

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058379.D
 Acq On : 24 Jun 2018 18:43
 Operator : VA/AP
 Sample : J3671-21
 Misc : 3.78g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:04:47 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	5.66	168	684288	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	930865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.71	117	669507	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.92	152	344370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	404027	58.46	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.92%	
35) Dibromofluoromethane	5.56	113	401970	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
50) Toluene-d8	8.72	98	901260	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.94	95	369237	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.34	85	451	Below Cal	# 43
3) Chloromethane	1.47	50	351	Below Cal	# 43
4) Vinyl Chloride	1.55	62	184010	51.332	ug/l 97
5) Bromomethane	1.82	94	258	Below Cal	# 3
6) Chloroethane	1.89	64	33810	24.190	ug/l 95
11) Tert butyl alcohol	3.25	59	6439	28.246	ug/l # 66
16) Acetone	2.61	43	60977	64.509	ug/l 98
18) Methyl Acetate	2.92	43	2116	1.050	ug/l # 65
20) Methylene Chloride	3.08	84	7463	Below Cal	# 81
21) trans-1,2-Dichloroethene	3.40	96	4709	1.833	ug/l 94
24) 1,1-Dichloroethane	3.98	63	36842	3.147	ug/l # 93
25) 2-Butanone	4.84	43	16413	7.967	ug/l # 36
27) cis-1,2-Dichloroethene	4.82	96	978754	152.441	ug/l 86
29) Tetrahydrofuran	5.19	42	2277	2.076	ug/l # 44
31) Cyclohexane	5.61	56	53291	1.164	ug/l 90
36) 1,1-Dichloropropene	5.66	75	51698	5.614	ug/l # 53
37) Ethyl Acetate	4.84	43	16413	3.128	ug/l # 1
38) Carbon Tetrachloride	5.66	117	55704	6.088	ug/l # 15
39) Methylcyclohexane	7.30	83	300486	33.501	ug/l 97
40) Benzene	6.03	78	217331	9.908	ug/l 93
43) Isopropyl Acetate	7.66	43	9401	1.344	ug/l # 48
44) Trichloroethene	7.00	130	29996	4.554	ug/l 82
48) Methyl methacrylate	7.49	41	6211	1.461	ug/l # 45
51) 4-Methyl-2-Pentanone	8.71	43	24133	5.289	ug/l 98
52) Toluene	8.82	92	43520	3.484	ug/l 96
55) 1,1,2-Trichloroethane	9.39	97	40120	9.079	ug/l # 17
56) Ethyl methacrylate	9.38	69	10330	1.955	ug/l # 1
59) 2-Hexanone	9.76	43	96154	29.165	ug/l # 36
65) Chlorobenzene	10.75	112	6168314	492.541	ug/l 95
67) Ethyl Benzene	10.87	91	213947	9.677	ug/l 98
68) m/p-Xylenes	11.02	106	20152	2.733	ug/l 78
69) o-Xylene	11.42	106	35213	5.000	ug/l 88
73) Isopropylbenzene	11.79	105	290255	14.091	ug/l 99
74) N-amyl acetate	11.65	43	331098	41.572	ug/l # 55

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

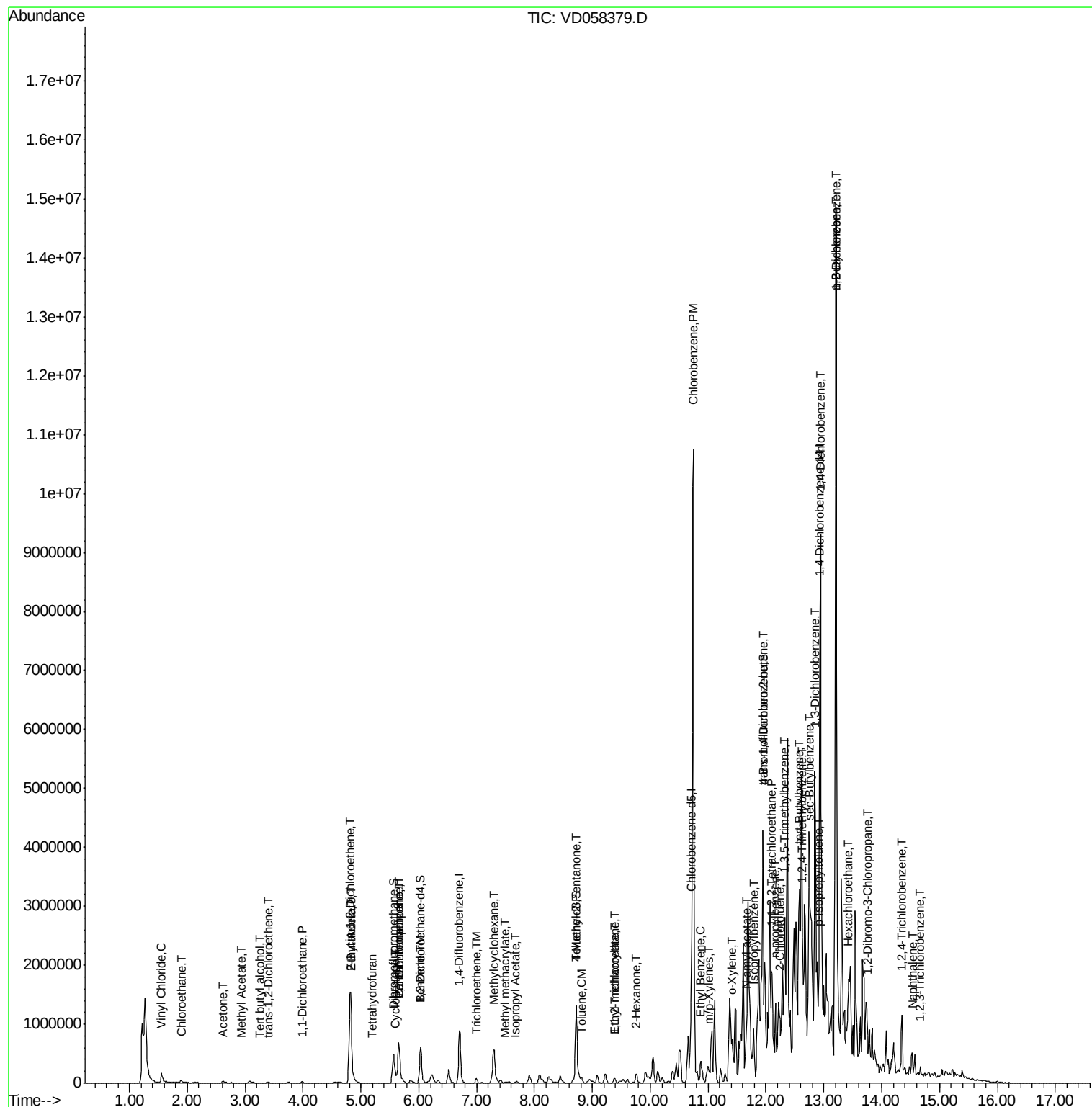
75) 1,1,2,2-Tetrachloroethane	12.09	83	123797	25.826	ug/l #	55
78) n-propylbenzene	12.16	91	712077	26.769	ug/l	100
79) 2-Chlorotoluene	12.24	91	36861	2.422	ug/l #	48
80) 1,3,5-Trimethylbenzene	12.33	105	265270	16.511	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	161694	131.858	ug/l #	17
82) 4-Chlorotoluene	12.33	91	40191	Below Cal	#	50
83) tert-Butylbenzene	12.59	119	342585	18.547	ug/l	99
84) 1,2,4-Trimethylbenzene	12.64	105	531484	30.433	ug/l	97
85) sec-Butylbenzene	12.76	105	829407	38.308	ug/l	84
86) p-Isopropyltoluene	12.90	119	126766	7.225	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	403099	37.600	ug/l	90
88) 1,4-Dichlorobenzene	12.94	146	2335599	223.094	ug/l	96
89) n-Butylbenzene	13.21	91	458006	24.838	ug/l	93
90) Hexachloroethane	13.41	117	7686	1.688	ug/l #	1
91) 1,2-Dichlorobenzene	13.22	146	6132220	672.143	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	6799	8.912	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.35	180	248065	28.429	ug/l	95
95) Naphthalene	14.53	128	198315	17.254	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	39038	5.110	ug/l #	84

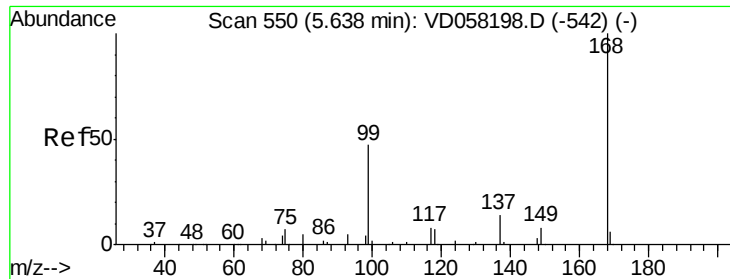
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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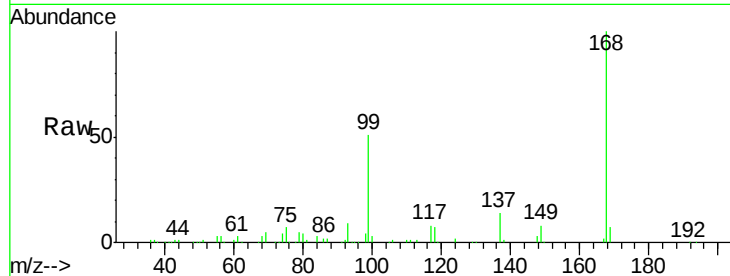


#1

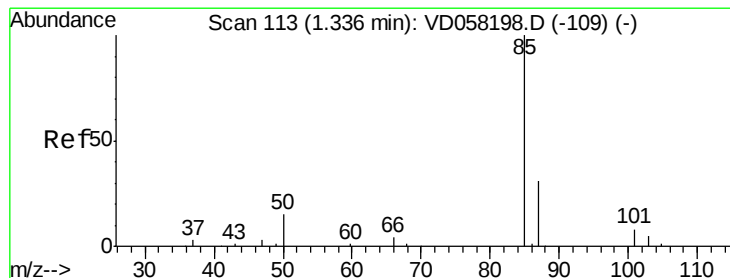
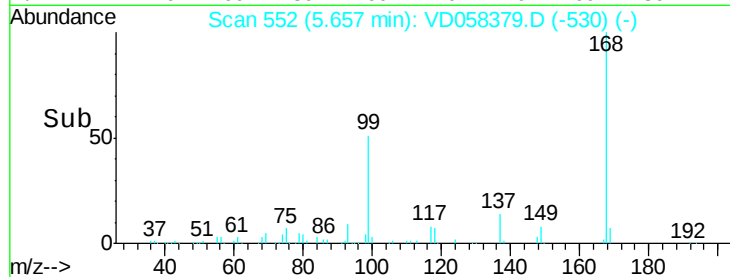
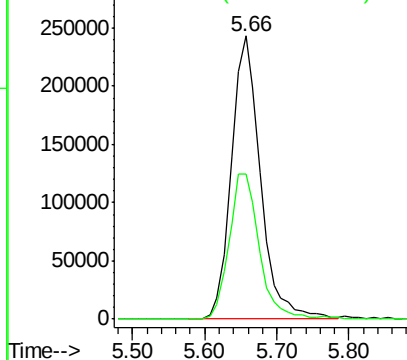
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. 0.02 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 684288
 Ion Ratio Lower Upper
 168 100
 99 51.2 41.1 61.7



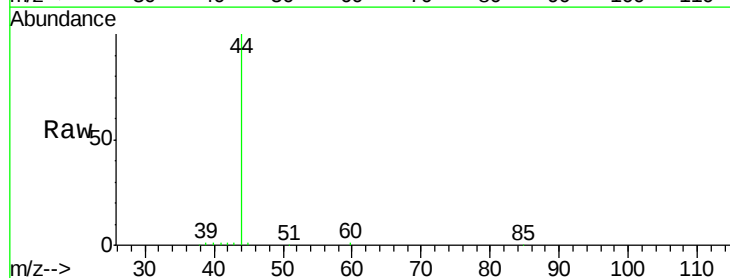
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



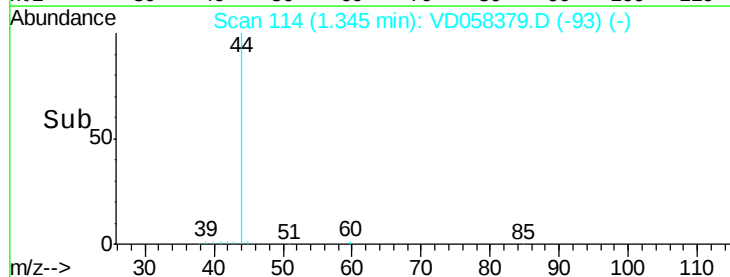
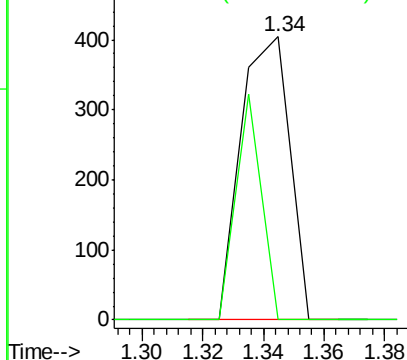
#2

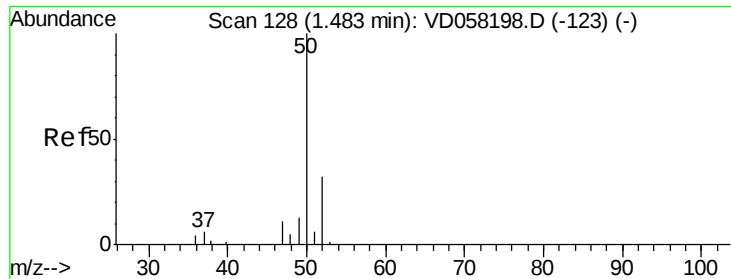
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.34 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion: 85 Resp: 451
 Ion Ratio Lower Upper
 85 100
 87 0.0 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: Below Cal

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

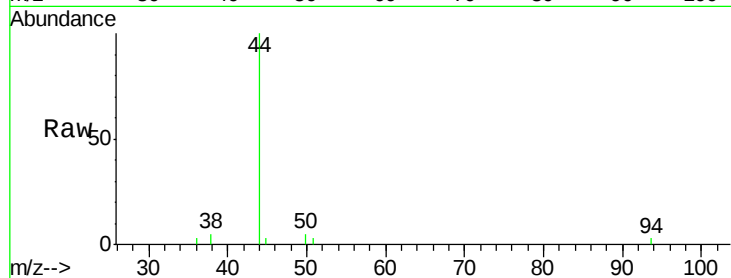
ClientSampleId :

Tot Ion: 50 Resp: 351

Ion Ratio Lower Upper

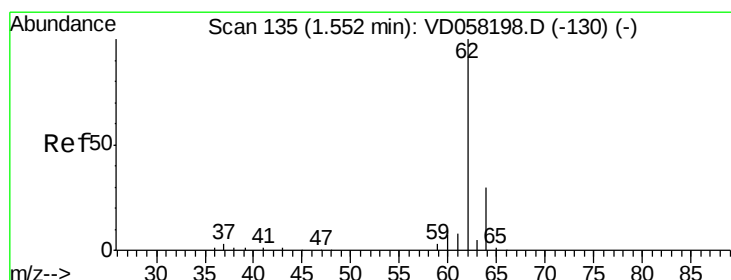
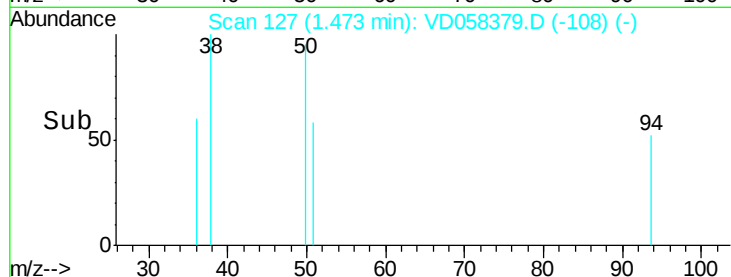
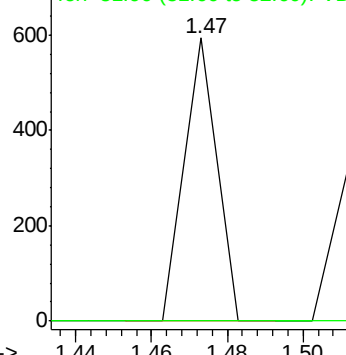
50 100

52 0.0 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: 51.332 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058379.D

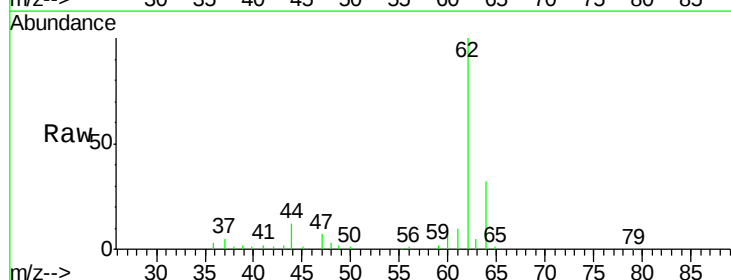
Acq: 24 Jun 2018 18:43

Tgt Ion: 62 Resp: 184010

Ion Ratio Lower Upper

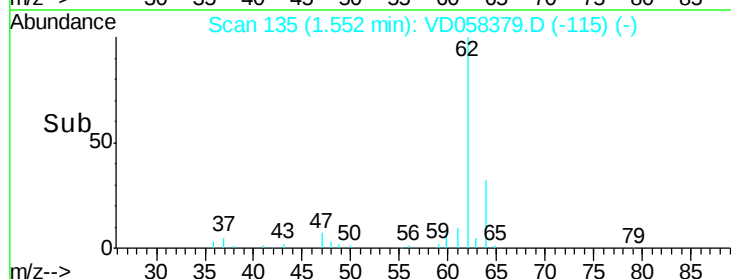
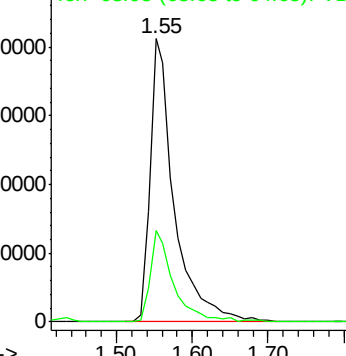
62 100

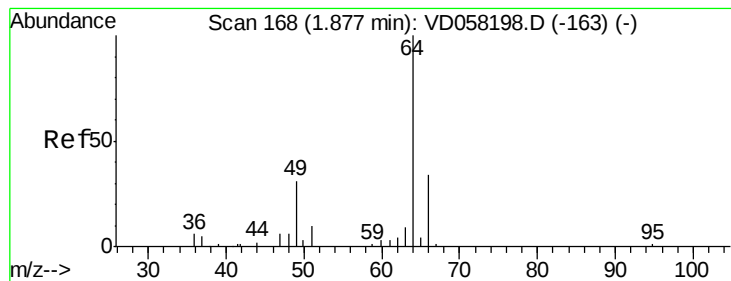
64 32.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 24.190 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

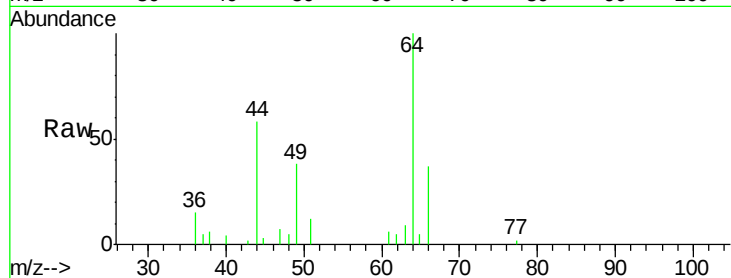
ClientSampleId :

Tot Ion: 64 Resp: 33810

Ion Ratio Lower Upper

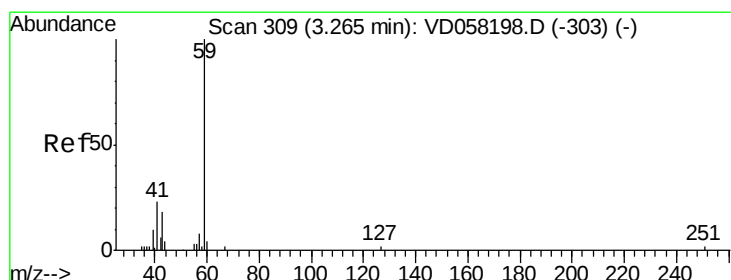
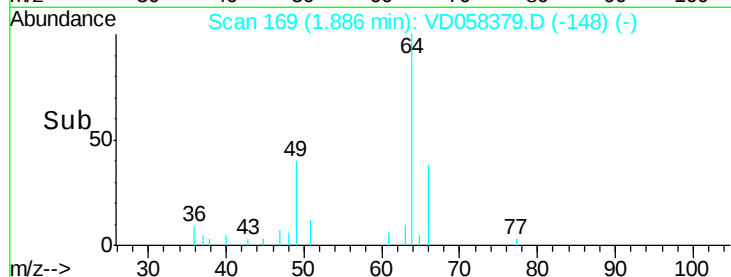
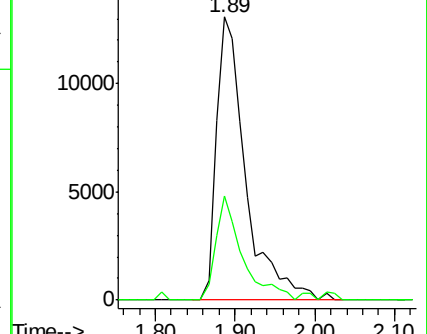
64 100

66 36.7 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#11

Tert butyl alcohol

Concen: 28.246 ug/l

RT: 3.25 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD058379.D

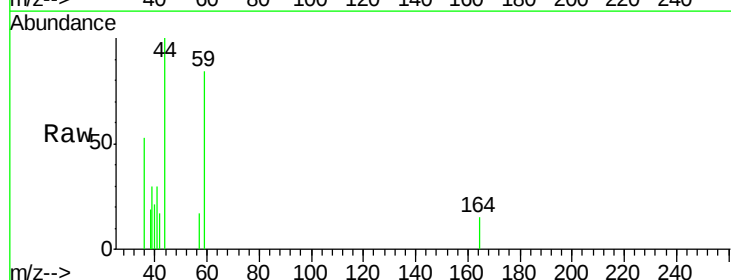
Acq: 24 Jun 2018 18:43

Tgt Ion: 59 Resp: 6439

Ion Ratio Lower Upper

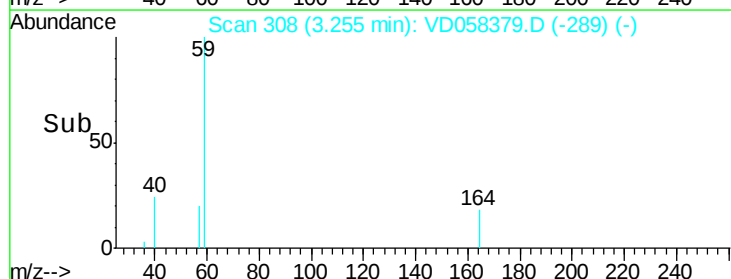
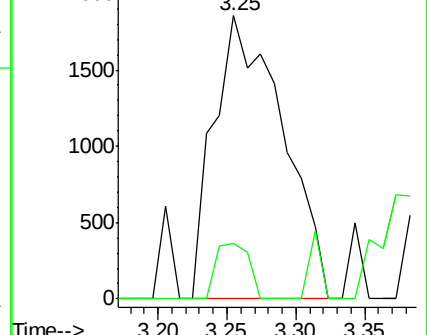
59 100

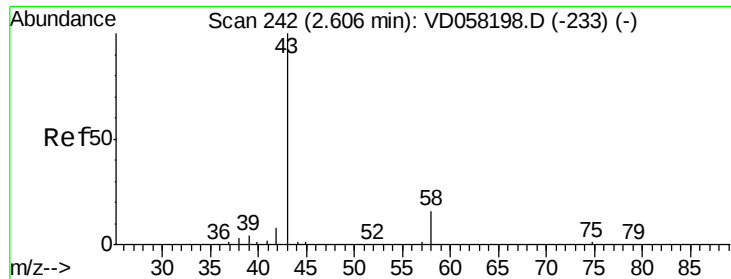
57 19.7 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 64.509 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

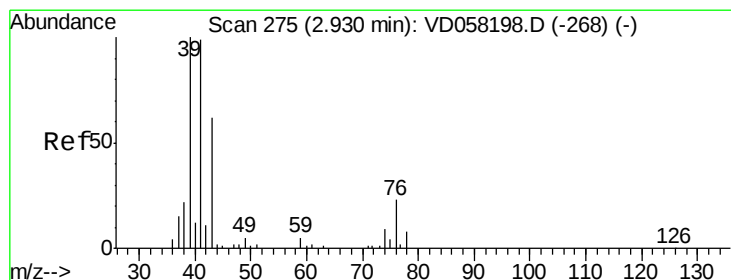
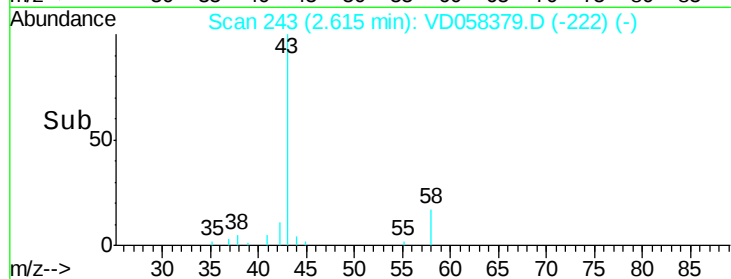
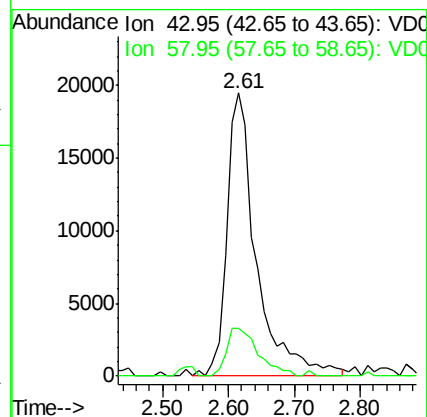
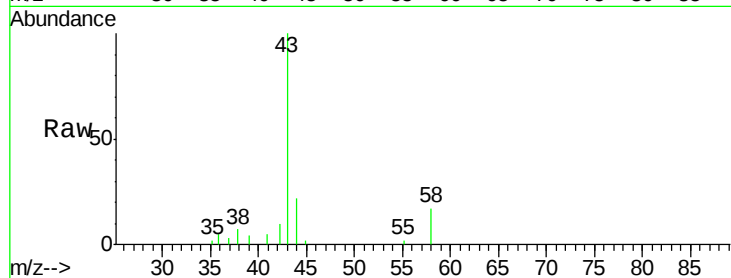
ClientSampleId :

Tot Ion: 43 Resp: 60977

Ion Ratio Lower Upper

43 100

58 16.7 12.7 19.1



#18

Methyl Acetate

Concen: 1.050 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058379.D

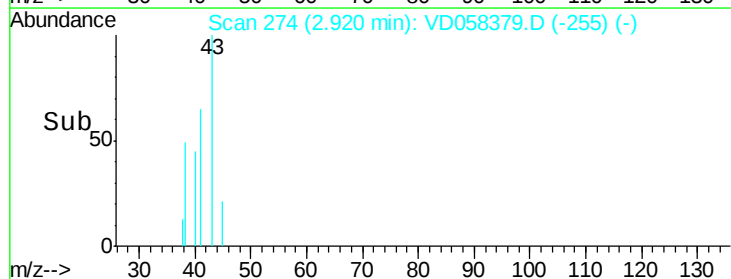
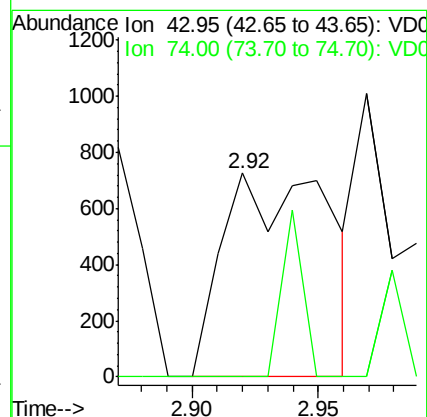
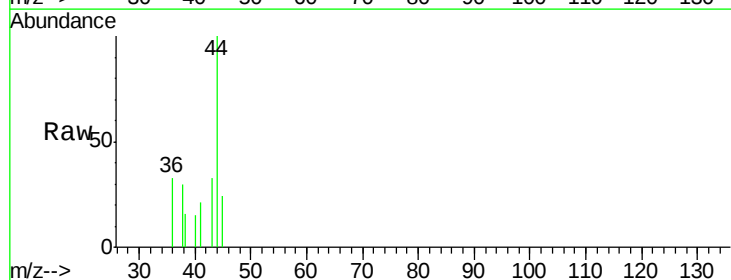
Acq: 24 Jun 2018 18:43

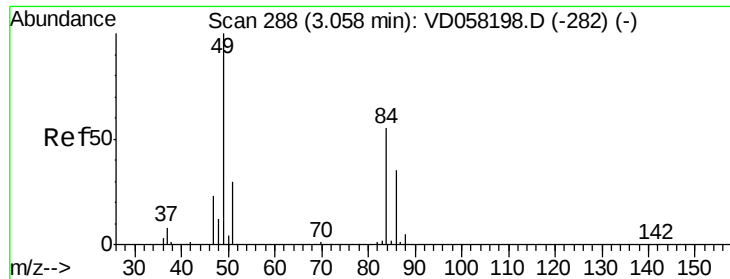
Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

43 100

74 0.0 11.7 17.5#

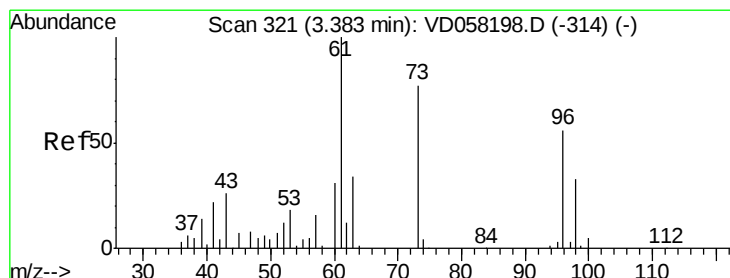
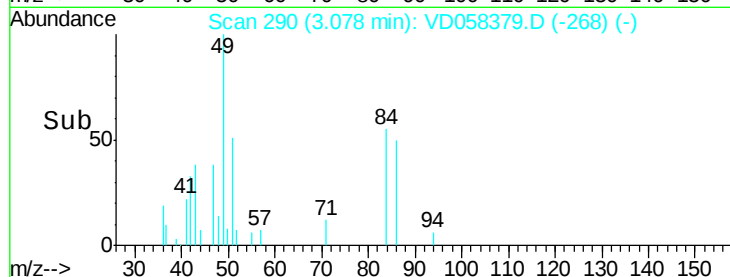
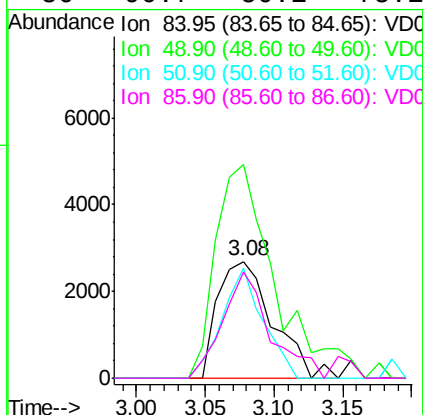
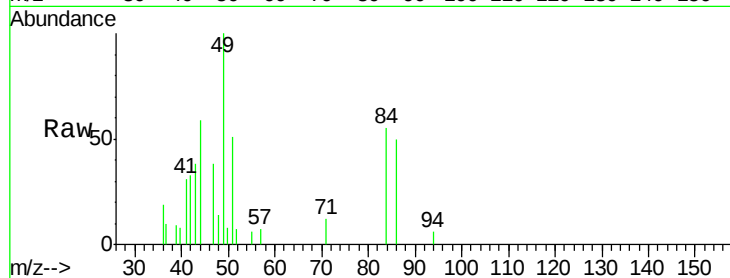




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

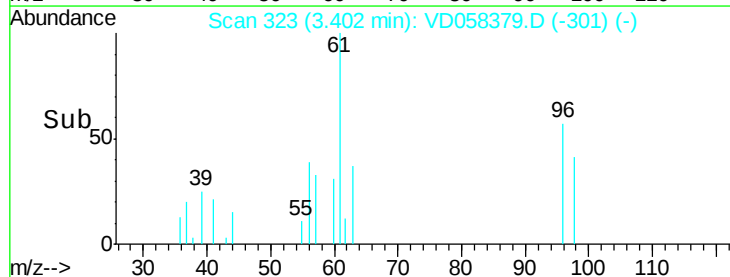
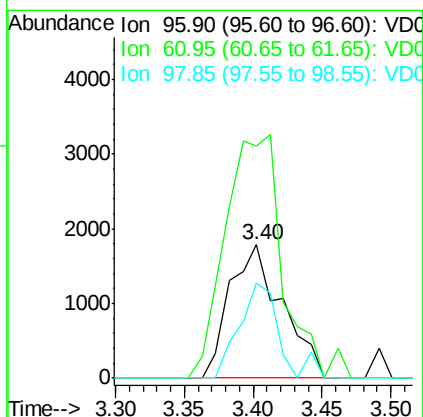
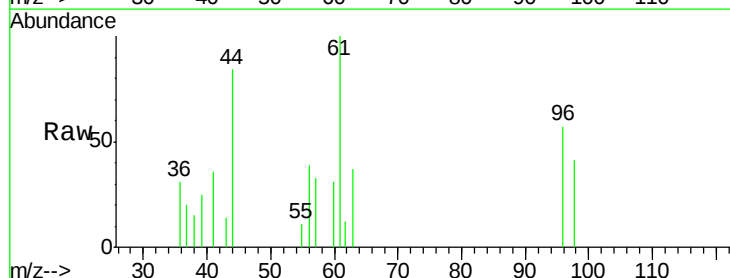
Instrument :
MSVOA_D
ClientSampleId :

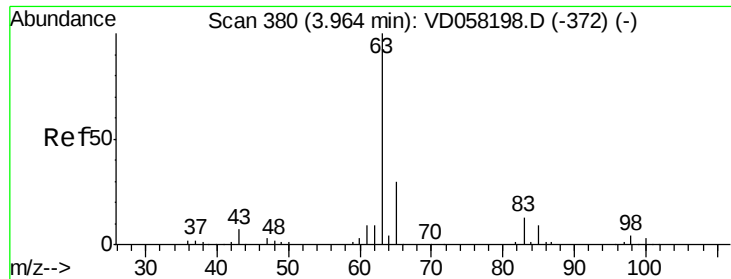
Tot Ion: 84 Resp: 7463
Ion Ratio Lower Upper
84 100
49 182.9 145.0 217.6
51 93.9 42.9 64.3#
86 90.7 50.1 75.1#



#21
trans-1,2-Dichloroethene
Concen: 1.833 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 96 Resp: 4709
Ion Ratio Lower Upper
96 100
61 174.5 143.8 215.6
98 71.2 48.0 72.0





#24

1,1-Dichloroethane

Concen: 3.147 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

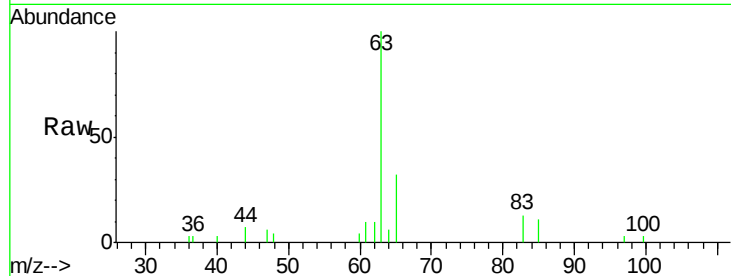
Tot Ion: 63 Resp: 36842

Ion Ratio Lower Upper

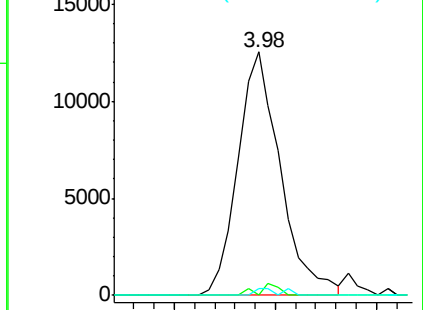
63 100

98 0.0 1.9 5.7#

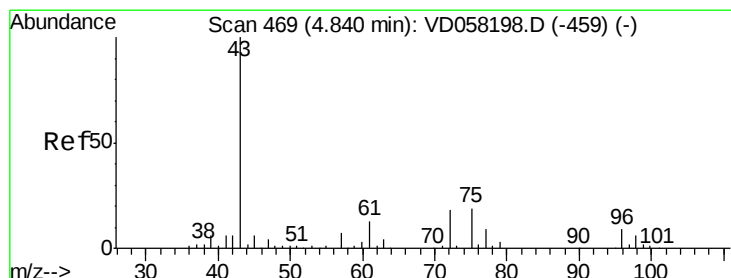
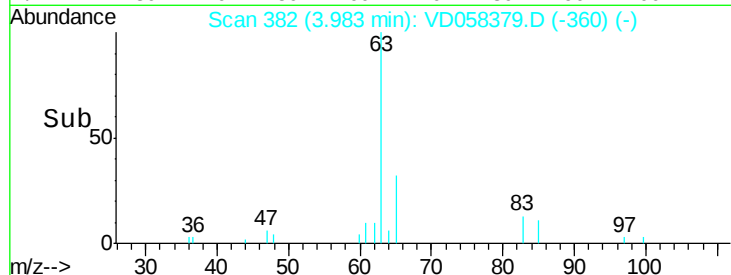
100 2.9 1.3 3.9



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



Time-->



#25

2-Butanone

Concen: 7.967 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058379.D

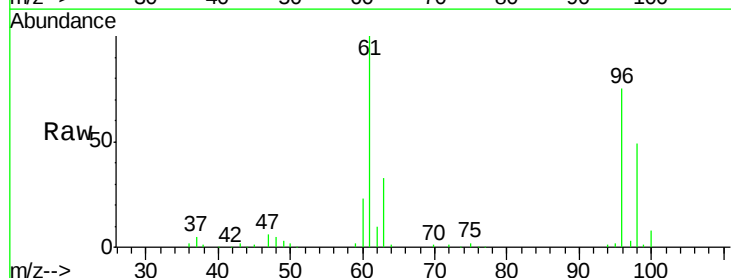
Acq: 24 Jun 2018 18:43

Tgt Ion: 43 Resp: 16413

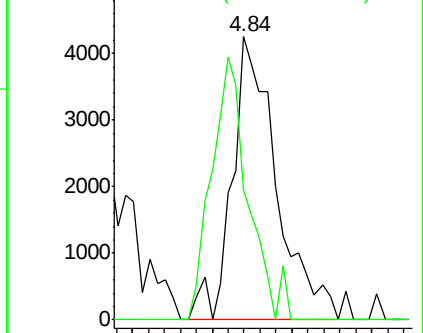
Ion Ratio Lower Upper

43 100

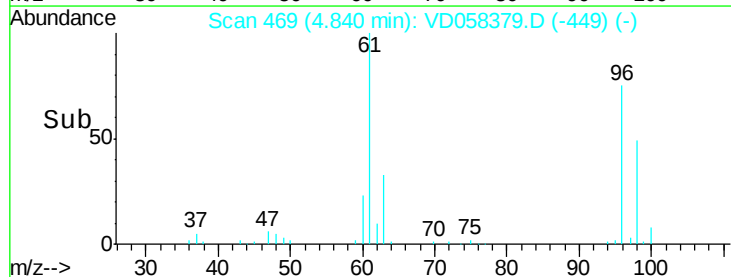
72 45.8 14.1 21.1#

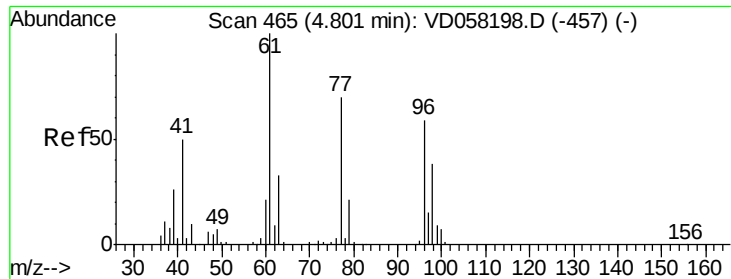


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



Time-->



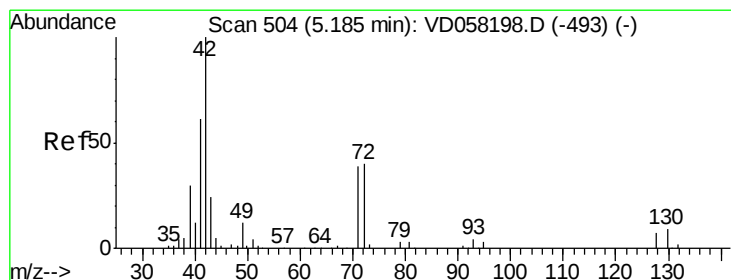
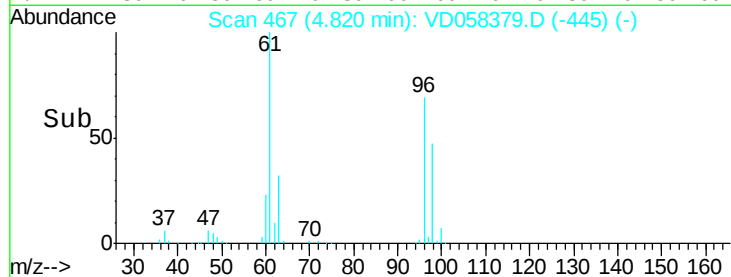
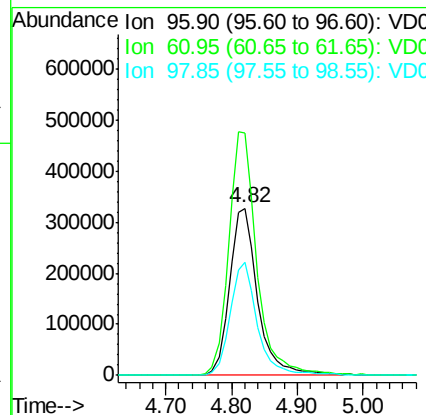
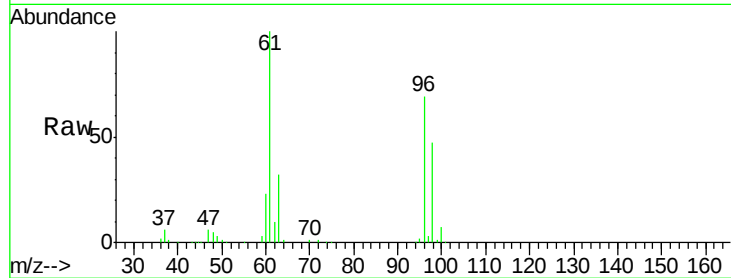


#27

cis-1,2-Dichloroethene
Concen: 152.441 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampled :

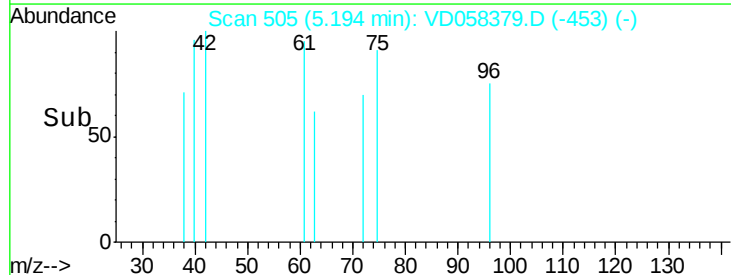
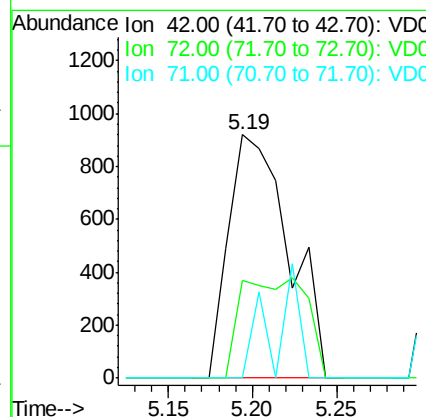
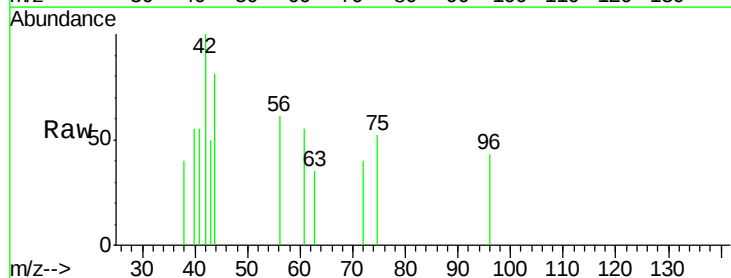
Tot Ion	96	Resp	978754
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	338.6
98	68.0	0.0	130.2

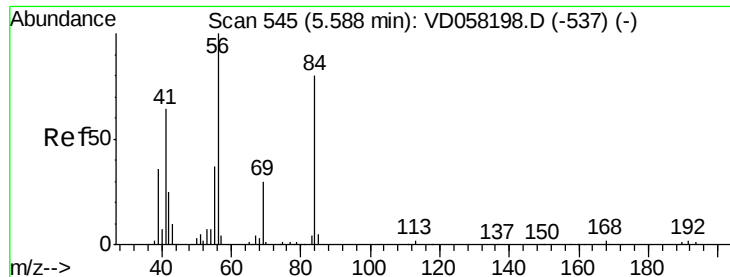


#29

Tetrahydrofuran
Concen: 2.076 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion	42	Resp	2277
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	8.5	30.1	45.1#

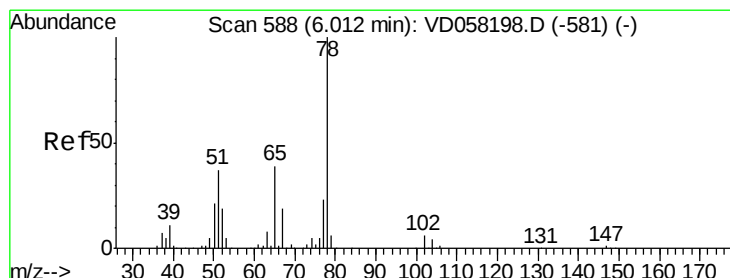
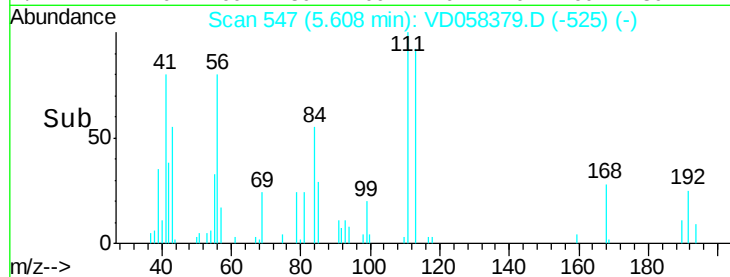
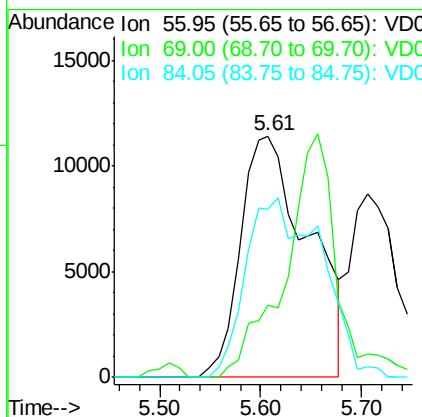
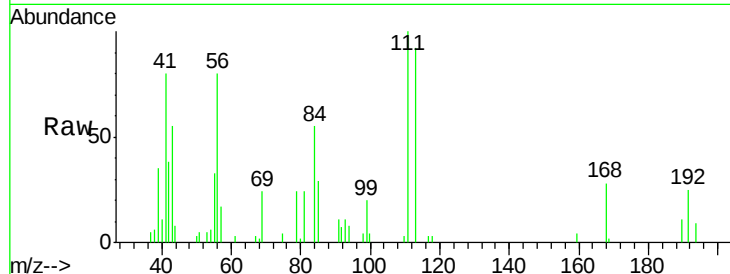




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

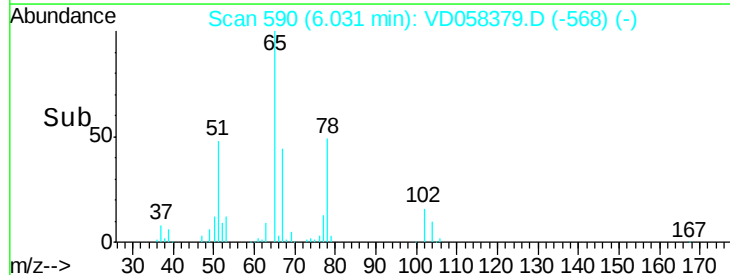
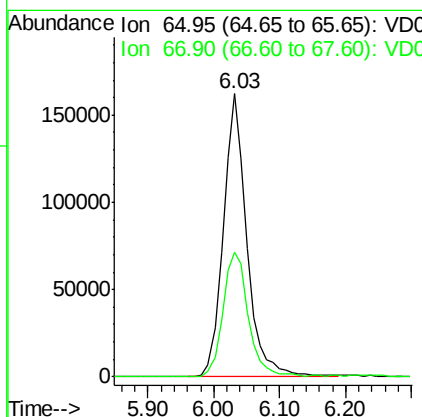
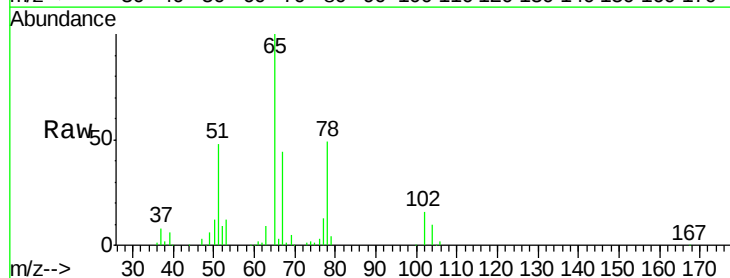
Instrument :
MSVOA_D
ClientSampleId :

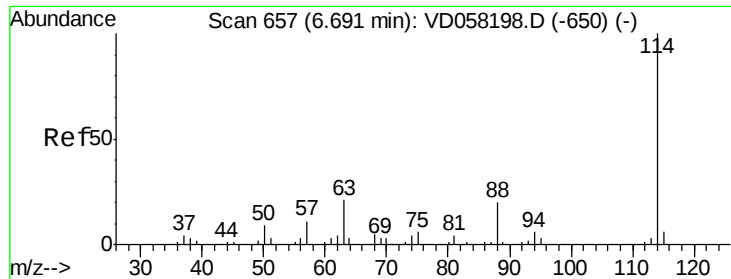
Tot Ion: 56 Resp: 53291
Ion Ratio Lower Upper
56 100
69 29.9 23.6 35.4
84 69.5 65.2 97.8



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 65 Resp: 404027
Ion Ratio Lower Upper
65 100
67 44.2 0.0 97.8

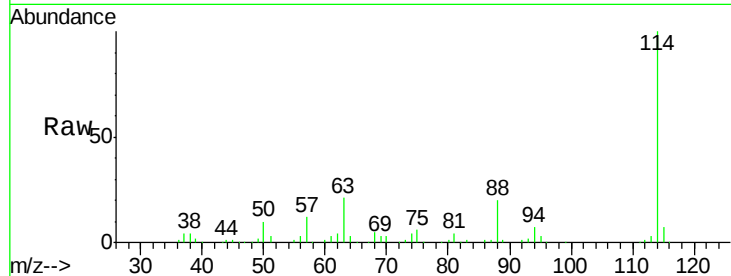




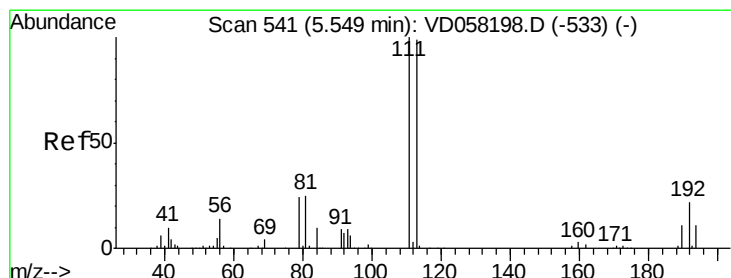
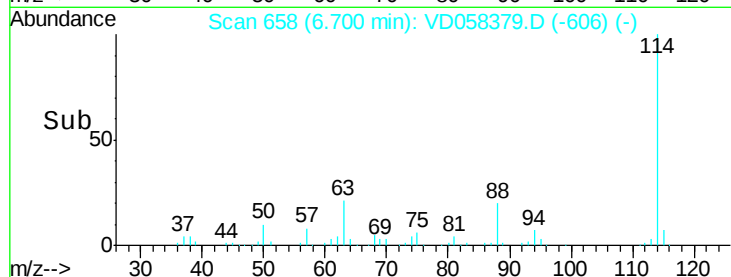
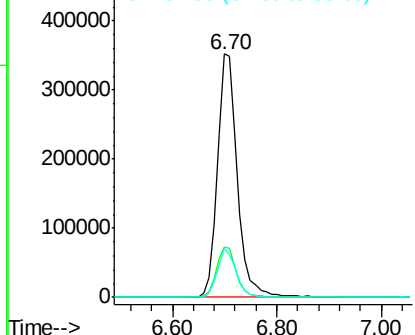
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 930865
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 20.0 0.0 40.6

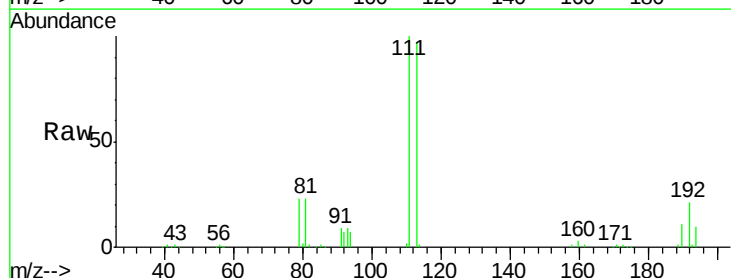


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

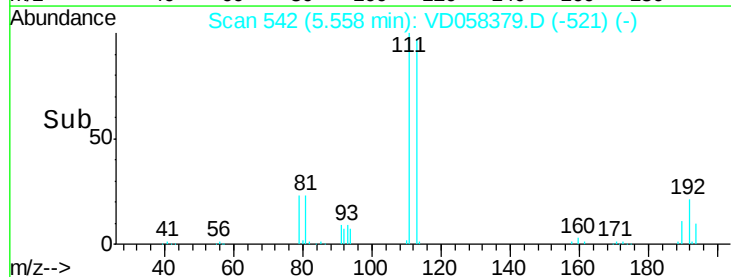
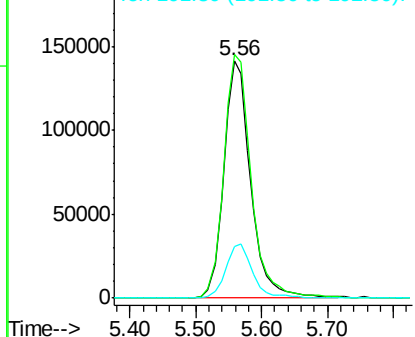


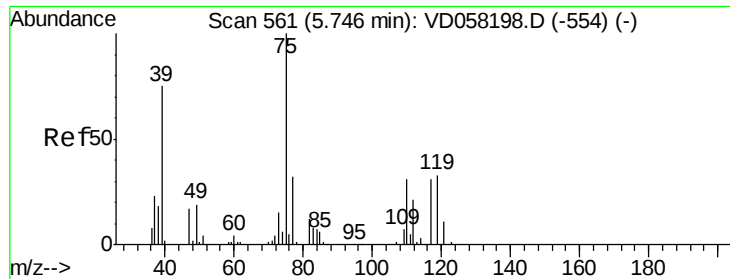
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion:113 Resp: 401970
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.6 121.0
 192 21.5 17.8 26.6



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





#36

1,1-Dichloropropene

Concen: 5.614 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

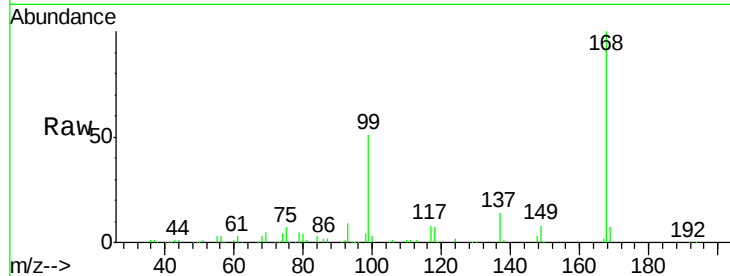
Tot Ion: 75 Resp: 51698

Ion Ratio Lower Upper

75 100

110 8.0 15.4 46.4#

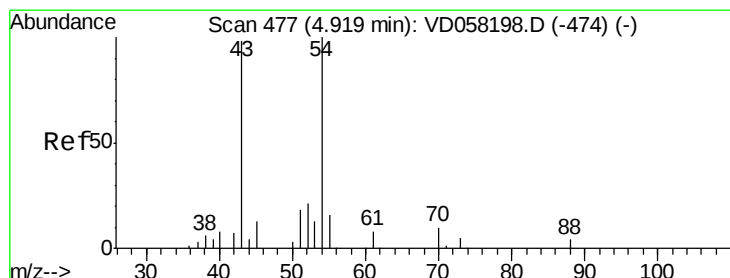
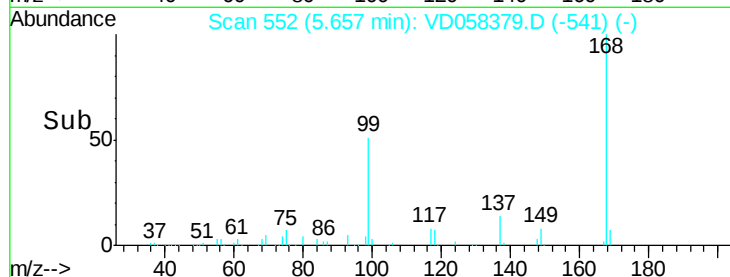
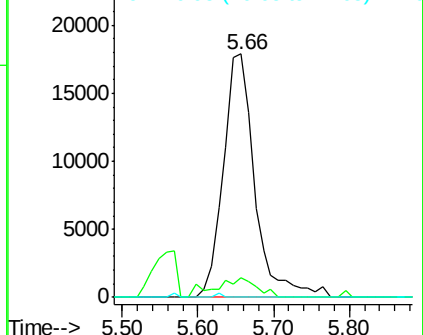
77 2.3 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 3.128 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.08 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

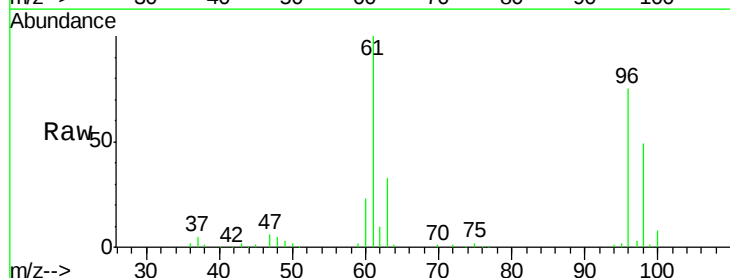
Tgt Ion: 43 Resp: 16413

Ion Ratio Lower Upper

43 100

61 4520.7 10.3 15.5#

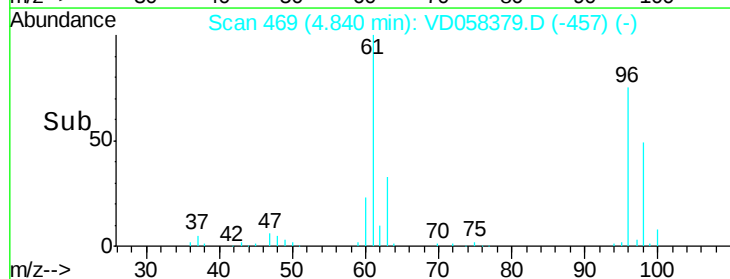
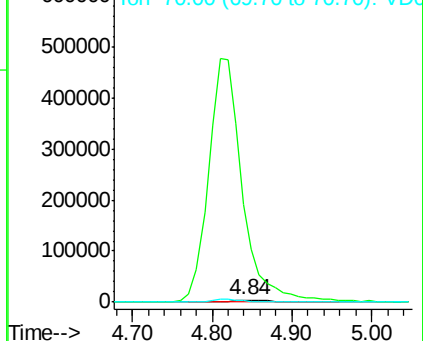
70 52.6 5.7 8.5#

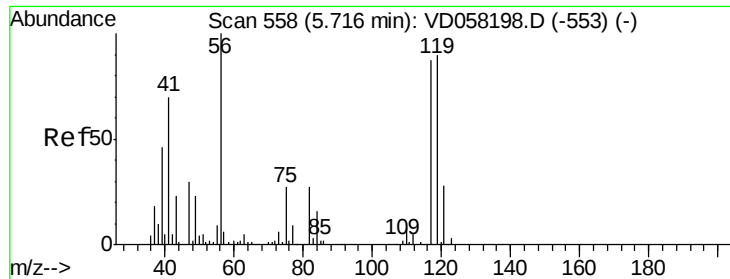


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

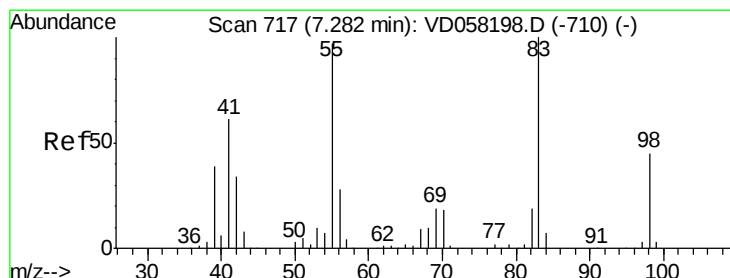
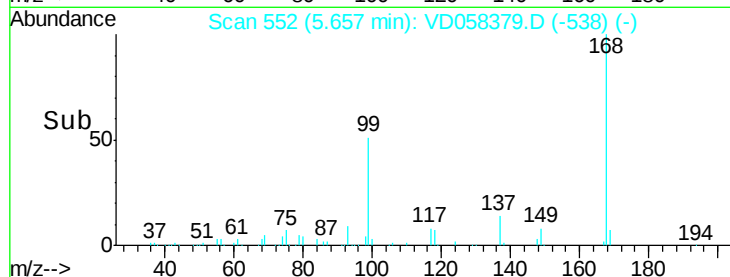
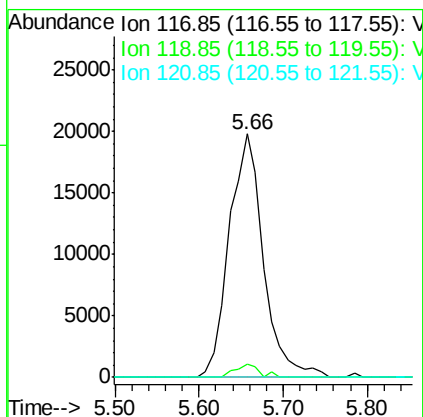
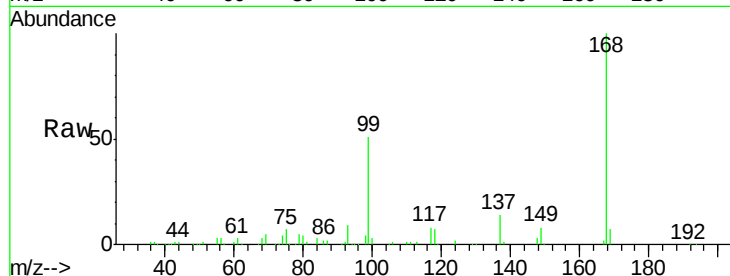




#38
Carbon Tetrachloride
Concen: 6.088 ug/l
RT: 5.66 min Scan# 552
Delta R.T. -0.06 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

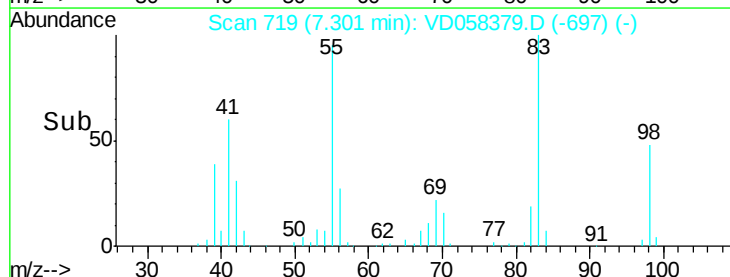
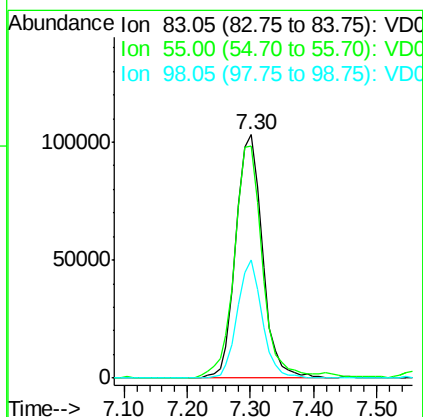
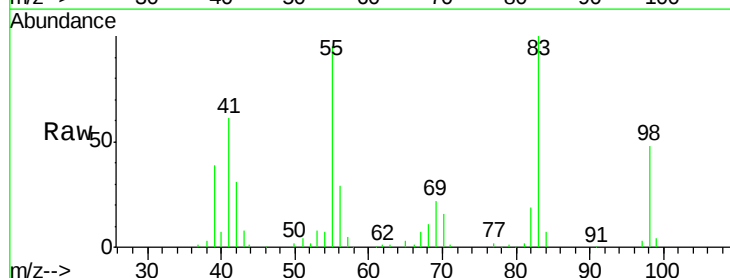
Instrument :
MSVOA_D
ClientSampled :

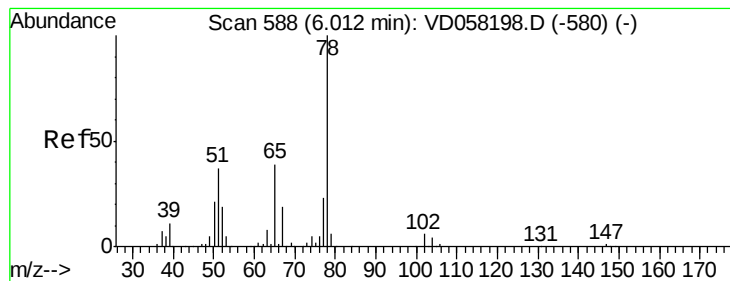
Tot Ion:117 Resp: 55704
Ion Ratio Lower Upper
117 100
119 5.2 78.8 118.2#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 33.501 ug/l
RT: 7.30 min Scan# 719
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 83 Resp: 300486
Ion Ratio Lower Upper
83 100
55 95.4 77.4 116.2
98 48.4 35.9 53.9





#40

Benzene

Concen: 9.908 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

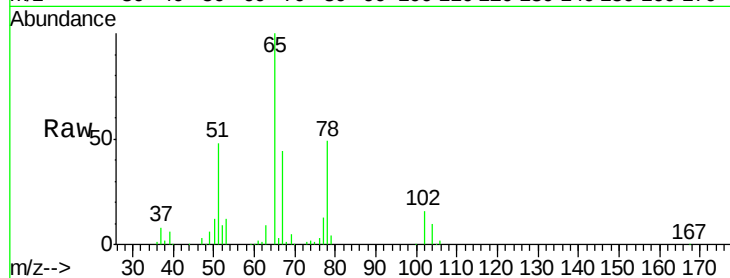
ClientSampleId :

Tot Ion: 78 Resp: 217331

Ion Ratio Lower Upper

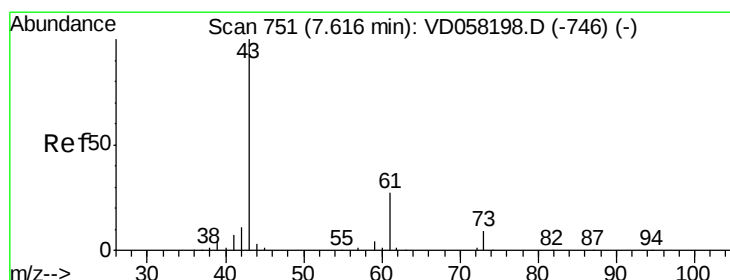
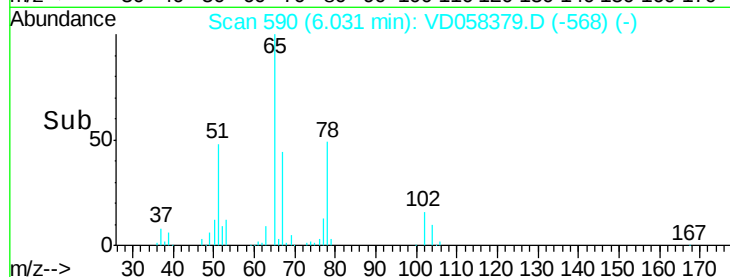
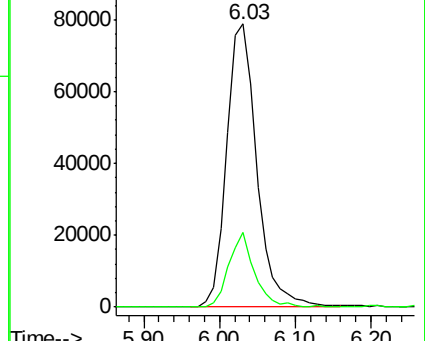
78 100

77 26.6 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#43

Isopropyl Acetate

Concen: 1.344 ug/l

RT: 7.66 min Scan# 755

Delta R.T. 0.04 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

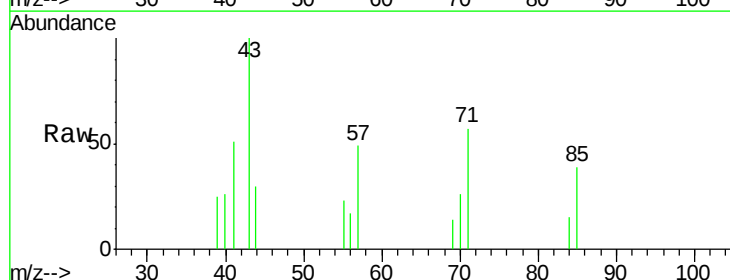
Tgt Ion: 43 Resp: 9401

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

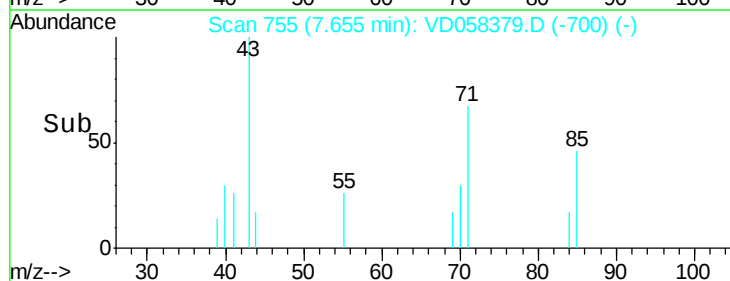
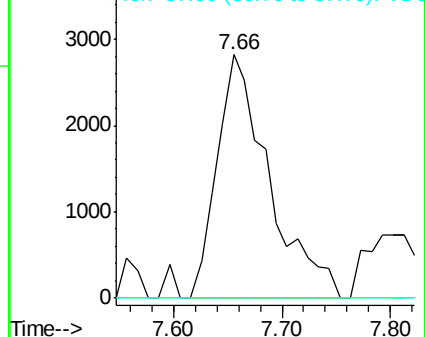
87 0.0 0.3 0.5#

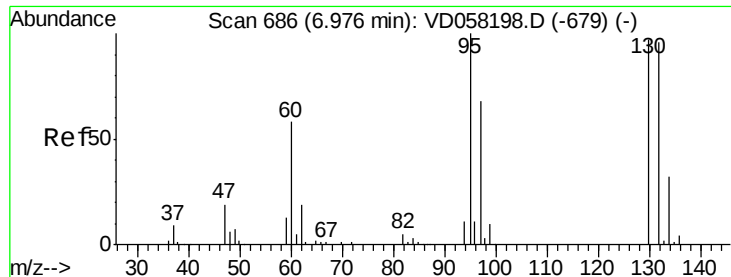


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

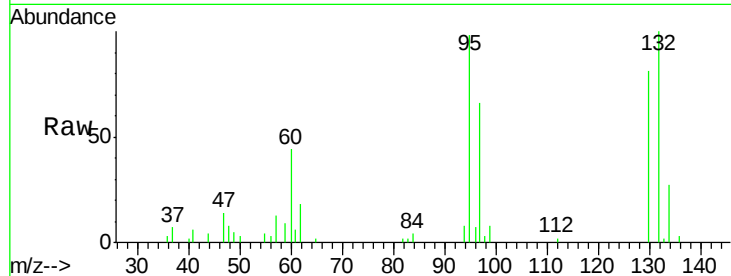




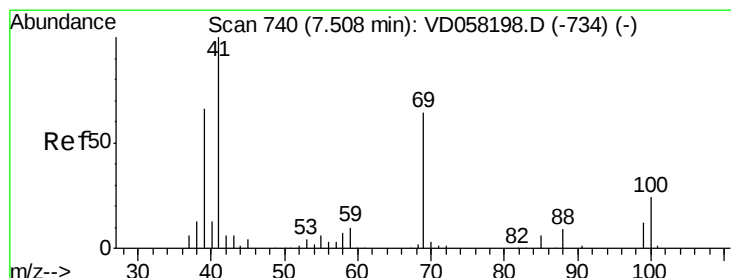
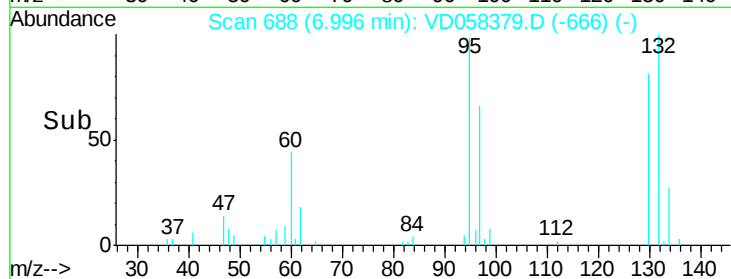
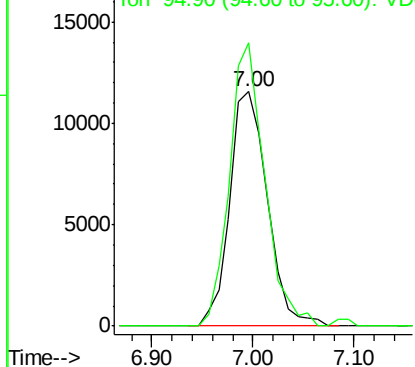
#44
 Trichloroethene
 Concen: 4.554 ug/l
 RT: 7.00 min Scan# 688
 Delta R.T. 0.02 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:130 Resp: 29996
 Ion Ratio Lower Upper
 130 100
 95 120.6 0.0 205.6

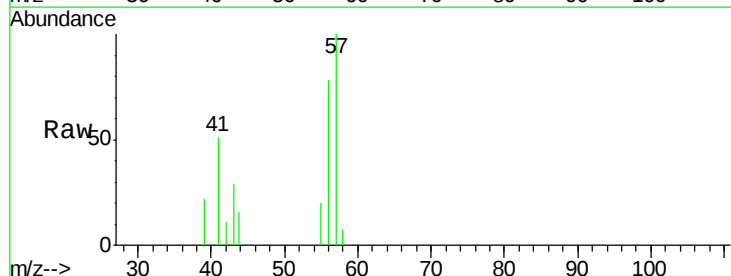


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

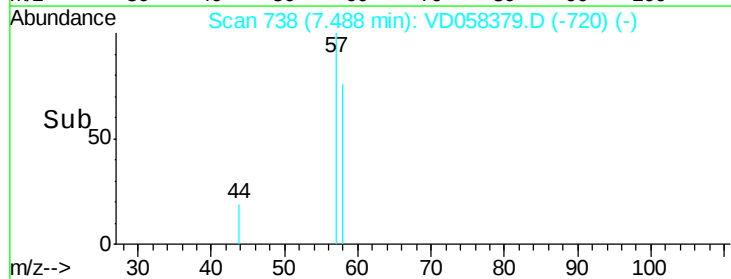
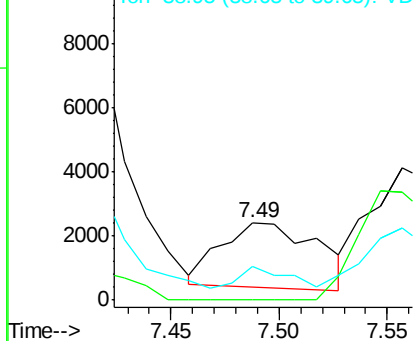


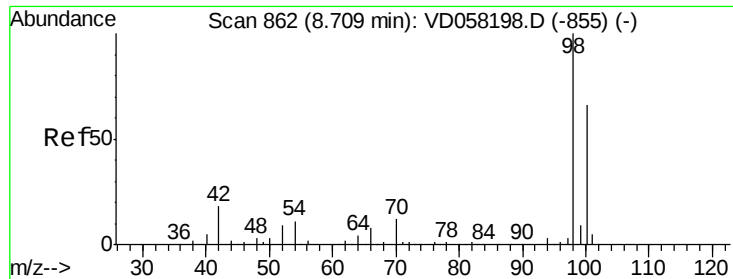
#48
 Methyl methacrylate
 Concen: 1.461 ug/l
 RT: 7.49 min Scan# 738
 Delta R.T. -0.02 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion: 41 Resp: 6211
 Ion Ratio Lower Upper
 41 100
 69 0.0 50.7 76.1#
 39 42.7 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

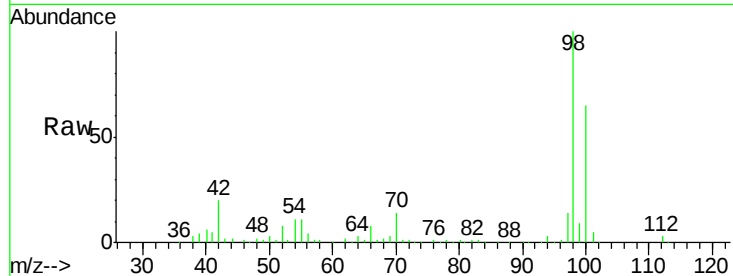




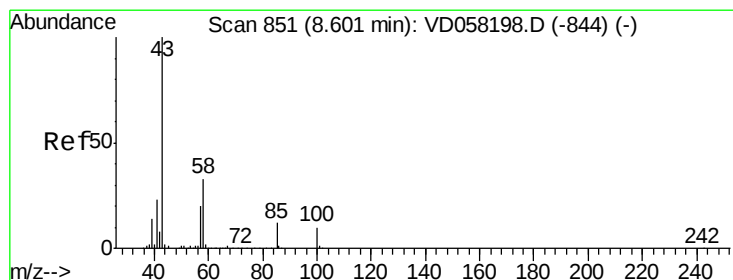
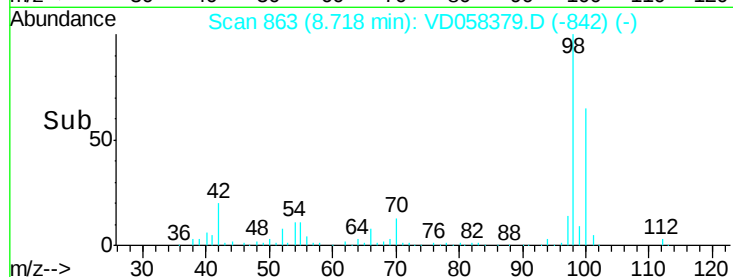
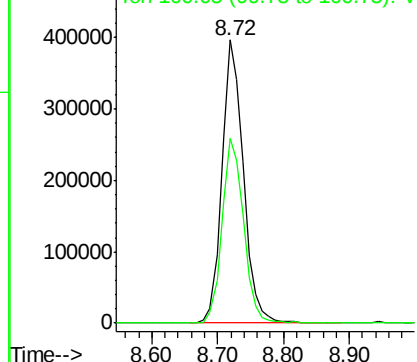
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 901260
Ion Ratio Lower Upper
98 100
100 65.3 53.6 80.4

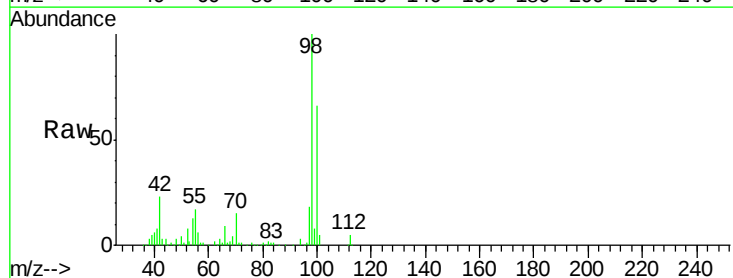


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

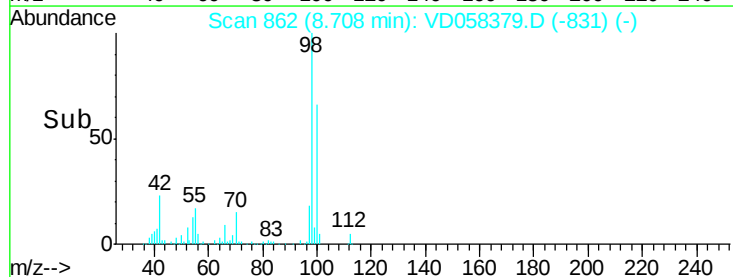
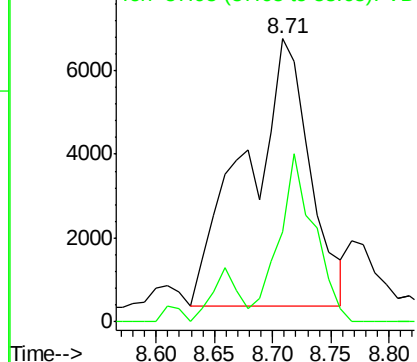


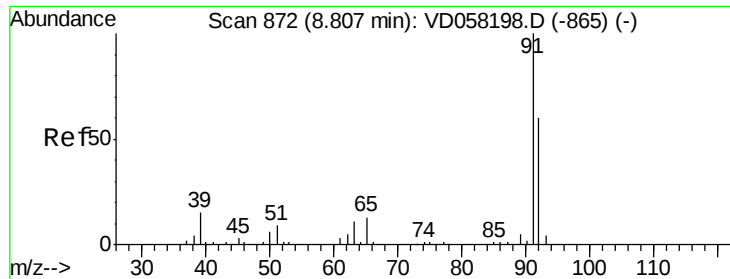
#51
4-Methyl-2-Pentanone
Concen: 5.289 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.11 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 43 Resp: 24133
Ion Ratio Lower Upper
43 100
58 32.0 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: 3.484 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

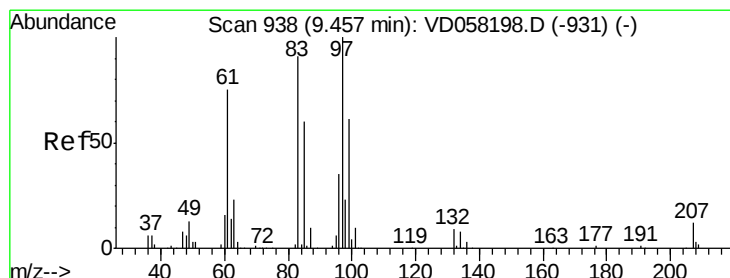
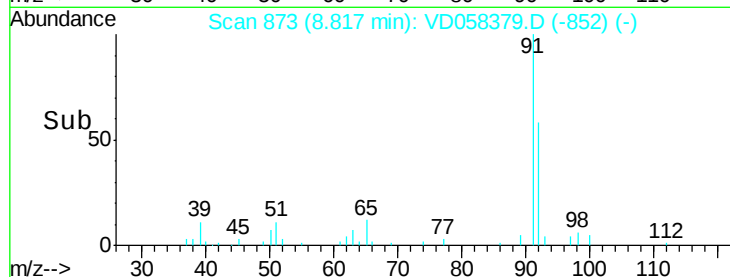
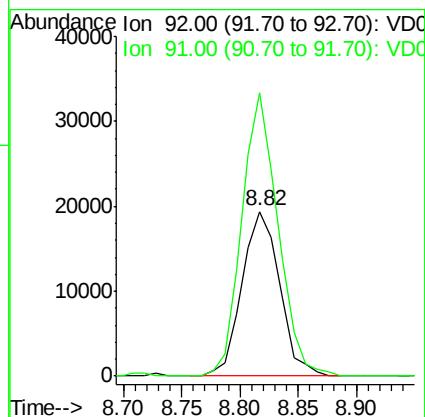
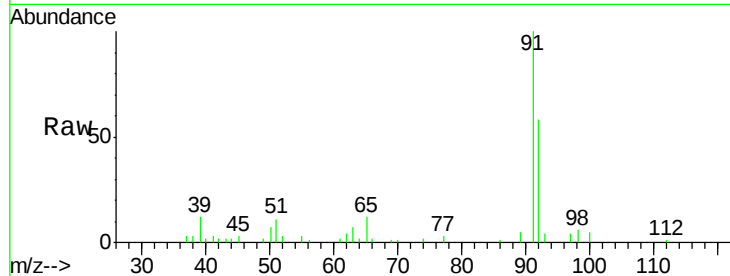
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 43520

Ion Ratio Lower Upper

92 100

91 171.6 133.2 199.8



#55

1,1,2-Trichloroethane

Concen: 9.079 ug/l

RT: 9.39 min Scan# 931

Delta R.T. -0.07 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Tgt Ion: 97 Resp: 40120

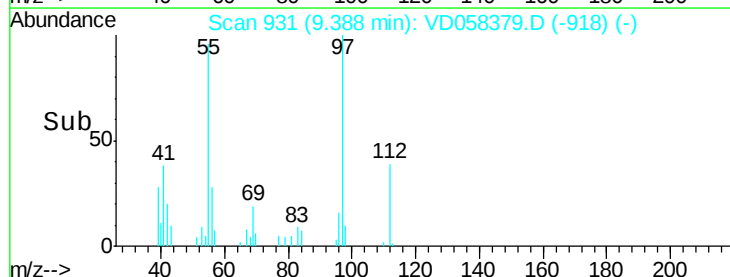
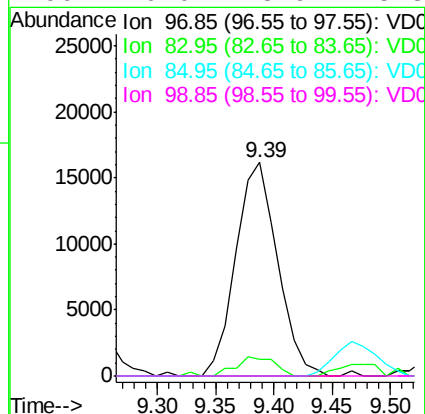
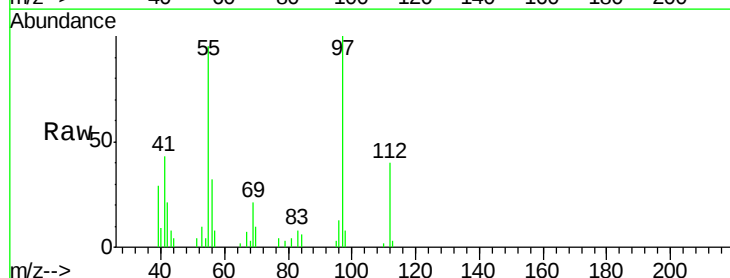
Ion Ratio Lower Upper

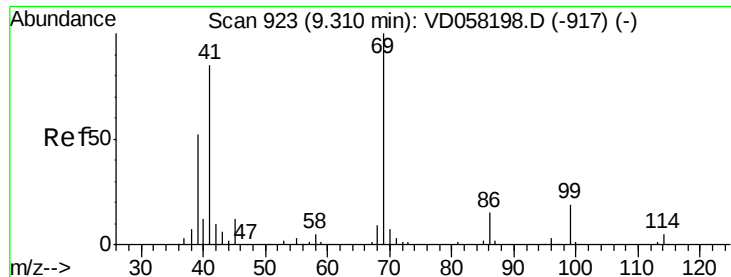
97 100

83 7.6 72.9 109.3#

85 0.0 48.2 72.4#

99 0.0 48.9 73.3#

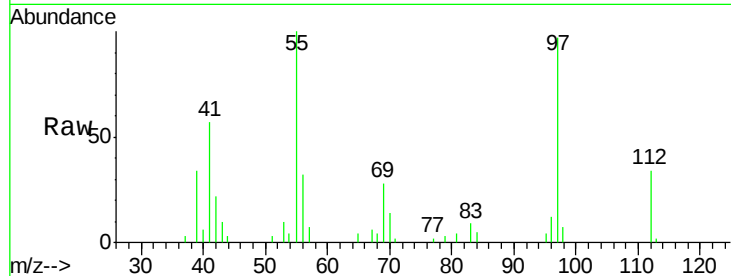




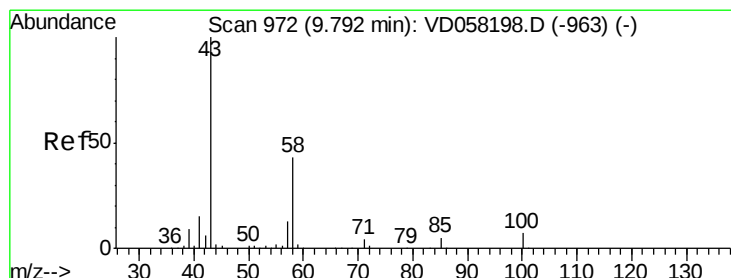
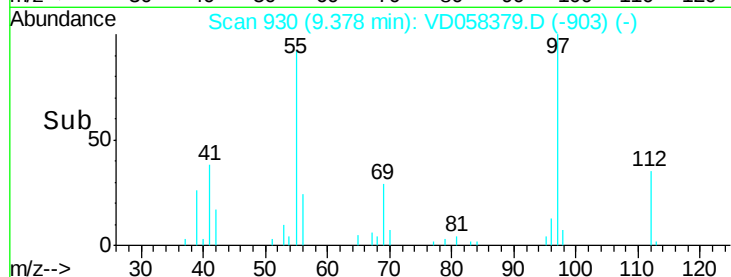
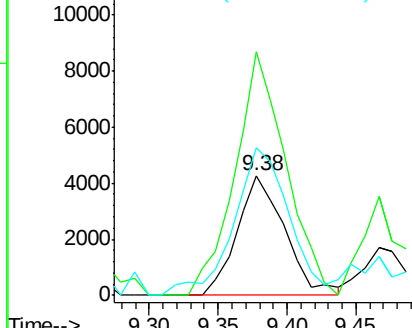
#56
Ethyl methacrylate
Concen: 1.955 ug/l
RT: 9.38 min Scan# 930
Delta R.T. 0.07 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 69 Resp: 10330
Ion Ratio Lower Upper
69 100
41 203.2 67.6 101.4#
39 123.3 42.2 63.2#

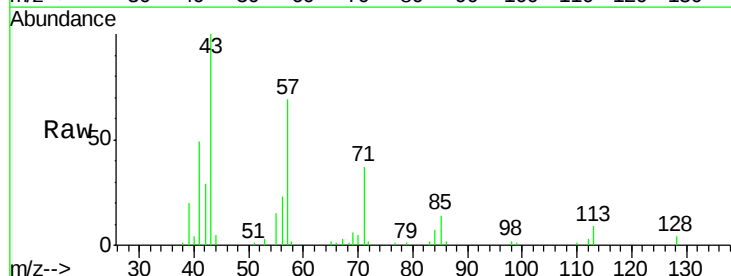


Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

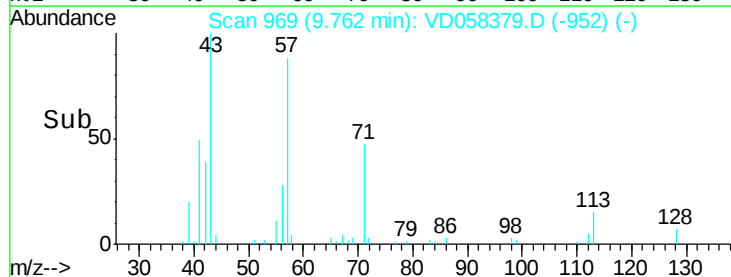
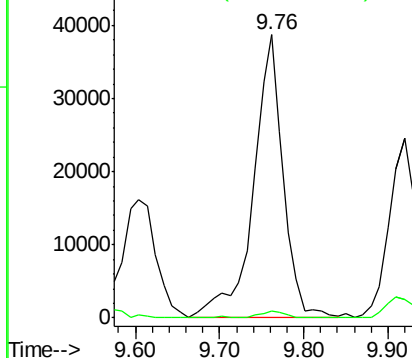


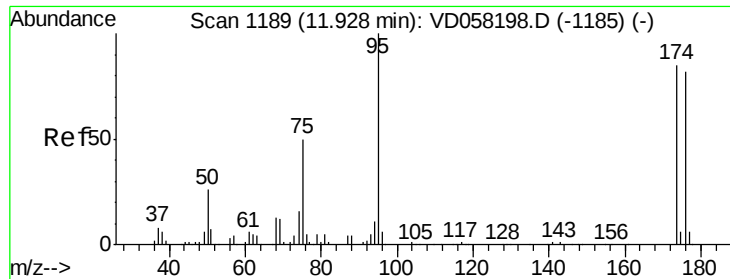
#59
2-Hexanone
Concen: 29.165 ug/l
RT: 9.76 min Scan# 969
Delta R.T. -0.03 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 43 Resp: 96154
Ion Ratio Lower Upper
43 100
58 2.3 21.7 65.1#



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

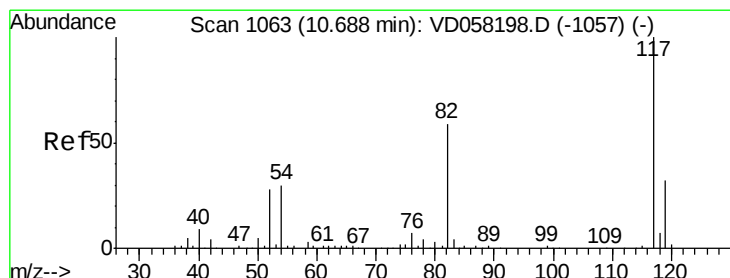
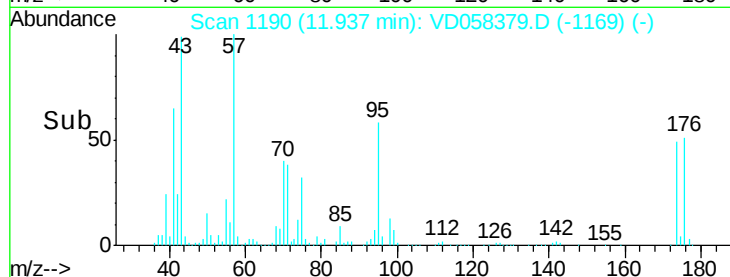
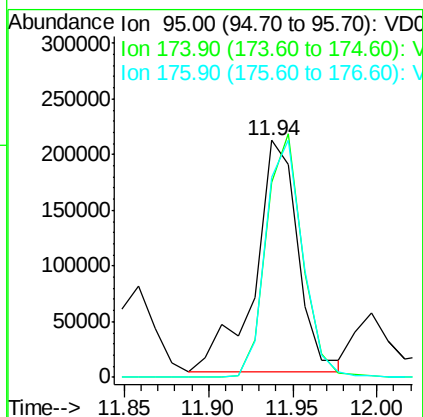
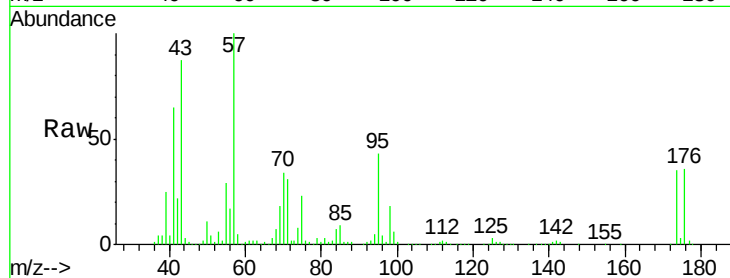




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

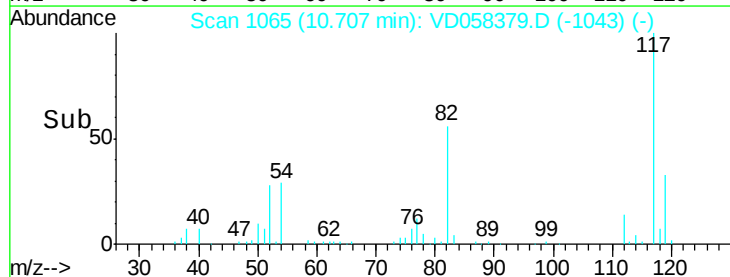
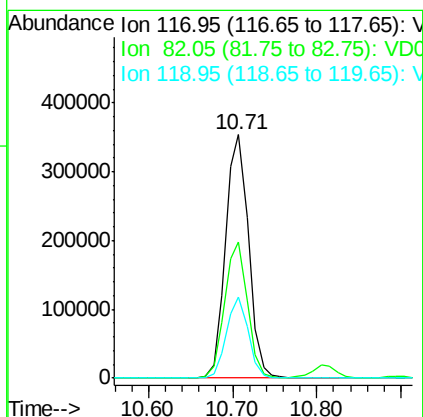
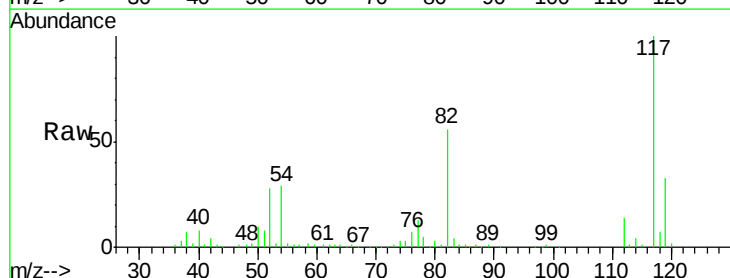
Instrument :
MSVOA_D
ClientSampled :

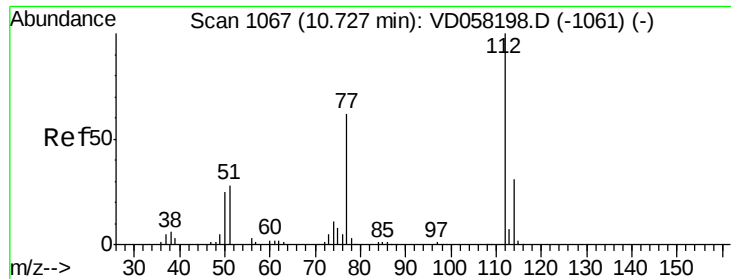
Tot Ion: 95 Resp: 369237
Ion Ratio Lower Upper
95 100
174 82.0 0.0 170.2
176 84.3 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion: 117 Resp: 669507
Ion Ratio Lower Upper
117 100
82 56.1 47.0 70.6
119 33.1 25.3 37.9





#65

Chlorobenzene

Concen: 492.541 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

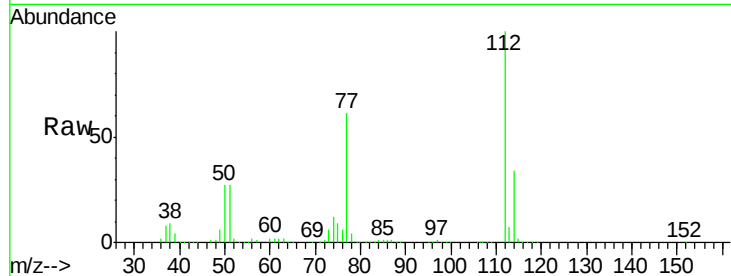
ClientSampleId :

Tot Ion:112 Resp: 6168314

Ion Ratio Lower Upper

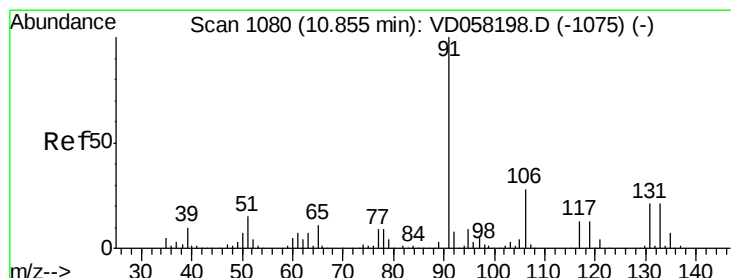
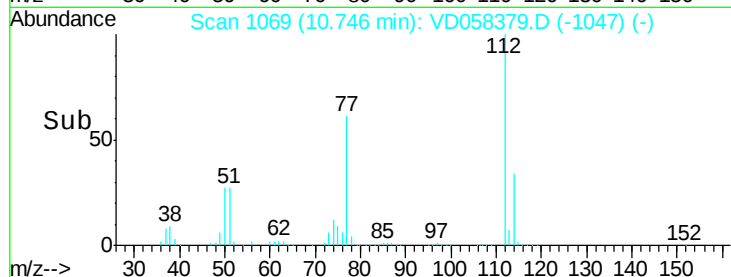
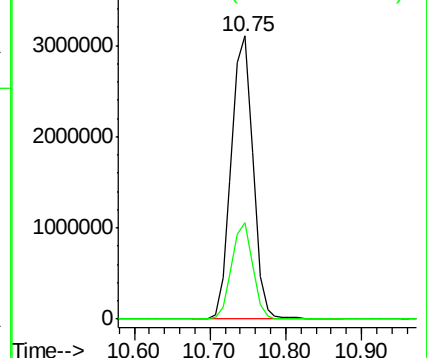
112 100

114 34.0 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#67

Ethyl Benzene

Concen: 9.677 ug/l

RT: 10.87 min Scan# 1082

Delta R.T. 0.02 min

Lab File: VD058379.D

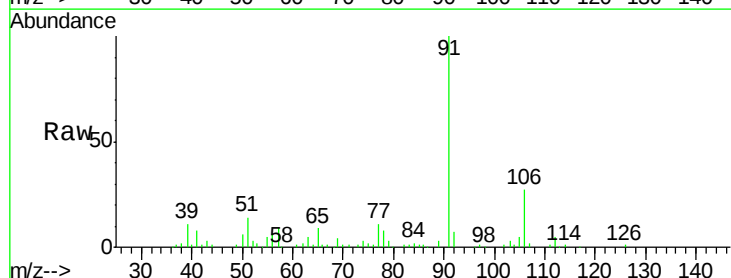
Acq: 24 Jun 2018 18:43

Tgt Ion: 91 Resp: 213947

Ion Ratio Lower Upper

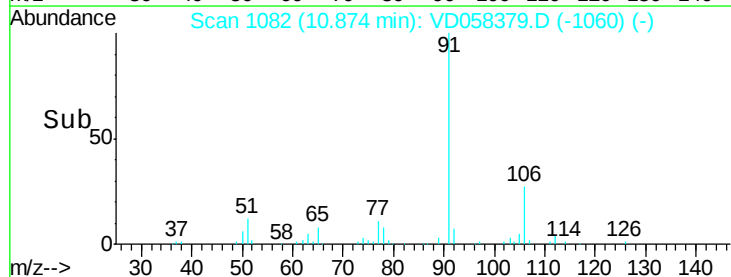
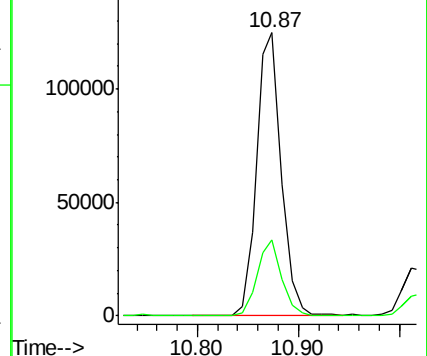
91 100

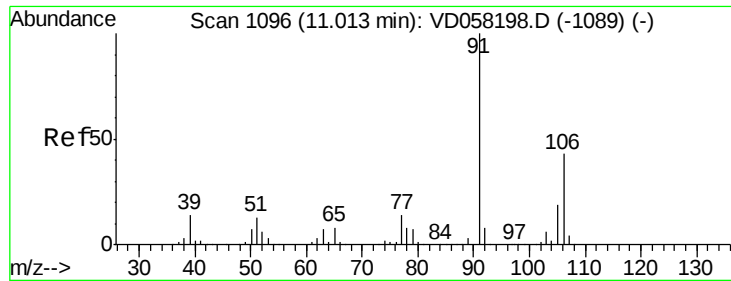
106 26.7 22.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

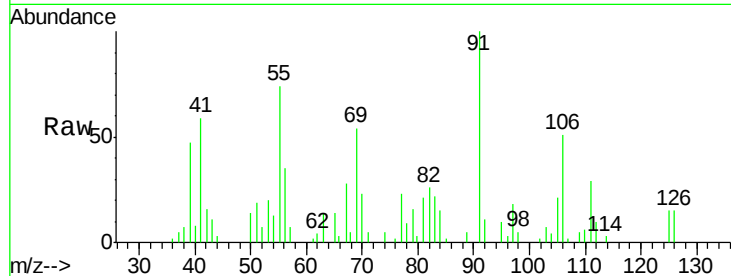




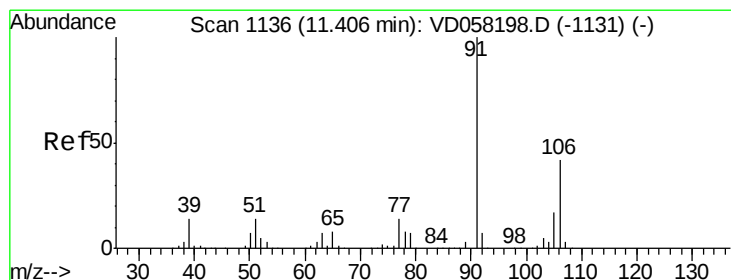
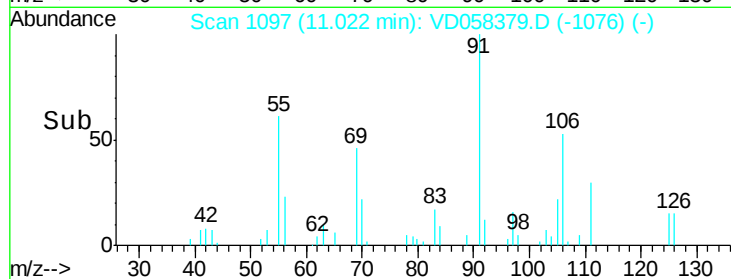
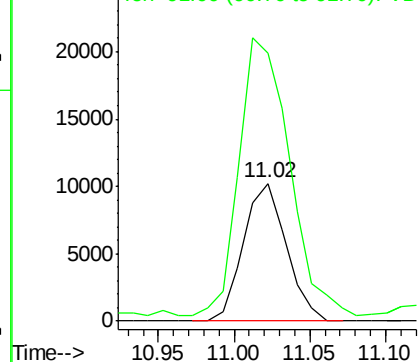
#68
m/p-Xylenes
Concen: 2.733 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 20152
Ion Ratio Lower Upper
106 100
91 194.6 185.0 277.6

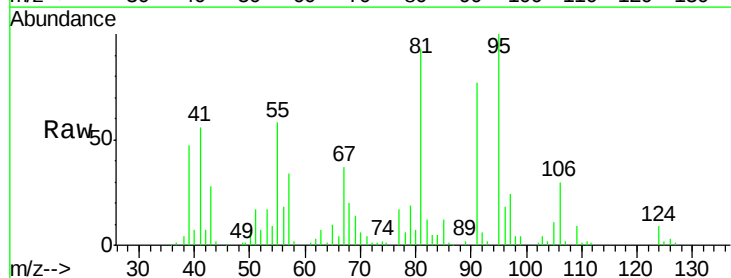


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

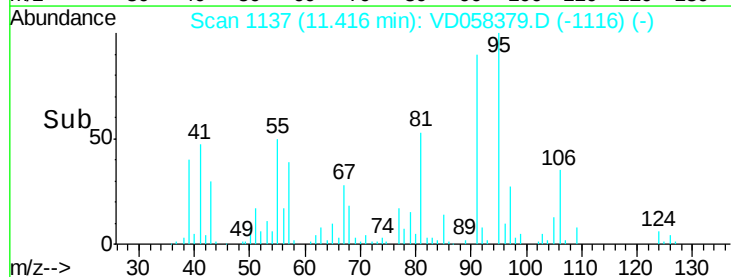
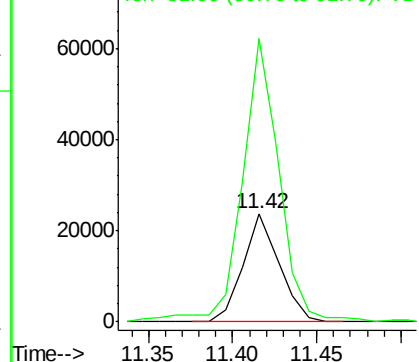


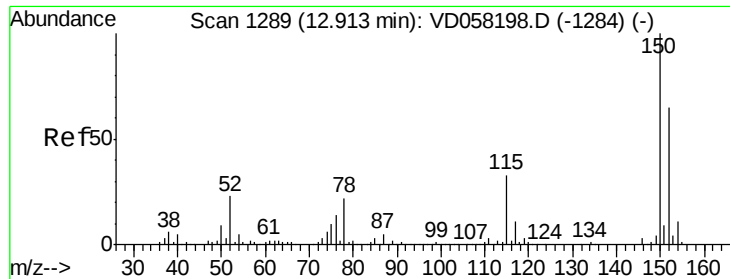
#69
o-Xylene
Concen: 5.000 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion:106 Resp: 35213
Ion Ratio Lower Upper
106 100
91 261.3 120.2 360.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

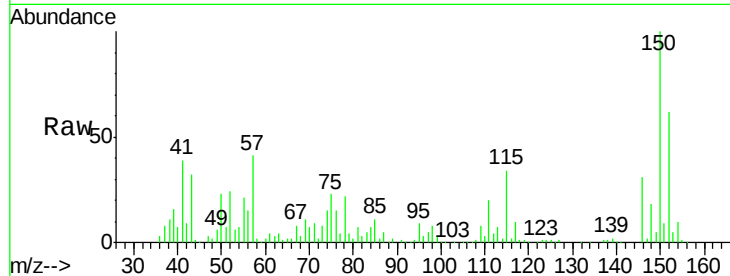
Tot Ion:152 Resp: 344370

Ion Ratio Lower Upper

152 100

115 54.5 25.1 75.3

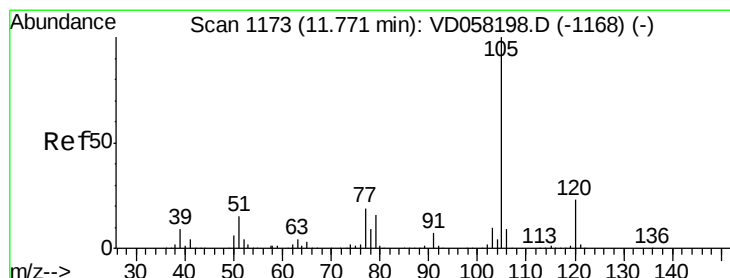
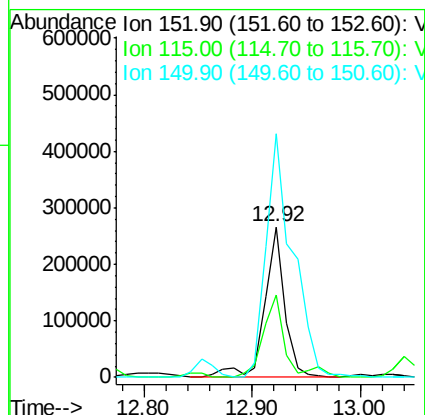
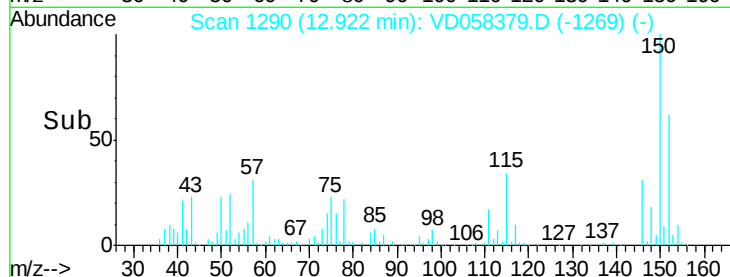
150 162.1 0.0 308.8



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: 14.091 ug/l

RT: 11.79 min Scan# 1175

Delta R.T. 0.02 min

Lab File: VD058379.D

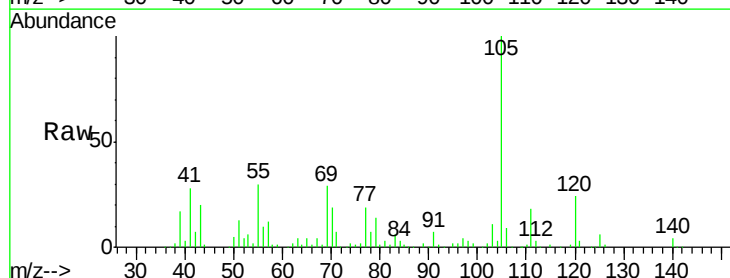
Acq: 24 Jun 2018 18:43

Tgt Ion:105 Resp: 290255

Ion Ratio Lower Upper

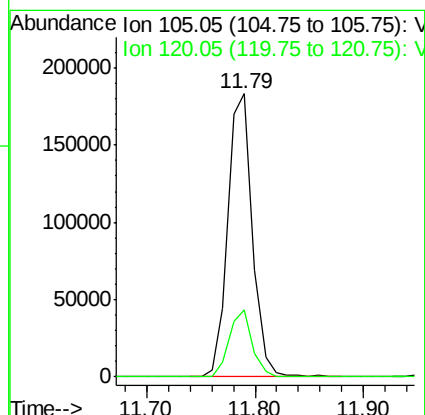
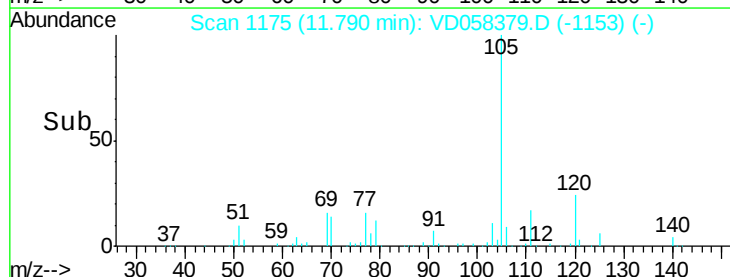
105 100

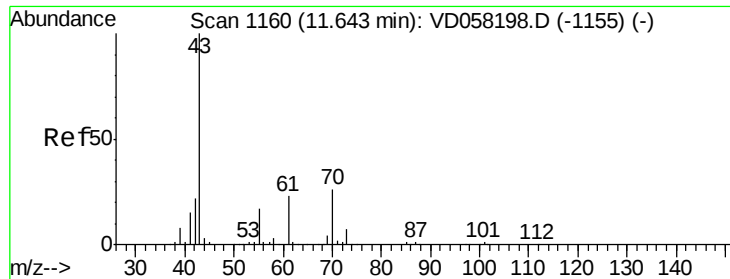
120 23.6 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 41.572 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 331098

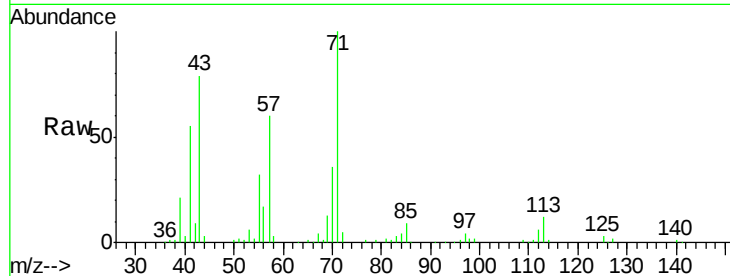
Ion Ratio Lower Upper

43 100

70 45.9 20.9 31.3#

55 40.0 13.5 20.3#

61 0.0 18.2 27.2#

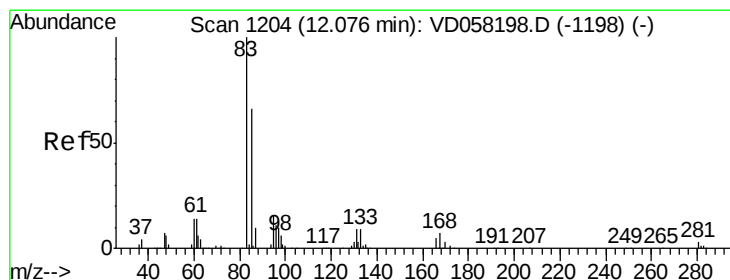
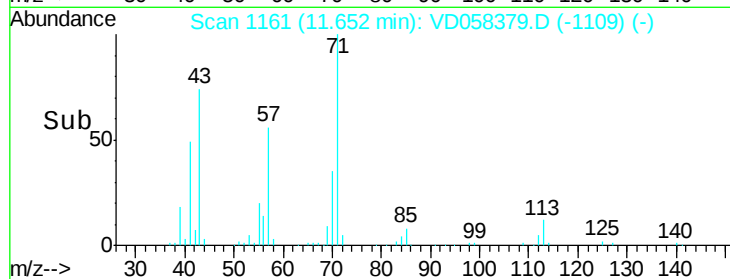
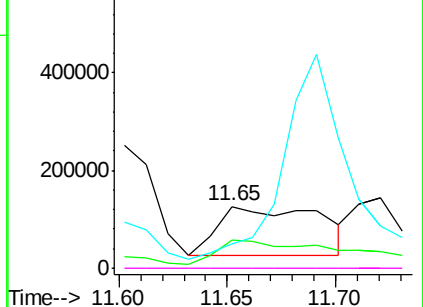


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#75

1,1,2,2-Tetrachloroethane

Concen: 25.826 ug/l

RT: 12.09 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

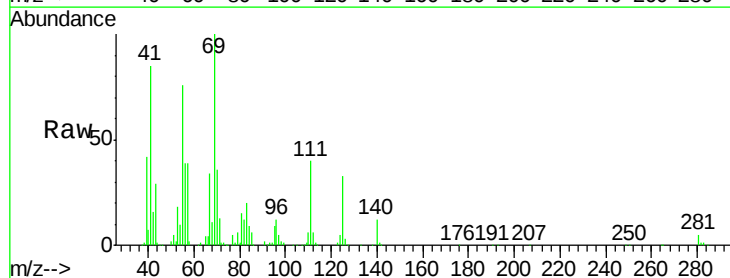
Tgt Ion: 83 Resp: 123797

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

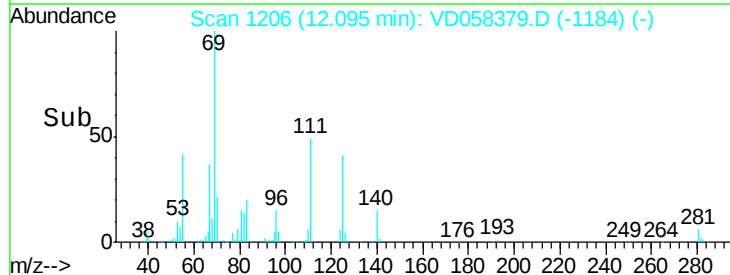
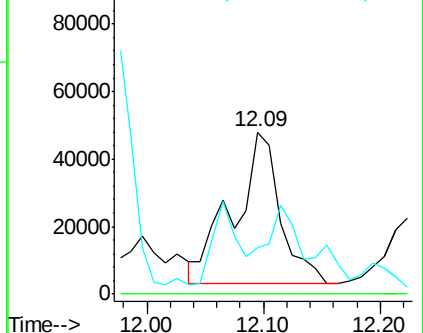
85 28.4 33.1 99.5#

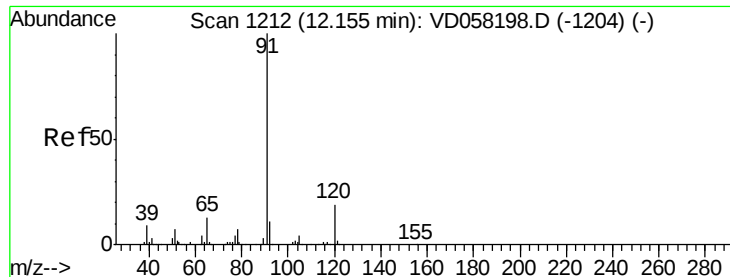


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#78

n-propylbenzene

Concen: 26.769 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

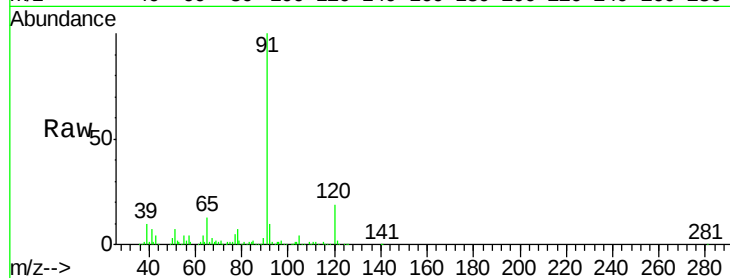
ClientSampled :

Tot Ion: 91 Resp: 712077

Ion Ratio Lower Upper

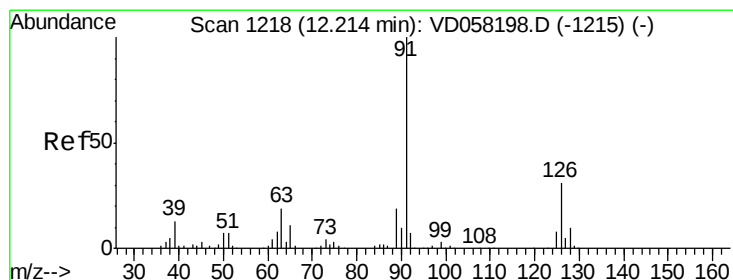
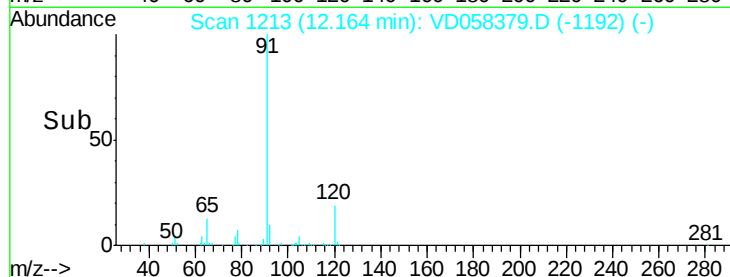
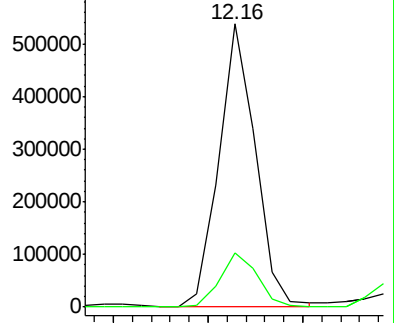
91 100

120 19.2 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 2.422 ug/l

RT: 12.24 min Scan# 1221

Delta R.T. 0.03 min

Lab File: VD058379.D

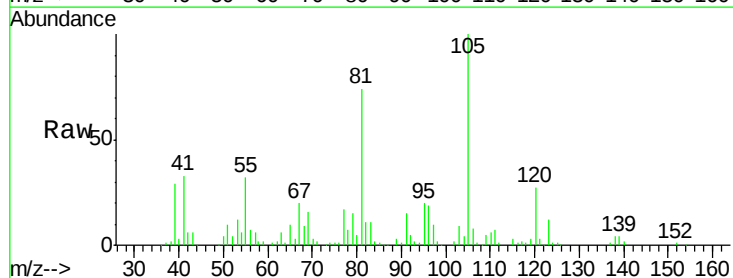
Acq: 24 Jun 2018 18:43

Tgt Ion: 91 Resp: 36861

Ion Ratio Lower Upper

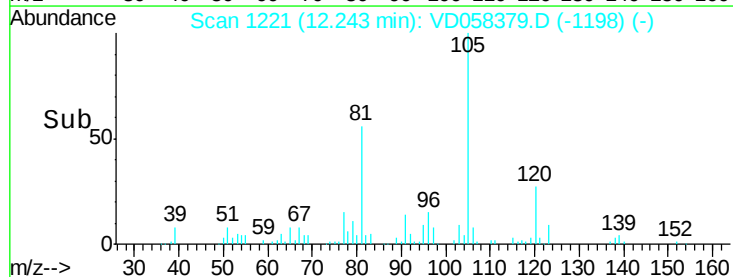
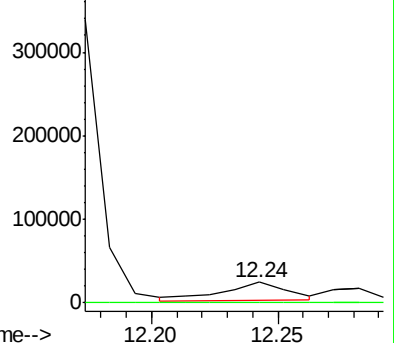
91 100

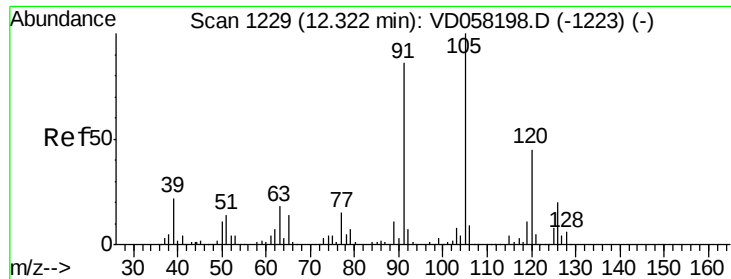
126 1.4 14.9 44.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

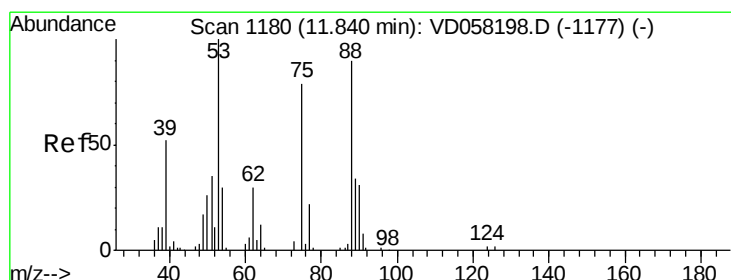
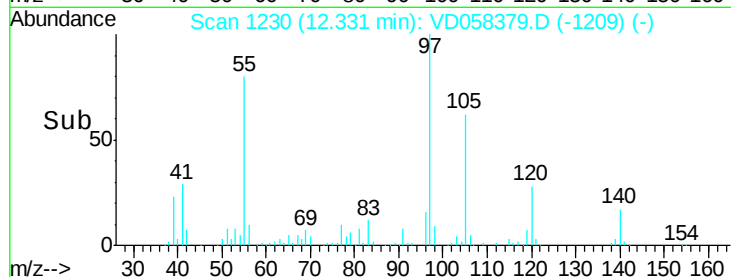
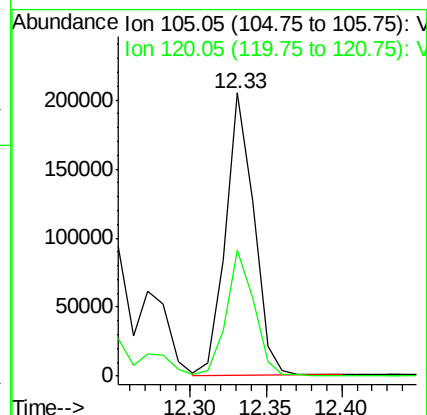
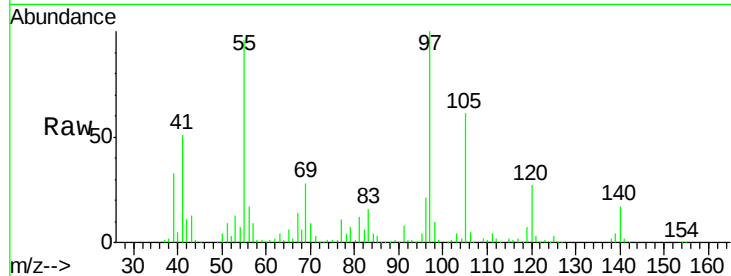




#80
 1,3,5-Trimethylbenzene
 Concen: 16.511 ug/l
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

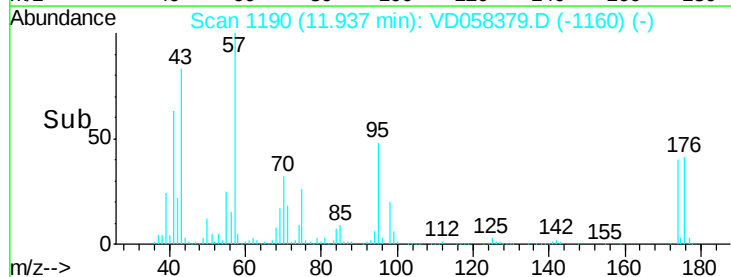
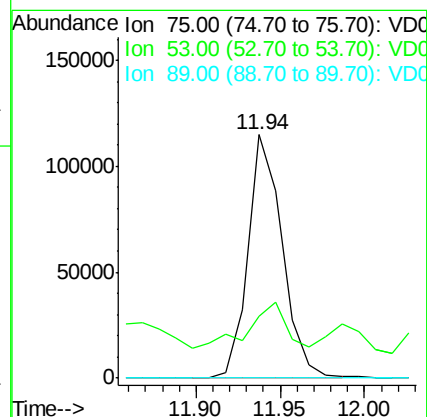
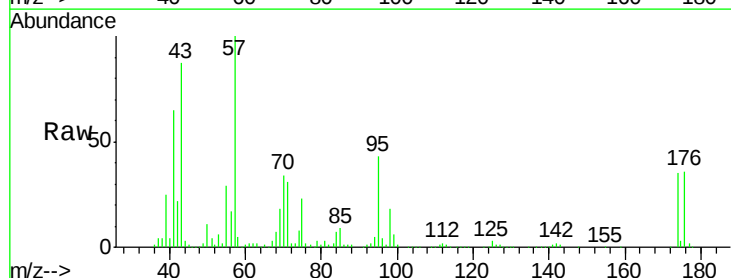
Instrument :
 MSVOA_D
 ClientSampled :

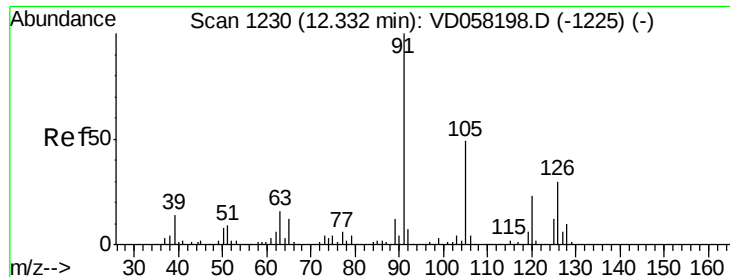
Tot Ion:105 Resp: 265270
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.5 67.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.858 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.10 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion: 75 Resp: 161694
 Ion Ratio Lower Upper
 75 100
 53 25.4 100.8 151.2#
 89 0.0 34.6 52.0#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

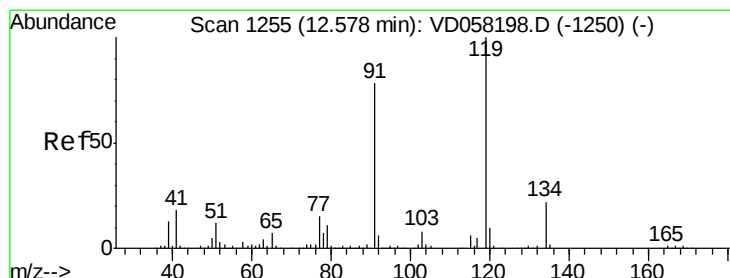
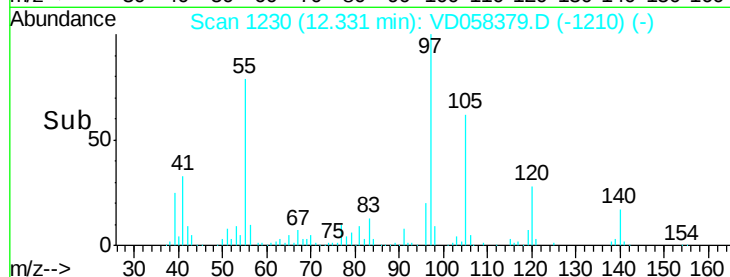
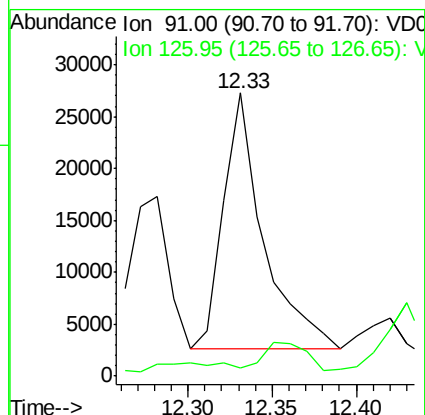
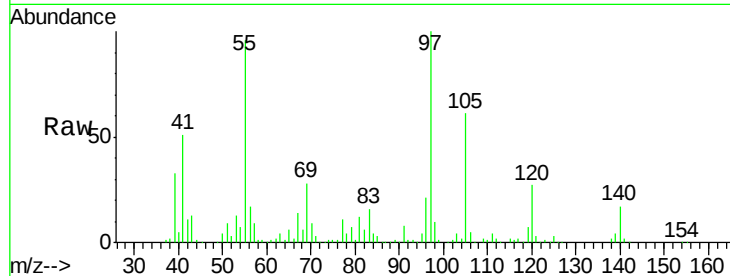
ClientSampled :

Tot Ion: 91 Resp: 40191

Ion Ratio Lower Upper

91 100

126 3.1 14.9 44.9#



#83

tert-Butylbenzene

Concen: 18.547 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

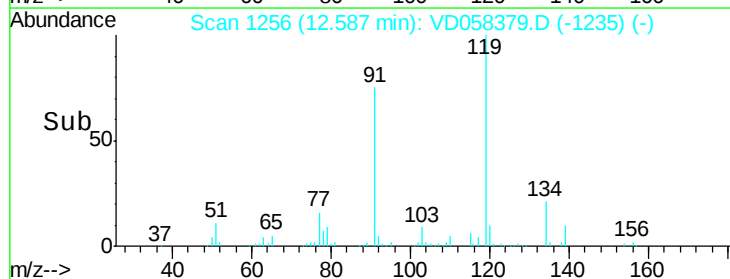
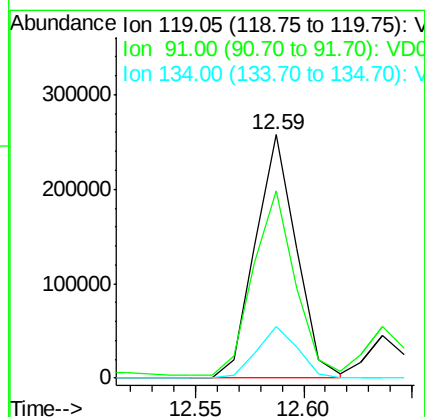
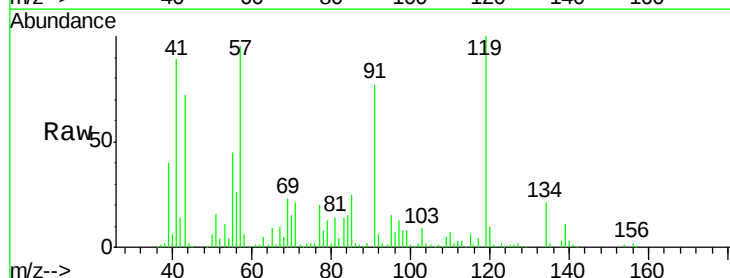
Tgt Ion: 119 Resp: 342585

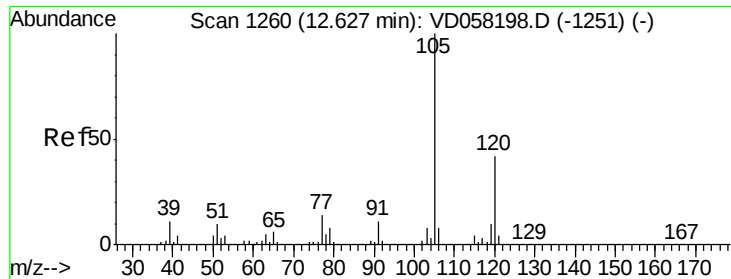
Ion Ratio Lower Upper

119 100

91 76.9 38.9 116.6

134 21.0 11.2 33.5

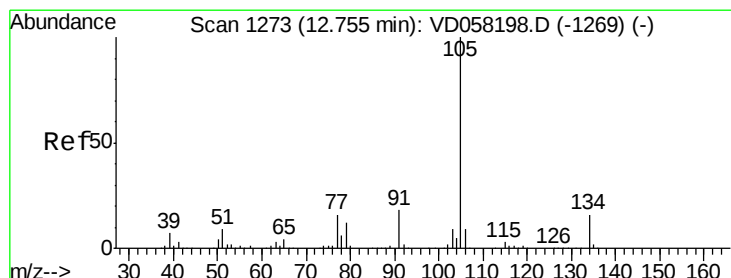
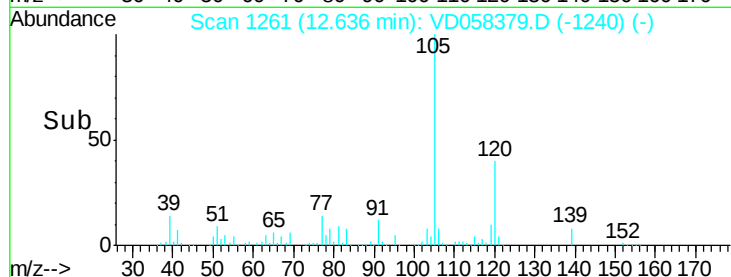
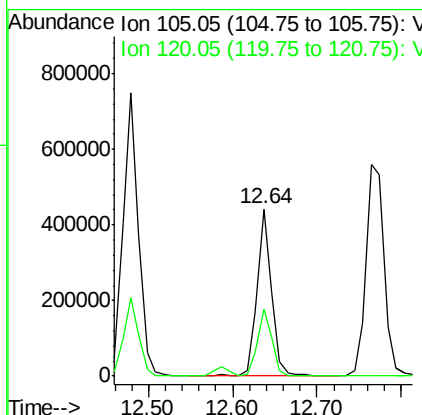
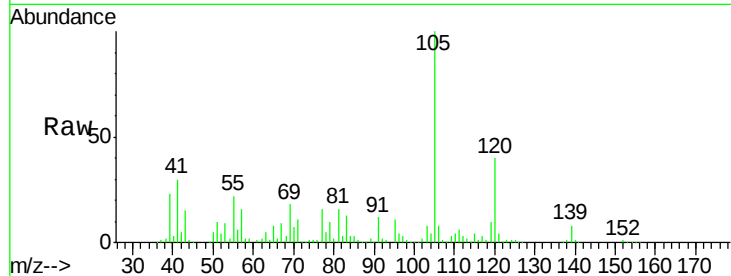




#84
 1,2,4-Trimethylbenzene
 Concen: 30.433 ug/l
 RT: 12.64 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

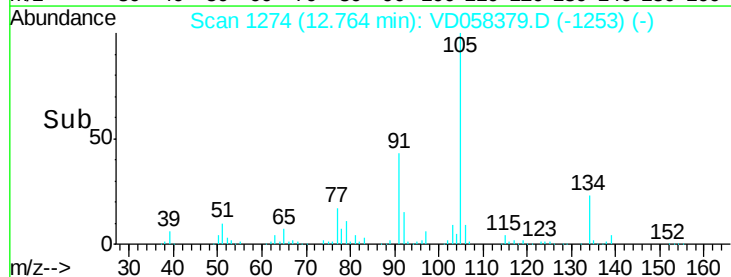
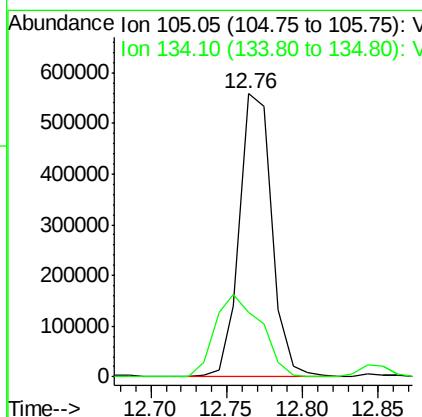
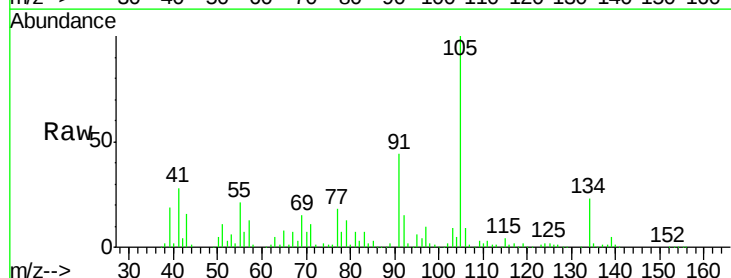
Instrument :
 MSVOA_D
 ClientSampleId :

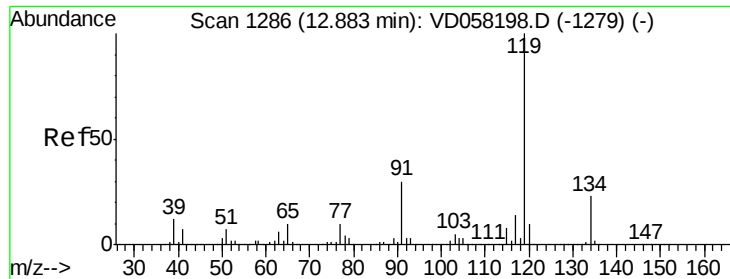
Tot Ion:105 Resp: 531484
 Ion Ratio Lower Upper
 105 100
 120 40.0 20.8 62.4



#85
 sec-Butylbenzene
 Concen: 38.308 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion:105 Resp: 829407
 Ion Ratio Lower Upper
 105 100
 134 22.9 8.1 24.3

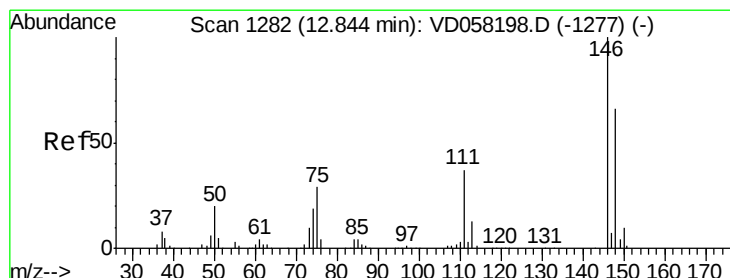
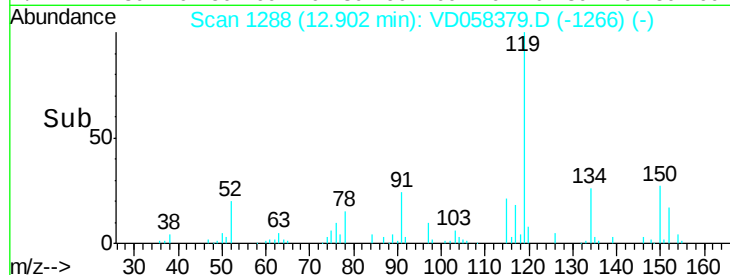
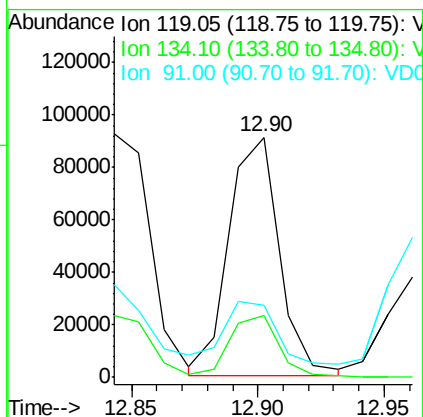
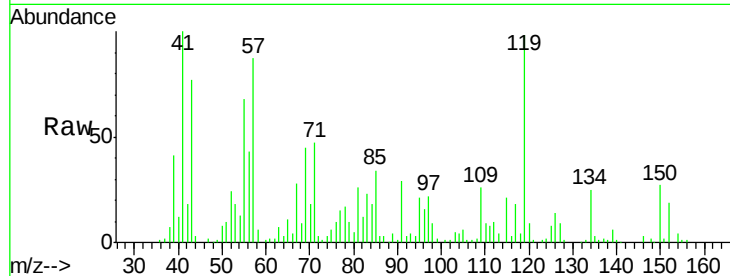




#86
p-Isopropyltoluene
Concen: 7.225 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. 0.02 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

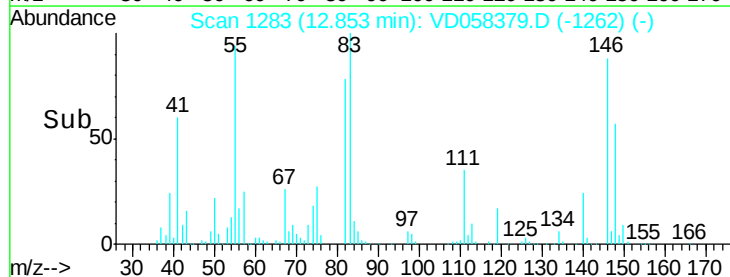
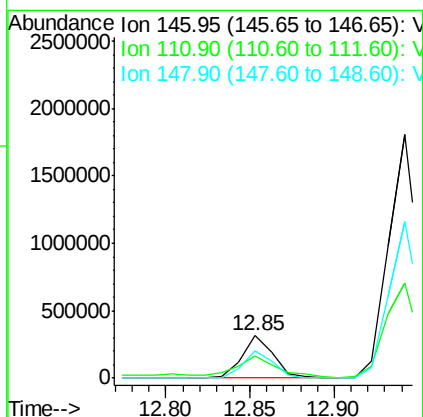
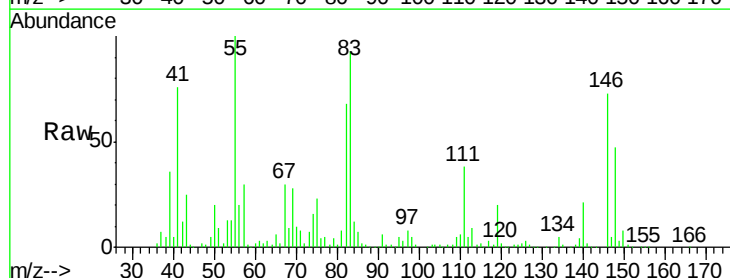
Instrument :
MSVOA_D
ClientSampled :

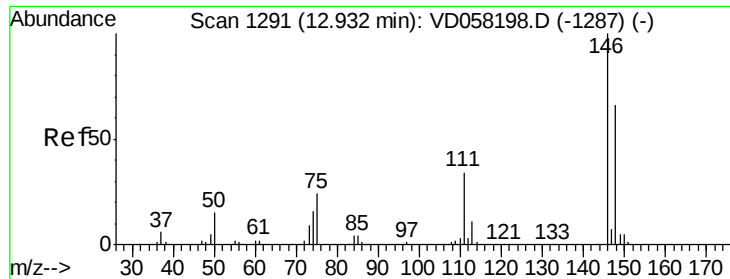
Tot Ion:119 Resp: 126766
Ion Ratio Lower Upper
119 100
134 25.9 11.6 34.8
91 30.1 15.0 45.1



#87
1,3-Dichlorobenzene
Concen: 37.600 ug/l
RT: 12.85 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD058379.D
Acq: 24 Jun 2018 18:43

Tgt Ion:146 Resp: 403099
Ion Ratio Lower Upper
146 100
111 52.3 18.4 55.0
148 64.9 32.8 98.4

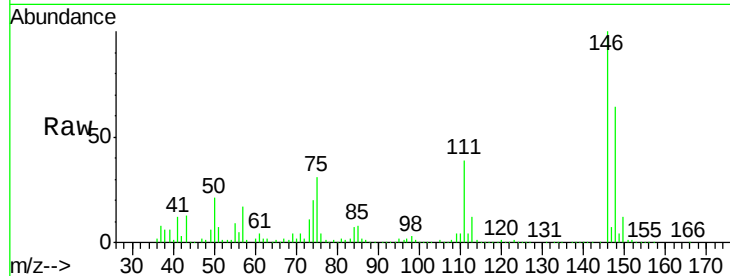




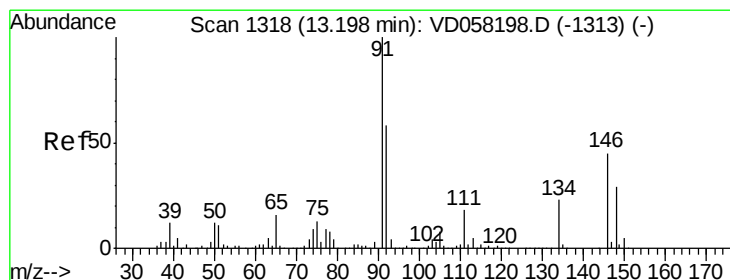
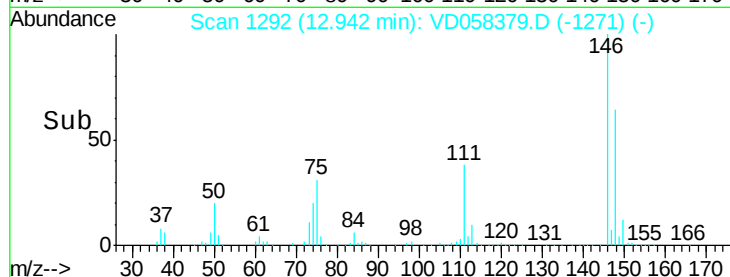
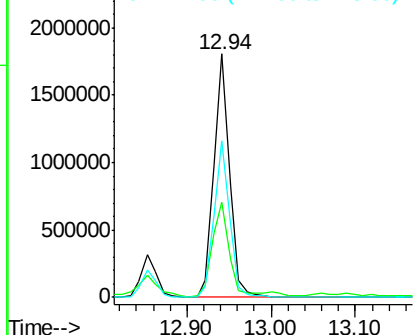
#88
 1,4-Dichlorobenzene
 Concen: 223.094 ug/l
 RT: 12.94 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 2335599
 Ion Ratio Lower Upper
 146 100
 111 39.1 17.2 51.5
 148 64.2 33.1 99.3

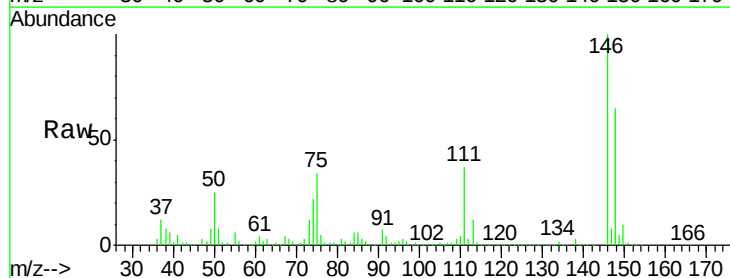


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

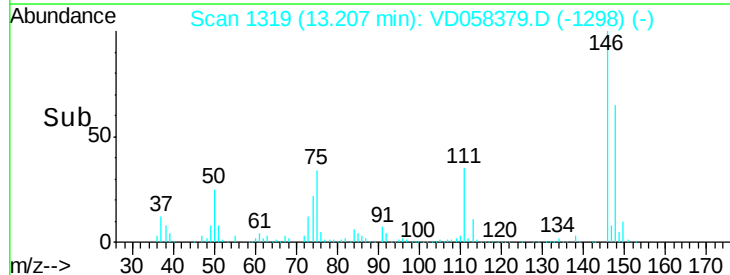
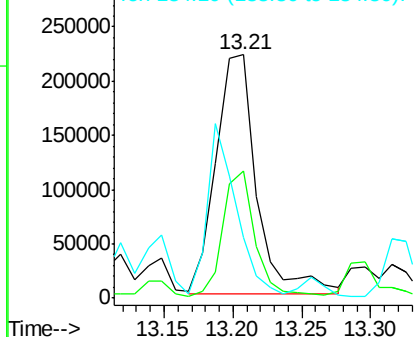


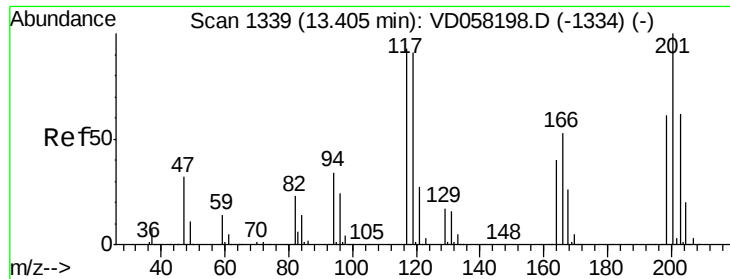
#89
 n-Butylbenzene
 Concen: 24.838 ug/l
 RT: 13.21 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion: 91 Resp: 458006
 Ion Ratio Lower Upper
 91 100
 92 52.0 29.2 87.6
 134 24.8 11.3 33.8



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





#90

Hexachloroethane

Concen: 1.688 ug/l

RT: 13.41 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

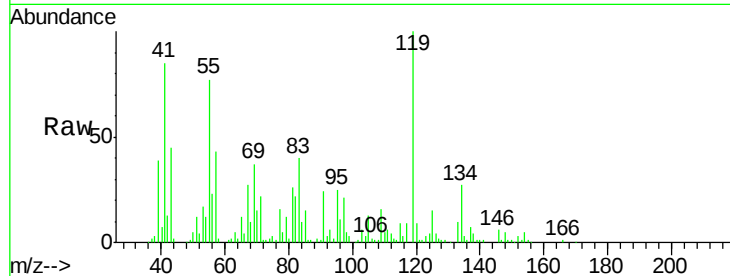
ClientSampleId :

Tot Ion:117 Resp: 7686

Ion Ratio Lower Upper

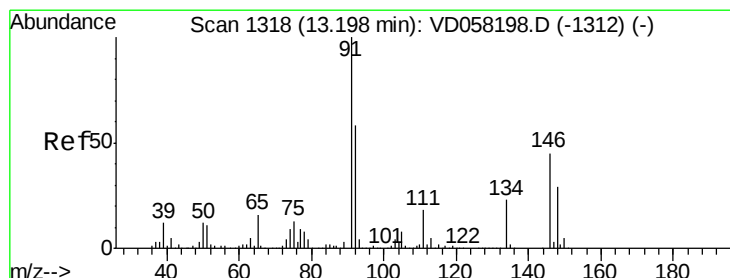
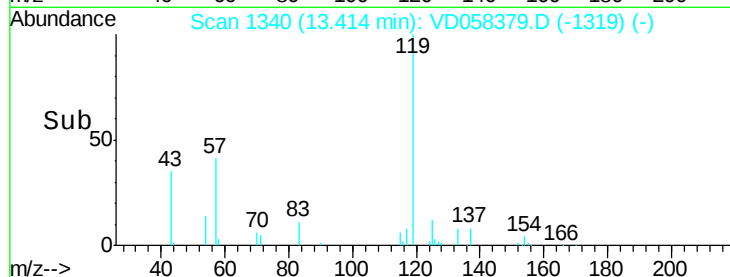
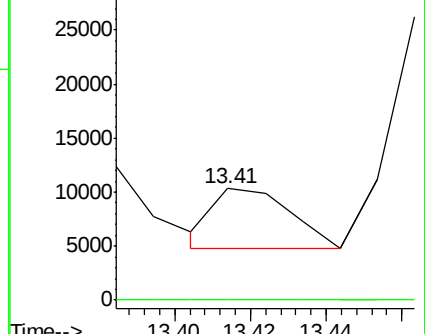
117 100

201 0.0 53.8 161.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 672.143 ug/l

RT: 13.22 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

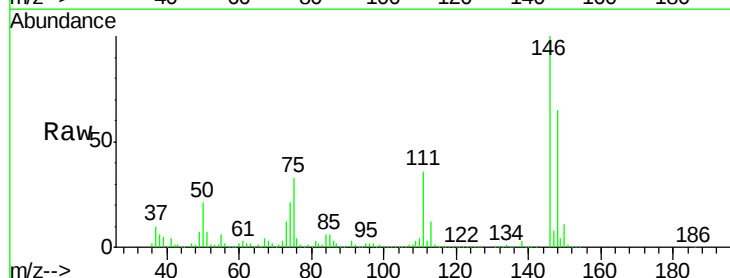
Tgt Ion:146 Resp: 6132220

Ion Ratio Lower Upper

146 100

111 36.4 19.6 58.7

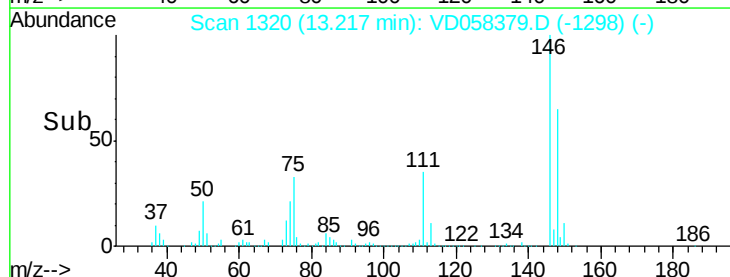
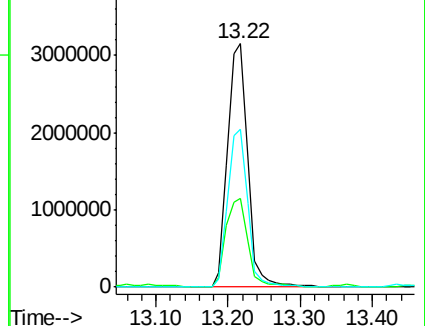
148 64.9 32.0 96.2

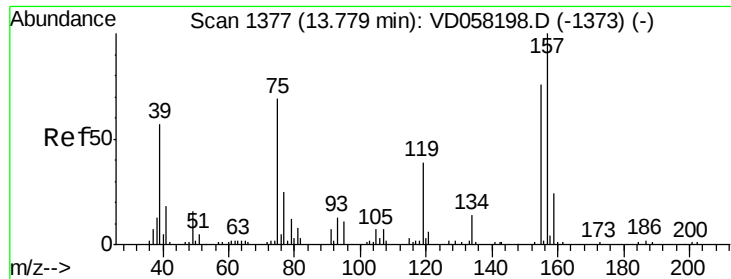


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

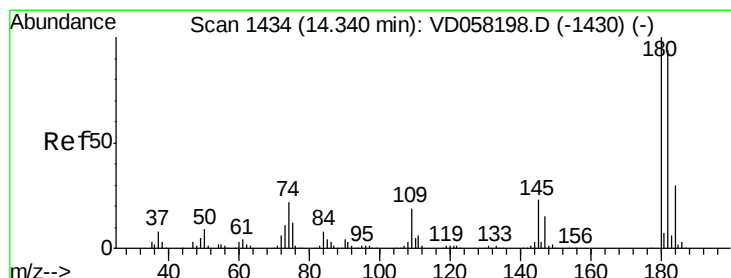
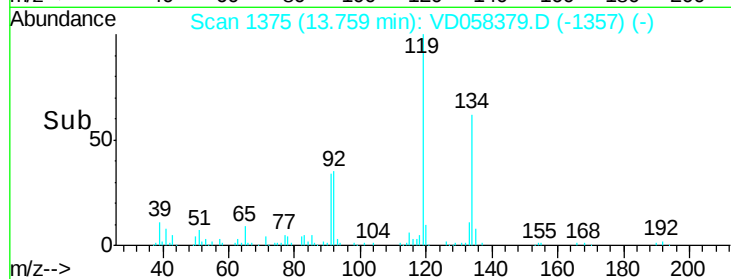
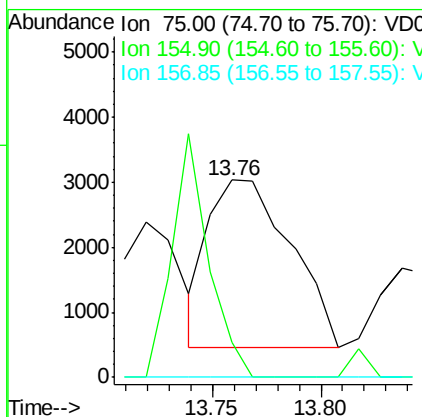
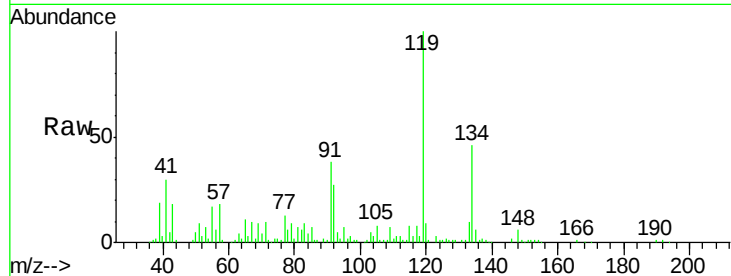




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.912 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

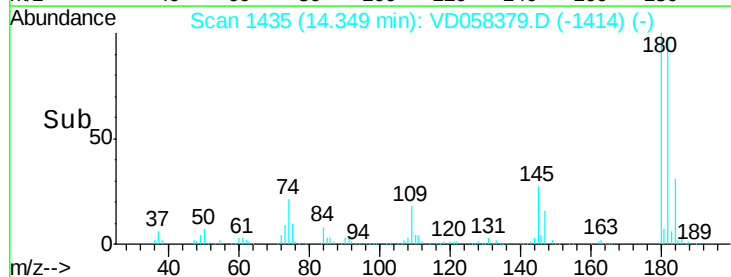
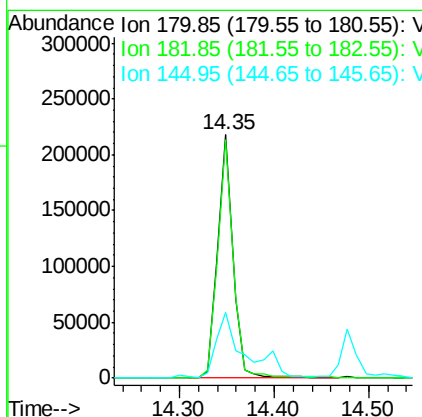
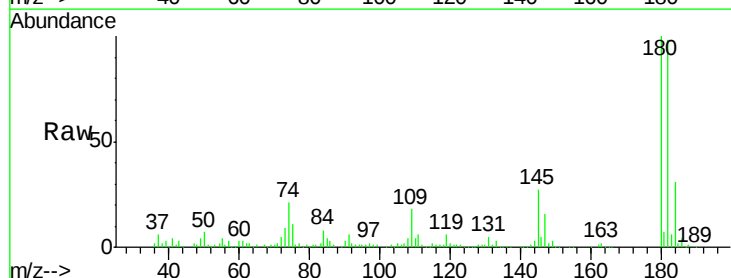
Instrument :
 MSVOA_D
 ClientSampled :

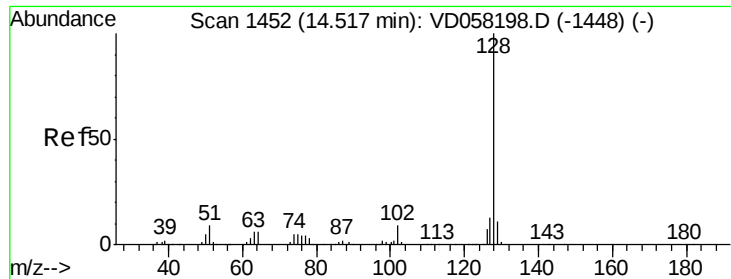
Tot Ion: 75 Resp: 6799
 Ion Ratio Lower Upper
 75 100
 155 17.5 54.5 163.5#
 157 0.0 72.0 215.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 28.429 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058379.D
 Acq: 24 Jun 2018 18:43

Tgt Ion:180 Resp: 248065
 Ion Ratio Lower Upper
 180 100
 182 98.0 47.1 141.3
 145 27.0 11.7 35.0





#95

Naphthalene

Concen: 17.254 ug/l

RT: 14.53 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

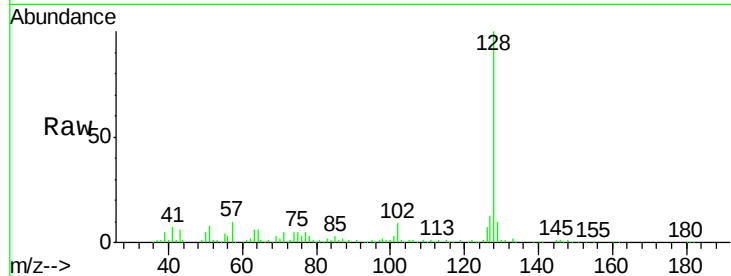
Tot Ion:128 Resp: 198315

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

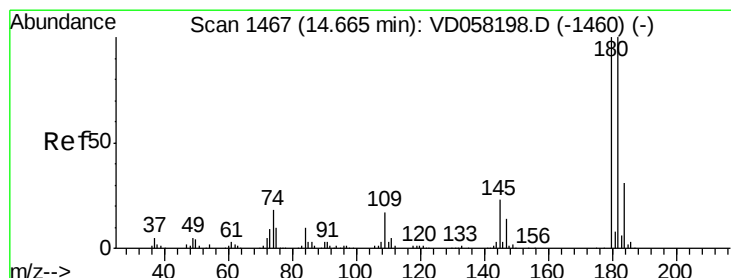
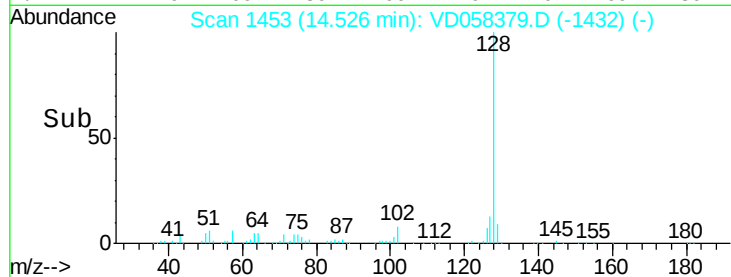
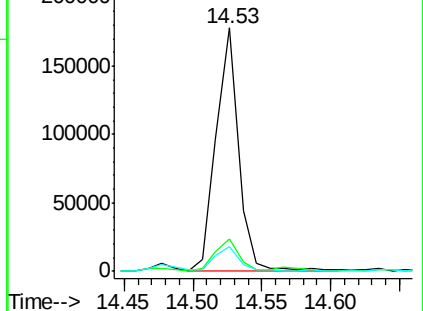
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.110 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058379.D

Acq: 24 Jun 2018 18:43

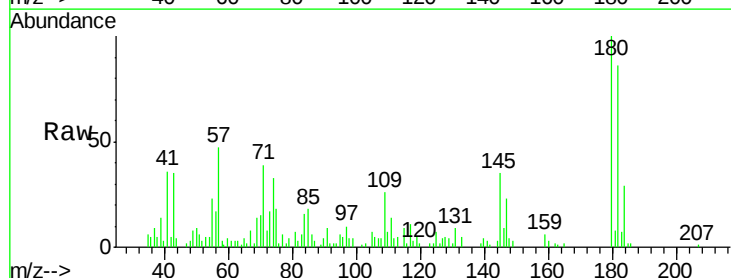
Tgt Ion:180 Resp: 39038

Ion Ratio Lower Upper

180 100

182 86.3 49.9 149.6

145 35.3 11.7 35.1#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

