

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
 Data File : VD061719.D
 Acq On : 10 Apr 2019 18:05
 Operator : VA/AP
 Sample : K2316-07RE
 Misc : 5.05g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190175-AMND-COMP-CS-2RE

Quant Time: Apr 11 02:38:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

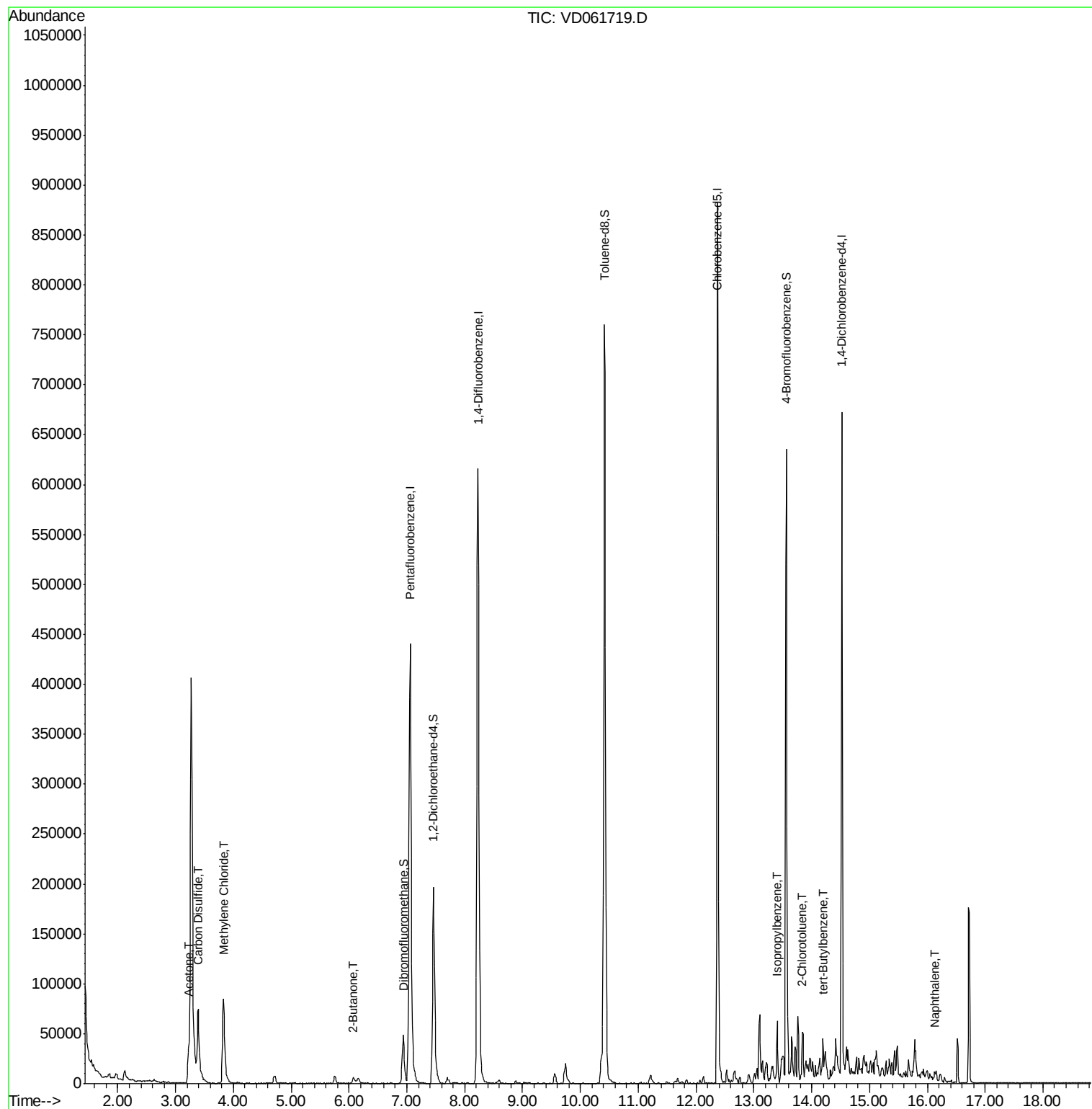
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	451380	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	760041	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	533743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	163167	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	189434	55.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.74%	
35) Dibromofluoromethane	6.94	113	45790	8.70	ug/l	0.02
Spiked Amount 50.000			Recovery	=	17.40%	
50) Toluene-d8	10.41	98	677782	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	13.56	95	203089	42.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.56%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	64907	63.461	ug/l	97
17) Carbon Disulfide	3.39	76	130486	8.534	ug/l	100
20) Methylene Chloride	3.83	84	61890	10.664	ug/l	94
25) 2-Butanone	6.07	43	13893	11.783	ug/l #	89
73) Isopropylbenzene	13.41	105	36887	3.393	ug/l	94
79) 2-Chlorotoluene	13.84	91	23140	3.111	ug/l	92
83) tert-Butylbenzene	14.19	119	12800	1.230	ug/l	96
95) Naphthalene	16.12	128	5543	1.536	ug/l	99

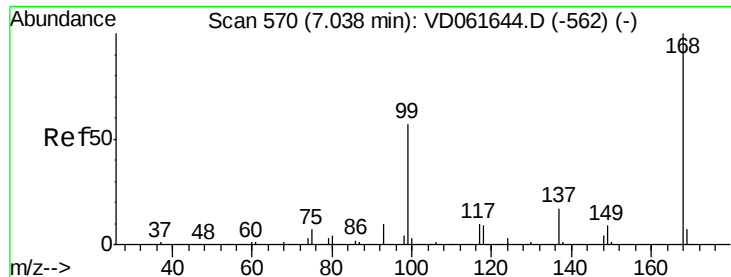
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061719.D

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MSVOA_D

ClientSampleId :

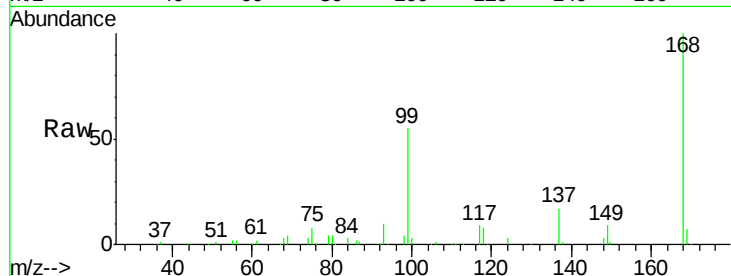
20190175-AMND-COMP-CS-2RE

Tgt Ion:168 Resp: 451380

Ion Ratio Lower Upper

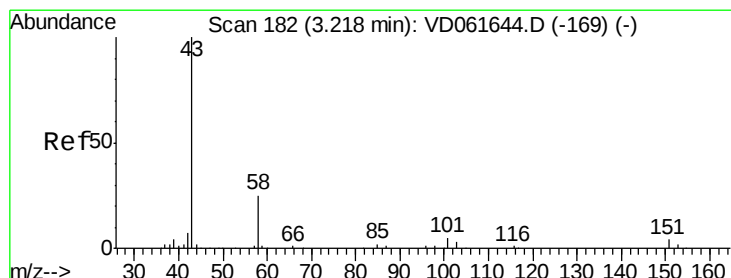
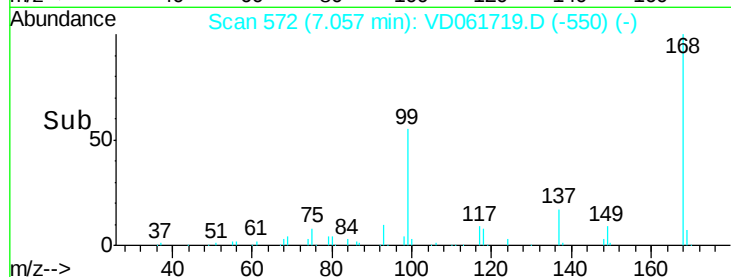
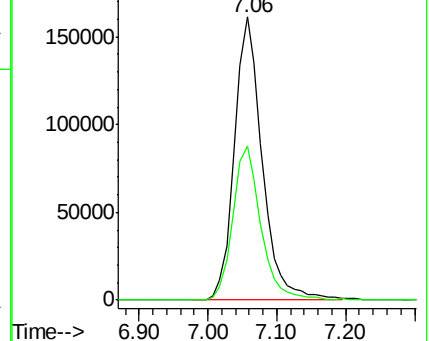
168 100

99 54.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 63.461 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061719.D

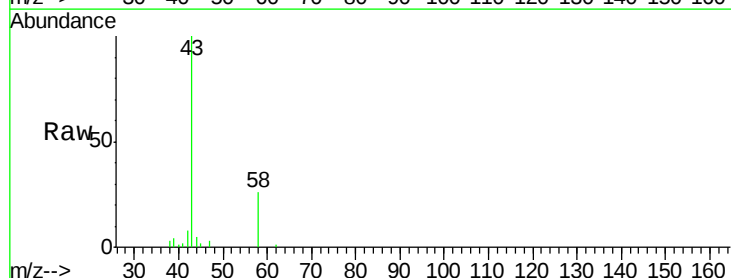
Acq: 10 Apr 2019 18:05

Tgt Ion: 43 Resp: 64907

Ion Ratio Lower Upper

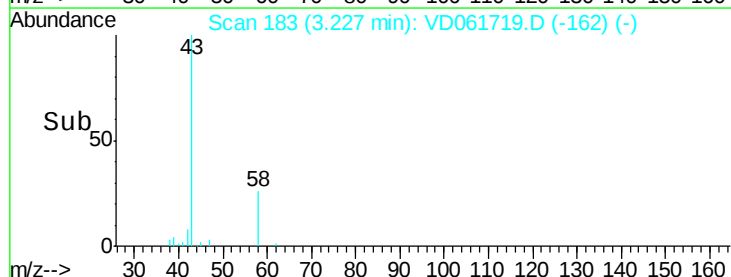
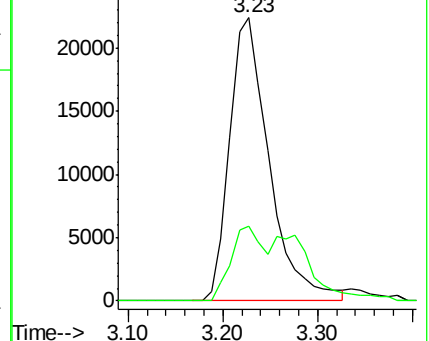
43 100

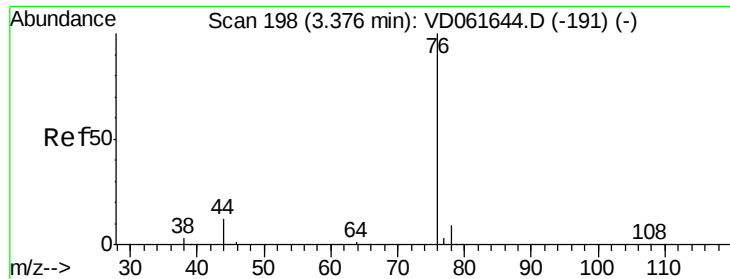
58 26.3 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

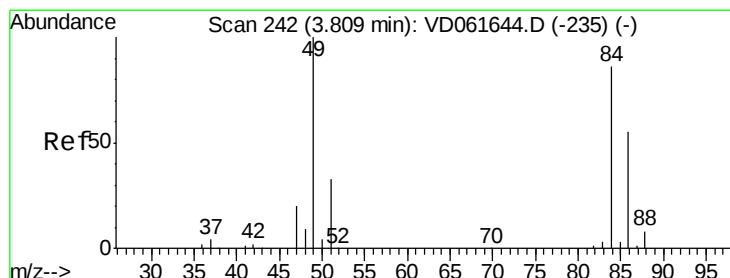
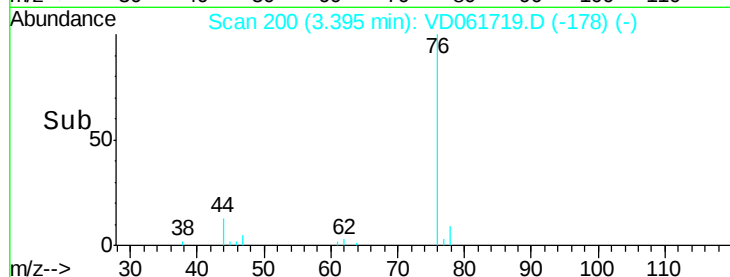
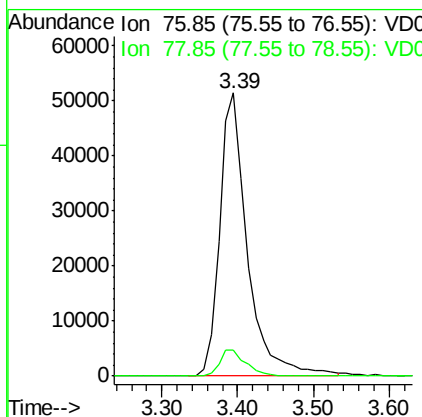
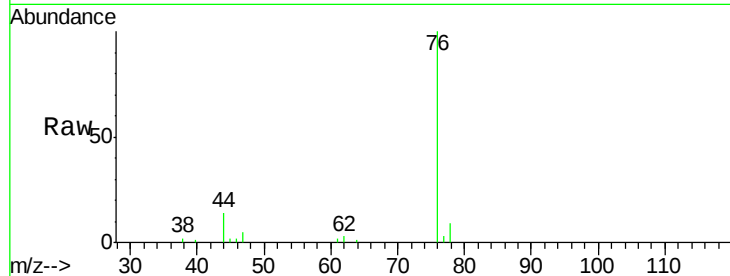




#17
Carbon Disulfide
Concen: 8.534 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.02 min
Lab File: VD061719.D
Acq: 10 Apr 2019 18:05

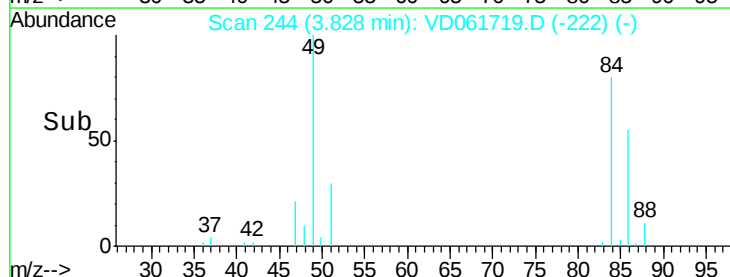
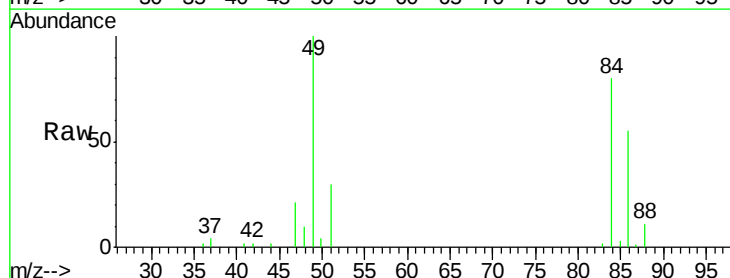
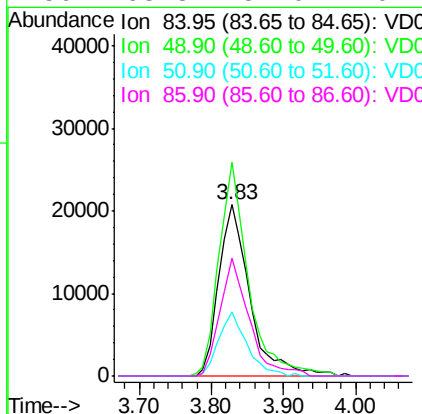
Instrument :
MSVOA_D
ClientSampleId :
20190175-AMND-COMP-CS-2RE

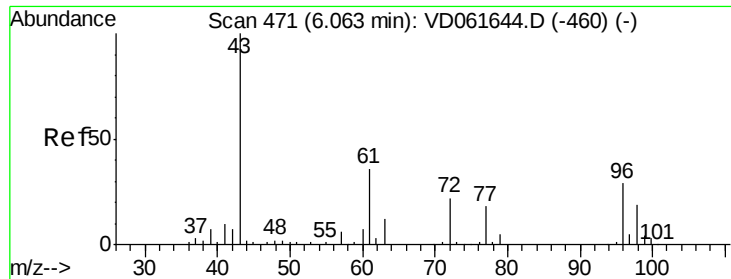
Tgt Ion: 76 Resp: 130486
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#20
Methylene Chloride
Concen: 10.664 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061719.D
Acq: 10 Apr 2019 18:05

Tgt Ion: 84 Resp: 61890
Ion Ratio Lower Upper
84 100
49 124.8 93.0 139.4
51 37.4 30.4 45.6
86 68.8 51.0 76.4





#25

2-Butanone

Concen: 11.783 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD061719.D

Acq: 10 Apr 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

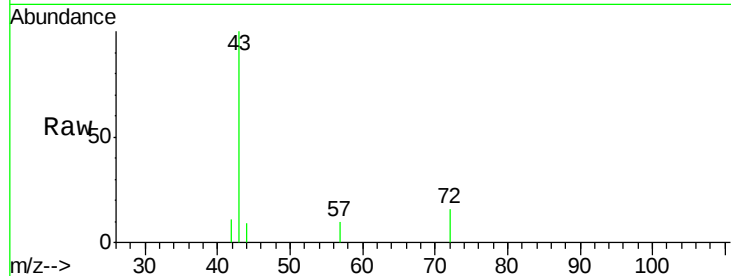
20190175-AMND-COMP-CS-2RE

Tgt Ion: 43 Resp: 13893

Ion Ratio Lower Upper

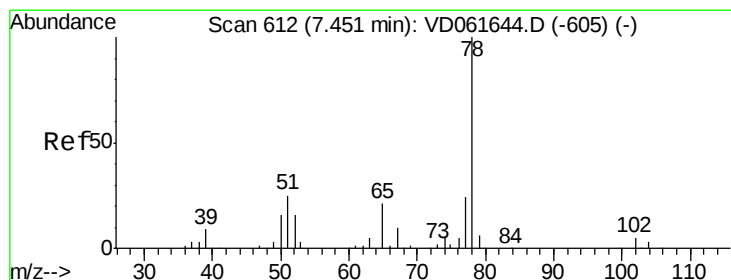
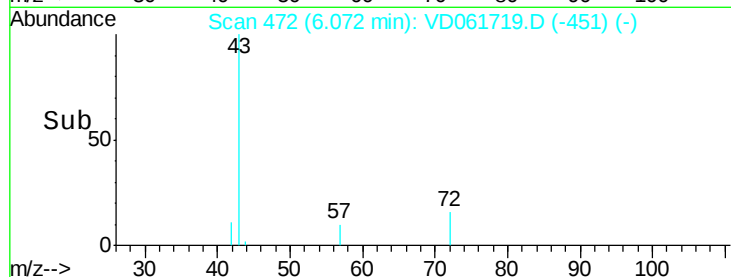
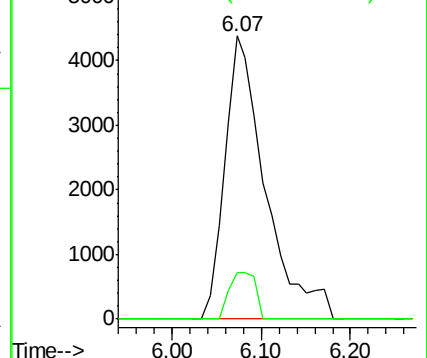
43 100

72 16.4 17.4 26.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.367 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061719.D

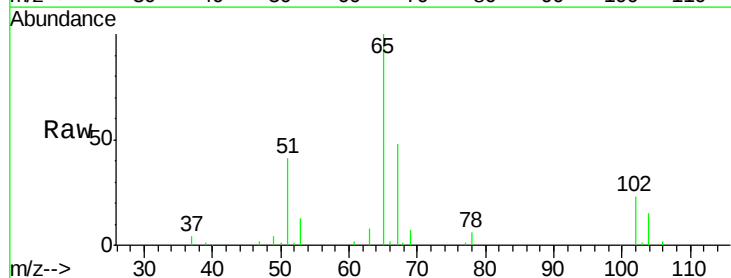
Acq: 10 Apr 2019 18:05

Tgt Ion: 65 Resp: 189434

Ion Ratio Lower Upper

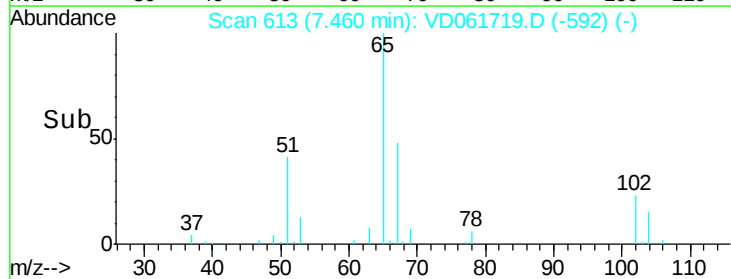
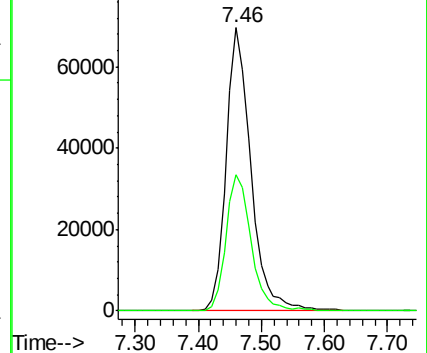
65 100

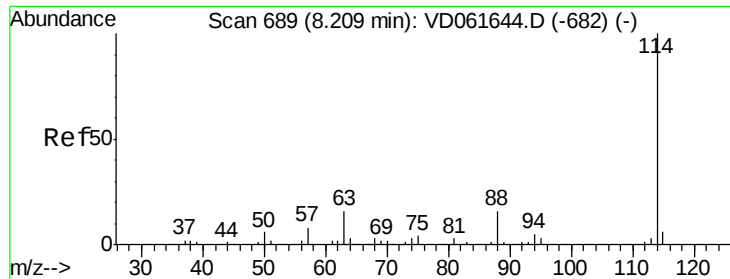
67 48.2 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

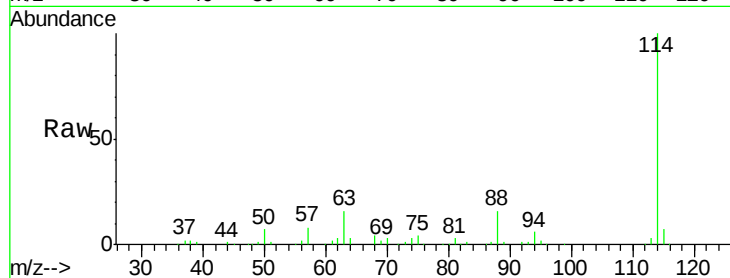




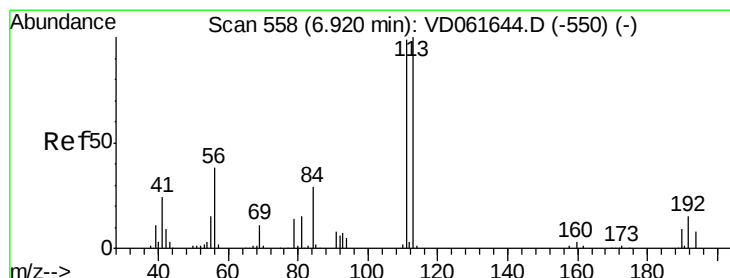
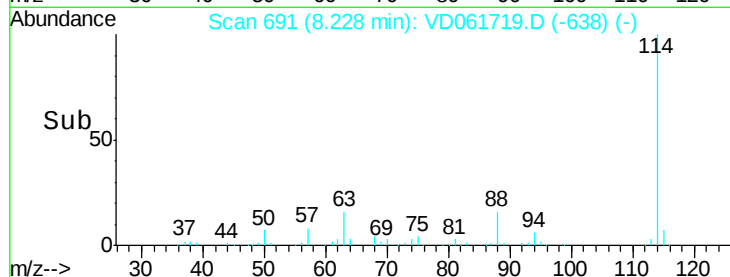
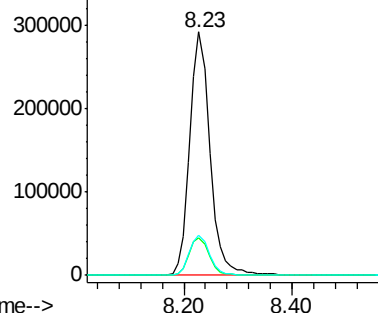
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD061719.D
 Acq: 10 Apr 2019 18:05

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Tgt Ion:114 Resp: 760041
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.2
 88 16.4 0.0 31.8

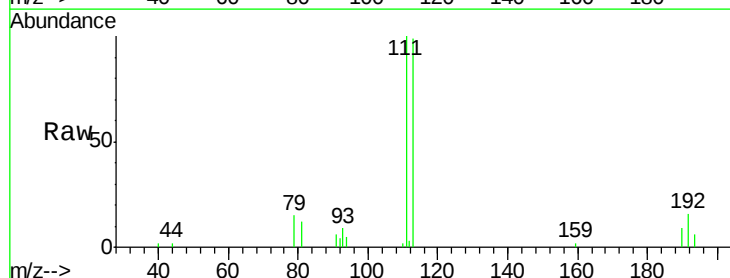


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

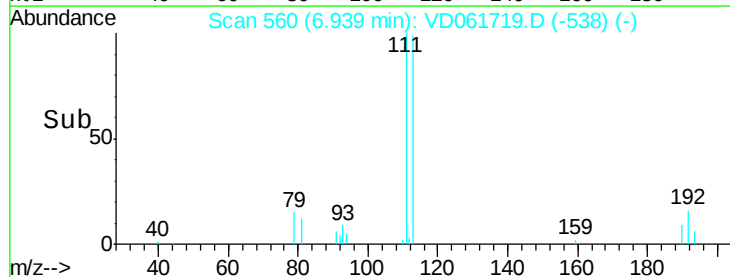
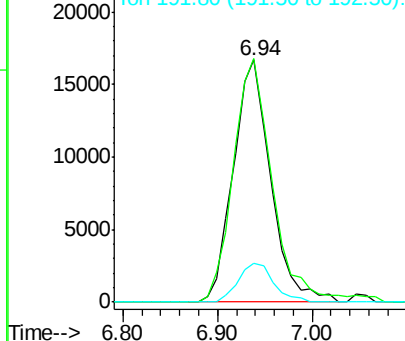


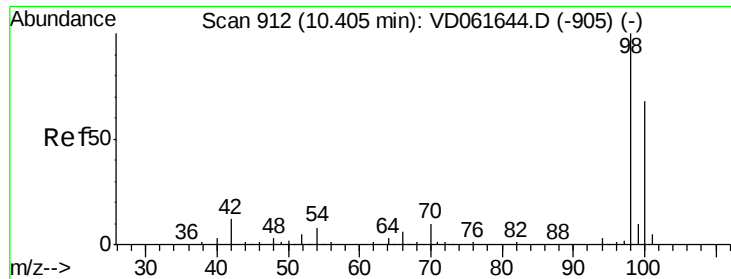
#35
 Dibromofluoromethane
 Concen: 8.696 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061719.D
 Acq: 10 Apr 2019 18:05

Tgt Ion:113 Resp: 45790
 Ion Ratio Lower Upper
 113 100
 111 100.6 79.3 118.9
 192 16.2 12.3 18.5



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

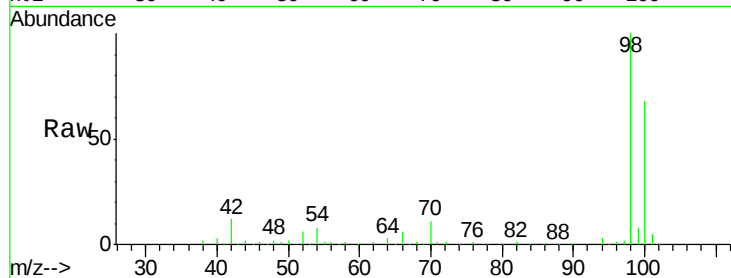




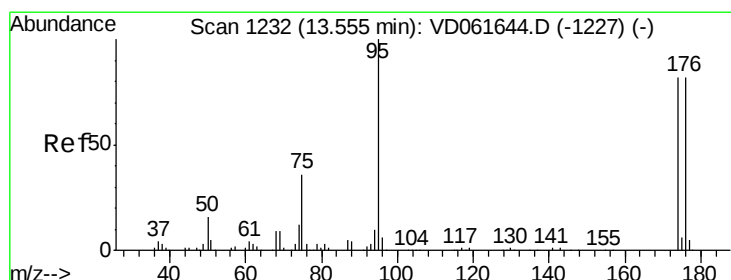
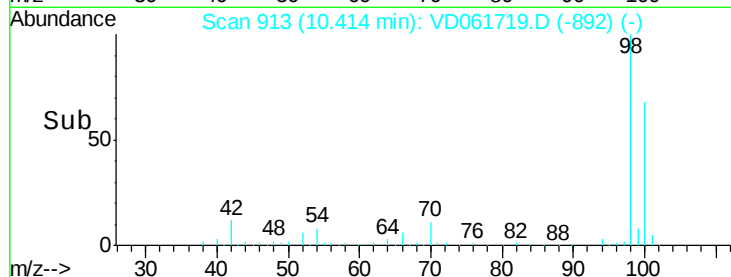
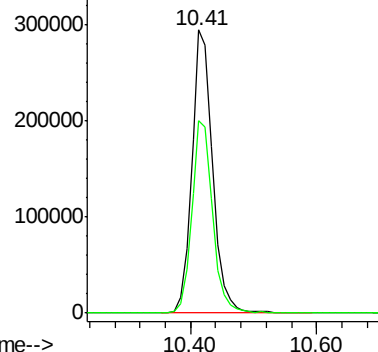
#50
Toluene-d8
Concen: 51.235 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061719.D
Acq: 10 Apr 2019 18:05

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ClientSampleId :
20190175-AMND-COMP-CS-2RE

Tgt Ion: 98 Resp: 677782
Ion Ratio Lower Upper
98 100
100 68.2 55.4 83.0

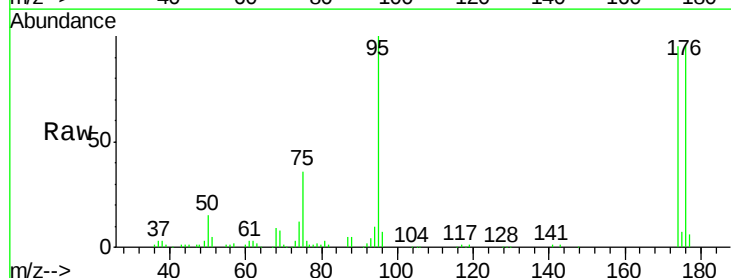


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

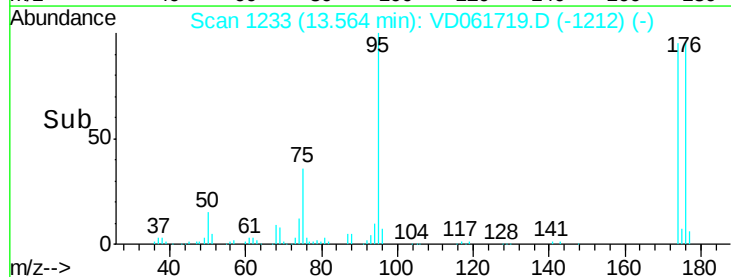
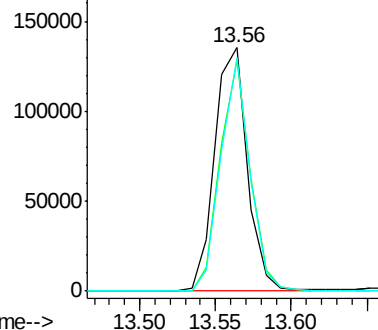


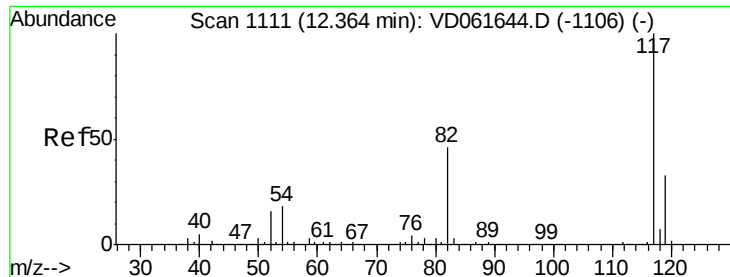
#62
4-Bromofluorobenzene
Concen: 42.280 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061719.D
Acq: 10 Apr 2019 18:05

Tgt Ion: 95 Resp: 203089
Ion Ratio Lower Upper
95 100
174 94.9 0.0 164.6
176 96.0 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

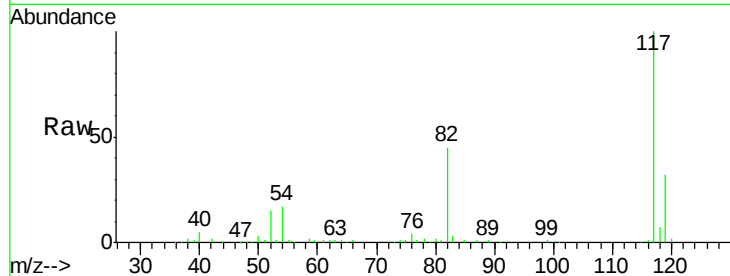




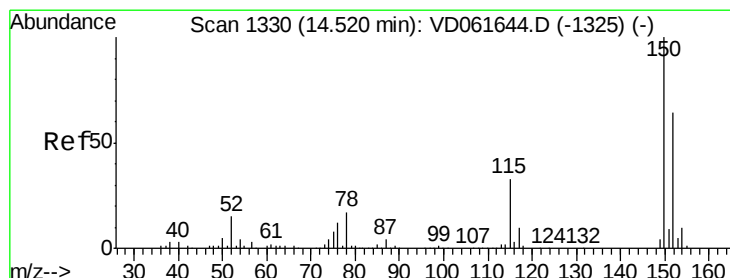
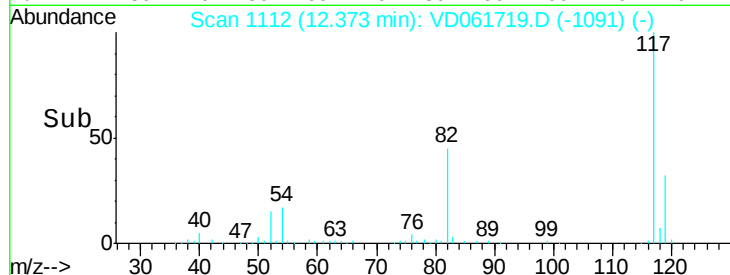
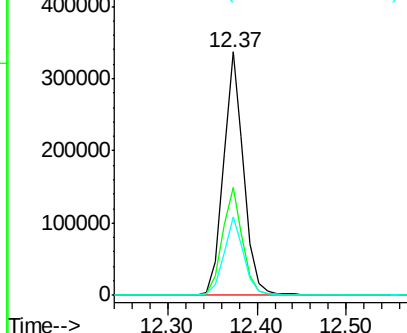
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061719.D
Acq: 10 Apr 2019 18:05

Instrument :
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Tgt Ion:117 Resp: 533743
Ion Ratio Lower Upper
117 100
82 44.5 36.8 55.2
119 32.2 26.1 39.1

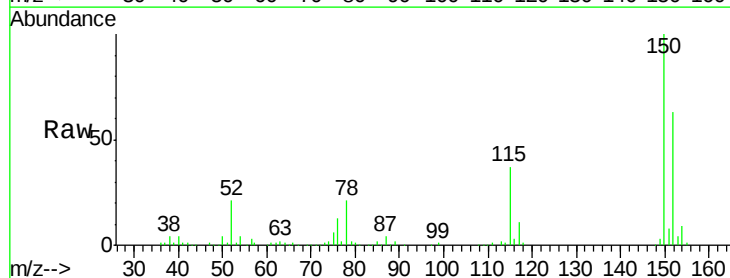


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

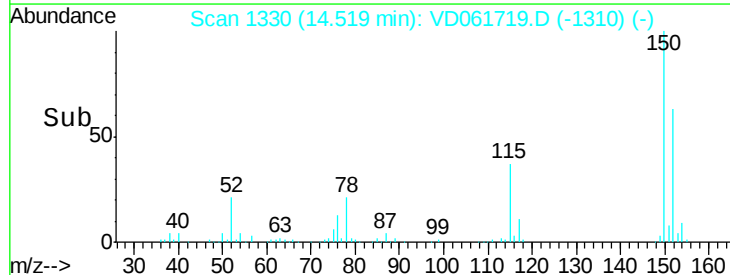
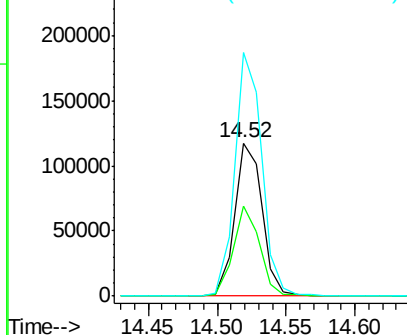


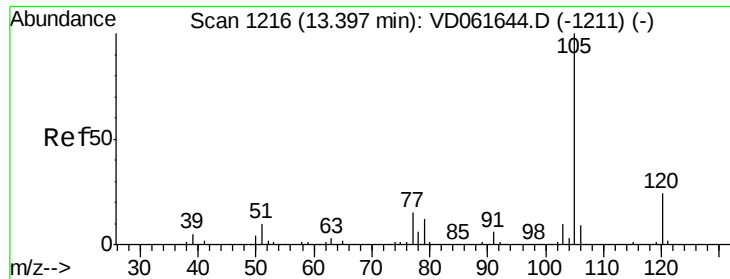
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061719.D
Acq: 10 Apr 2019 18:05

Tgt Ion:152 Resp: 163167
Ion Ratio Lower Upper
152 100
115 58.6 26.4 79.2
150 158.8 0.0 320.6



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: 3.393 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061719.D

Acq: 10 Apr 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

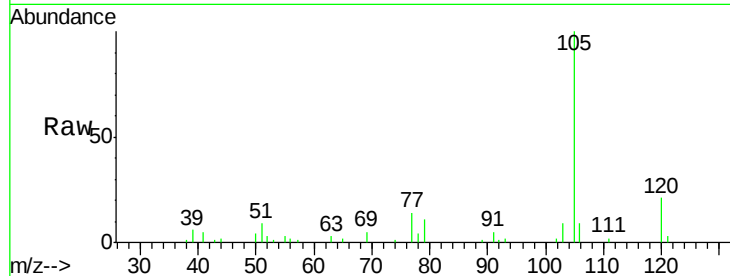
20190175-AMND-COMP-CS-2RE

Tgt Ion:105 Resp: 36887

Ion Ratio Lower Upper

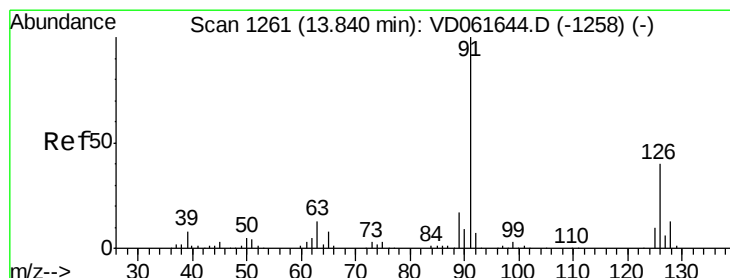
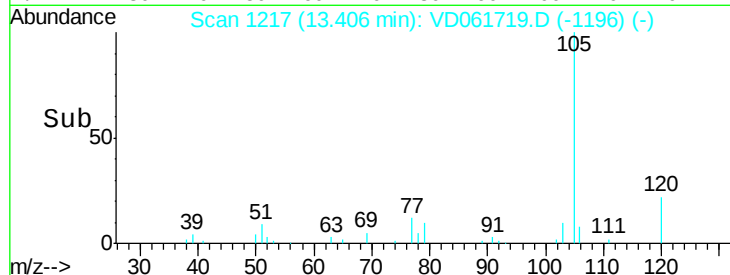
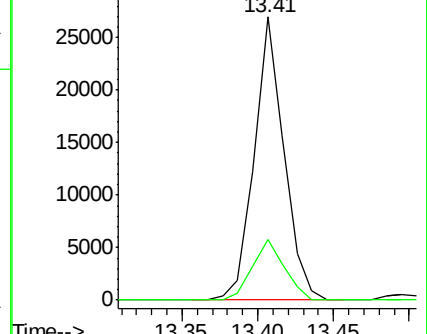
105 100

120 21.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 3.111 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061719.D

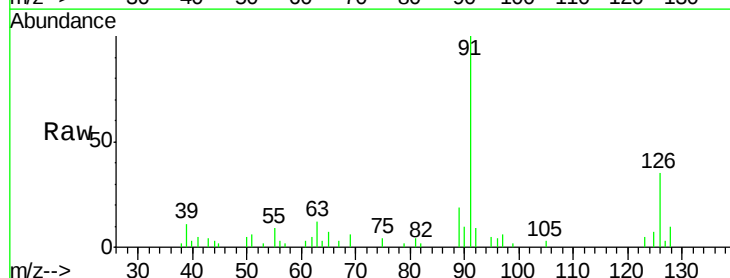
Acq: 10 Apr 2019 18:05

Tgt Ion: 91 Resp: 23140

Ion Ratio Lower Upper

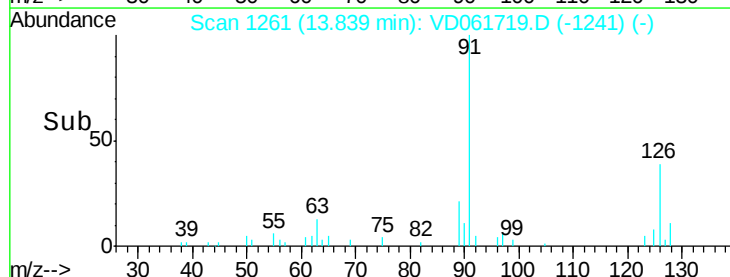
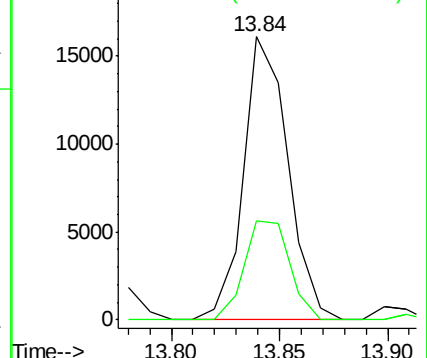
91 100

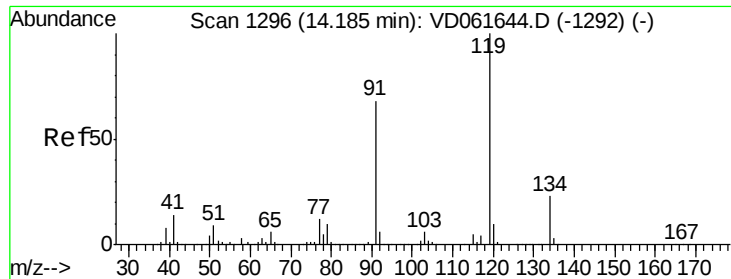
126 34.8 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

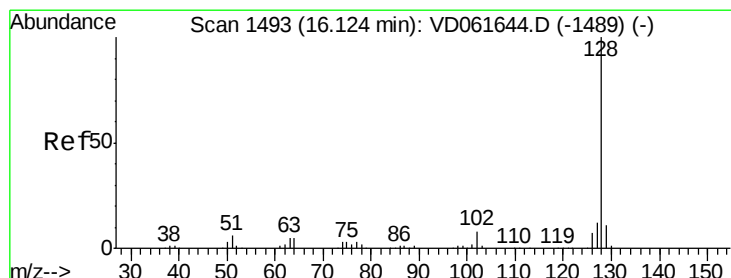
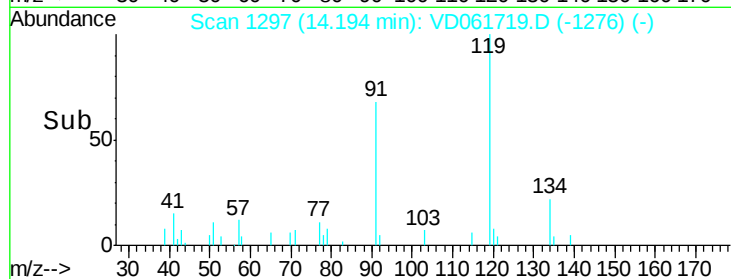
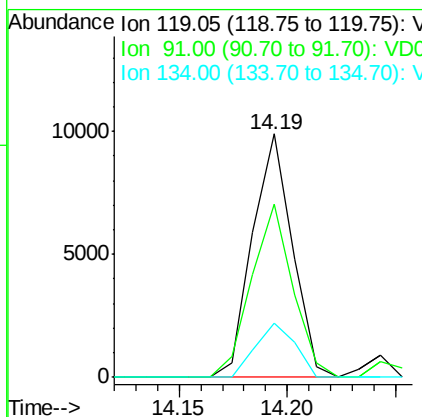
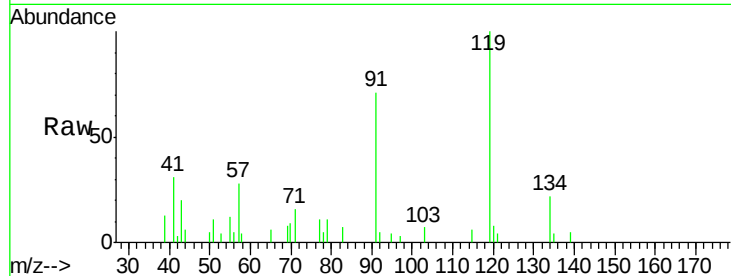




#83
 tert-Butylbenzene
 Concen: 1.230 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061719.D
 Acq: 10 Apr 2019 18:05

Instrument :
 MSVOA_D
 ClientSampleId :
 20190175-AMND-COMP-CS-2RE

Tgt Ion:	119	Resp:	12800
Ion	Ratio	Lower	Upper
119	100		
91	71.1	33.9	101.6
134	22.1	11.6	34.8



#95
 Naphthalene
 Concen: 1.536 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD061719.D
 Acq: 10 Apr 2019 18:05

Tgt Ion:	128	Resp:	5543
Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.4	14.2
129	11.9	8.8	13.2

