

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\
 Data File : VD061376.D
 Acq On : 28 Mar 2019 4:06
 Operator : VA/AP
 Sample : K2097-04
 Misc : 5.37g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-19

Quant Time: Mar 28 05:44:15 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	444261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	671614	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	300288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	50240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	145916	38.45	ug/l	0.00
Spiked Amount			Recovery	=	76.90%	
35) Dibromofluoromethane	6.90	113	233439	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
50) Toluene-d8	10.38	98	358793	29.15	ug/l	0.00
Spiked Amount			Recovery	=	58.30%	
62) 4-Bromofluorobenzene	13.54	95	68037	14.41	ug/l	0.00
Spiked Amount			Recovery	=	28.82%	

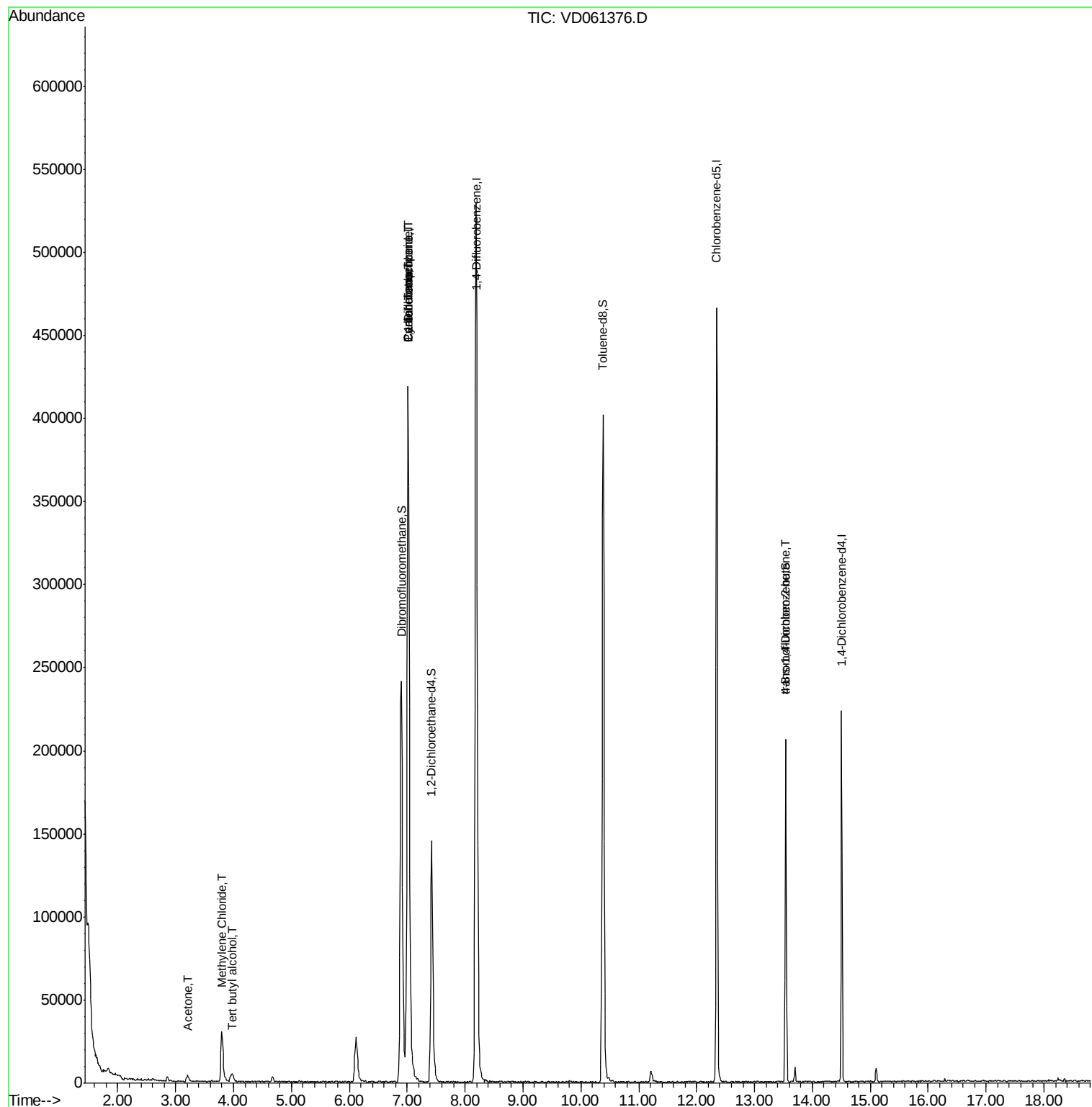
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	6436	27.231	ug/l #	76
16) Acetone	3.21	43	7335	7.519	ug/l	92
20) Methylene Chloride	3.79	84	25446	2.845	ug/l	94
31) Cyclohexane	7.02	56	7324	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	31000	5.289	ug/l #	45
38) Carbon Tetrachloride	7.02	117	42120	6.311	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.54	75	24330	109.953	ug/l #	18

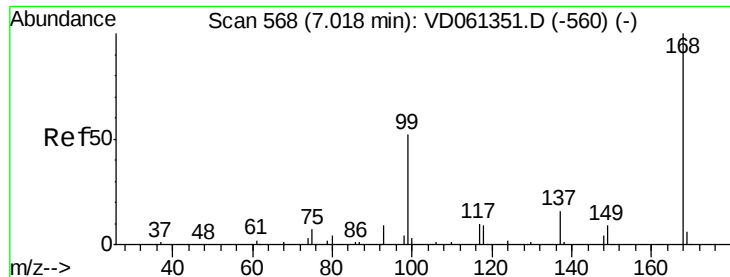
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061376.D

Acq: 28 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

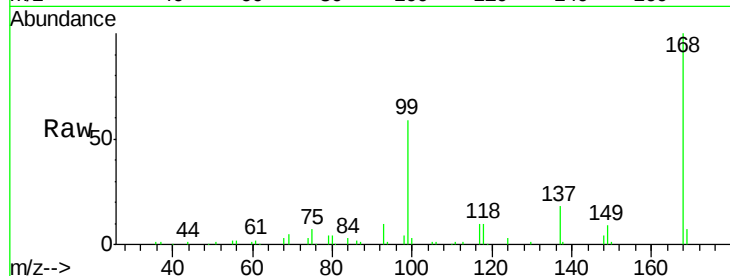
CS-19

Tot Ion:168 Resp: 444261

Ion Ratio Lower Upper

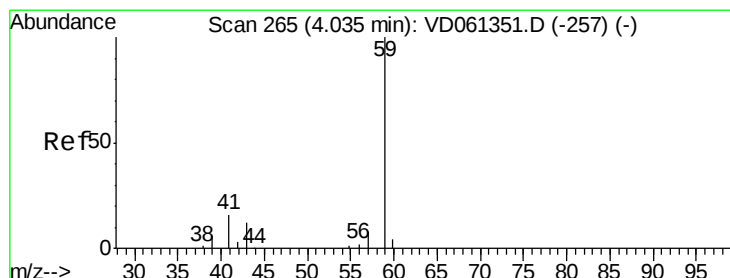
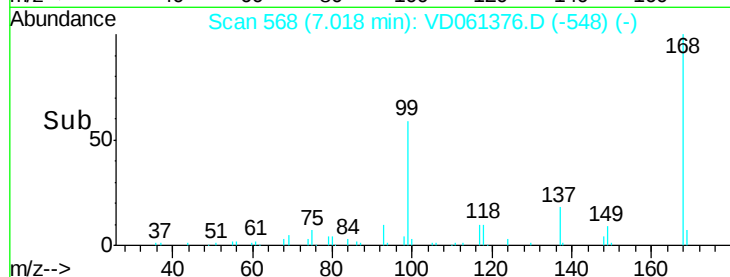
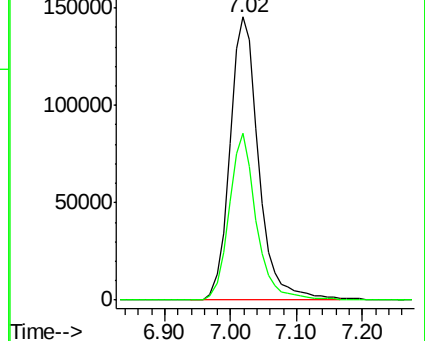
168 100

99 59.1 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: 27.231 ug/l

RT: 3.97 min Scan# 258

Delta R.T. -0.07 min

Lab File: VD061376.D

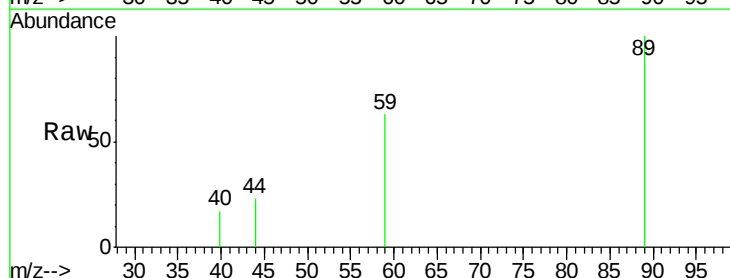
Acq: 28 Mar 2019 4:06

Tgt Ion: 59 Resp: 6436

Ion Ratio Lower Upper

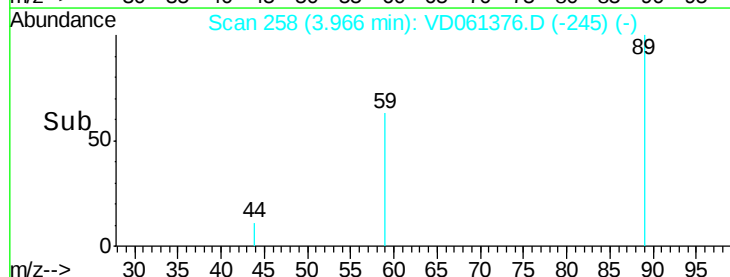
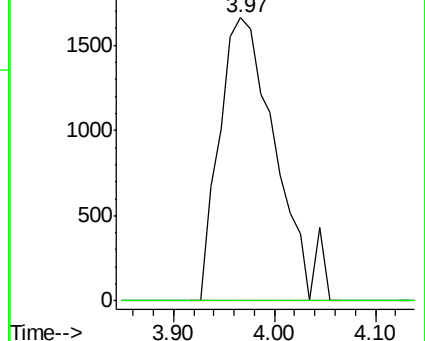
59 100

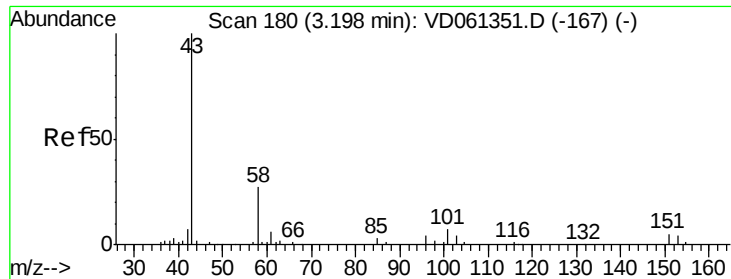
57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 7.519 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061376.D

Acq: 28 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

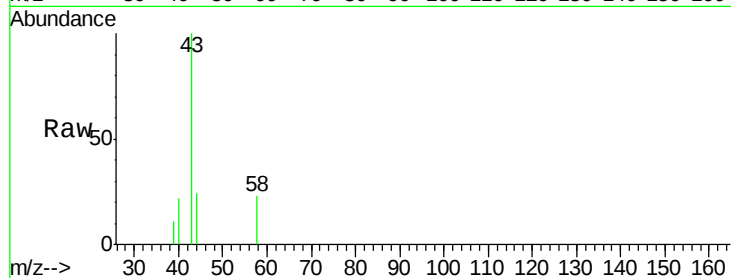
CS-19

Tot Ion: 43 Resp: 7335

Ion Ratio Lower Upper

43 100

58 22.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

3000

2500

2000

1500

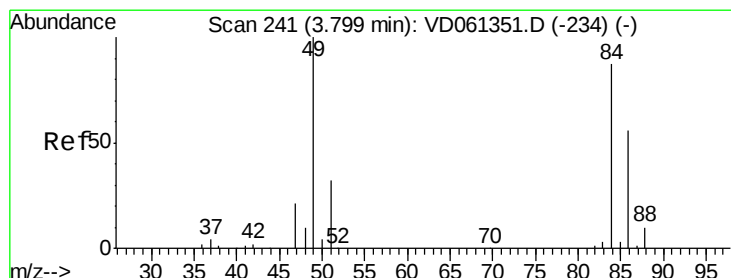
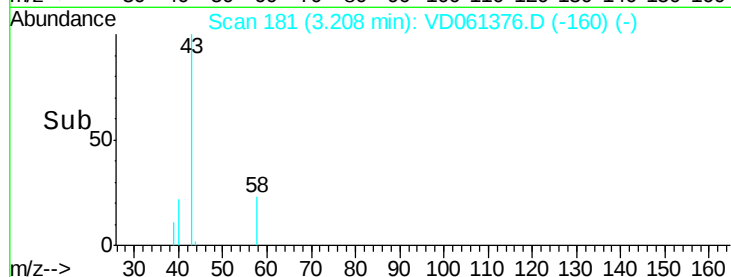
1000

500

0

Time-->

3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 2.845 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD061376.D

Acq: 28 Mar 2019 4:06

Tgt Ion: 84 Resp: 25446

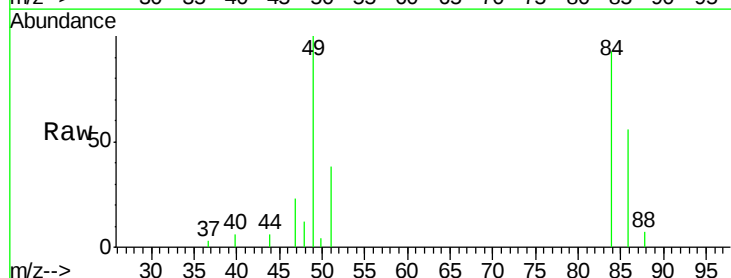
Ion Ratio Lower Upper

84 100

49 107.5 91.8 137.8

51 41.1 29.8 44.8

86 60.7 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

15000

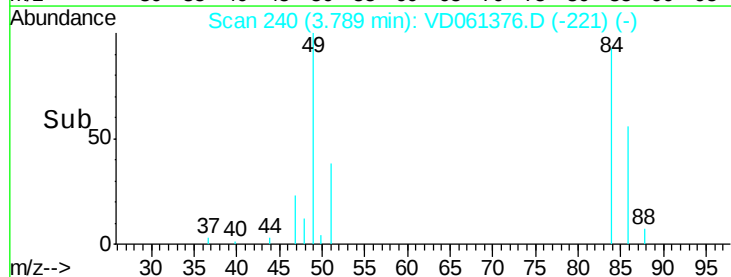
10000

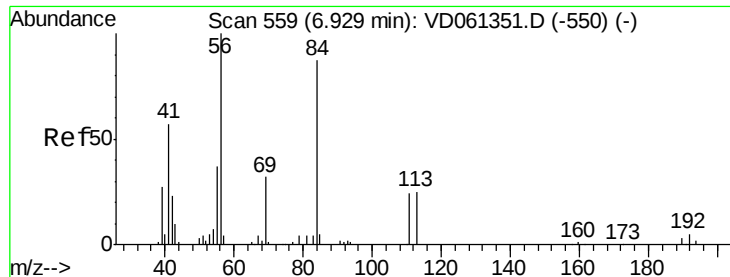
5000

0

Time-->

3.70 3.80 3.90

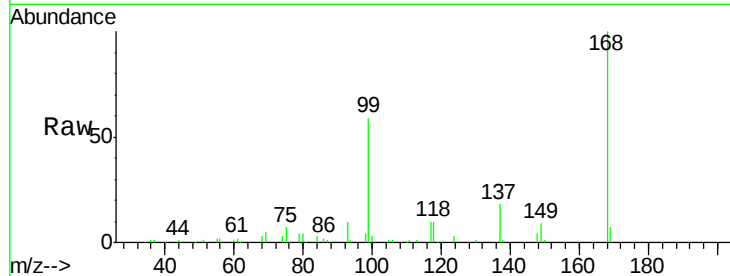




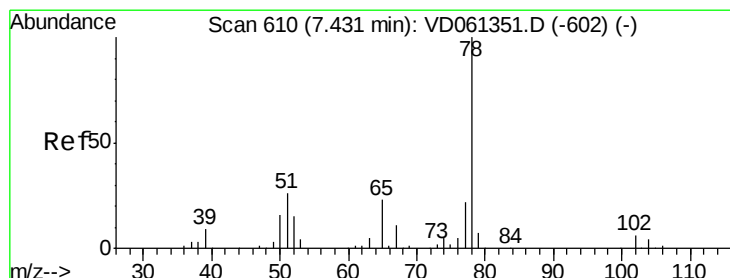
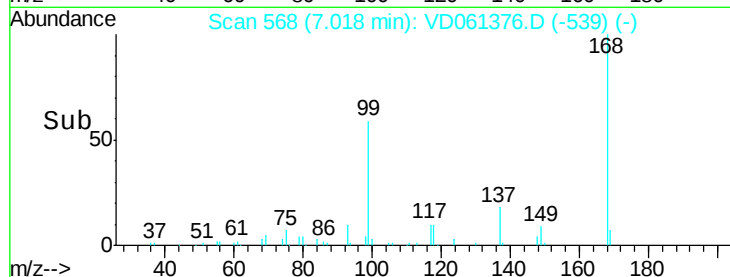
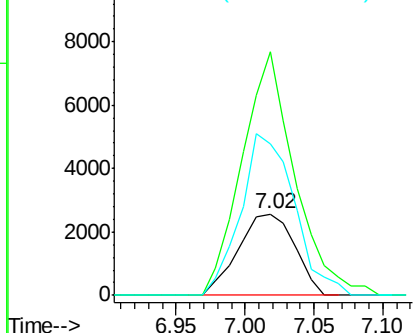
#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.09 min
Lab File: VD061376.D
Acq: 28 Mar 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
CS-19

Tot Ion: 56 Resp: 7324
Ion Ratio Lower Upper
56 100
69 298.6 25.7 38.5#
84 185.9 70.6 105.8#

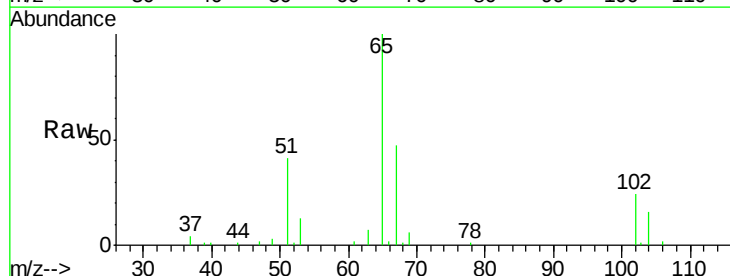


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

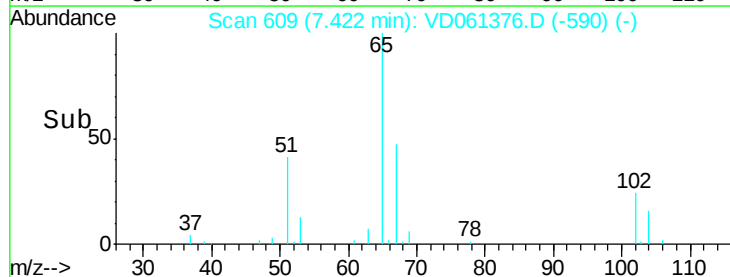
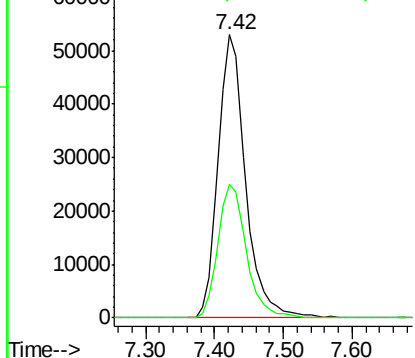


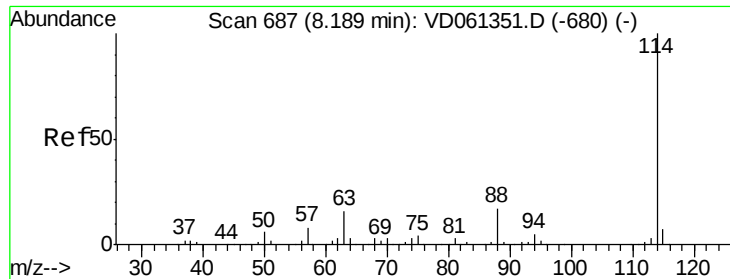
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.01 min
Lab File: VD061376.D
Acq: 28 Mar 2019 4:06

Tgt Ion: 65 Resp: 145916
Ion Ratio Lower Upper
65 100
67 47.3 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: 8.19 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD061376.D

Acq: 28 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

CS-19

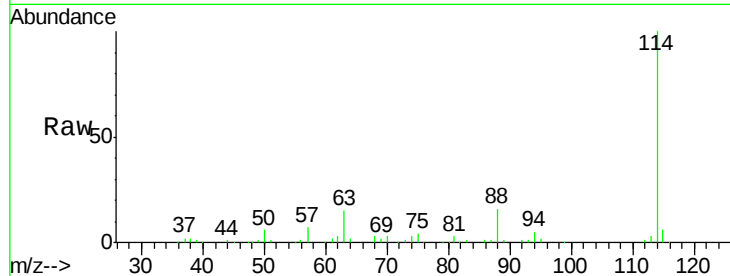
Tot Ion:114 Resp: 671614

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.6

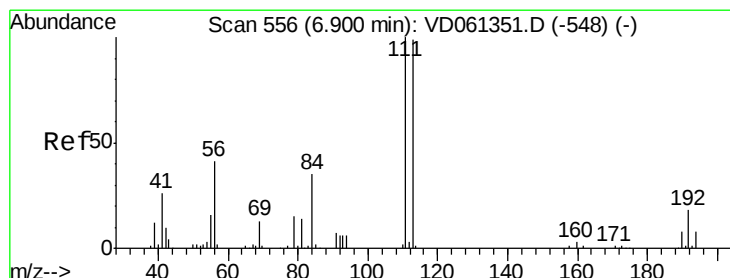
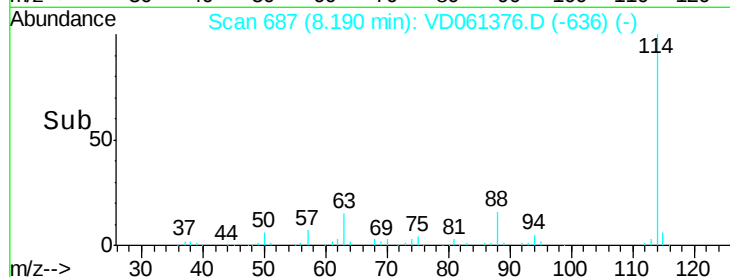
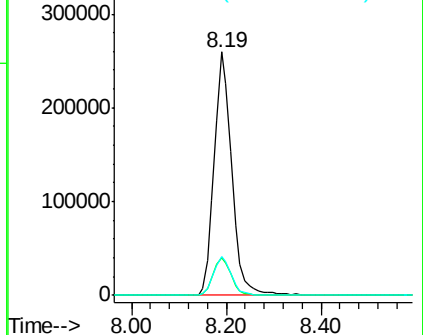
88 15.7 0.0 33.4



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: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD061376.D

Acq: 28 Mar 2019 4:06

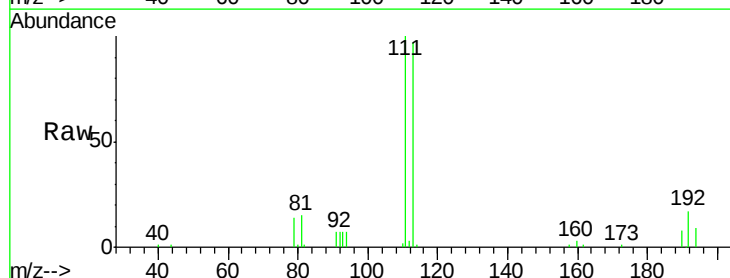
Tgt Ion:113 Resp: 233439

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.6

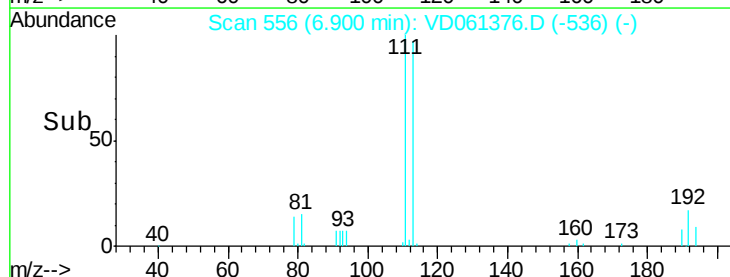
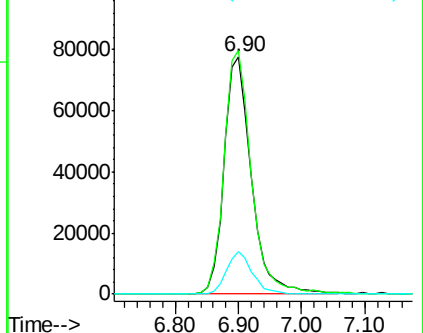
192 17.9 14.4 21.6

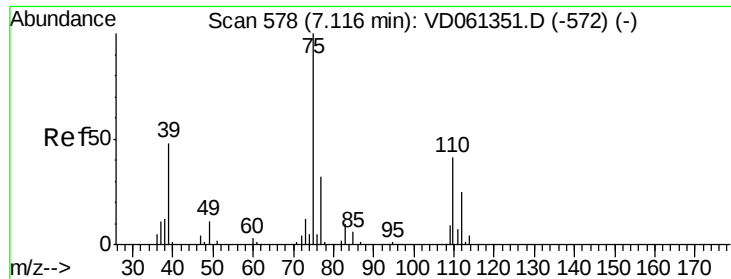


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

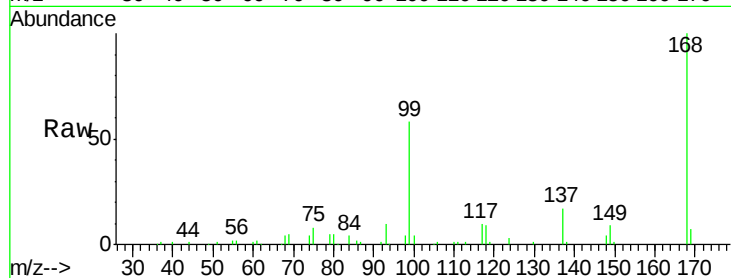




#36
 1,1-Dichloropropene
 Concen: 5.289 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.11 min
 Lab File: VD061376.D
 Acq: 28 Mar 2019 4:06

Instrument :
 MSVOA_D
 ClientSampled :
 CS-19

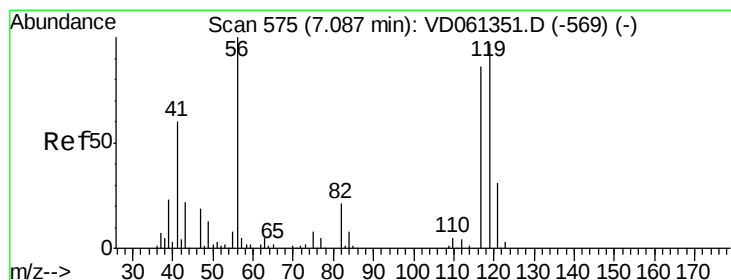
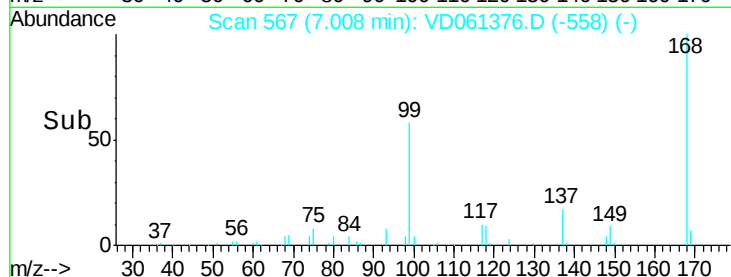
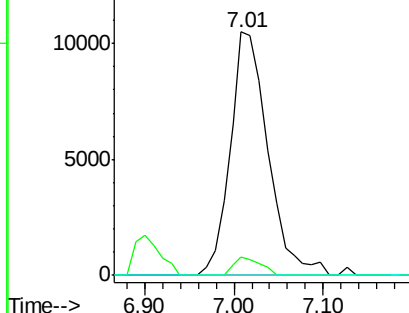
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	20.4	61.3#
77	0.0	24.9	37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

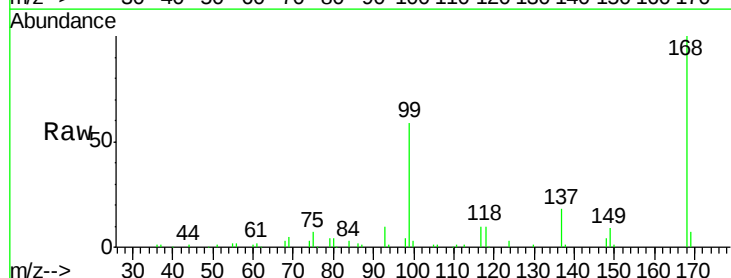
Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38
 Carbon Tetrachloride
 Concen: 6.311 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.07 min
 Lab File: VD061376.D
 Acq: 28 Mar 2019 4:06

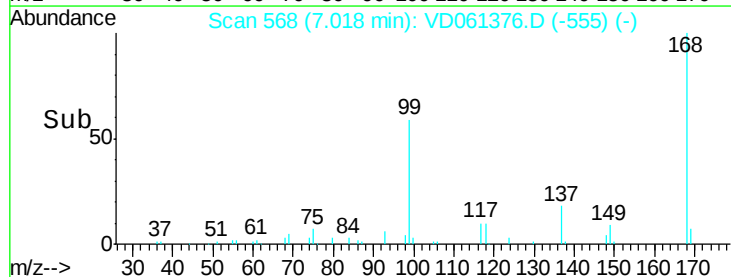
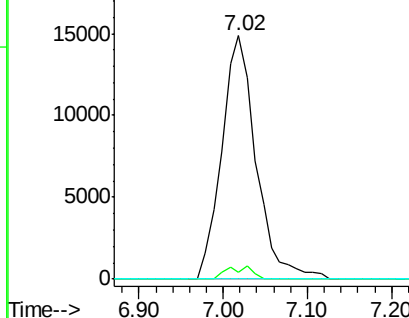
Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	80.1	120.1#
121	0.0	25.6	38.4#

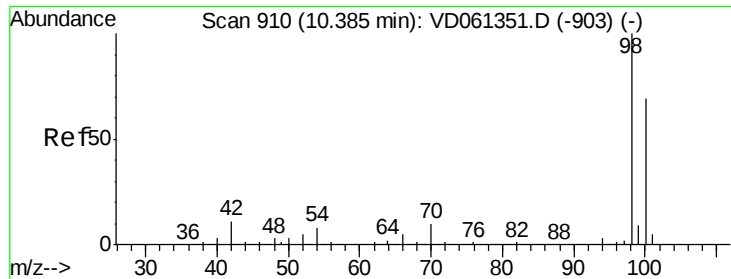


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

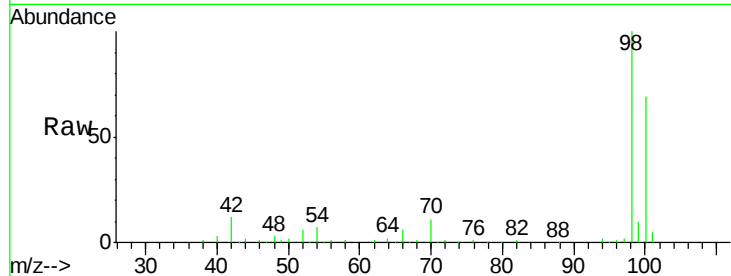




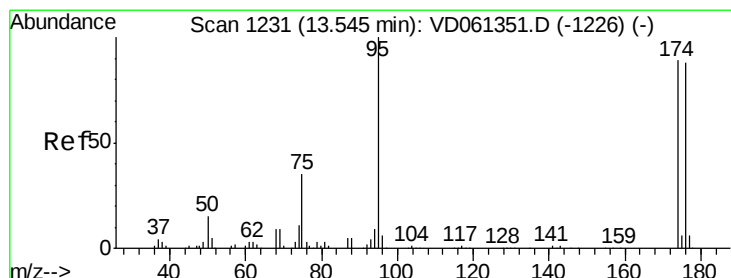
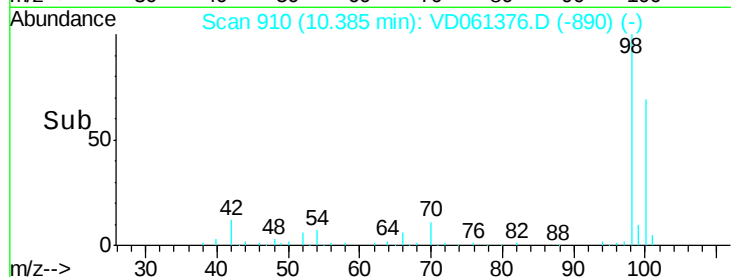
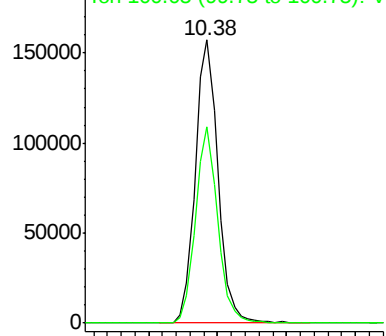
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061376.D
Acq: 28 Mar 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
CS-19

Tot Ion: 98 Resp: 358793
Ion Ratio Lower Upper
98 100
100 69.4 56.2 84.2

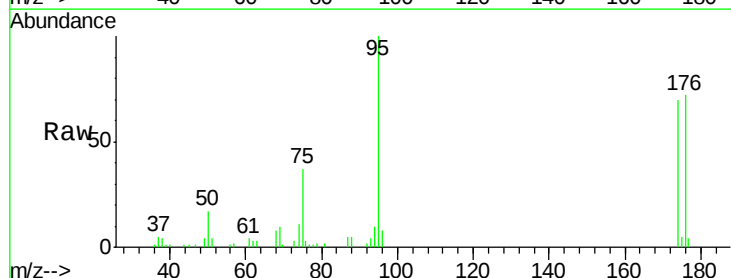


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

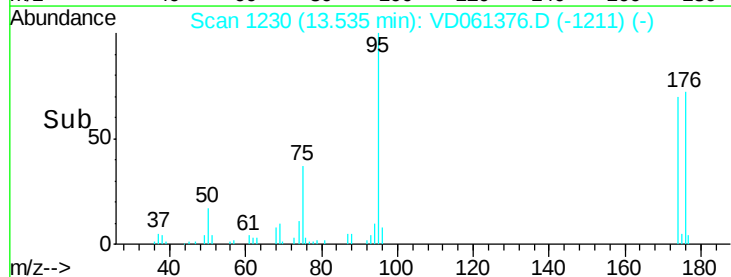
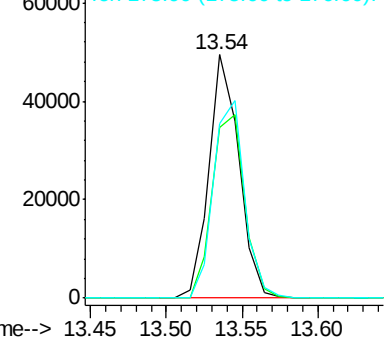


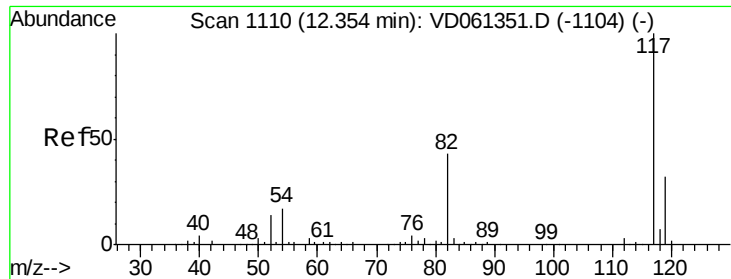
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD061376.D
Acq: 28 Mar 2019 4:06

Tgt Ion: 95 Resp: 68037
Ion Ratio Lower Upper
95 100
174 70.0 0.0 178.0
176 71.5 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

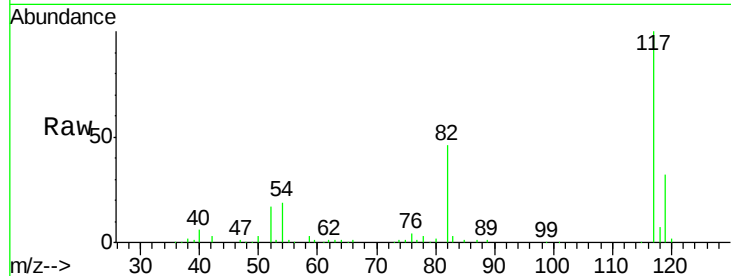




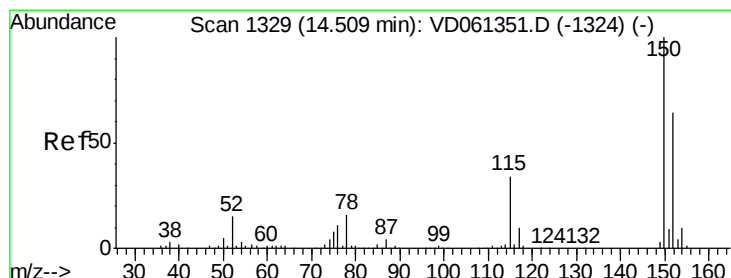
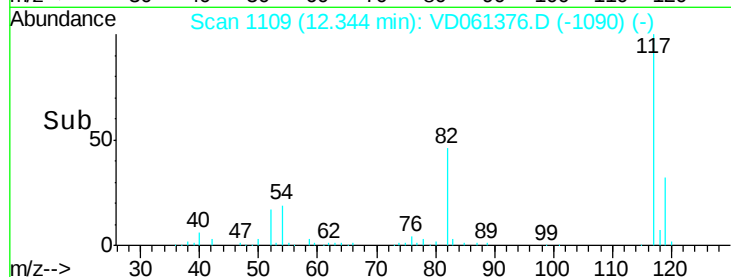
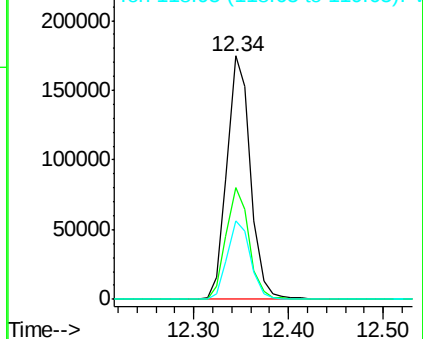
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061376.D
Acq: 28 Mar 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
CS-19

Tot Ion:117 Resp: 300288
Ion Ratio Lower Upper
117 100
82 45.7 34.4 51.6
119 32.1 25.8 38.6

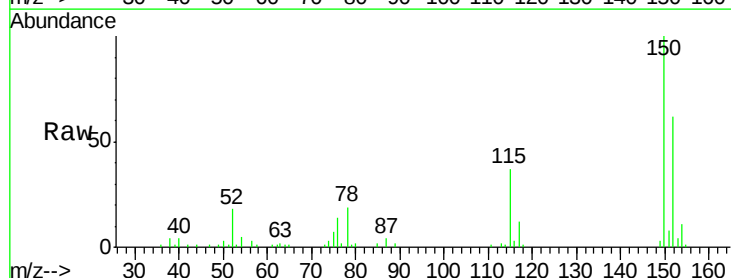


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

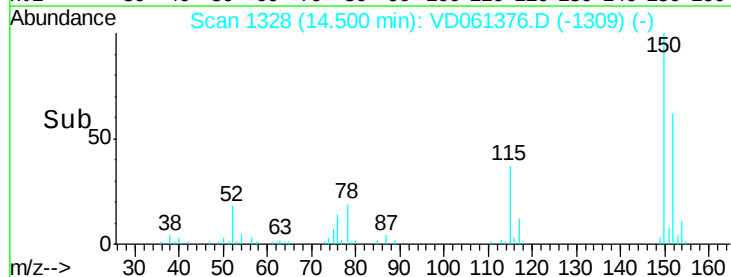
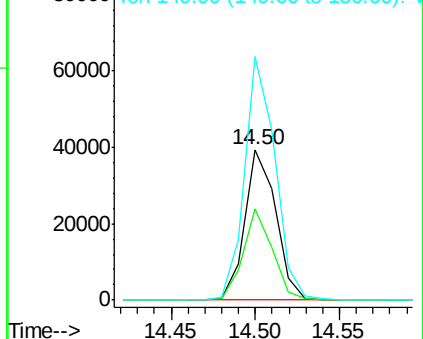


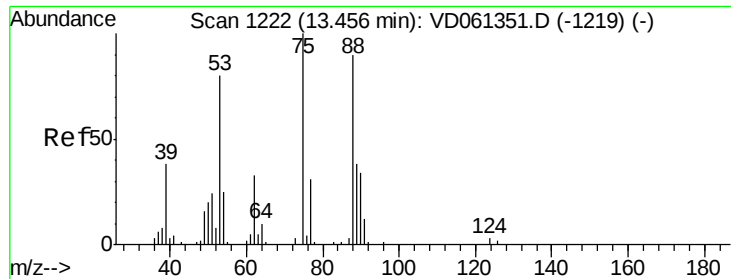
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061376.D
Acq: 28 Mar 2019 4:06

Tgt Ion:152 Resp: 50240
Ion Ratio Lower Upper
152 100
115 60.3 26.9 80.6
150 161.7 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: 109.953 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.08 min

Lab File: VD061376.D

Acq: 28 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

CS-19

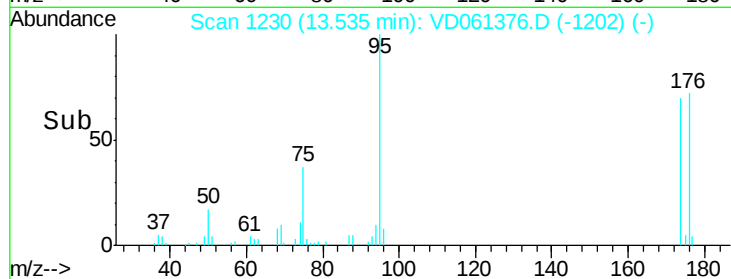
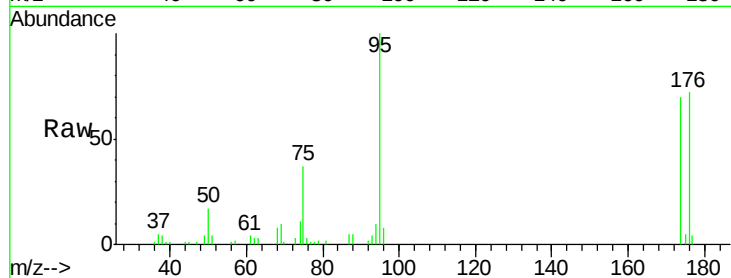
Tot Ion: 75 Resp: 24330

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

