

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061412.D
 Acq On : 29 Mar 2019 3:24
 Operator : VA/AP
 Sample : VD0328SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SB02

Quant Time: Mar 29 05:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	594230	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1153449	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	921269	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	366776	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	301002	59.30	ug/l	0.02
Spiked Amount			Recovery	=	118.60%	
35) Dibromofluoromethane	6.93	113	460977	52.30	ug/l	0.03
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	10.41	98	1093499	51.72	ug/l	0.02
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	13.55	95	392574	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

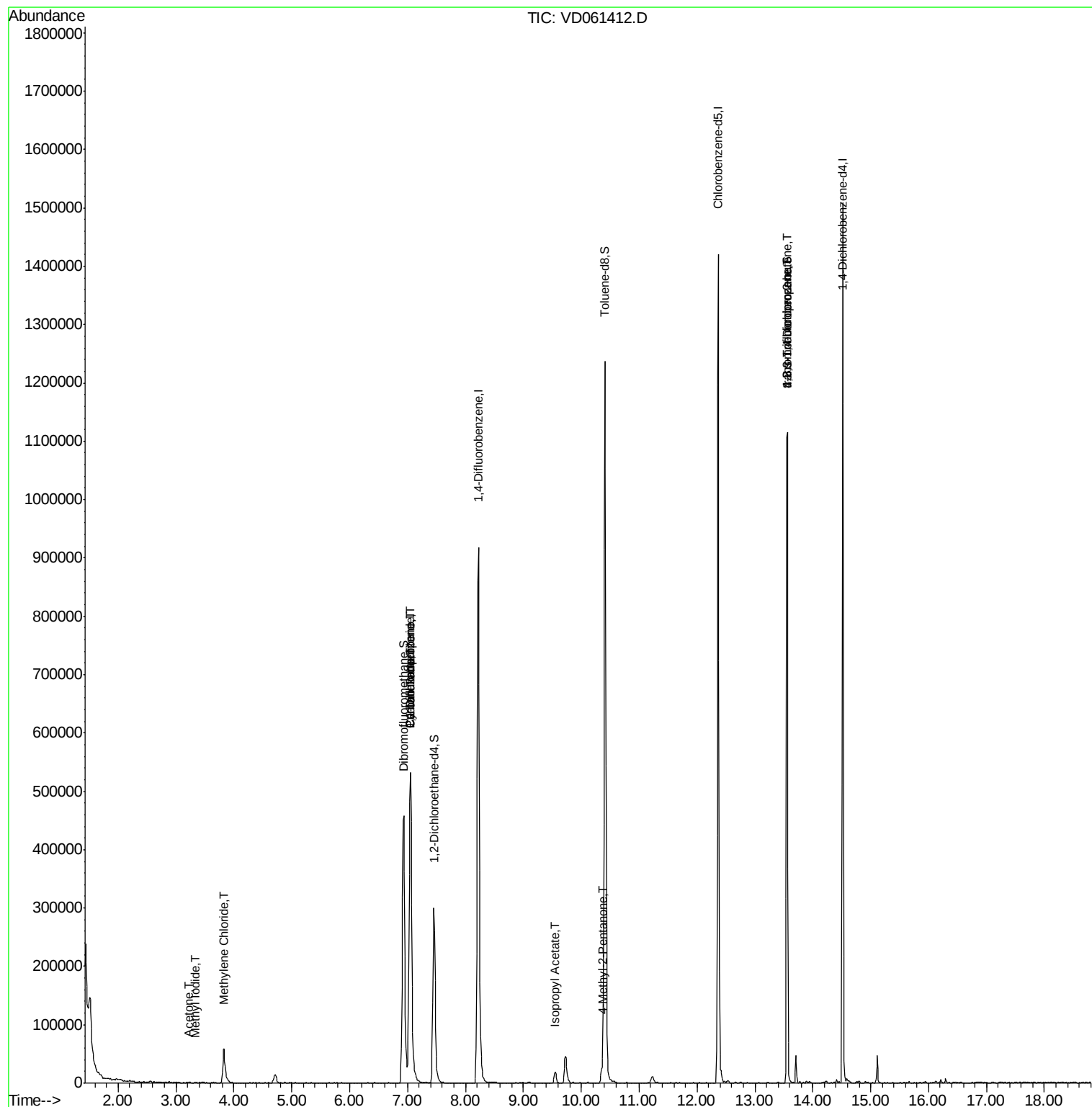
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	756	3.528	ug/l #	38
16) Acetone	3.23	43	2328	1.784	ug/l #	75
20) Methylene Chloride	3.83	84	45370	4.458	ug/l	94
31) Cyclohexane	7.05	56	10579	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	42471	4.219	ug/l #	46
38) Carbon Tetrachloride	7.05	117	57212	4.946	ug/l #	14
43) Isopropyl Acetate	9.55	43	16765	2.676	ug/l #	42
51) 4-Methyl-2-Pentanone	10.36	43	4025	1.056	ug/l #	76
76) 1,2,3-Trichloropropane	13.55	75	122286	23.081	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	143180	88.634	ug/l #	18

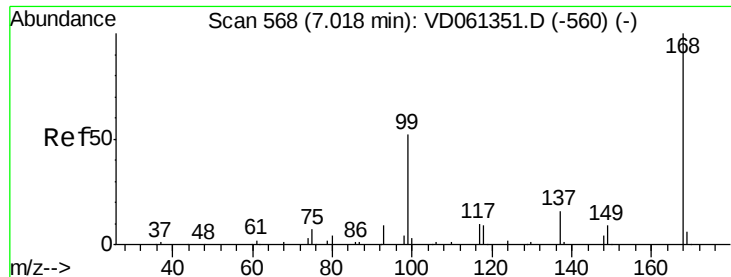
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032819\
Data File : VD061412.D
Acq On : 29 Mar 2019 3:24
Operator : VA/AP
Sample : VD0328SBL02
Misc : 5.00µl/5ml/MSVOA D/SOIL
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ClientSampleId :
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Quant Time: Mar 29 05:29:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

Instrument :

MSVOA_D

ClientSampleId :

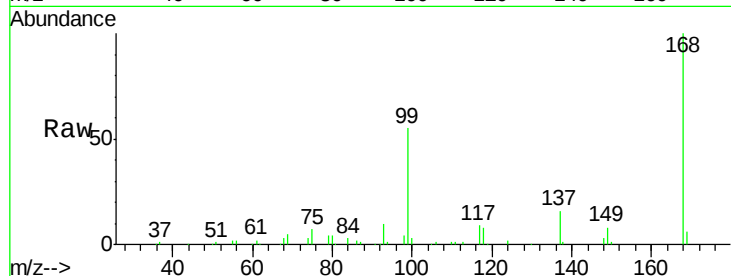
VD0329SB02

Tot Ion:168 Resp: 594230

Ion Ratio Lower Upper

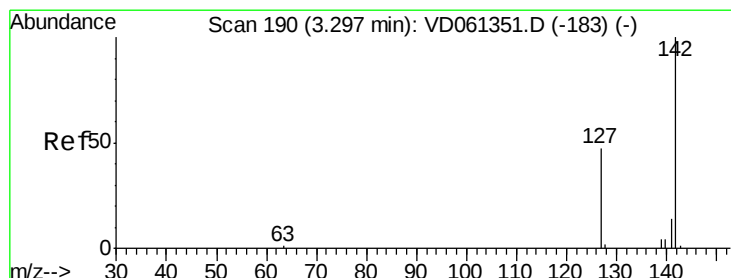
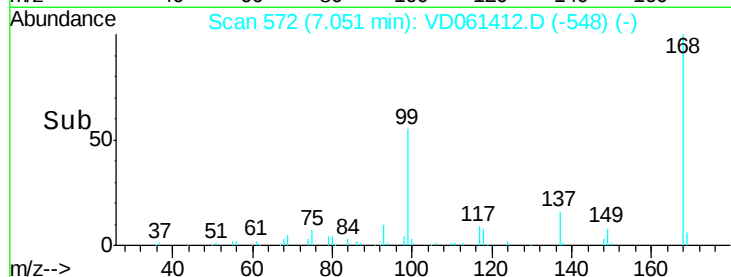
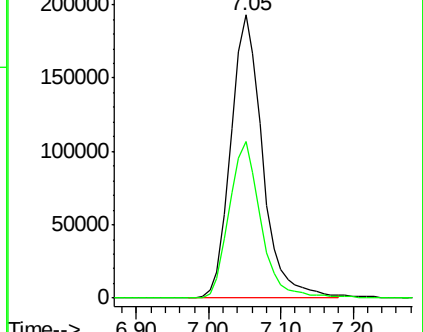
168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#10

Methyl Iodide

Concen: 3.528 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

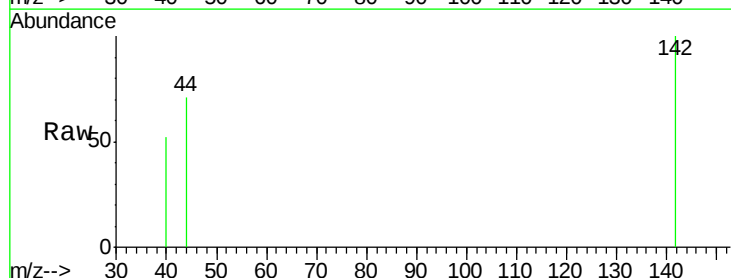
Tgt Ion:142 Resp: 756

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

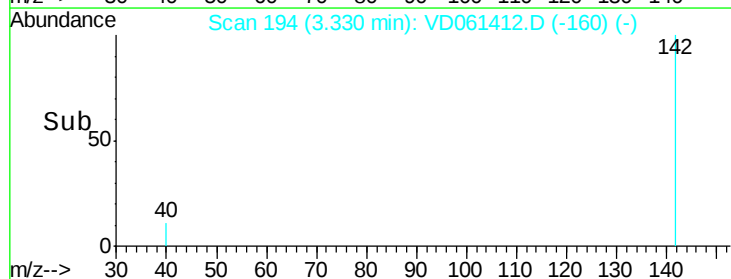
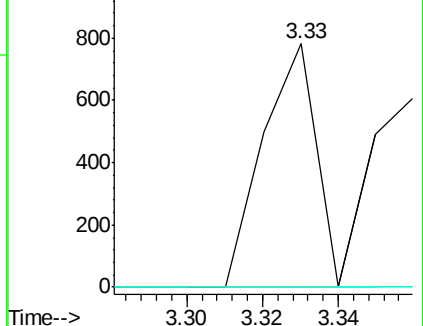
141 0.0 11.5 17.3#

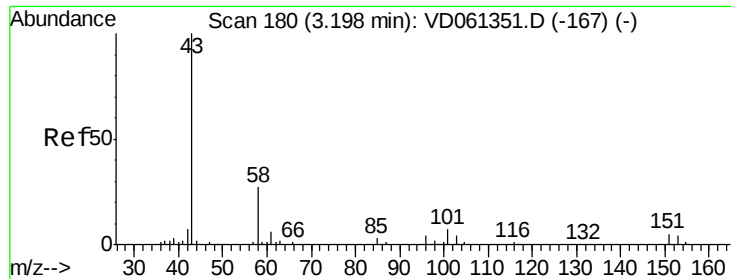


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 1.784 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

Instrument :

MSVOA_D

ClientSampleId :

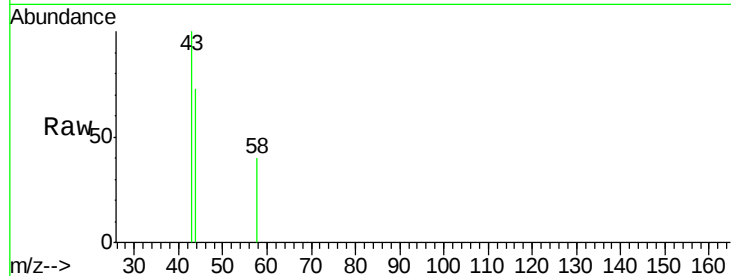
VD0329SB02

Tot Ion: 43 Resp: 2328

Ion Ratio Lower Upper

43 100

58 39.6 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

1000

800

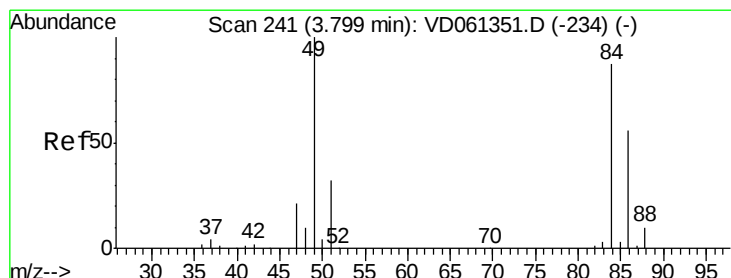
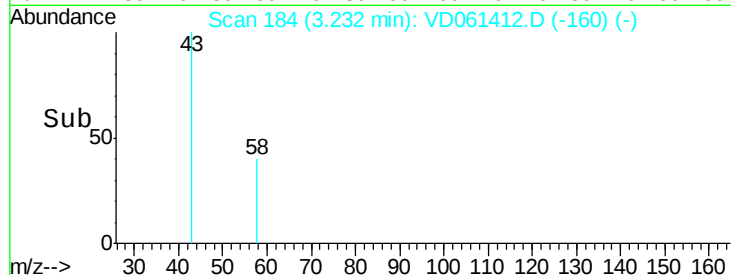
600

400

200

0

Time--> 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 4.458 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

Tgt Ion: 84 Resp: 45370

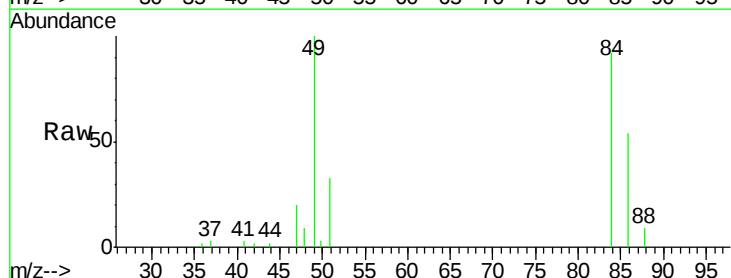
Ion Ratio Lower Upper

84 100

49 108.4 91.8 137.8

51 36.0 29.8 44.8

86 58.3 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

25000

20000

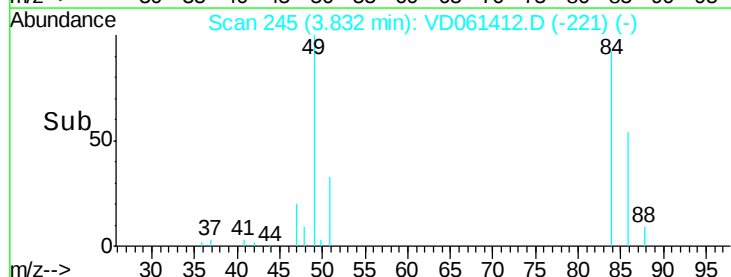
15000

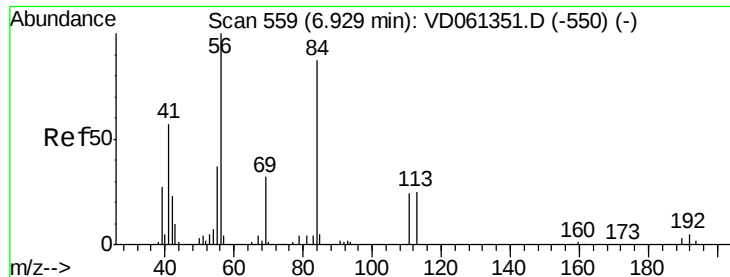
10000

5000

0

Time--> 3.70 3.80 3.90 4.00

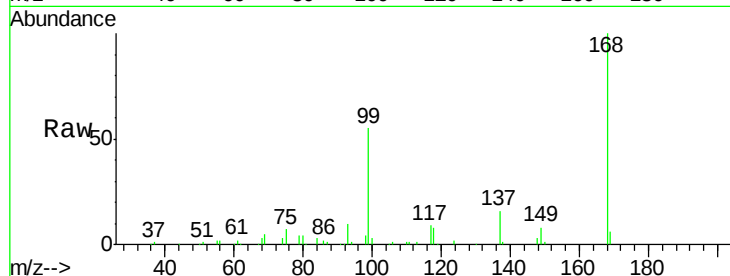




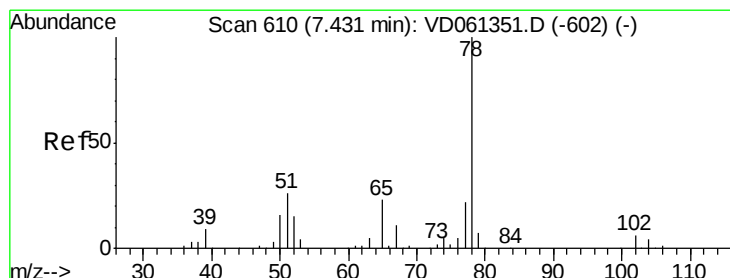
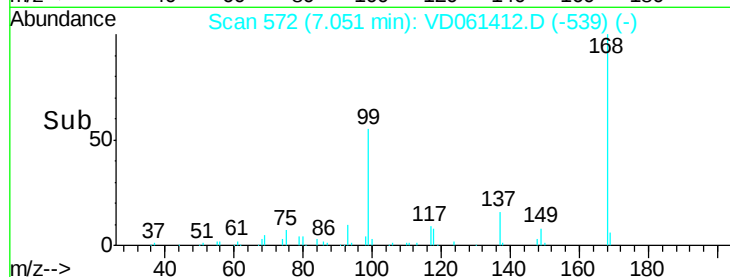
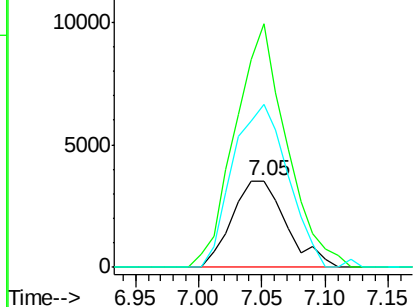
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD061412.D
Acq: 29 Mar 2019 3:24

Instrument :
MSVOA_D
ClientSampleId :
VD0329SB02

Tot Ion: 56 Resp: 10579
Ion Ratio Lower Upper
56 100
69 280.6 25.7 38.5#
84 188.0 70.6 105.8#

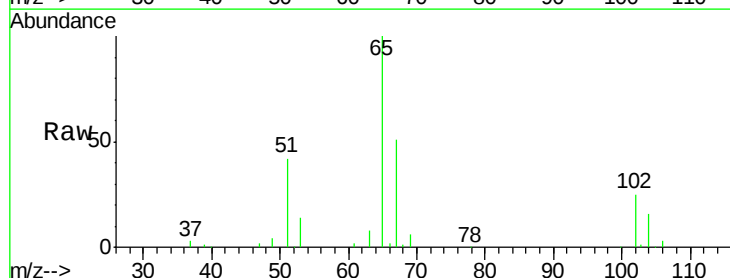


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

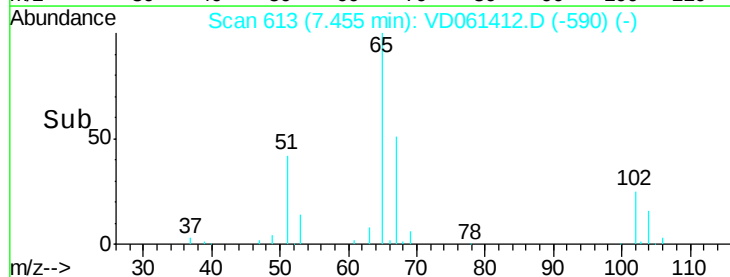
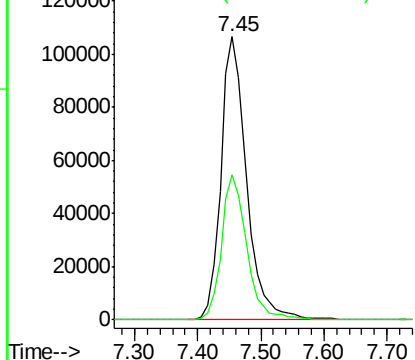


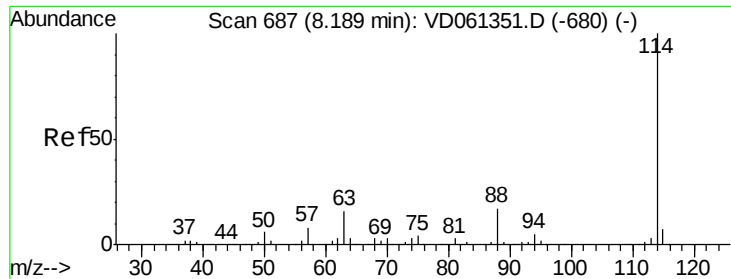
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD061412.D
Acq: 29 Mar 2019 3:24

Tgt Ion: 65 Resp: 301002
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

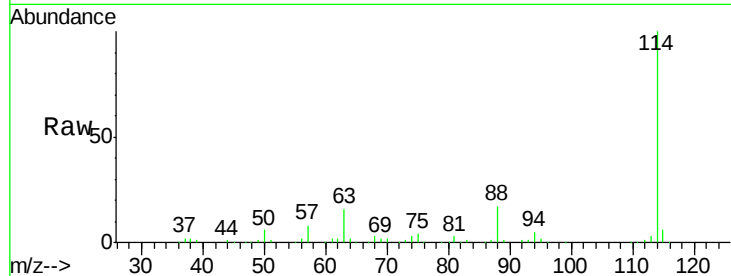




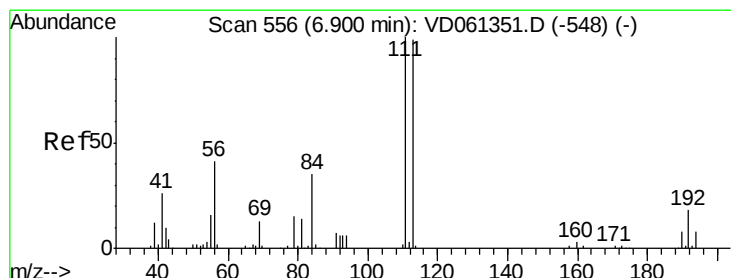
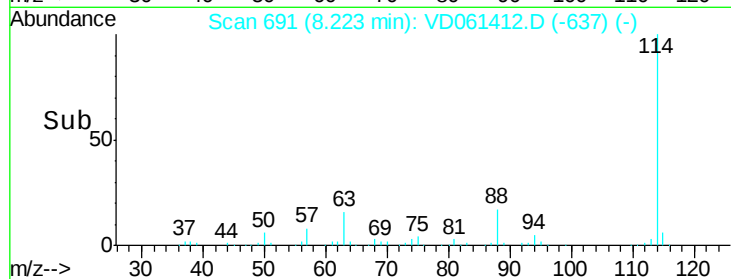
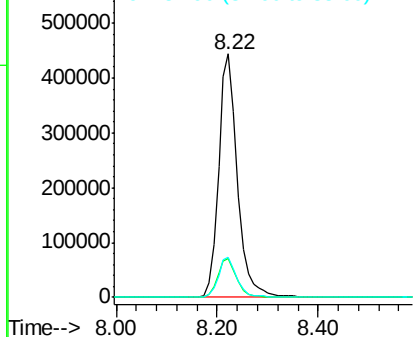
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061412.D
 Acq: 29 Mar 2019 3:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SB02

Tot Ion:114 Resp: 1153449
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 16.6 0.0 33.4

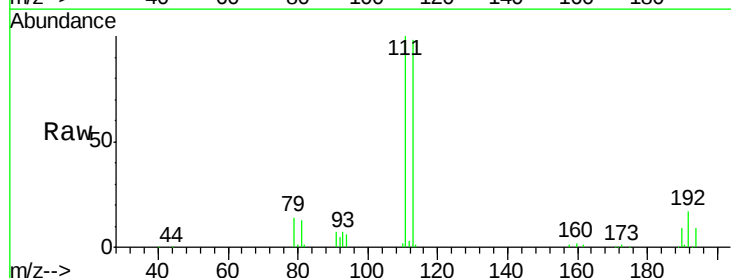


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

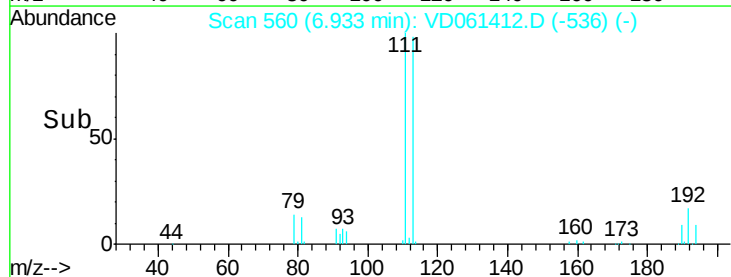
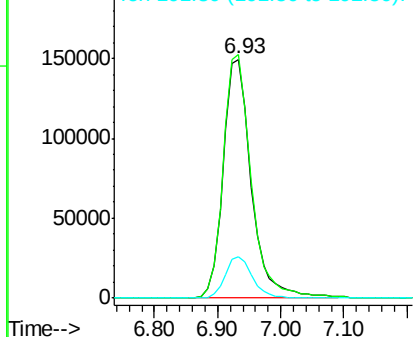


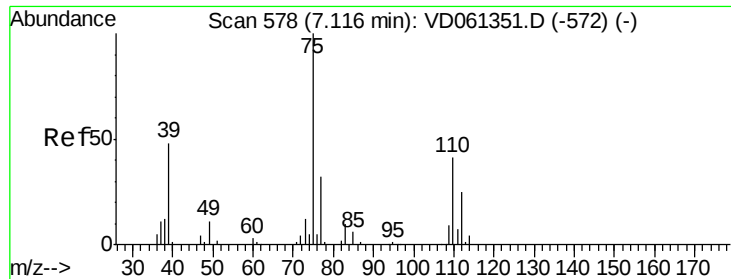
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061412.D
 Acq: 29 Mar 2019 3:24

Tgt Ion:113 Resp: 460977
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.0 121.6
 192 17.5 14.4 21.6



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

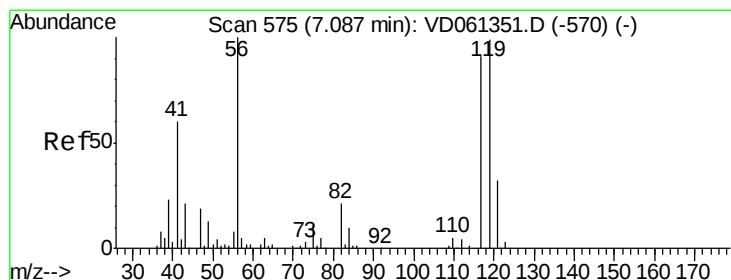
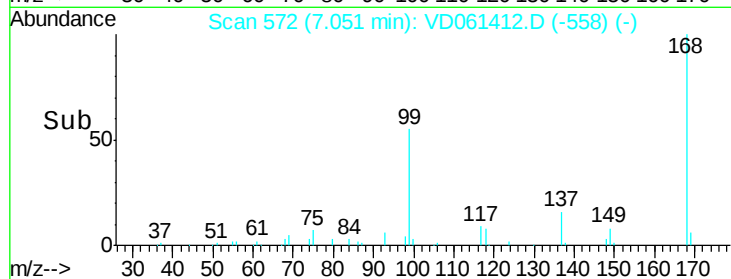
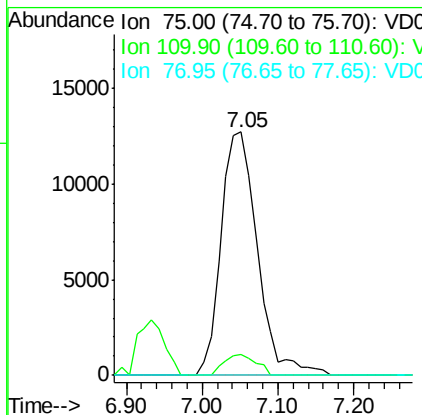
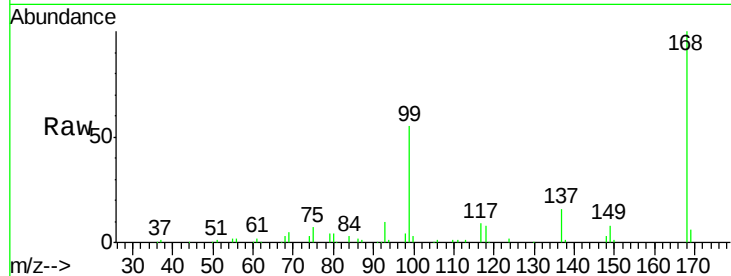




#36
 1,1-Dichloropropene
 Concen: 4.219 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD061412.D
 Acq: 29 Mar 2019 3:24

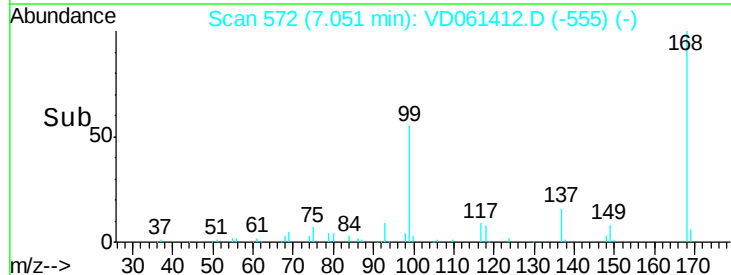
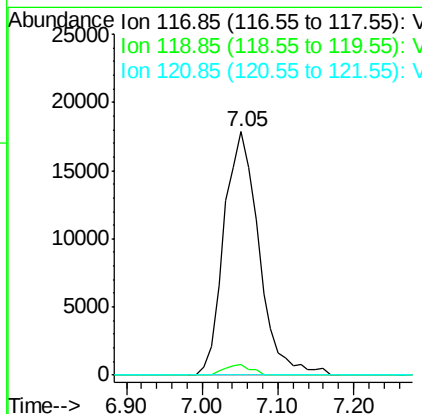
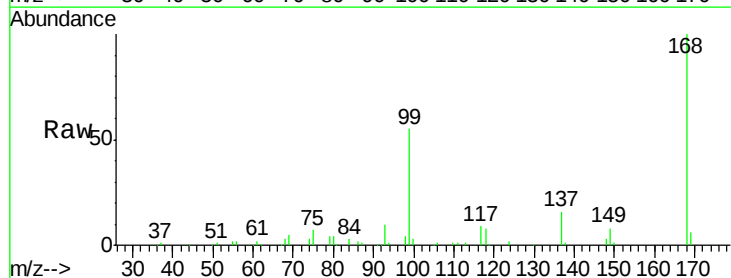
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SB02

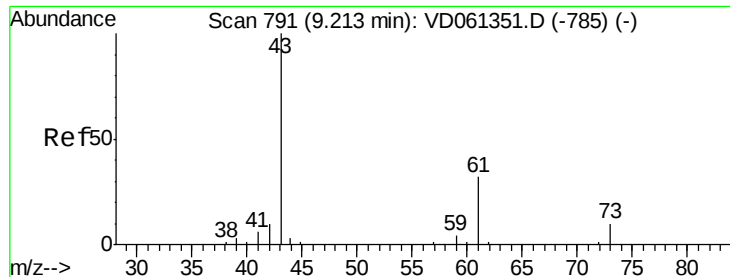
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.946 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD061412.D
 Acq: 29 Mar 2019 3:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	80.1	120.1#
121	0.0	25.6	38.4#





#43

Isopropyl Acetate

Concen: 2.676 ug/l

RT: 9.55 min Scan# 826

Delta R.T. 0.34 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

Instrument :

MSVOA_D

ClientSampleId :

VD0329SB02

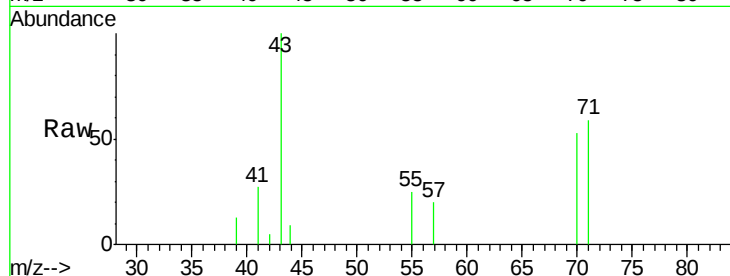
Tot Ion: 43 Resp: 16765

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

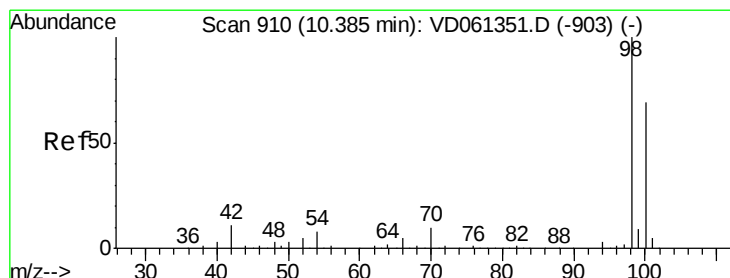
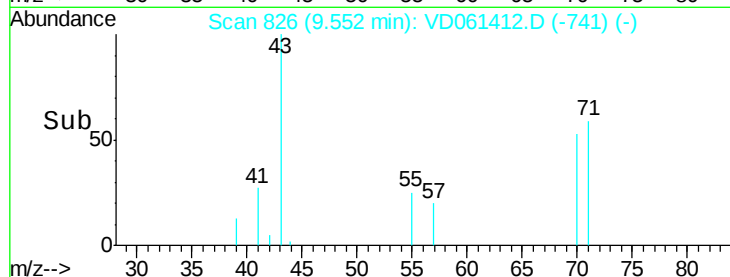
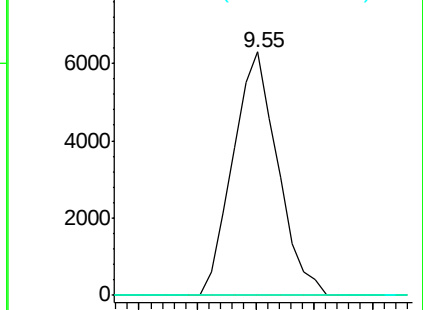
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061412.D

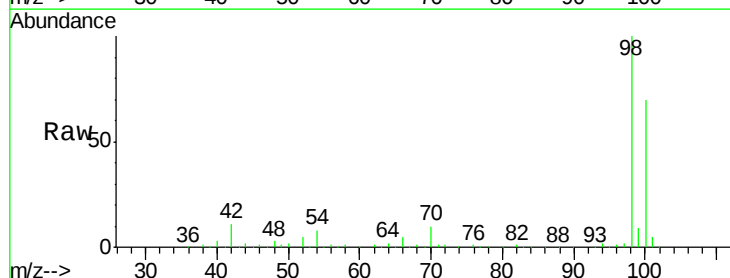
Acq: 29 Mar 2019 3:24

Tgt Ion: 98 Resp: 1093499

Ion Ratio Lower Upper

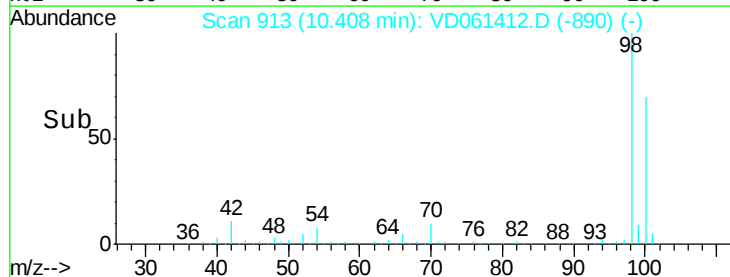
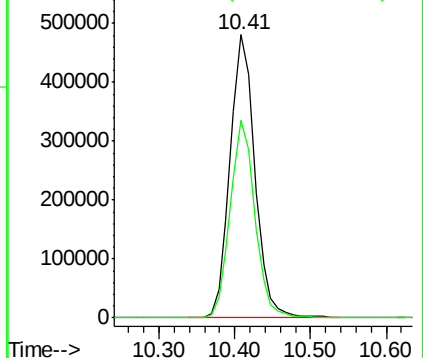
98 100

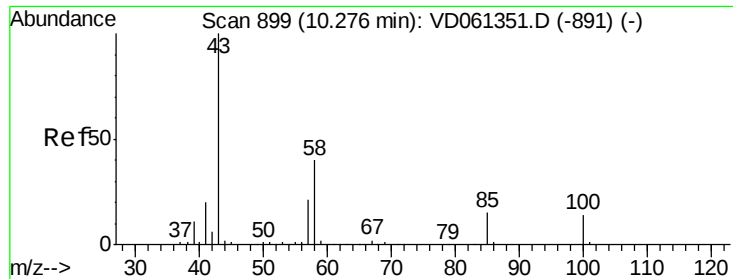
100 69.7 56.2 84.2



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: 1.056 ug/l

RT: 10.36 min Scan# 908

Delta R.T. 0.08 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

Instrument :

MSVOA_D

ClientSampleId :

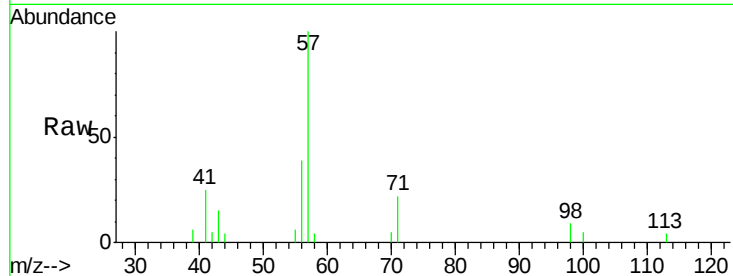
VD0329SB02

Tot Ion: 43 Resp: 4025

Ion Ratio Lower Upper

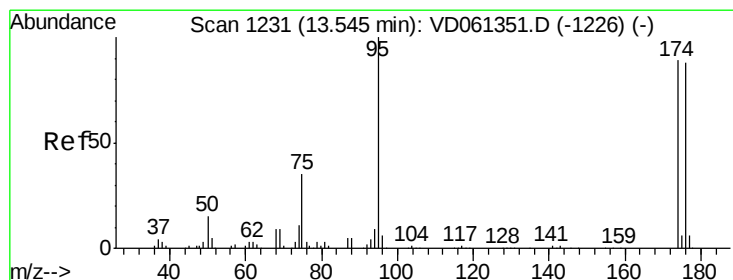
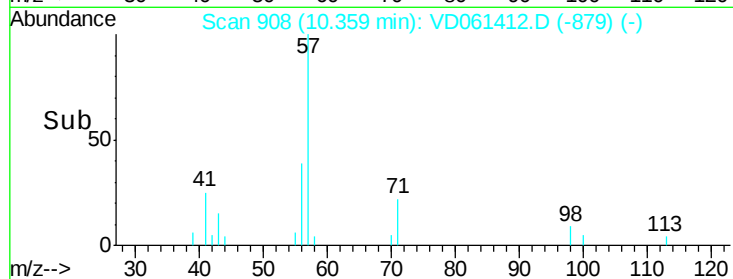
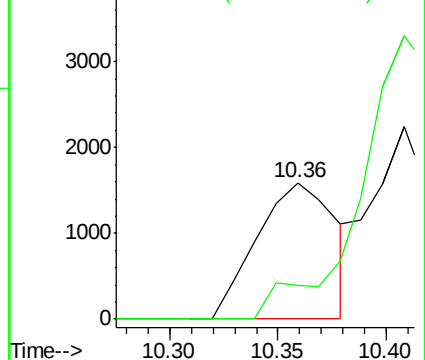
43 100

58 25.1 31.8 47.8#



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

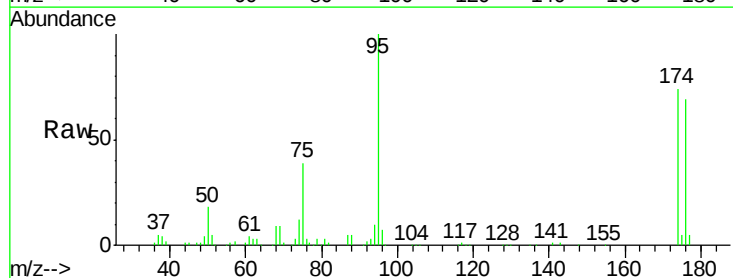
Tgt Ion: 95 Resp: 392574

Ion Ratio Lower Upper

95 100

174 73.6 0.0 178.0

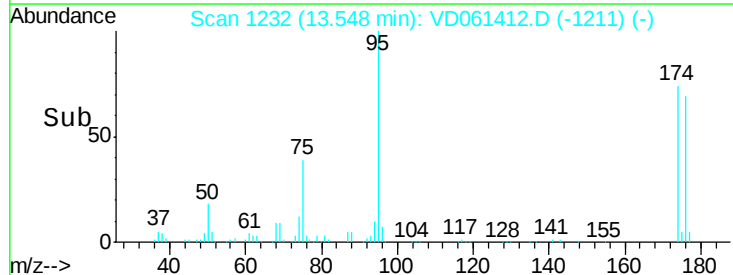
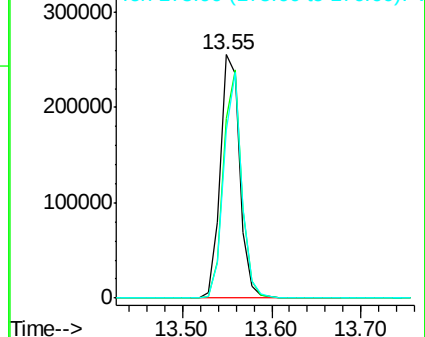
176 69.3 0.0 175.0

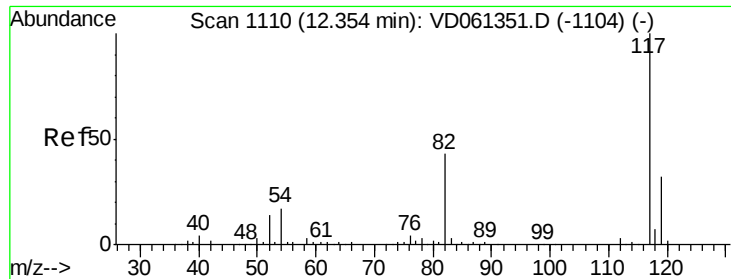


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

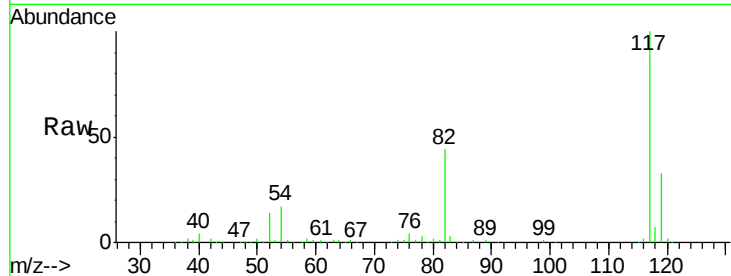




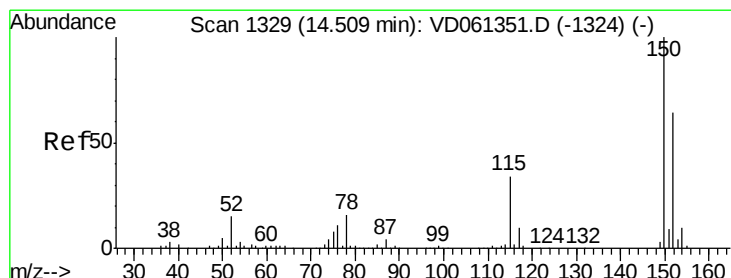
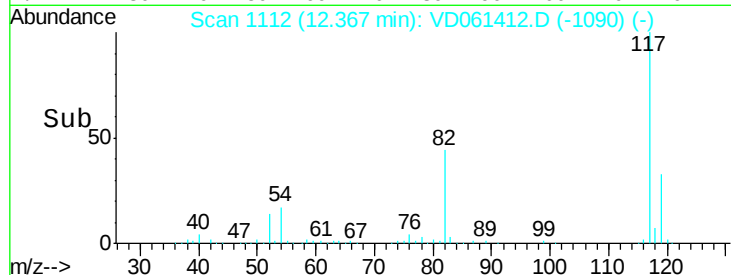
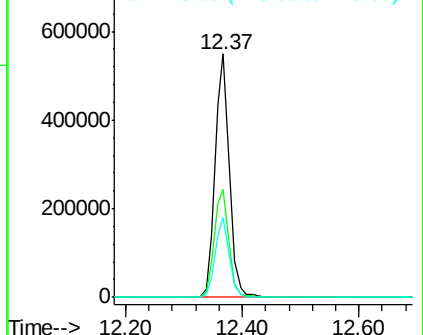
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061412.D
Acq: 29 Mar 2019 3:24

Instrument :
MSVOA_D
ClientSampleId :
VD0329SB02

Tot Ion:117 Resp: 921269
Ion Ratio Lower Upper
117 100
82 44.3 34.4 51.6
119 32.8 25.8 38.6

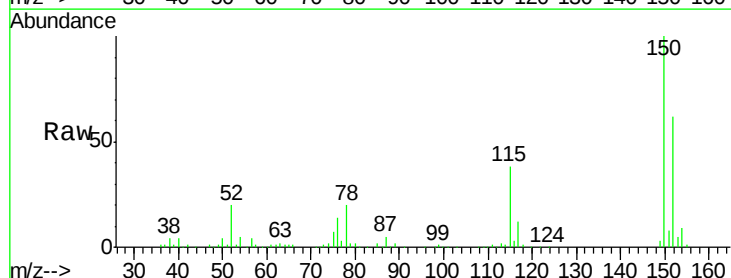


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

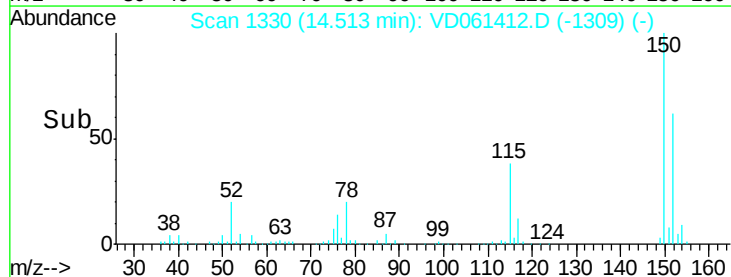
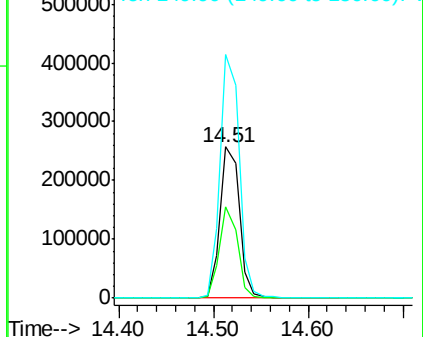


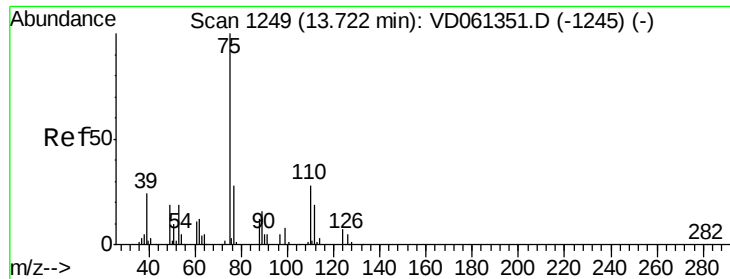
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061412.D
Acq: 29 Mar 2019 3:24

Tgt Ion:152 Resp: 366776
Ion Ratio Lower Upper
152 100
115 60.6 26.9 80.6
150 161.1 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.081 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

Instrument :

MSVOA_D

ClientSampleId :

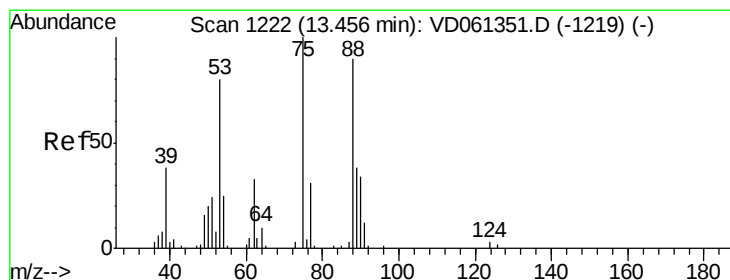
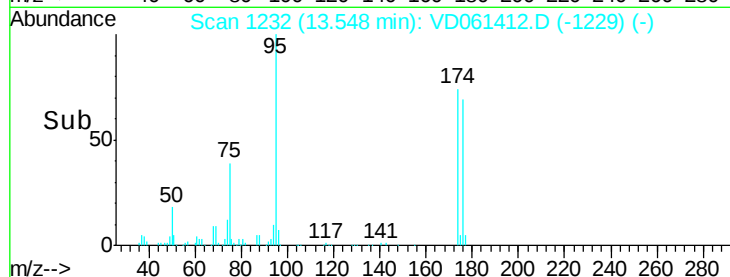
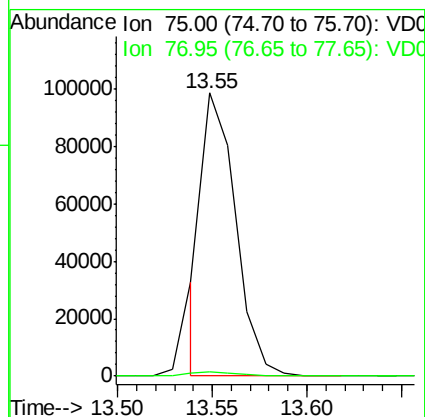
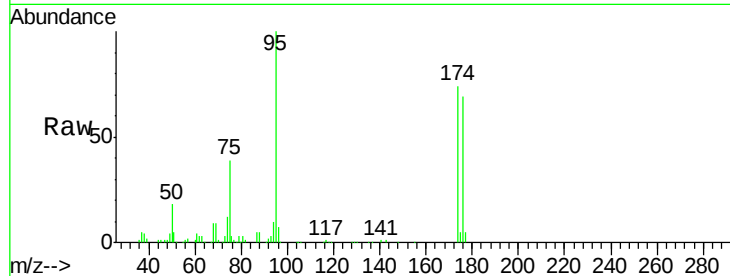
VD0329SB02

Tot Ion: 75 Resp: 122286

Ion Ratio Lower Upper

75 100

77 1.6 16.2 48.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.634 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061412.D

Acq: 29 Mar 2019 3:24

Tgt Ion: 75 Resp: 143180

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

