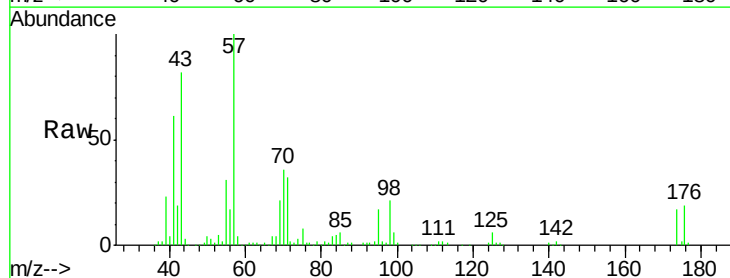
Tgt Ion: 95 Resp: 104009

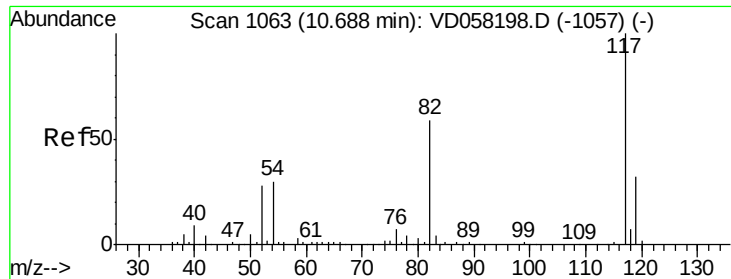
Ion Ratio Lower Upper

95 100

174 98.6 0.0 170.2

176 108.1 0.0 164.6

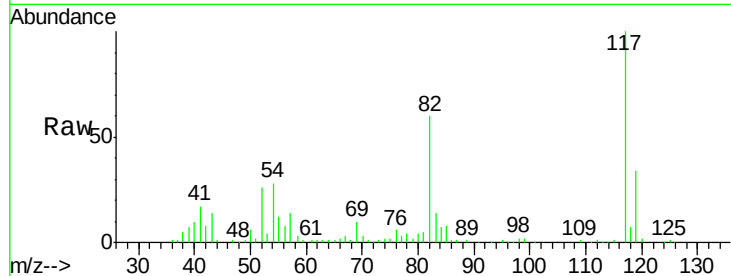




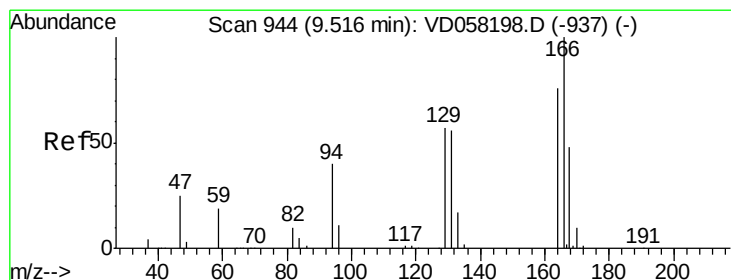
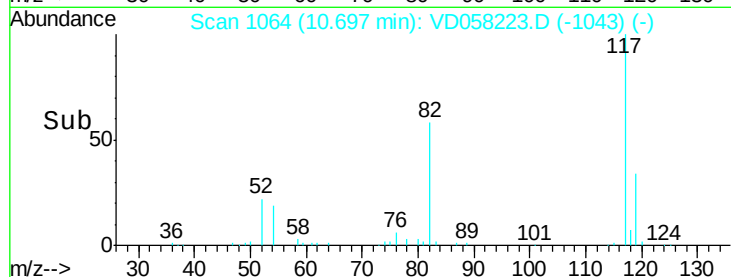
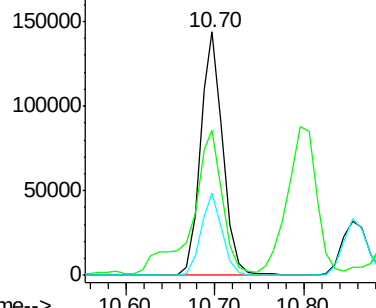
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion:117 Resp: 251772
Ion Ratio Lower Upper
117 100
82 59.7 47.0 70.6
119 34.0 25.3 37.9



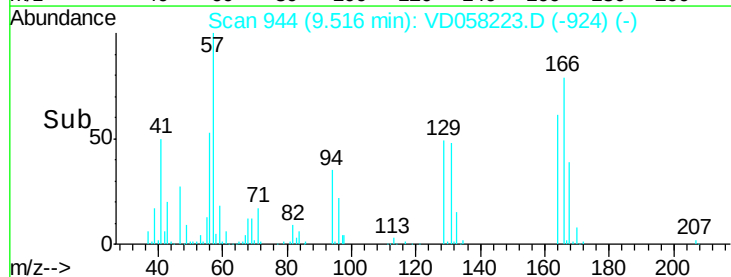
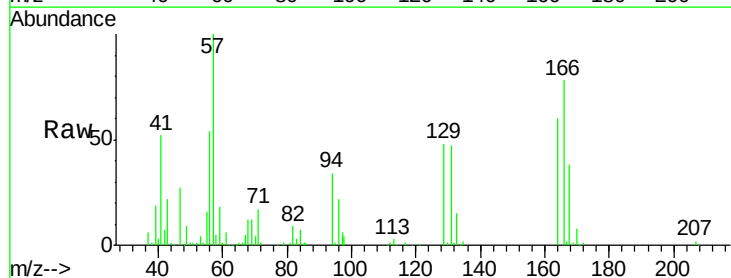
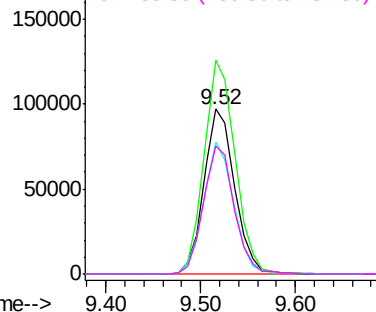
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

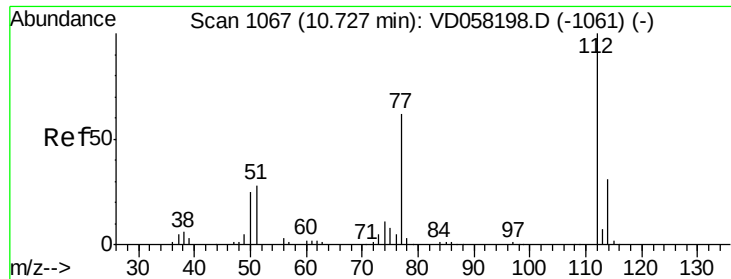


#64
Tetrachloroethene
Concen: 102.921 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion:164 Resp: 218033
Ion Ratio Lower Upper
164 100
166 129.4 105.4 158.0
129 79.5 59.6 89.4
131 77.6 59.4 89.2

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: 57.018 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

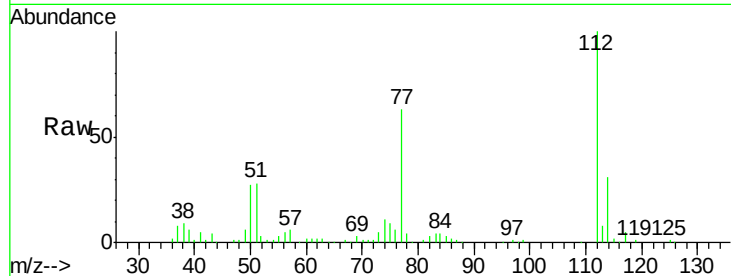
AREA1(S)MSD

Tot Ion:112 Resp: 268529

Ion Ratio Lower Upper

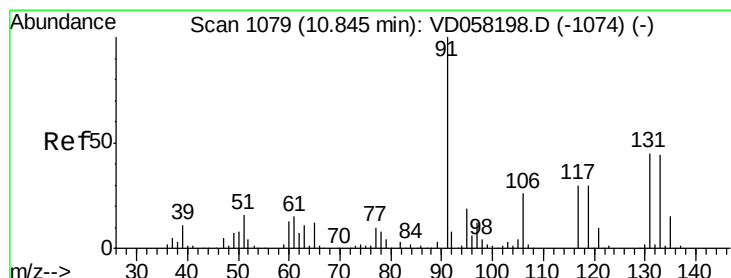
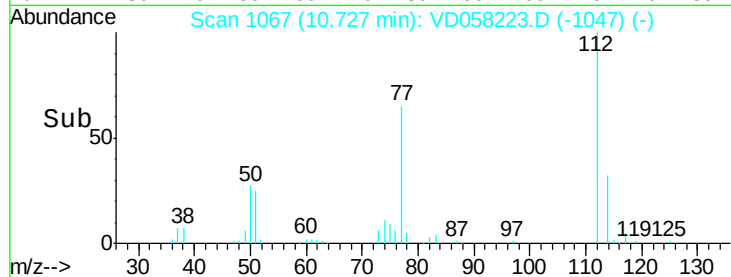
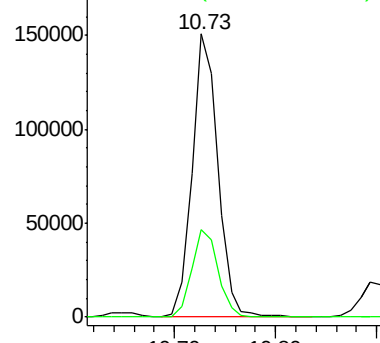
112 100

114 31.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.784 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

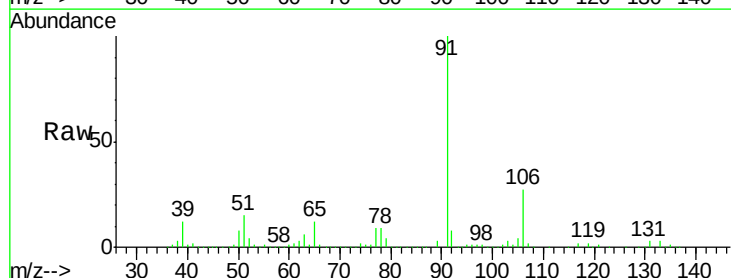
Tgt Ion:131 Resp: 101384

Ion Ratio Lower Upper

131 100

133 90.3 48.6 145.9

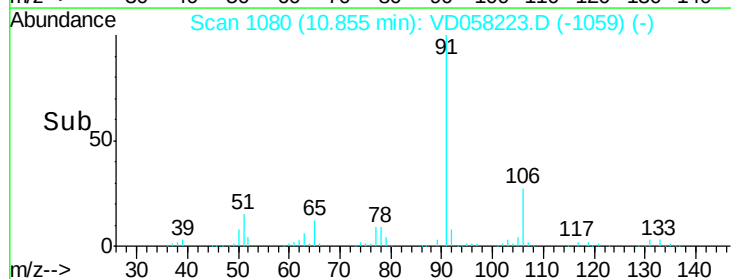
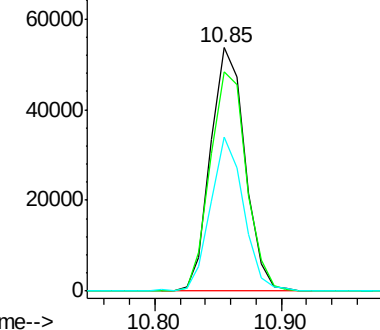
119 63.1 33.0 99.0

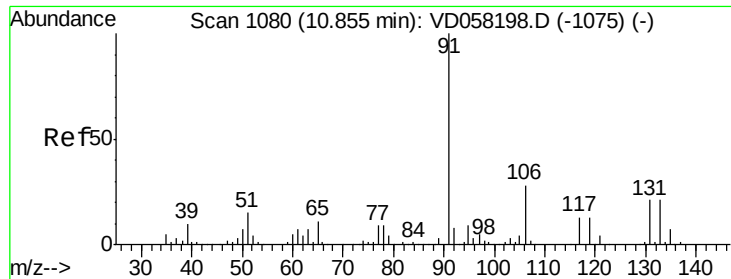


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

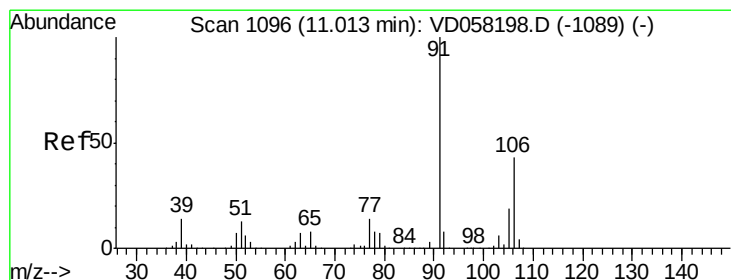
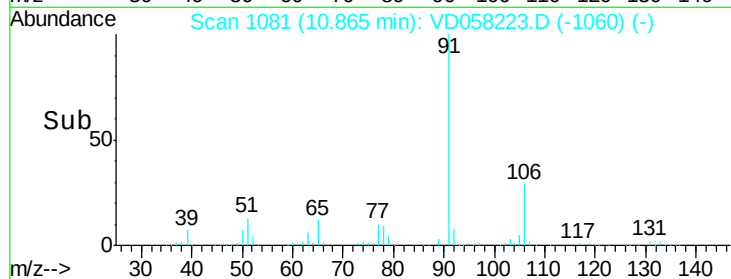
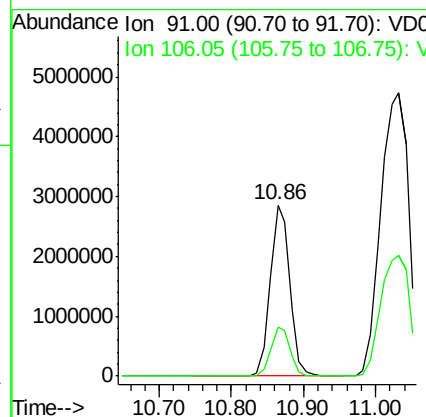
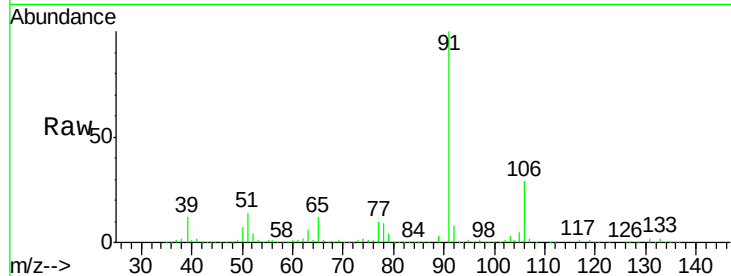




#67
Ethyl Benzene
Concen: 650.336 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

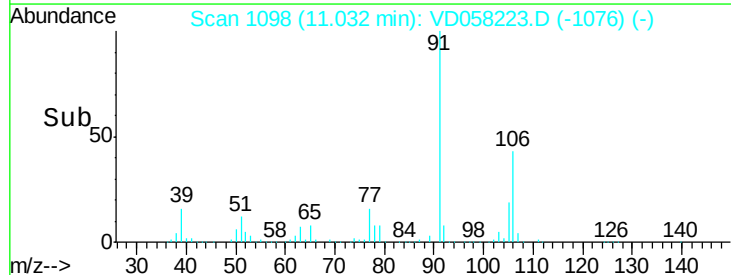
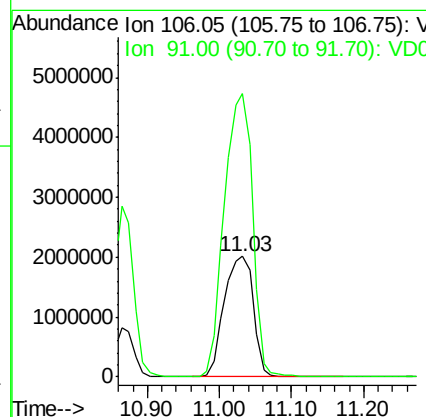
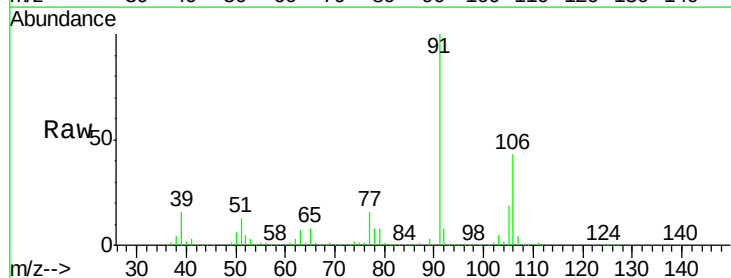
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

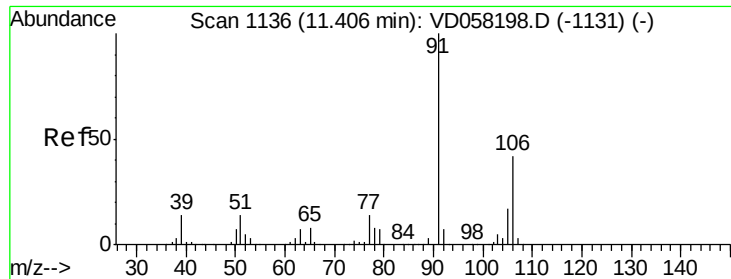
Tot Ion: 91 Resp: 5407148
Ion Ratio Lower Upper
91 100
106 28.6 22.0 33.0



#68
m/p-Xylenes
Concen: 2024.074 ug/l
RT: 11.03 min Scan# 1098
Delta R.T. 0.02 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 106 Resp: 5612089
Ion Ratio Lower Upper
106 100
91 234.9 185.0 277.6

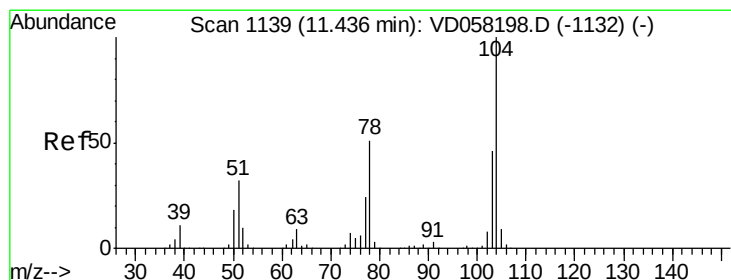
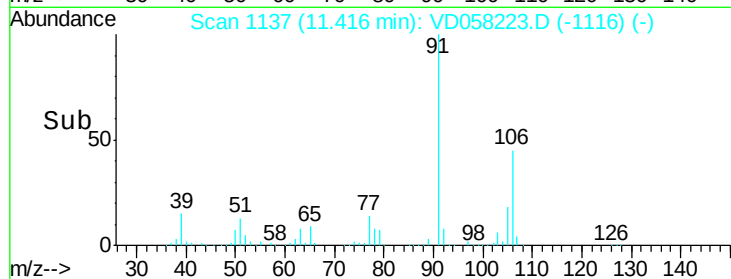
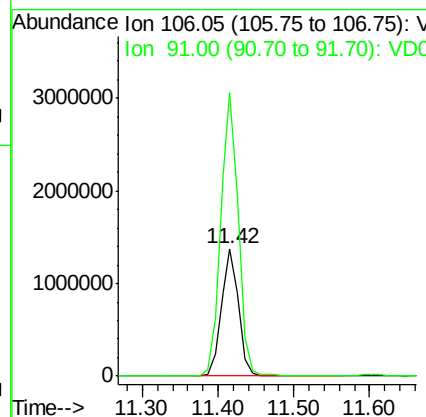
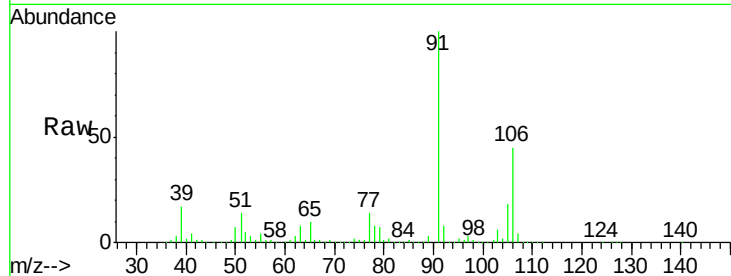




#69
o-Xylene
Concen: 821.609 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

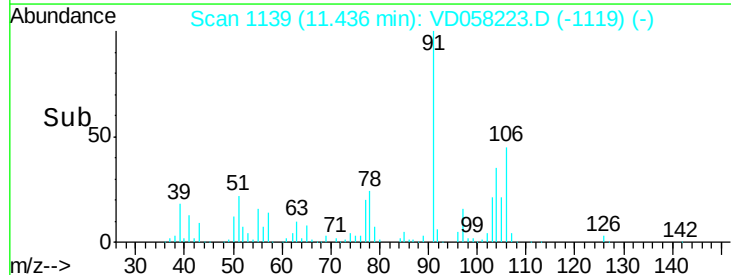
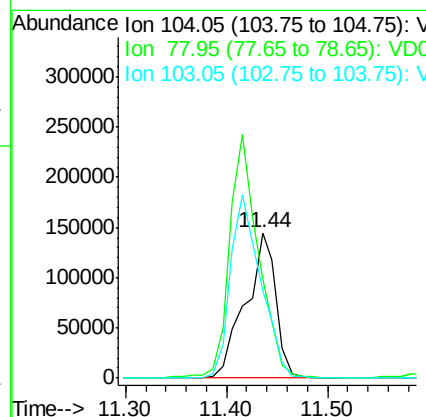
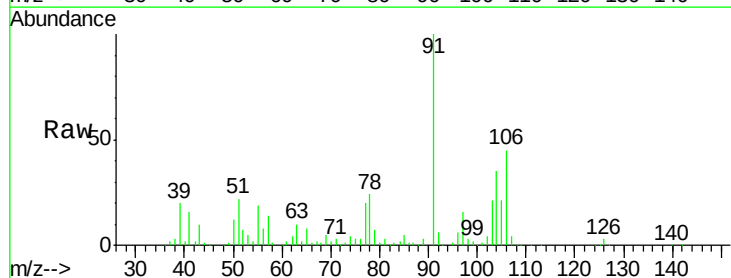
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

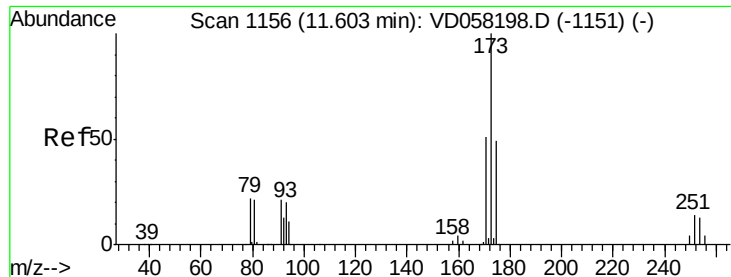
Tot Ion:106 Resp: 2175777
Ion Ratio Lower Upper
106 100
91 222.4 120.2 360.6



#70
Styrene
Concen: 67.089 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion:104 Resp: 303169
Ion Ratio Lower Upper
104 100
78 68.3 40.8 61.2#
103 59.7 37.0 55.6#





#71

Bromoform

Concen: 62.065 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

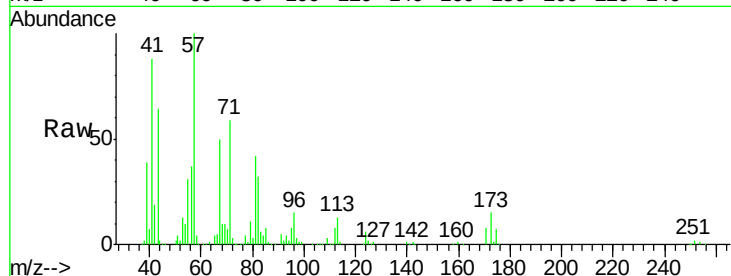
Tot Ion:173 Resp: 89983

Ion Ratio Lower Upper

173 100

175 46.8 24.6 74.0

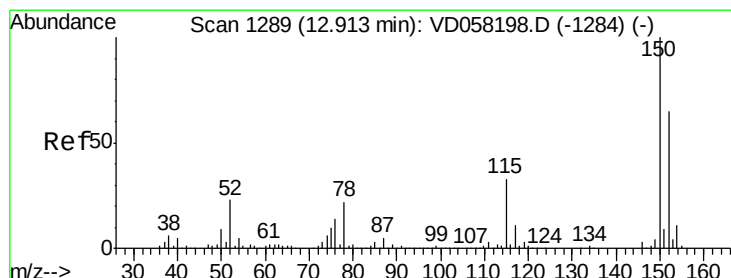
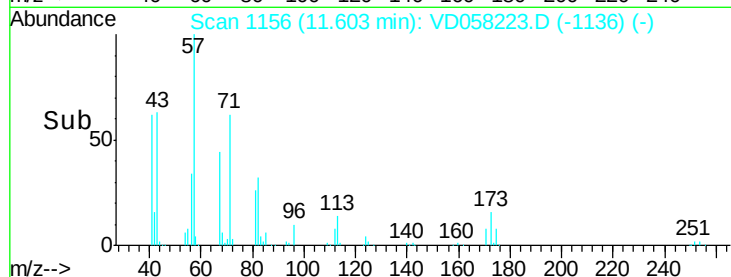
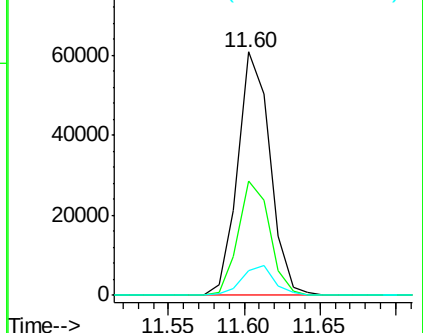
254 10.1 10.3 15.5#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

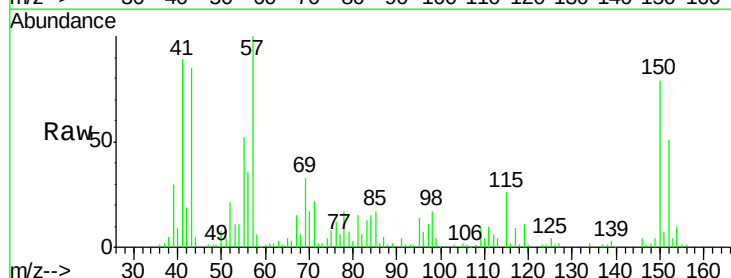
Tgt Ion:152 Resp: 61548

Ion Ratio Lower Upper

152 100

115 51.3 25.1 75.3

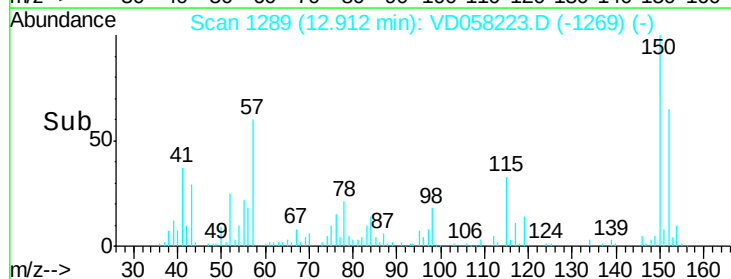
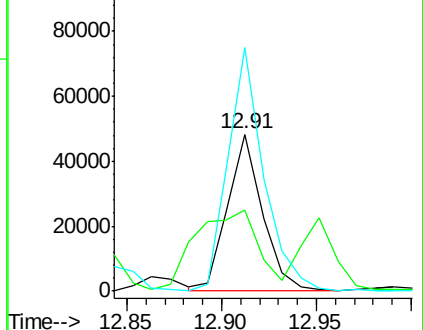
150 155.0 0.0 308.8

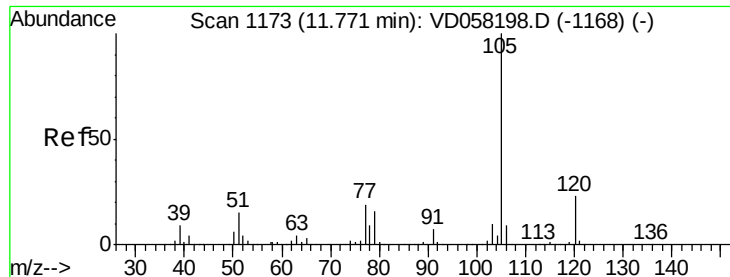


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 160.433 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

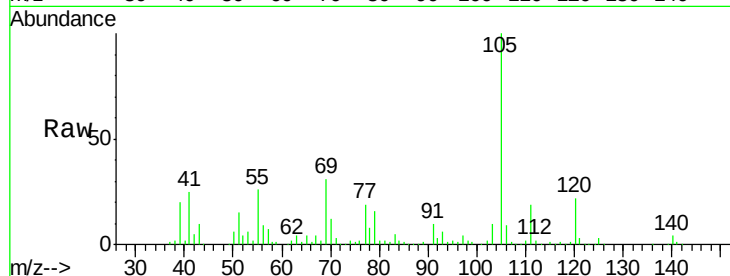
AREA1(S)MSD

Tot Ion:105 Resp: 590628

Ion Ratio Lower Upper

105 100

120 22.0 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

400000

300000

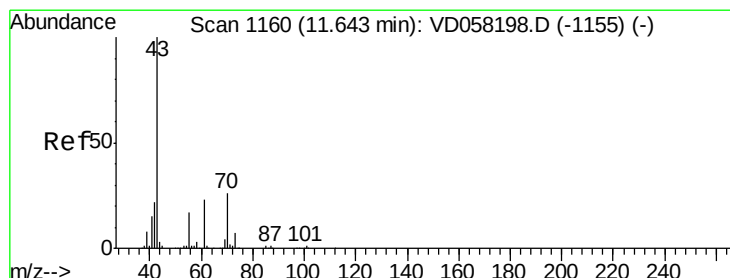
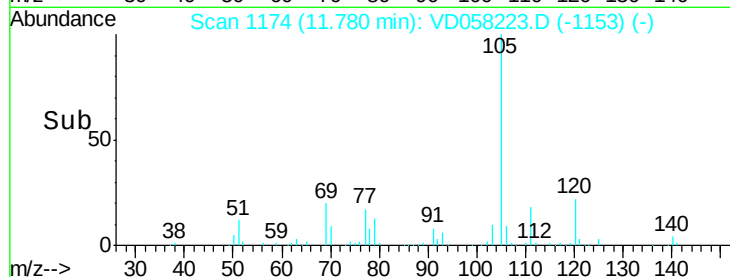
200000

100000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 257.026 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.04 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Tgt Ion: 43 Resp: 365868

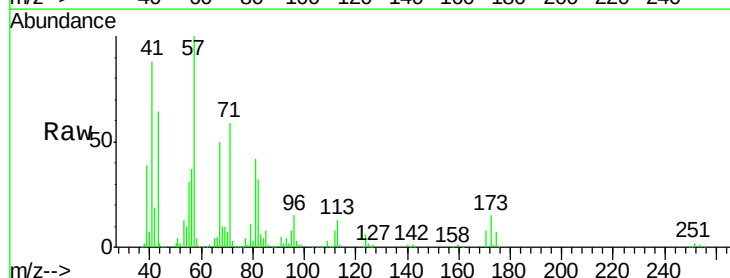
Ion Ratio Lower Upper

43 100

70 11.2 20.9 31.3#

55 48.2 13.5 20.3#

61 0.2 18.2 27.2#



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

400000

300000

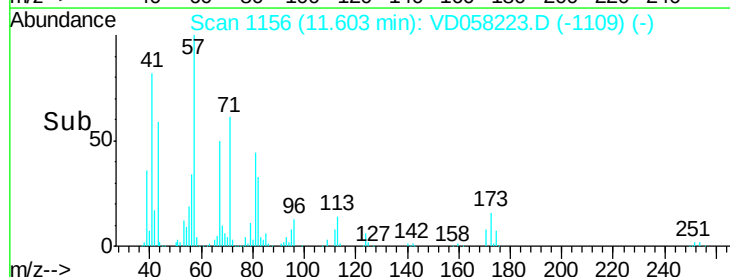
200000

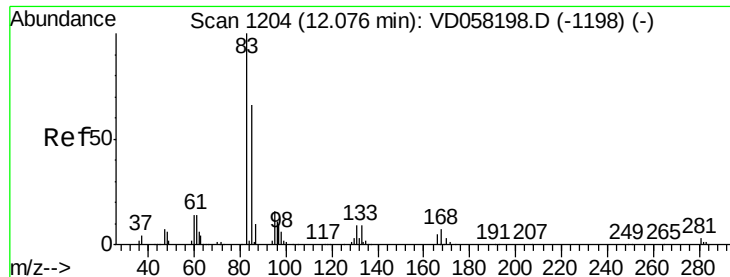
100000

0

Time-->

11.55 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 139.841 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

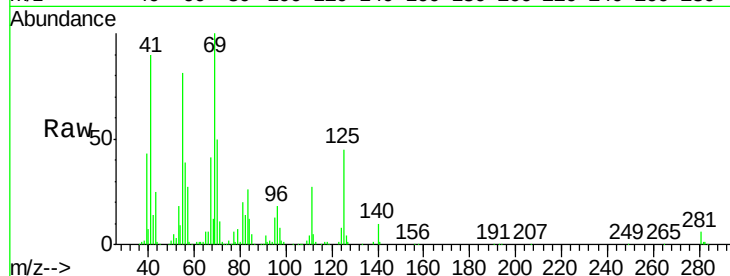
Tot Ion: 83 Resp: 119805

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

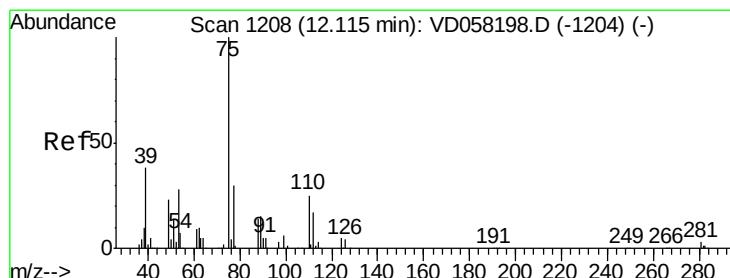
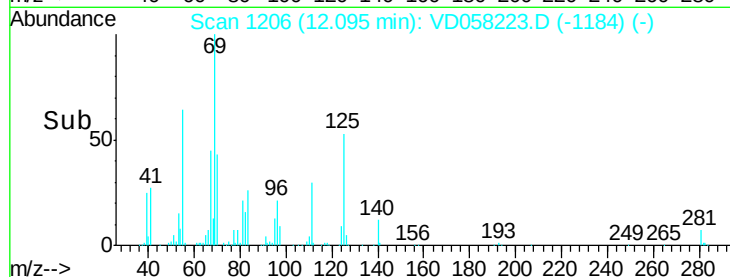
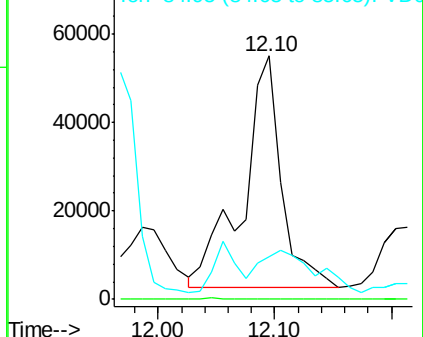
85 17.6 33.1 99.5#



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: 125.399 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058223.D

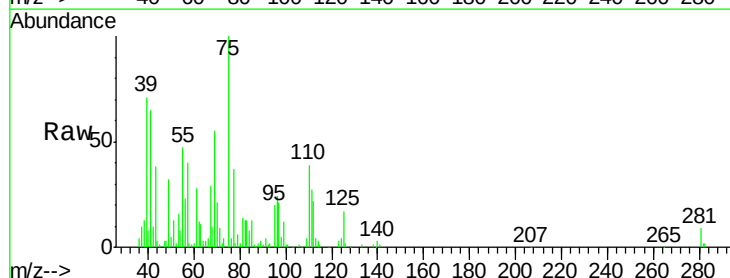
Acq: 20 Jun 2018 21:29

Tgt Ion: 75 Resp: 112686

Ion Ratio Lower Upper

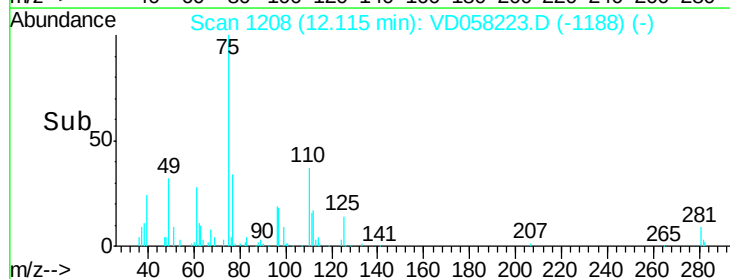
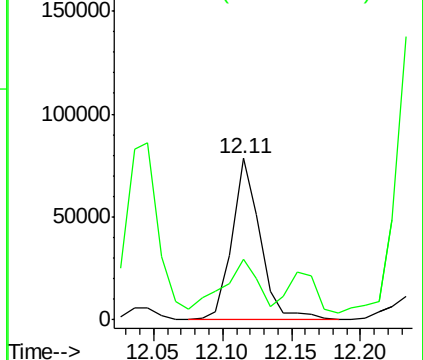
75 100

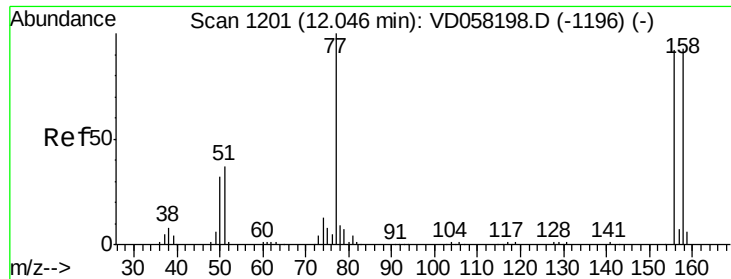
77 37.4 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 85.205 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MSD

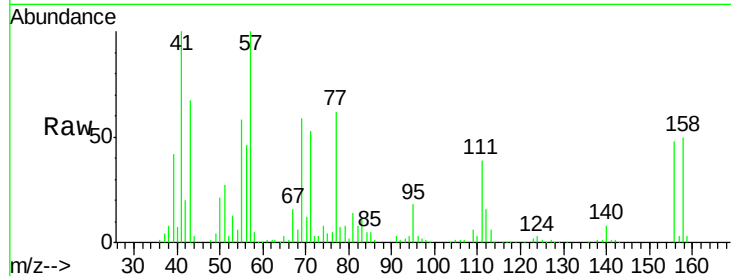
Tot Ion:156 Resp: 93931

Ion Ratio Lower Upper

156 100

77 128.9 54.5 163.6

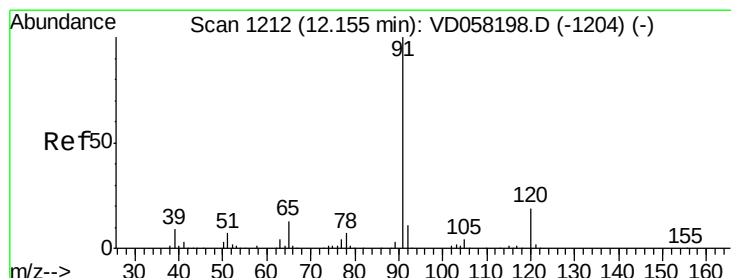
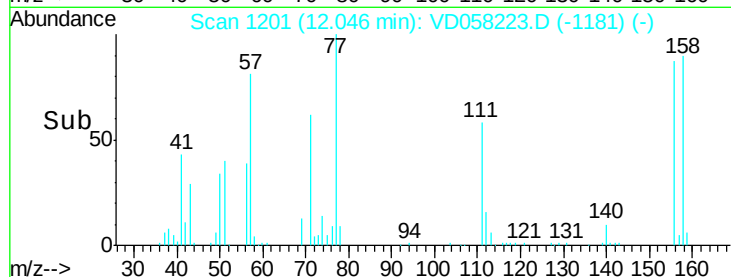
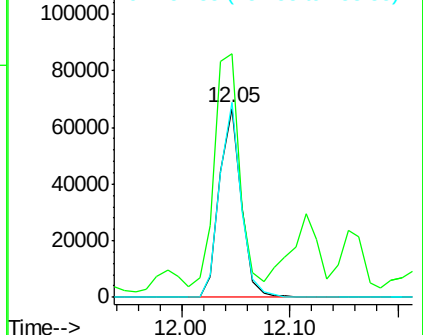
158 103.2 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 172.583 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058223.D

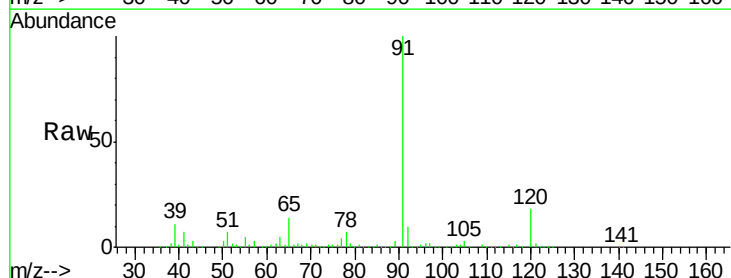
Acq: 20 Jun 2018 21:29

Tgt Ion: 91 Resp: 820497

Ion Ratio Lower Upper

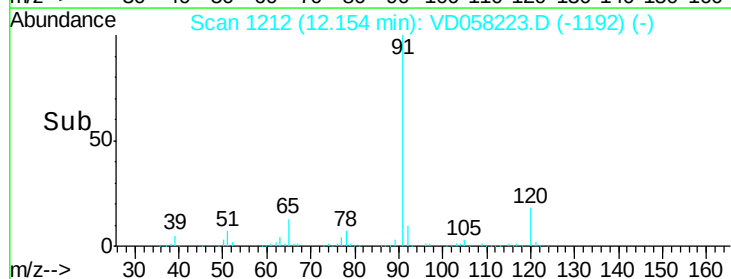
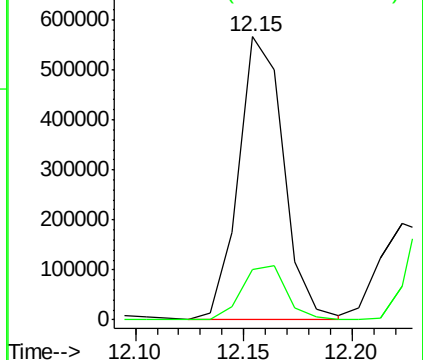
91 100

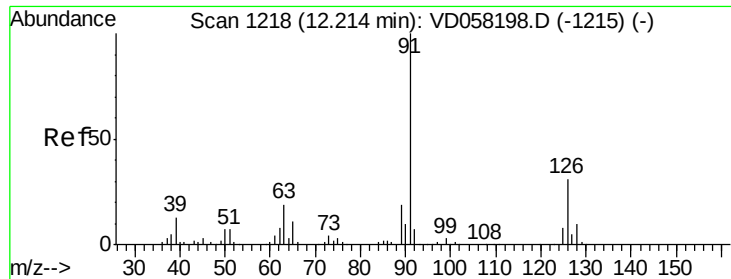
120 18.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

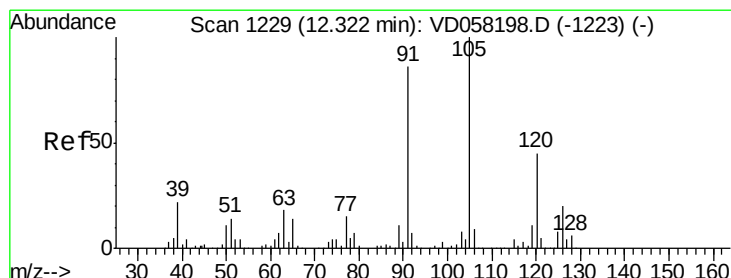
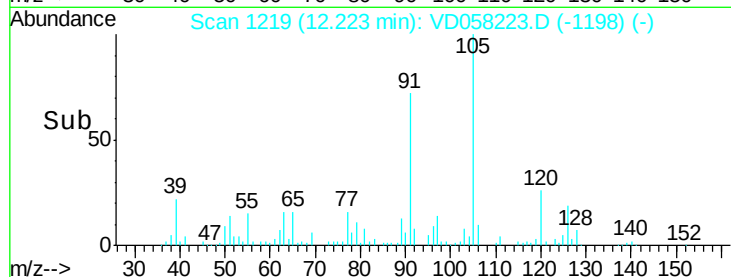
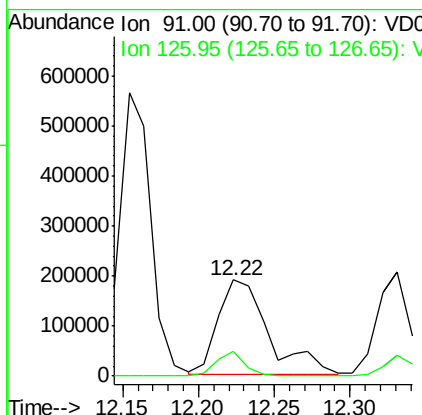
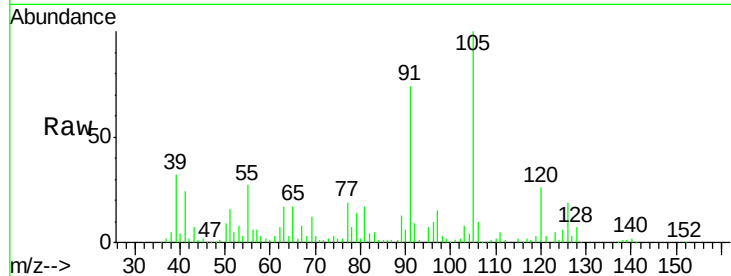




#79
 2-Chlorotoluene
 Concen: 162.894 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

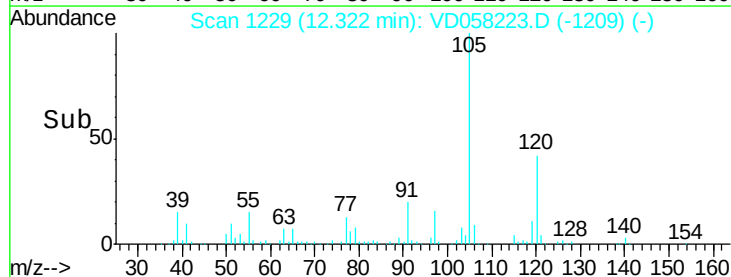
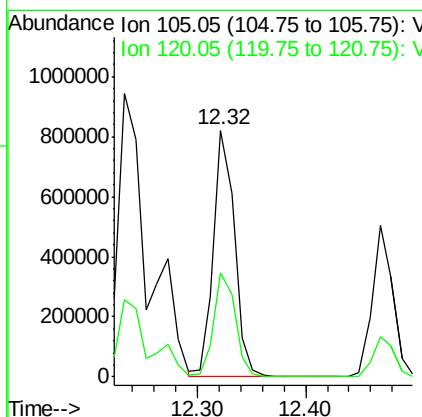
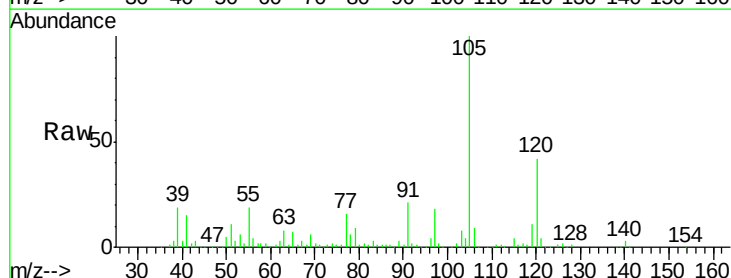
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

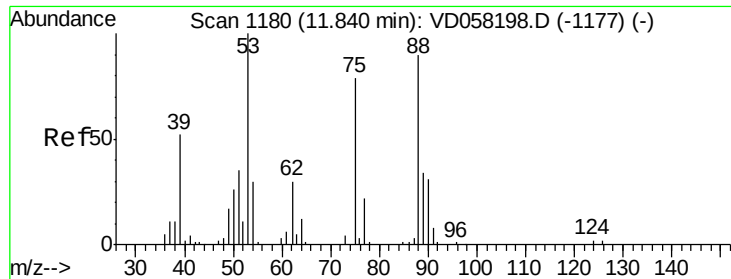
Tot Ion: 91 Resp: 443161
 Ion Ratio Lower Upper
 91 100
 126 25.9 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 385.715 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion: 105 Resp: 1107562
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.5 67.5

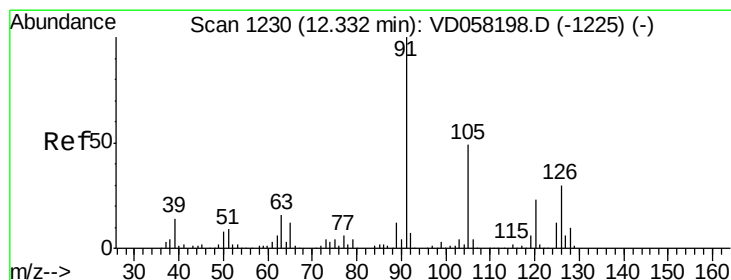
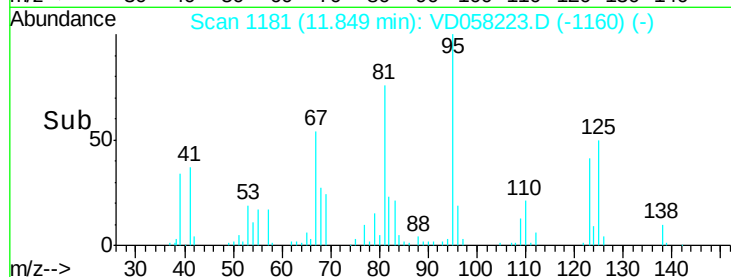
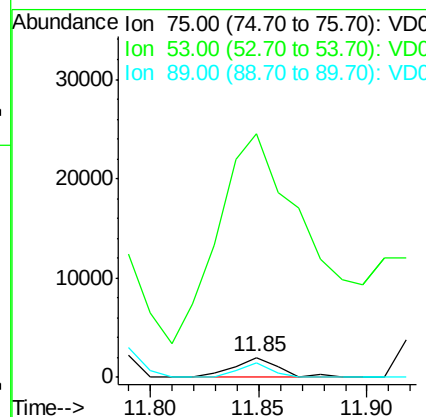
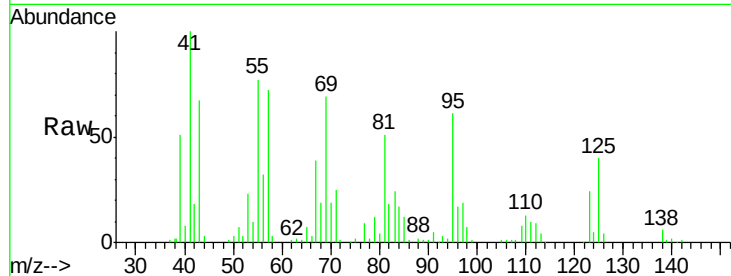




#81
trans-1,4-Dichloro-2-butene
Concen: 13.163 ug/l
RT: 11.85 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

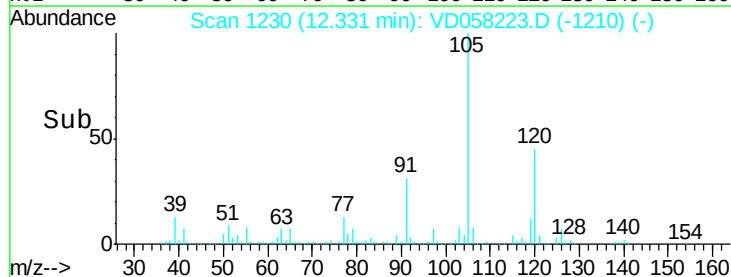
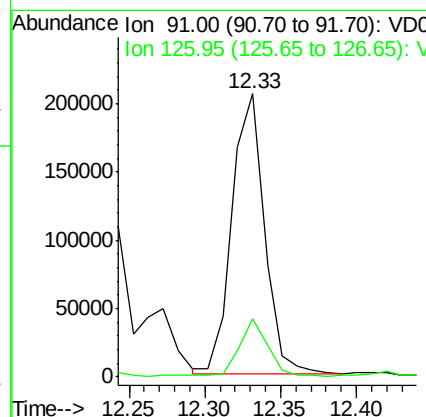
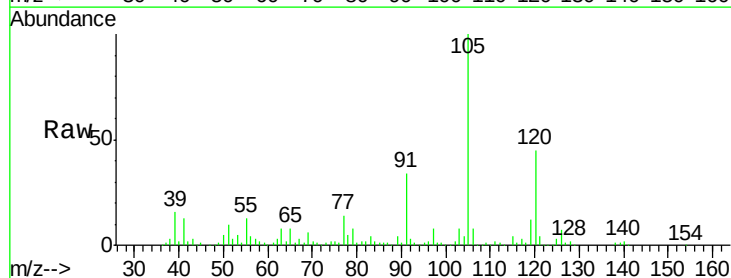
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

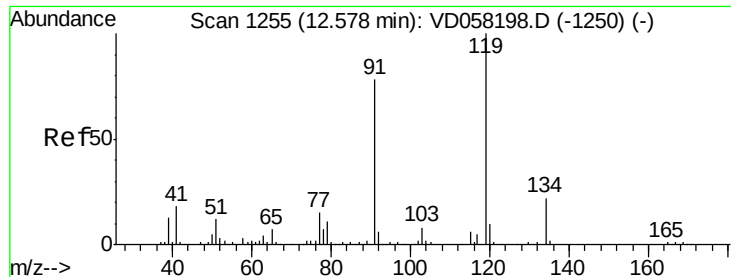
Tot Ion: 75 Resp: 2885
Ion Ratio Lower Upper
75 100
53 1207.5 100.8 151.2#
89 71.9 34.6 52.0#



#82
4-Chlorotoluene
Concen: 122.372 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 91 Resp: 303578
Ion Ratio Lower Upper
91 100
126 20.5 14.9 44.9

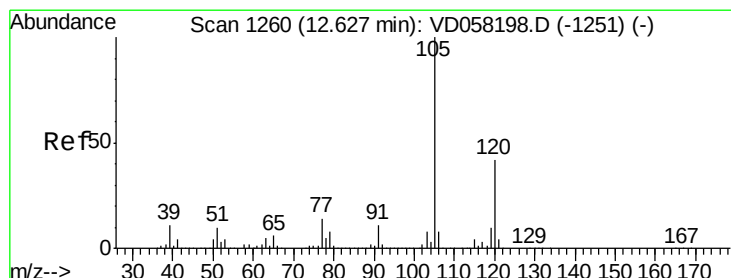
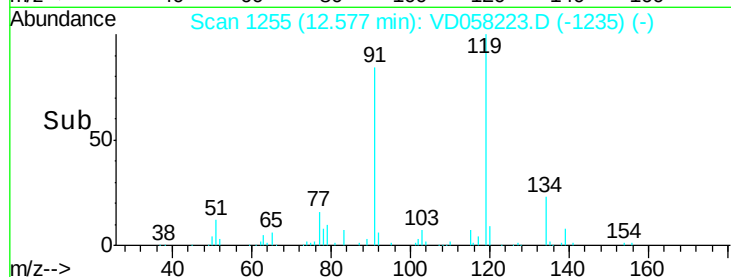
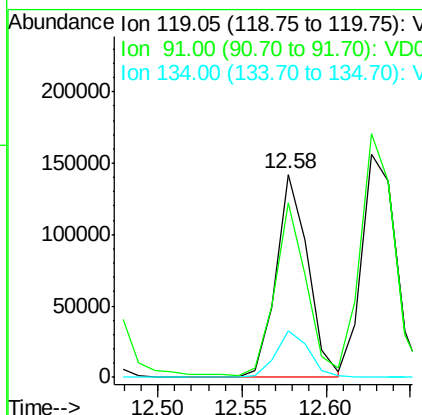
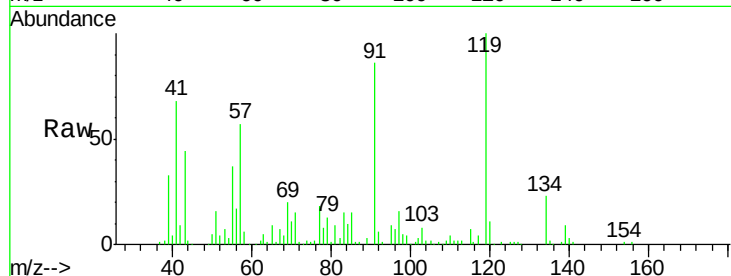




#83
 tert-Butylbenzene
 Concen: 56.636 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

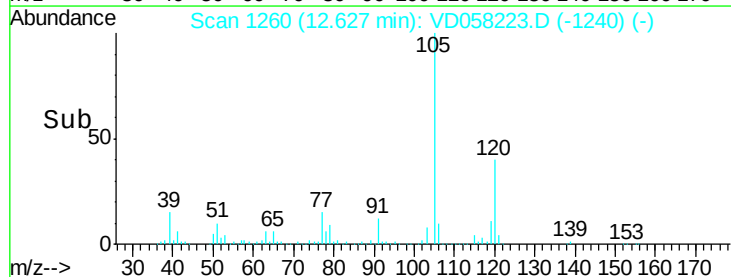
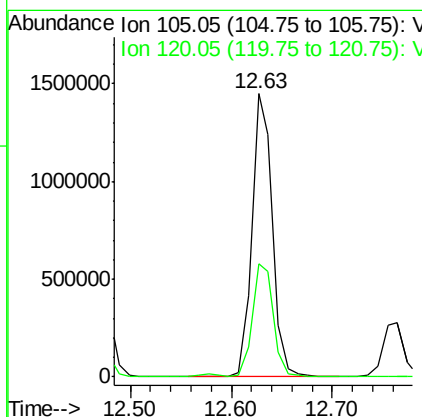
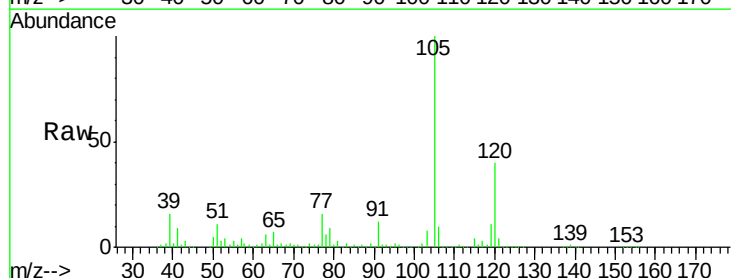
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

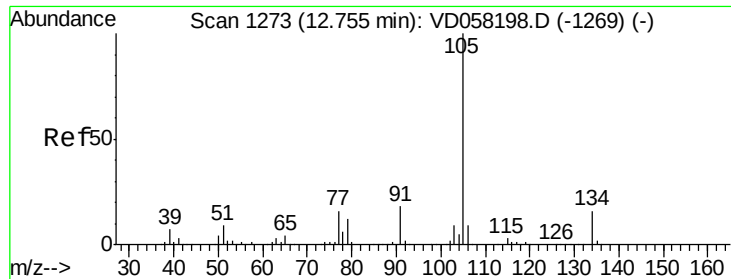
Tot Ion:119 Resp: 186973
 Ion Ratio Lower Upper
 119 100
 91 85.9 38.9 116.6
 134 22.7 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 654.565 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion:105 Resp: 2043086
 Ion Ratio Lower Upper
 105 100
 120 39.8 20.8 62.4





#85

sec-Butylbenzene

Concen: 104.659 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

Instrument :

MSVOA_D

ClientSampleId :

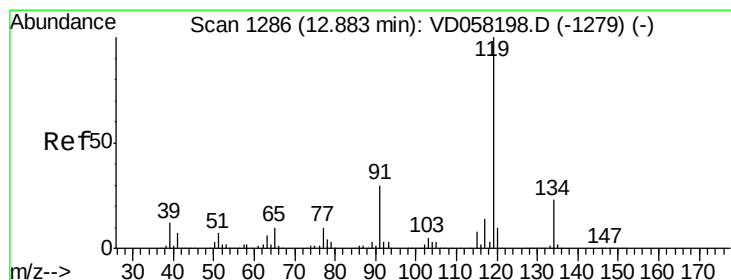
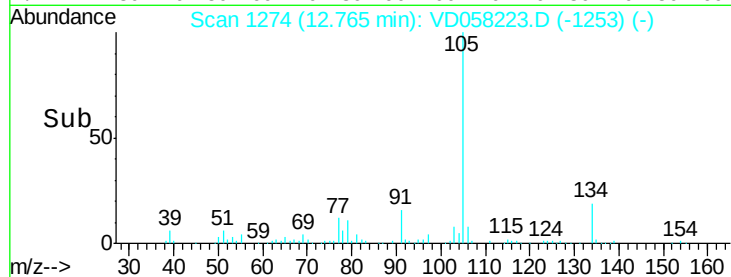
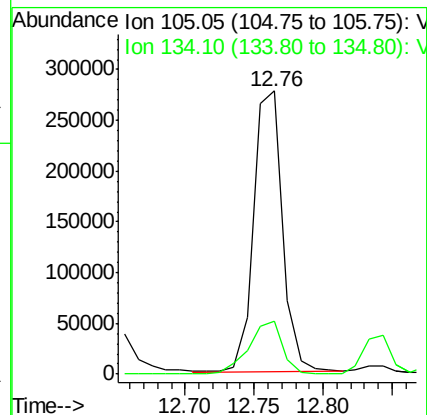
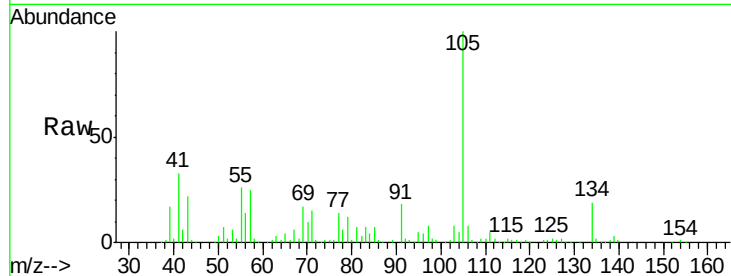
AREA1(S)MSD

Tot Ion:105 Resp: 404988

Ion Ratio Lower Upper

105 100

134 18.8 8.1 24.3



#86

p-Isopropyltoluene

Concen: 102.325 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058223.D

Acq: 20 Jun 2018 21:29

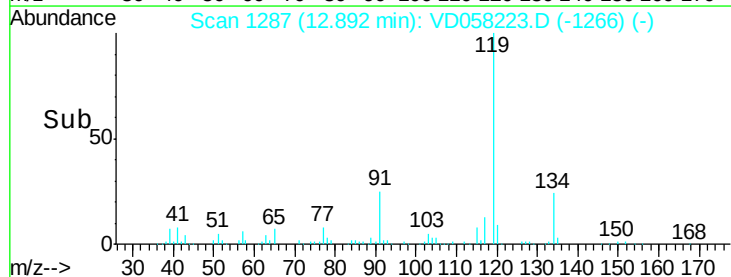
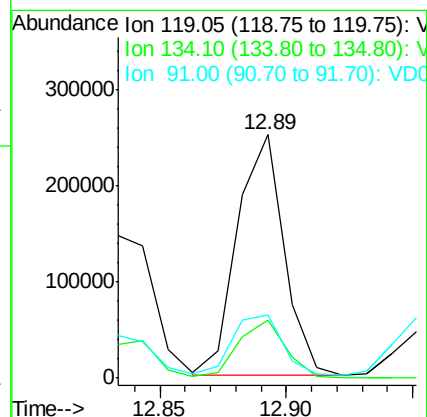
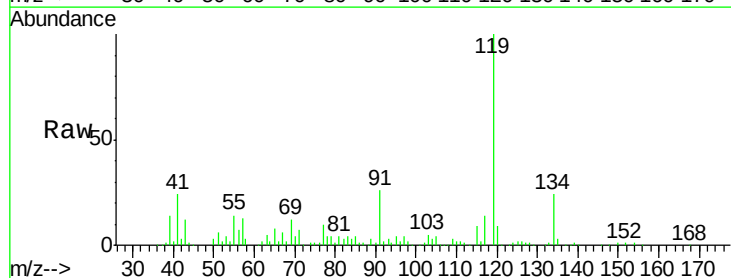
Tgt Ion:119 Resp: 320871

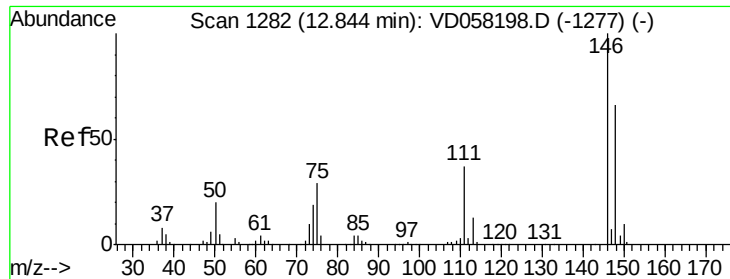
Ion Ratio Lower Upper

119 100

134 24.0 11.6 34.8

91 26.2 15.0 45.1

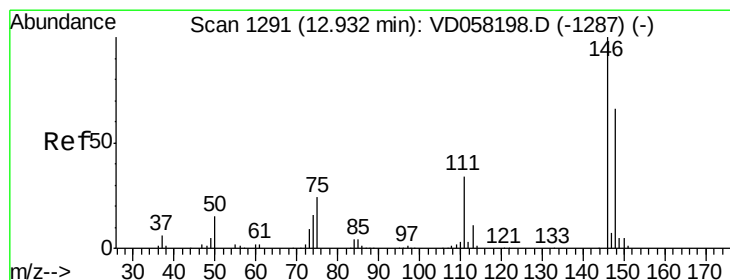
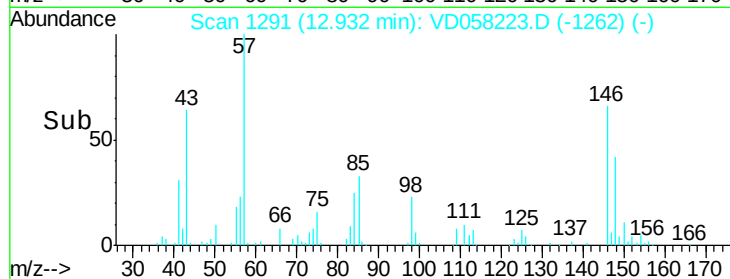
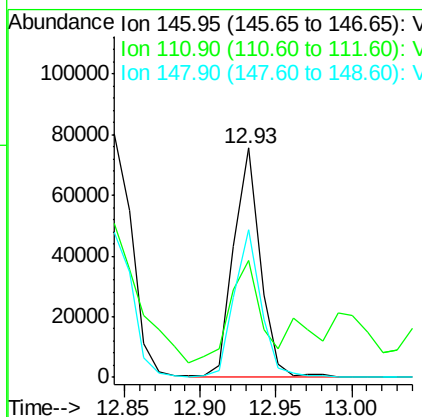
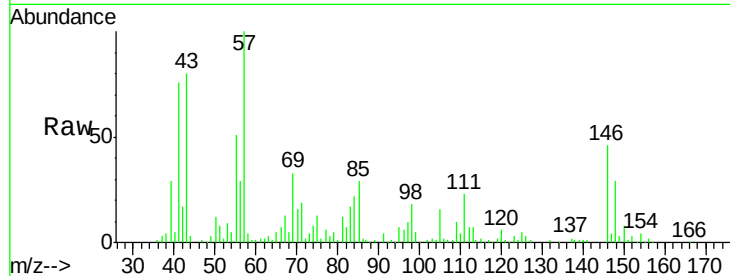




#87
 1,3-Dichlorobenzene
 Concen: 48.250 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.09 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

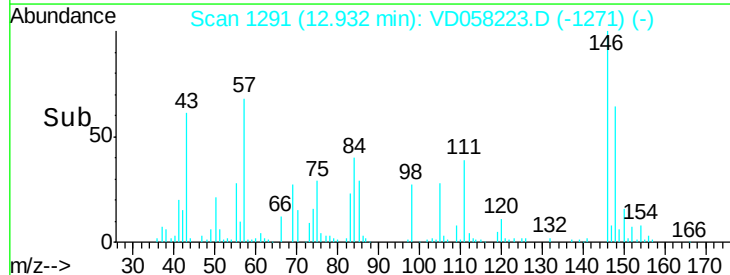
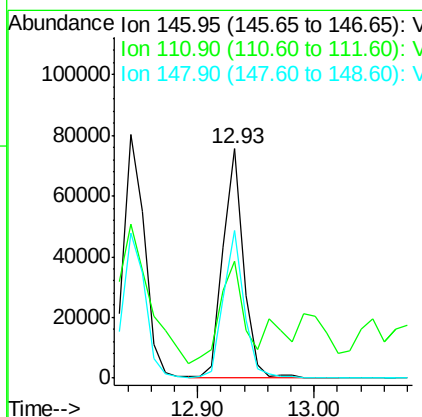
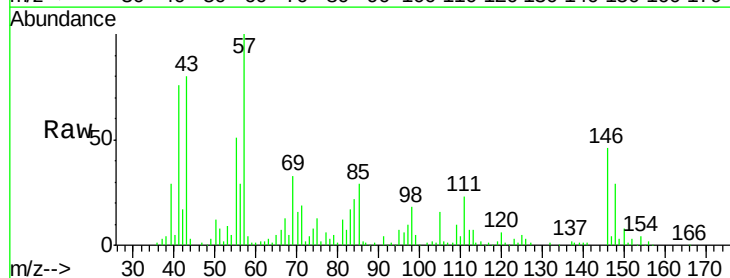
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

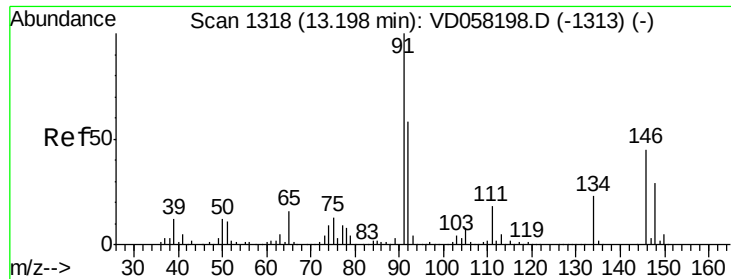
Tot Ion:146 Resp: 92451
 Ion Ratio Lower Upper
 146 100
 111 50.9 18.4 55.0
 148 64.3 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 49.513 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion:146 Resp: 92645
 Ion Ratio Lower Upper
 146 100
 111 50.9 17.2 51.5
 148 64.3 33.1 99.3

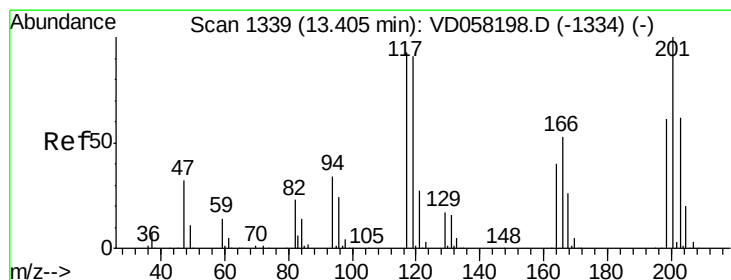
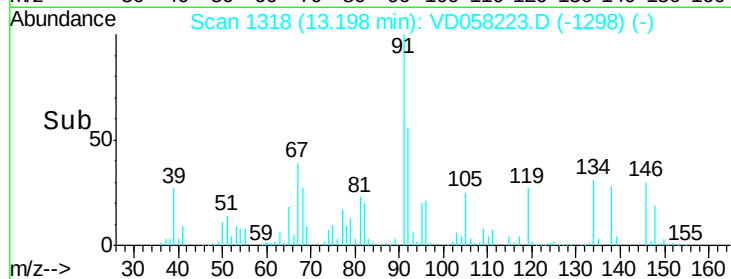
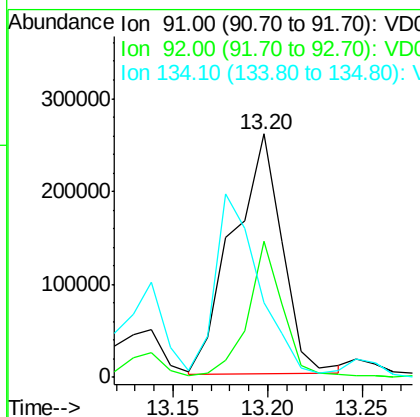
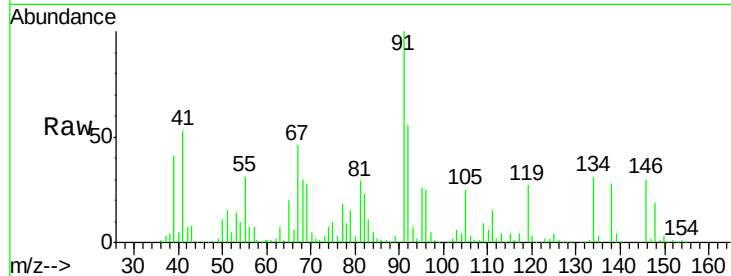




#89
n-Butylbenzene
Concen: 141.149 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

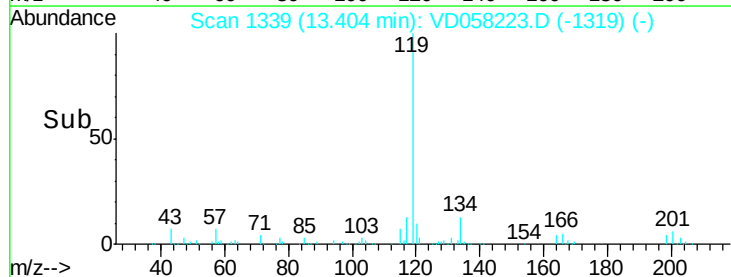
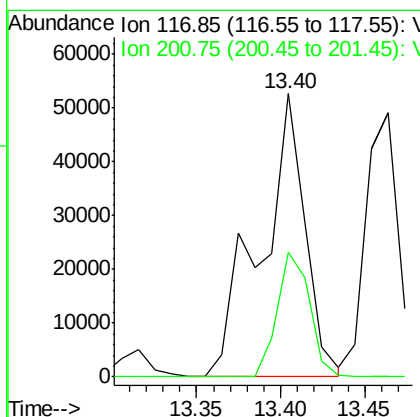
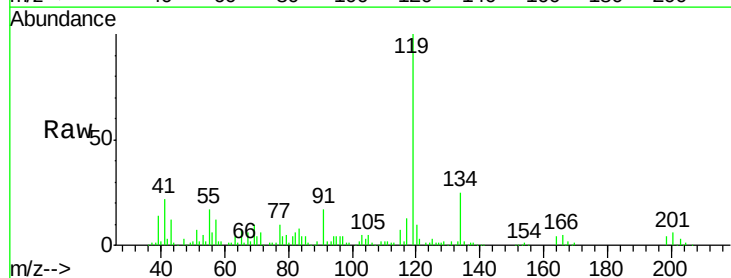
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

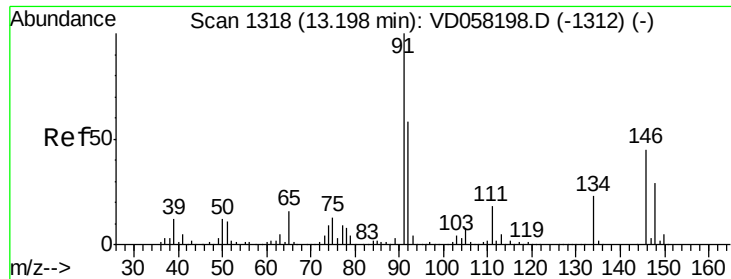
Tot Ion: 91 Resp: 465179
Ion Ratio Lower Upper
91 100
92 56.0 29.2 87.6
134 30.7 11.3 33.8



#90
Hexachloroethane
Concen: 117.886 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion: 117 Resp: 95948
Ion Ratio Lower Upper
117 100
201 44.0 53.8 161.4#

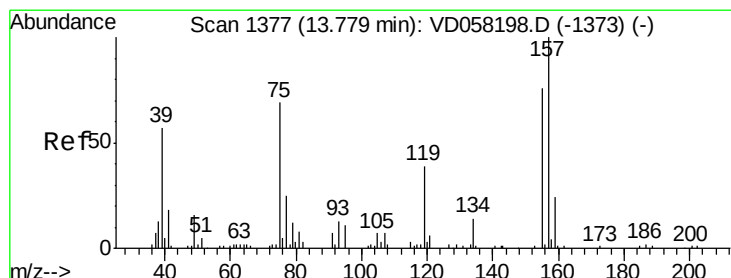
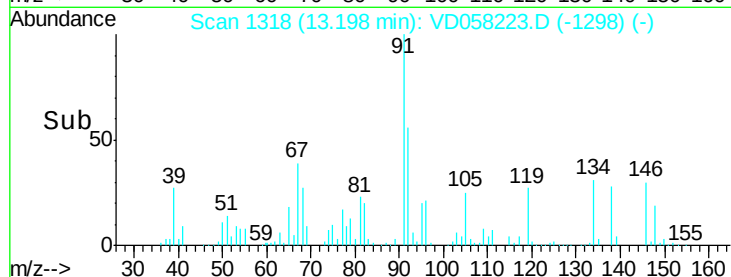
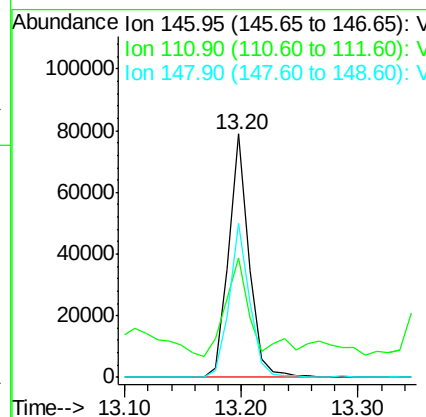
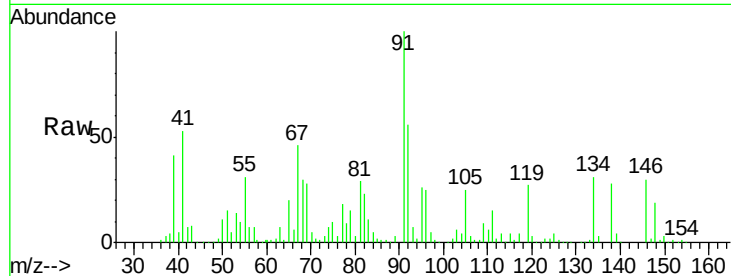




#91
 1,2-Dichlorobenzene
 Concen: 58.851 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

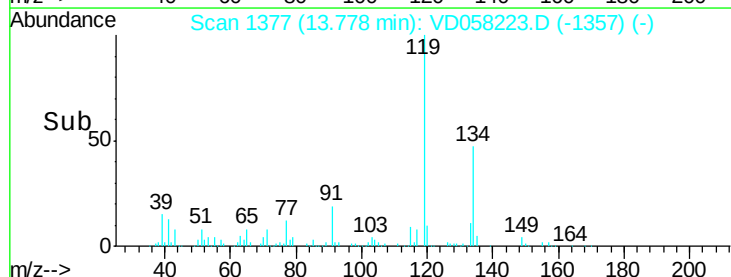
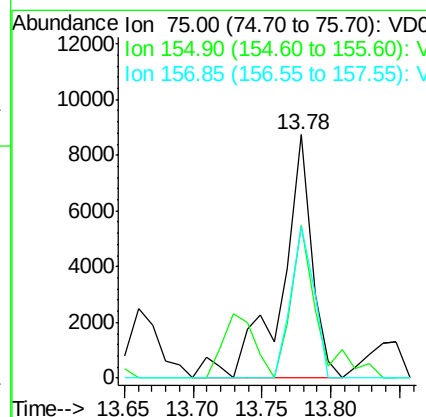
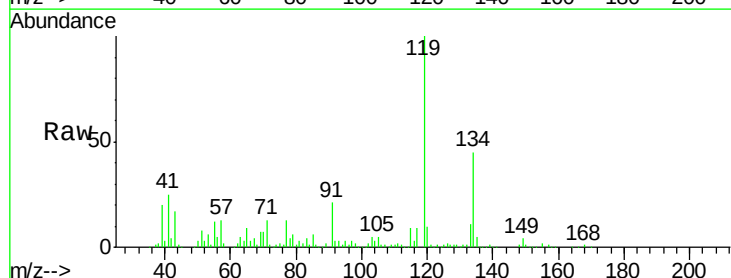
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

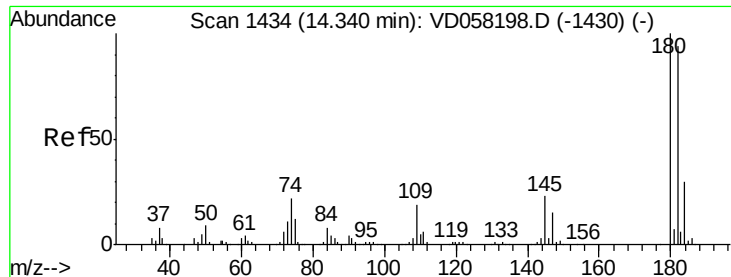
Tot Ion	Ratio	Lower	Upper
146	100		
111	49.2	19.6	58.7
148	63.2	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.858 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.8	54.5	163.5
157	62.4	72.0	215.9

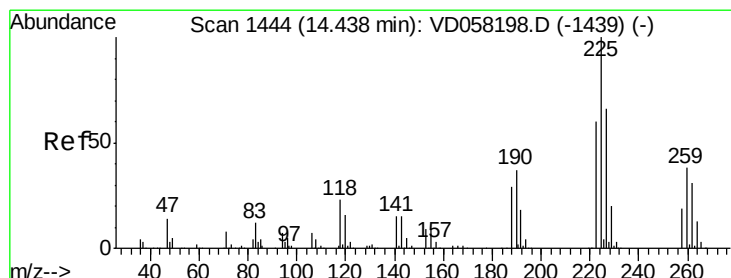
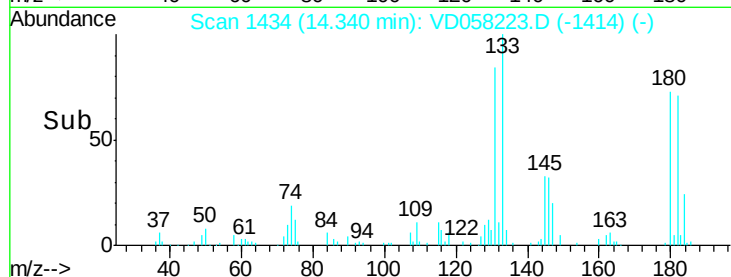
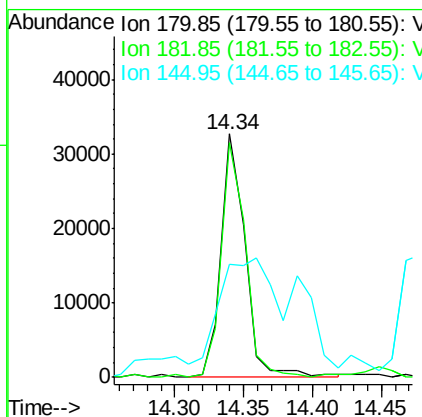
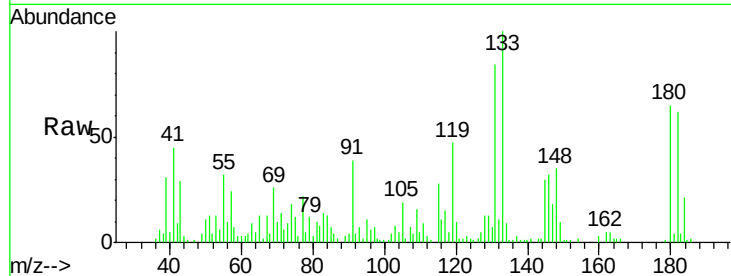




#93
 1,2,4-Trichlorobenzene
 Concen: 25.562 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

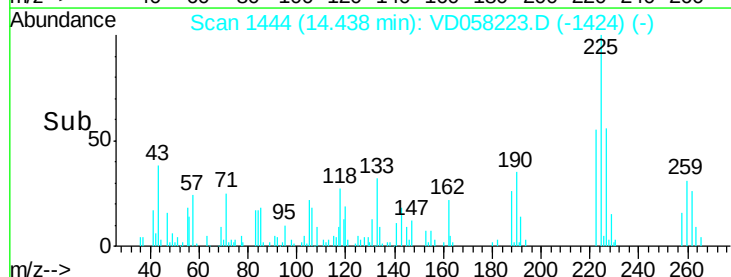
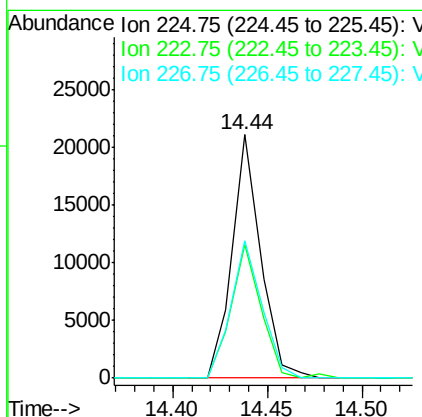
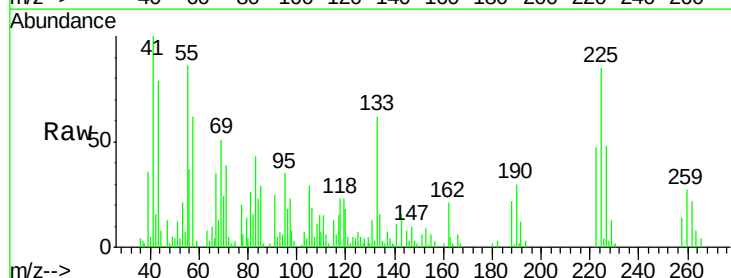
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

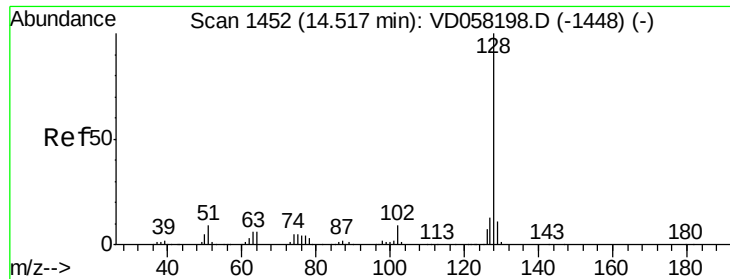
Tot Ion:180 Resp: 39865
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.1 141.3
 145 46.5 11.7 35.0#



#94
 Hexachlorobutadiene
 Concen: 18.015 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058223.D
 Acq: 20 Jun 2018 21:29

Tgt Ion:225 Resp: 21974
 Ion Ratio Lower Upper
 225 100
 223 55.0 30.1 90.3
 227 56.4 33.0 98.9

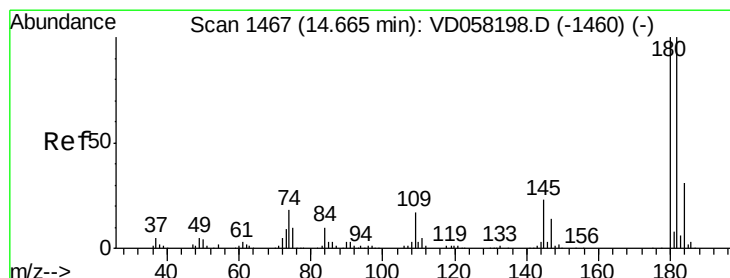
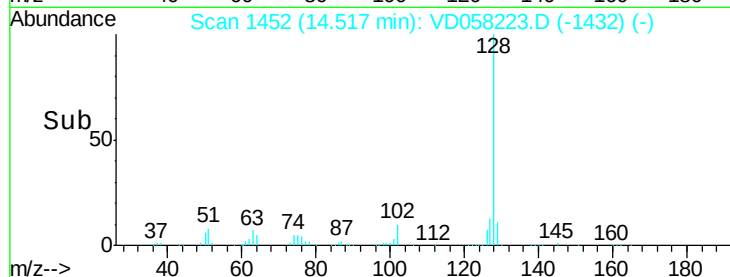
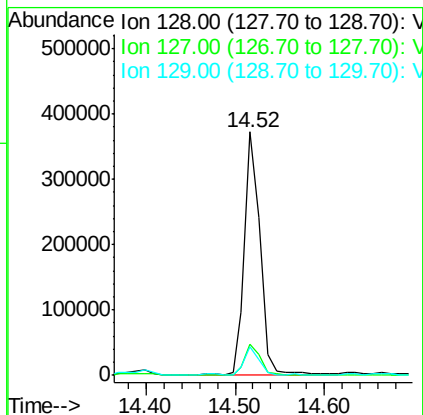
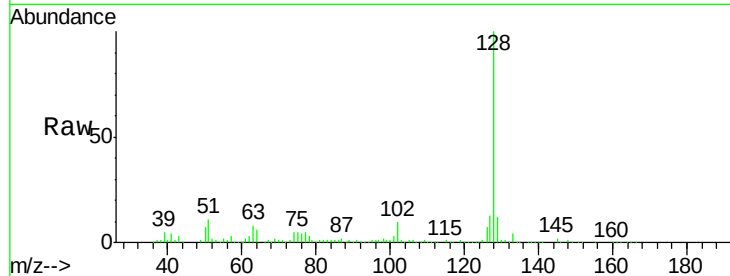




#95
Naphthalene
Concen: 221.627 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MSD

Tot Ion:128 Resp: 455282
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 11.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 26.224 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD058223.D
Acq: 20 Jun 2018 21:29

Tgt Ion:180 Resp: 35803
Ion Ratio Lower Upper
180 100
182 95.9 49.9 149.6
145 62.2 11.7 35.1#

