

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\
 Data File : VD061378.D
 Acq On : 28 Mar 2019 5:01
 Operator : VA/AP
 Sample : K2097-06
 Misc : 5.76g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-6

Quant Time: Mar 28 05:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	412422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	746046	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	438977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	123219	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	154880	43.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.92%	
35) Dibromofluoromethane	6.90	113	200785	35.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.44%	
50) Toluene-d8	10.39	98	383629	28.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	56.12%	
62) 4-Bromofluorobenzene	13.54	95	119344	22.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.52%	

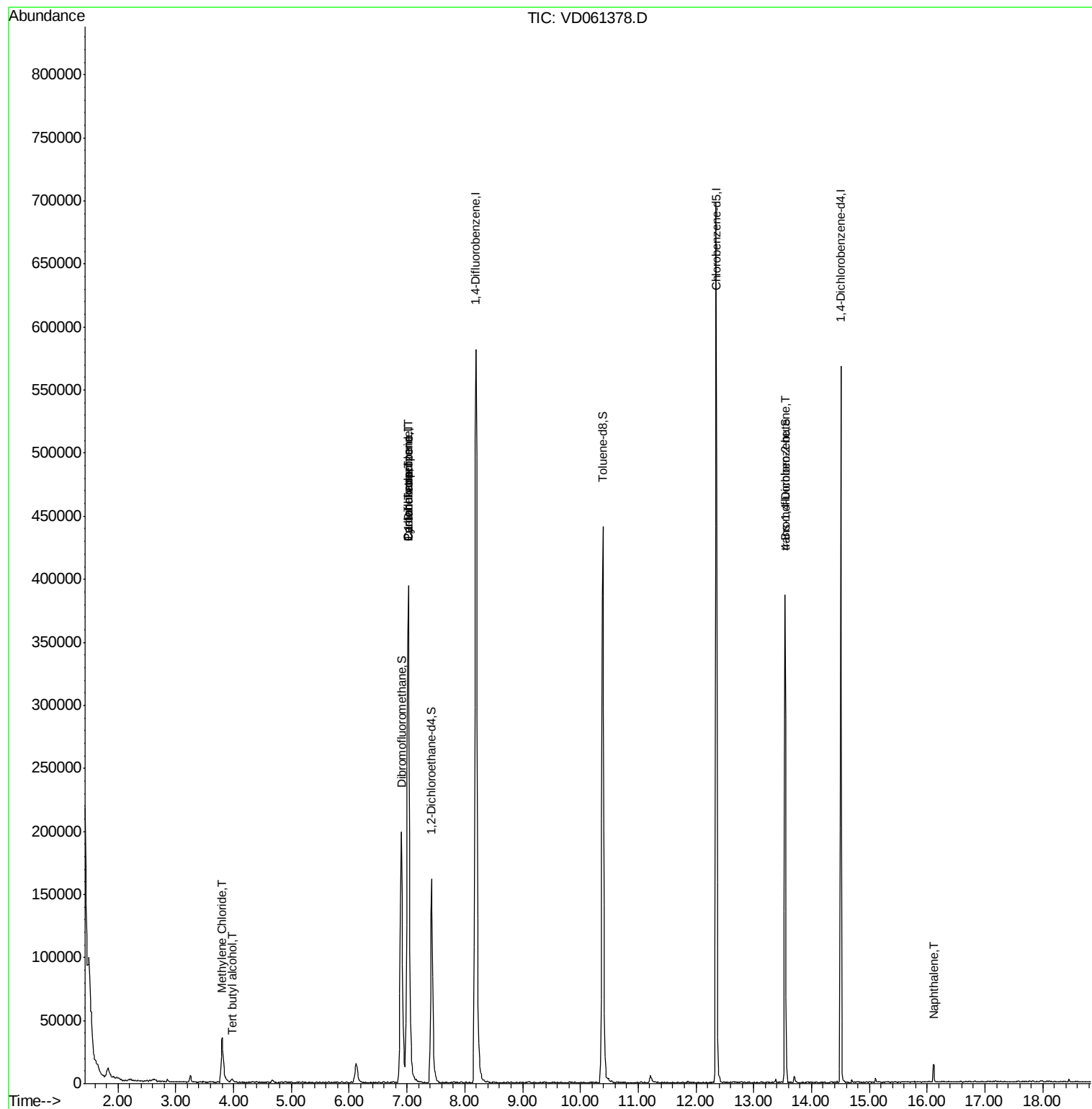
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	2502	11.404	ug/l #	76
20) Methylene Chloride	3.80	84	27880	3.718	ug/l	88
31) Cyclohexane	7.01	56	6673	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	29777	4.573	ug/l #	45
38) Carbon Tetrachloride	7.02	117	40082	5.406	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.54	75	44002	81.080	ug/l #	18
95) Naphthalene	16.12	128	11982	4.887	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 02:13:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

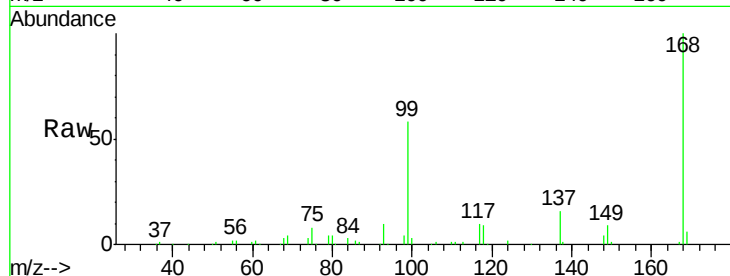
CS-6

Tot Ion:168 Resp: 412422

Ion Ratio Lower Upper

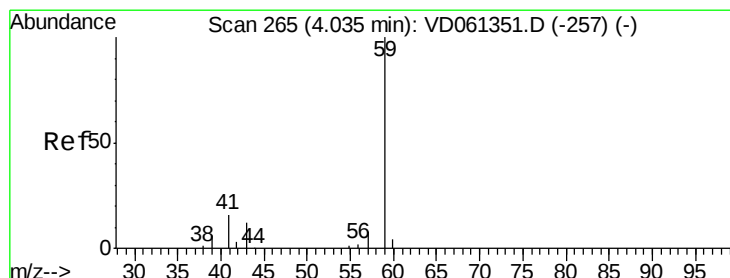
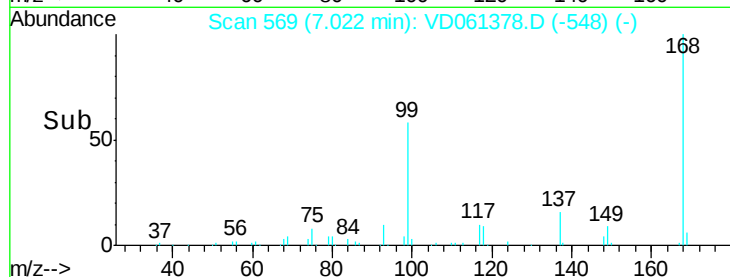
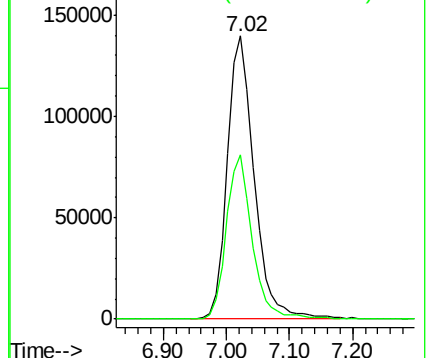
168 100

99 58.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 11.404 ug/l

RT: 3.96 min Scan# 258

Delta R.T. -0.07 min

Lab File: VD061378.D

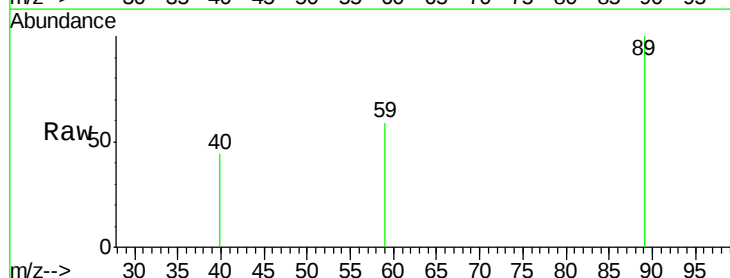
Acq: 28 Mar 2019 5:01

Tgt Ion: 59 Resp: 2502

Ion Ratio Lower Upper

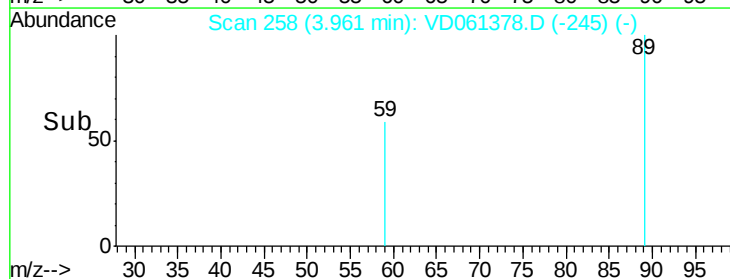
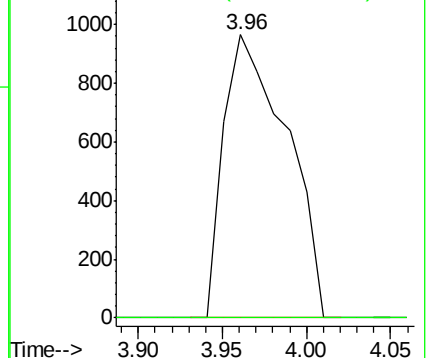
59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#20

Methylene Chloride

Concen: 3.718 ug/l

RT: 3.80 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

CS-6

Tot Ion: 84 Resp: 27880

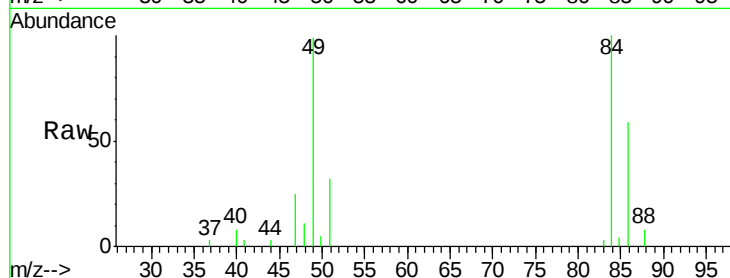
Ion Ratio Lower Upper

84 100

49 98.9 91.8 137.8

51 31.5 29.8 44.8

86 58.5 51.8 77.6

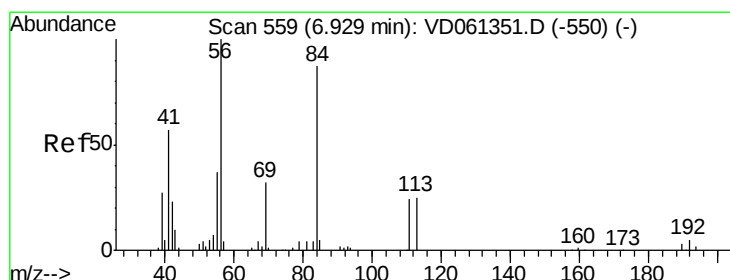
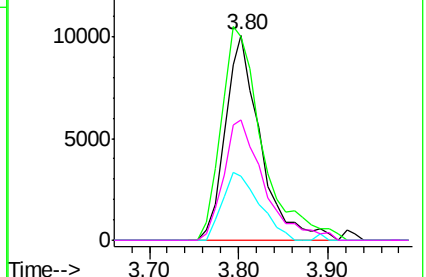
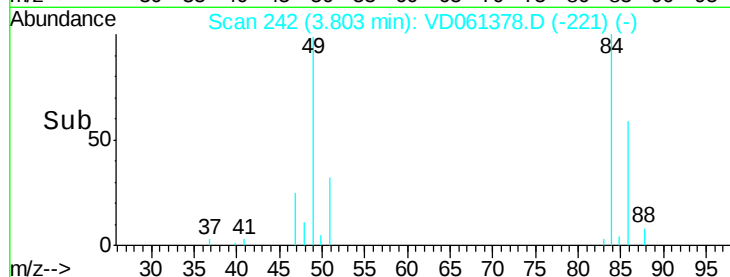


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.100 ug/l

RT: 7.01 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

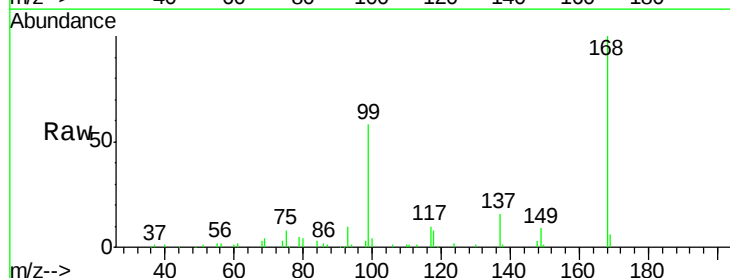
Tgt Ion: 56 Resp: 6673

Ion Ratio Lower Upper

56 100

69 200.3 25.7 38.5#

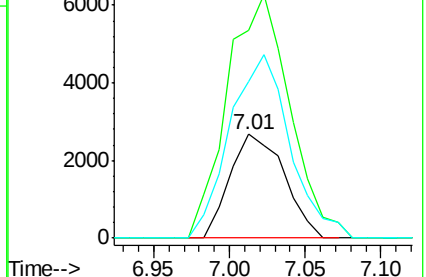
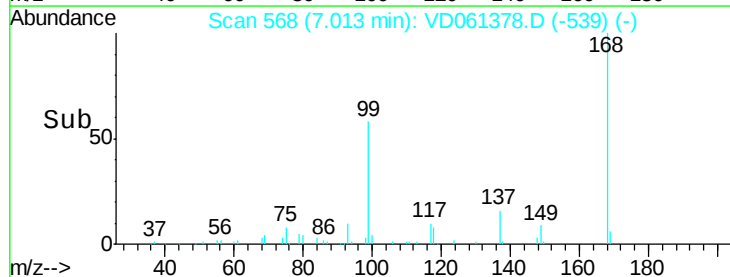
84 150.0 70.6 105.8#

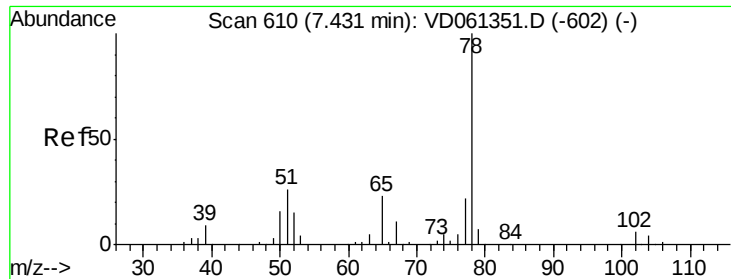


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

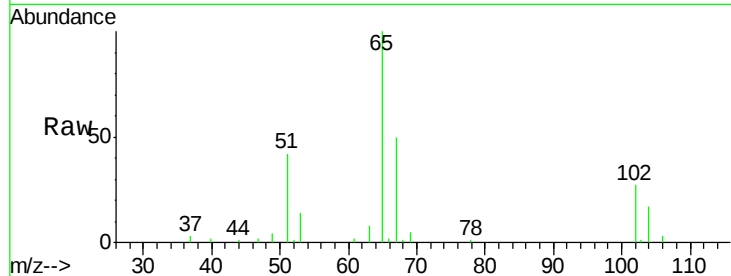
CS-6

Tot Ion: 65 Resp: 154880

Ion Ratio Lower Upper

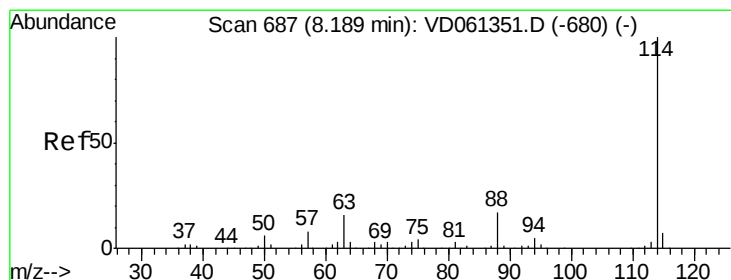
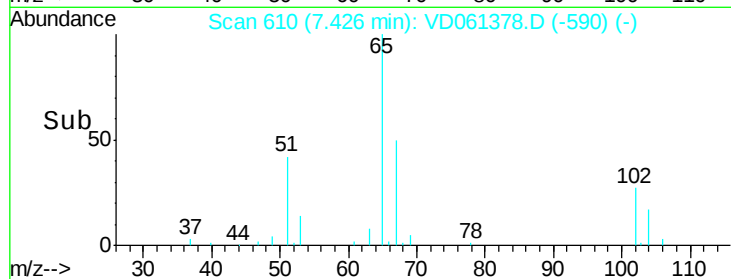
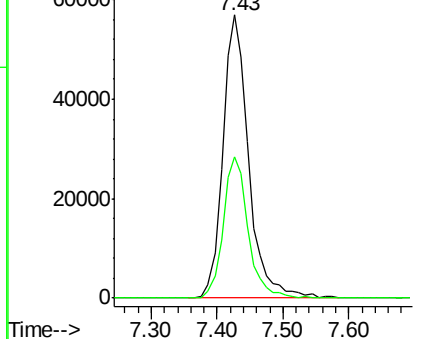
65 100

67 49.7 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: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

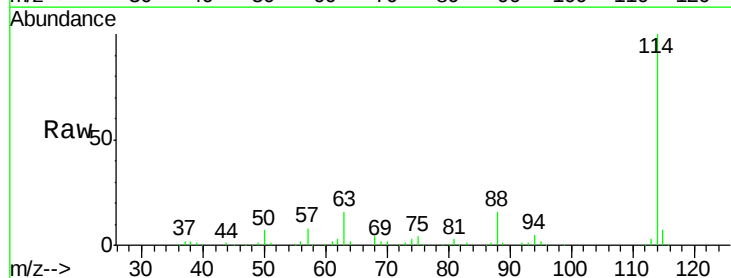
Tgt Ion: 114 Resp: 746046

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.6

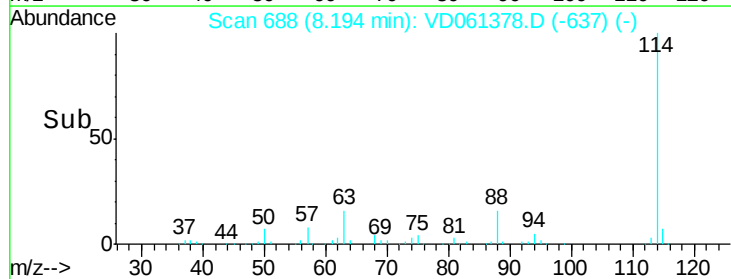
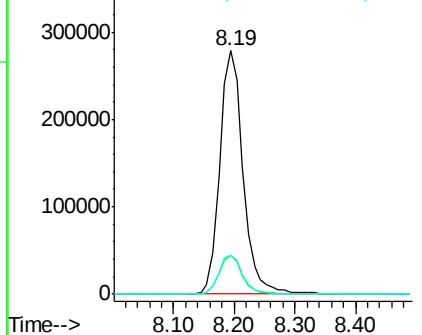
88 16.2 0.0 33.4

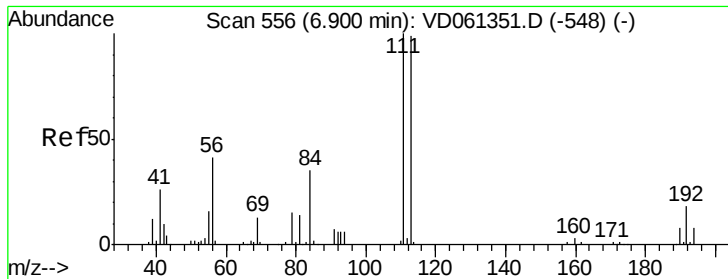


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

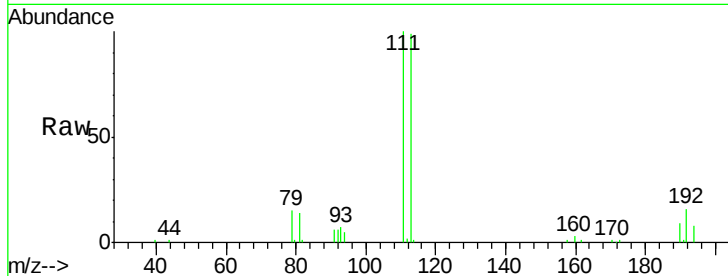




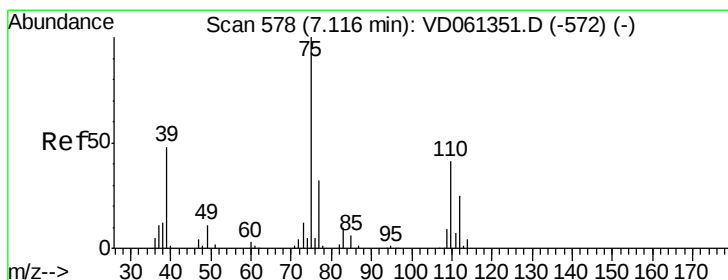
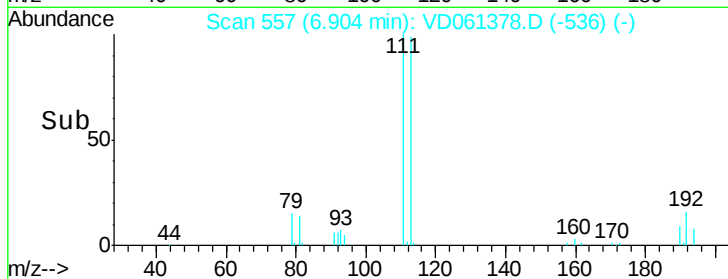
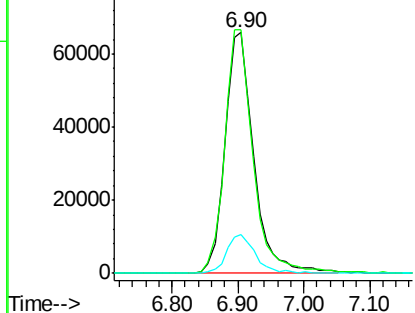
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD061378.D
 Acq: 28 Mar 2019 5:01

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-6

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.6
192	16.1	14.4	21.6

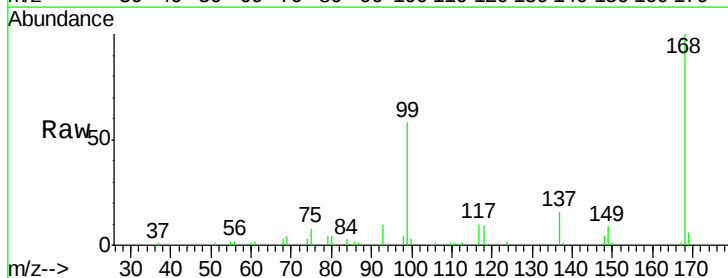


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

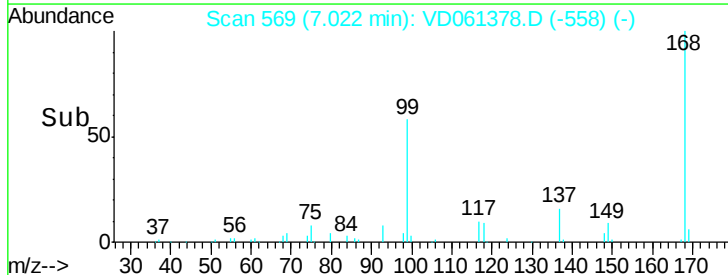
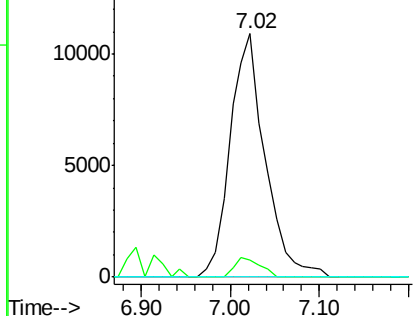


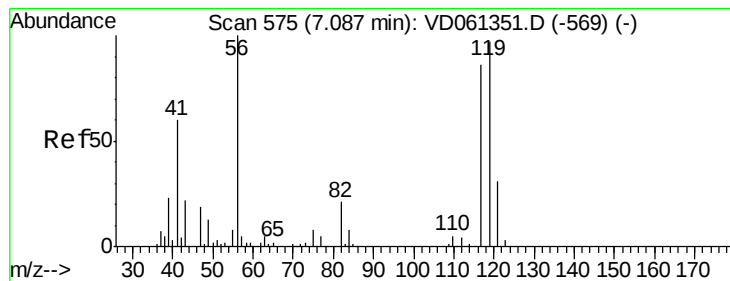
#36
 1,1-Dichloropropene
 Concen: 4.573 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.09 min
 Lab File: VD061378.D
 Acq: 28 Mar 2019 5:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	20.4	61.3#
77	0.0	24.9	37.3#



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





#38

Carbon Tetrachloride

Concen: 5.406 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

CS-6

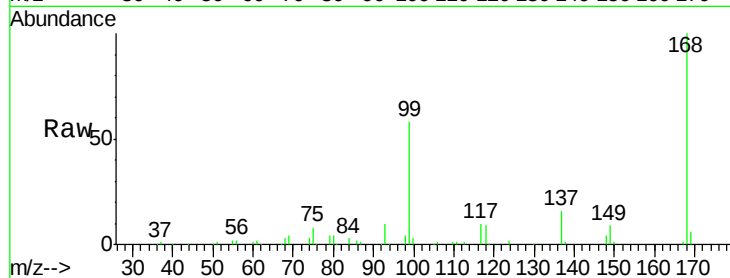
Tot Ion:117 Resp: 40082

Ion Ratio Lower Upper

117 100

119 3.2 80.1 120.1#

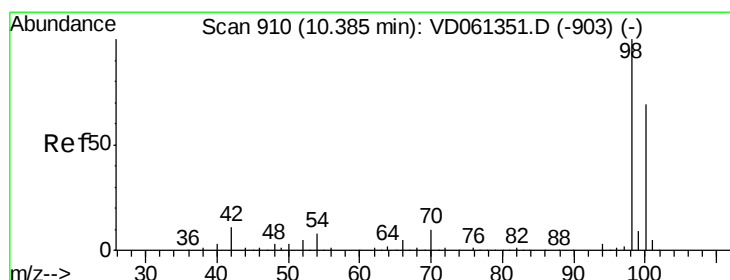
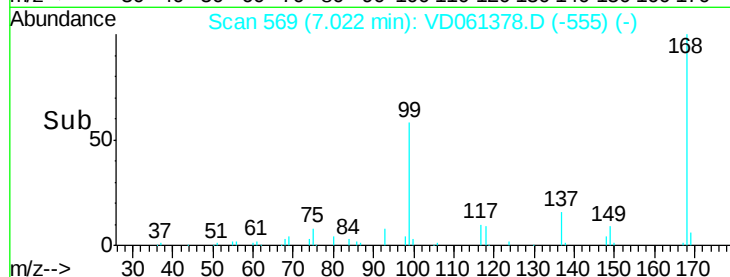
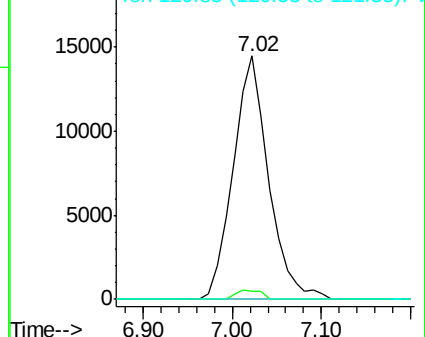
121 0.0 25.6 38.4#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD061378.D

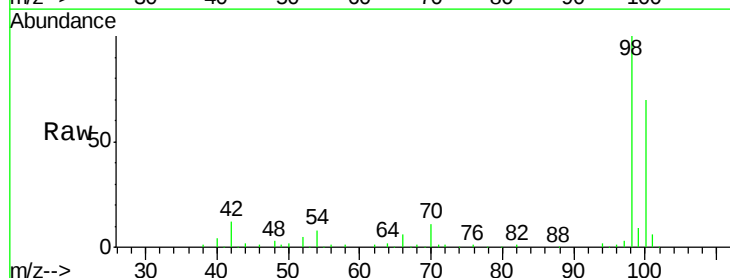
Acq: 28 Mar 2019 5:01

Tgt Ion: 98 Resp: 383629

Ion Ratio Lower Upper

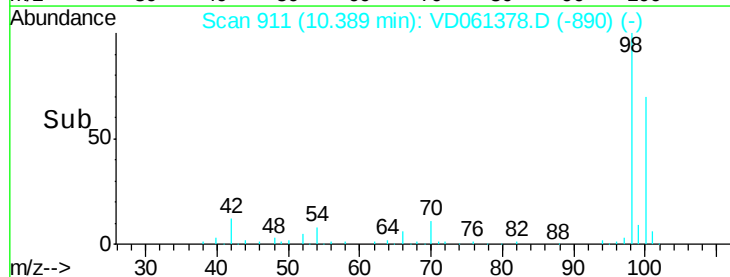
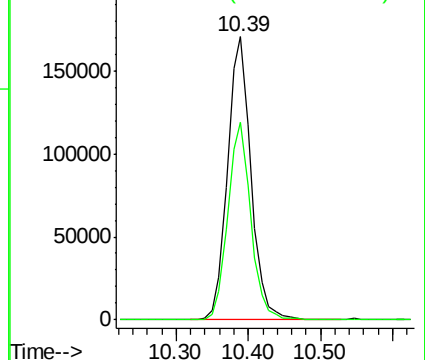
98 100

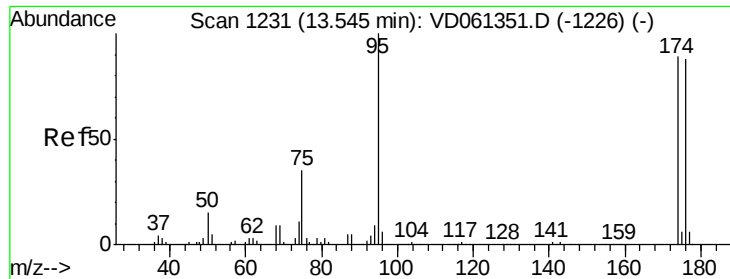
100 70.0 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

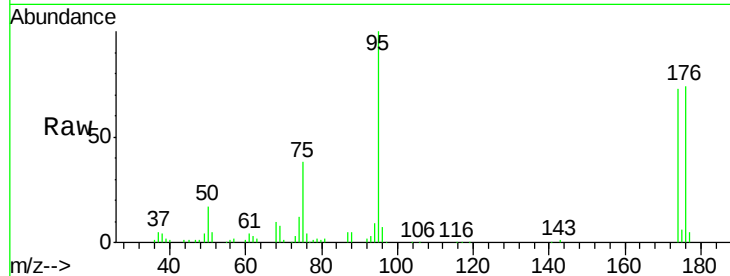




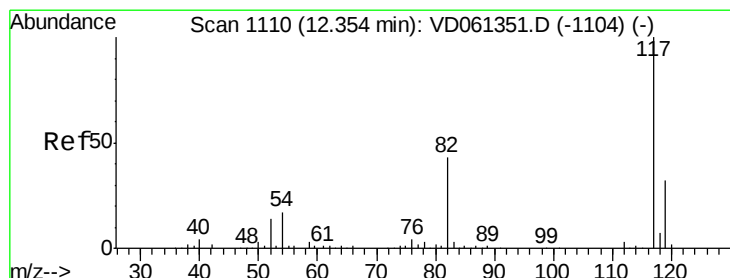
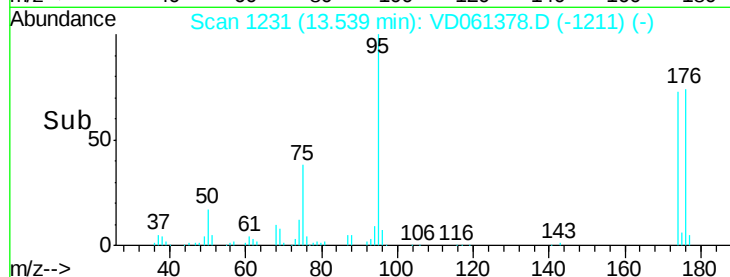
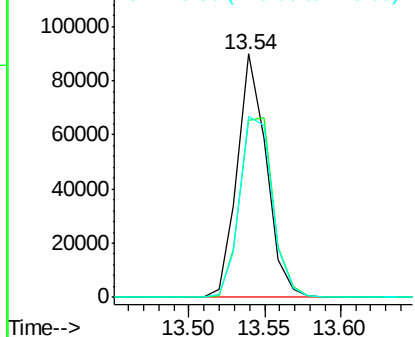
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061378.D
Acq: 28 Mar 2019 5:01

Instrument :
MSVOA_D
ClientSampleId :
CS-6

Tot Ion: 95 Resp: 119344
Ion Ratio Lower Upper
95 100
174 72.8 0.0 178.0
176 74.1 0.0 175.0

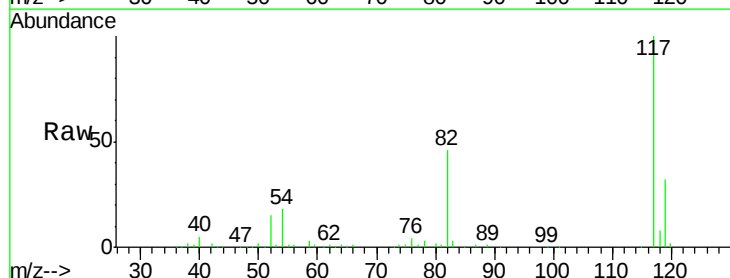


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

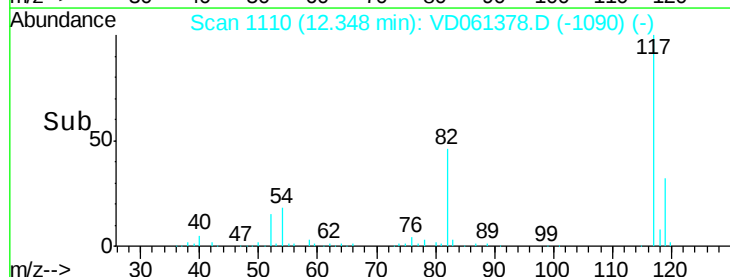
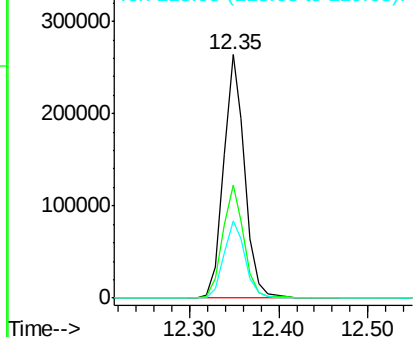


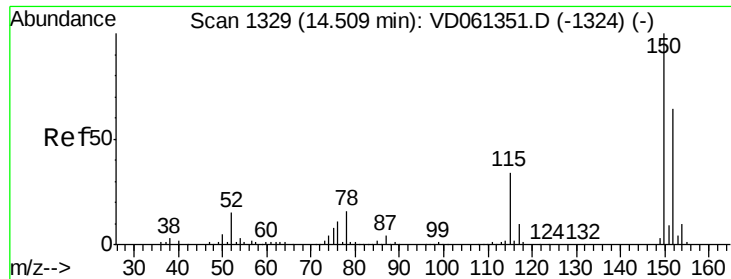
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061378.D
Acq: 28 Mar 2019 5:01

Tgt Ion: 117 Resp: 438977
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 31.9 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: 14.50 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampled :

CS-6

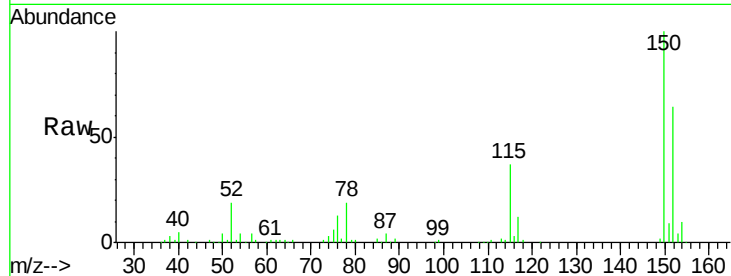
Tot Ion:152 Resp: 123219

Ion Ratio Lower Upper

152 100

115 57.3 26.9 80.6

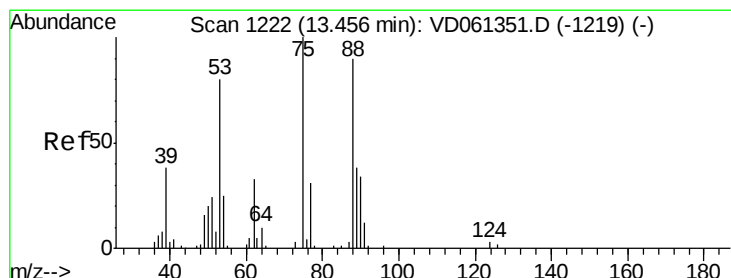
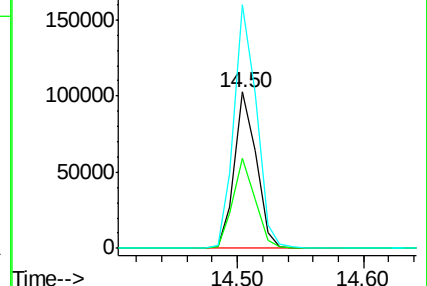
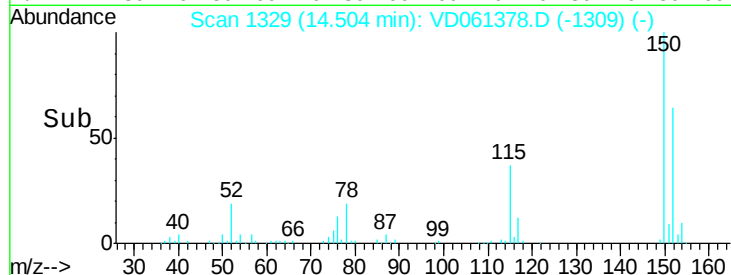
150 155.8 0.0 318.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 81.080 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061378.D

Acq: 28 Mar 2019 5:01

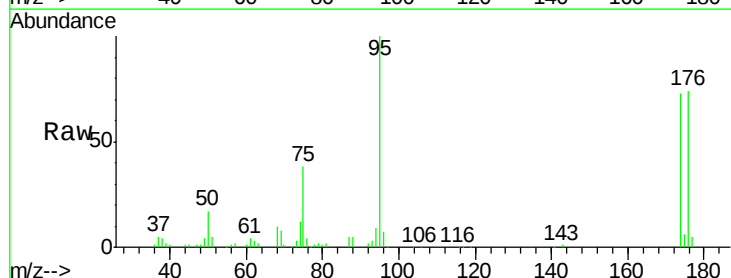
Tgt Ion: 75 Resp: 44002

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

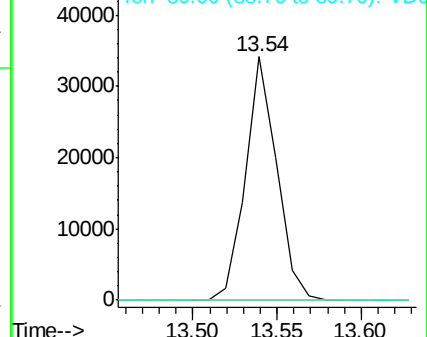
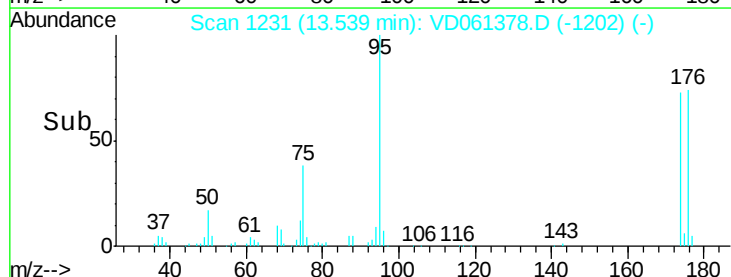
89 0.0 30.5 45.7#

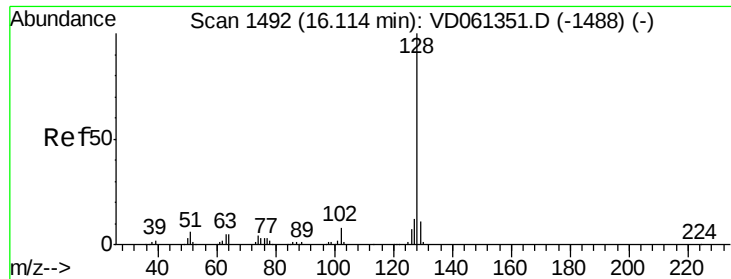


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 4.887 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061378.D
Acq: 28 Mar 2019 5:01

Instrument :
MSVOA_D
ClientSampleId :
CS-6

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.5	9.9	14.9
129	12.0	8.9	13.3

