

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066238.D
 Acq On : 14 Aug 2020 15:58
 Operator : VA/SY
 Sample : L3679-08
 Misc : 8.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S416-K-SO-2-2.5-081220

Quant Time: Aug 17 08:45:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

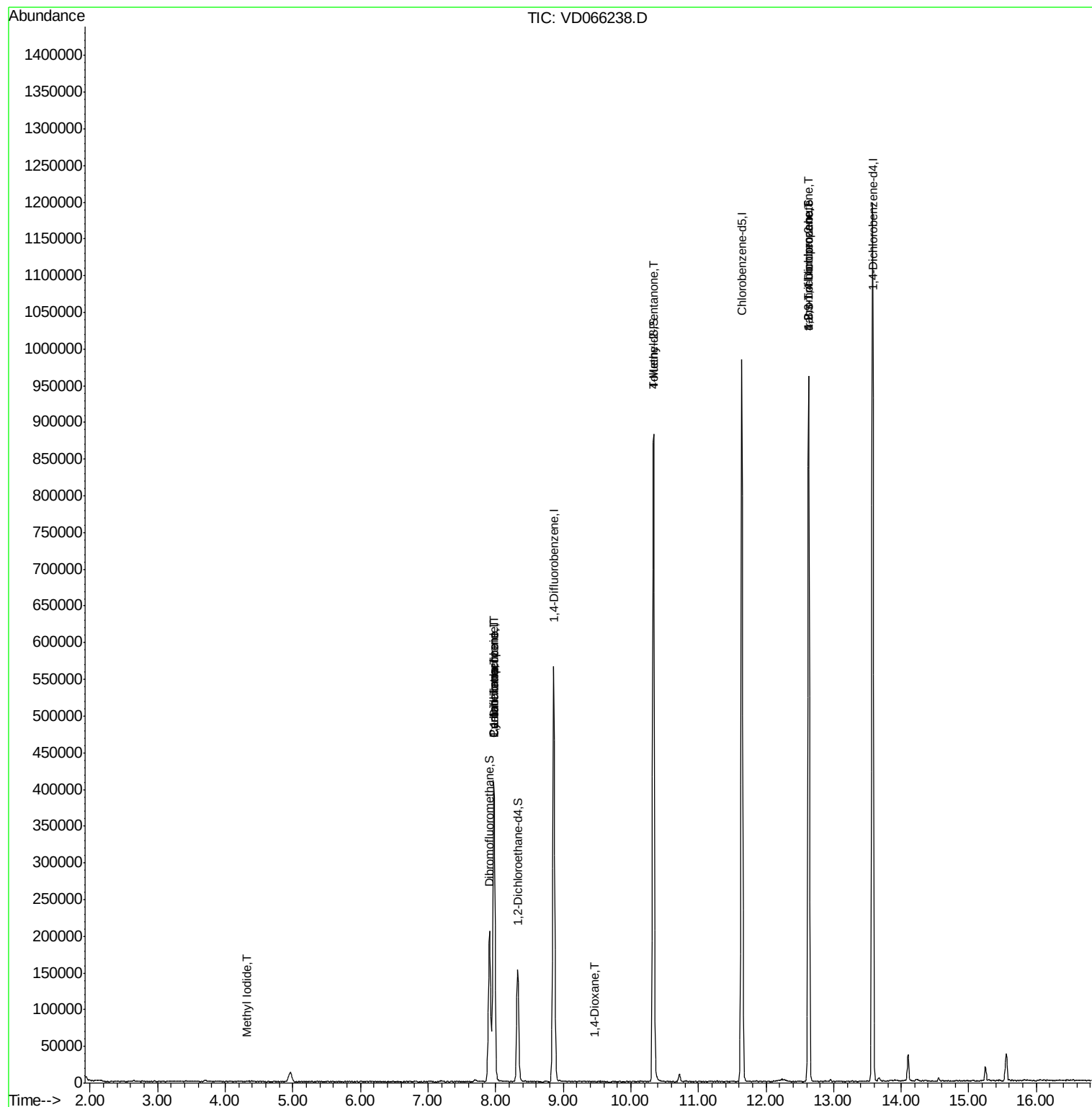
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	319338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	494513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	596410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335685	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	125994	44.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	88.44%	
35) Dibromofluoromethane	7.91	113	144966	46.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.56%	
50) Toluene-d8	10.34	98	608624	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.63	95	295429	70.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	141.80%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.33	142	70	6.733	ug/l #	39
11) Tert butyl alcohol	5.22	59	169	Below Cal	#	76
20) Methylene Chloride	4.97	84	10888	Below Cal		94
31) Cyclohexane	7.97	56	5923	1.187	ug/l #	40
36) 1,1-Dichloropropene	7.97	75	22015	4.738	ug/l #	50
38) Carbon Tetrachloride	7.97	117	29703	5.732	ug/l #	15
49) 1,4-Dioxane	9.47	88	60	2.689	ug/l #	26
51) 4-Methyl-2-Pentanone	10.33	43	2575	1.382	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	152292	54.402	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	152292	120.259	ug/l #	13

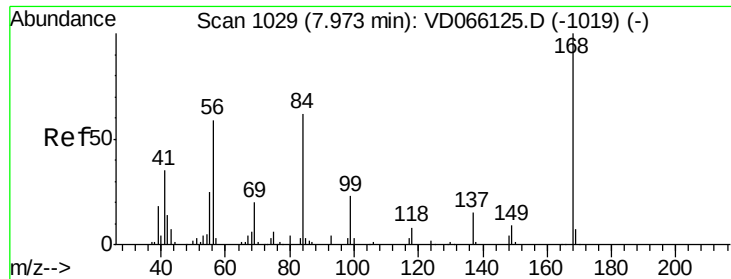
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
Data File : VD066238.D
Acq On : 14 Aug 2020 15:58
Operator : VA/SY
Sample : L3679-08
Misc : 8.55G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S416-K-SO-2-2.5-081220

Quant Time: Aug 17 08:45:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066238.D

Acq: 14 Aug 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

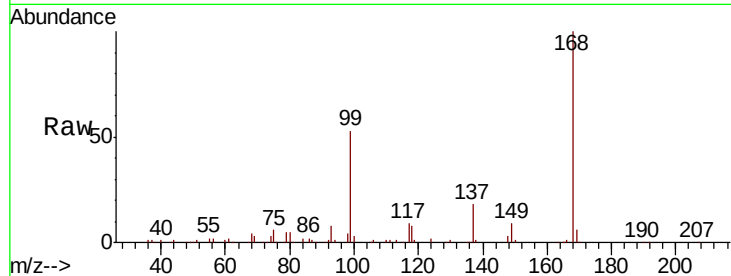
S416-K-SO-2-2.5-081220

Tot Ion:168 Resp: 319338

Ion Ratio Lower Upper

168 100

99 52.8 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

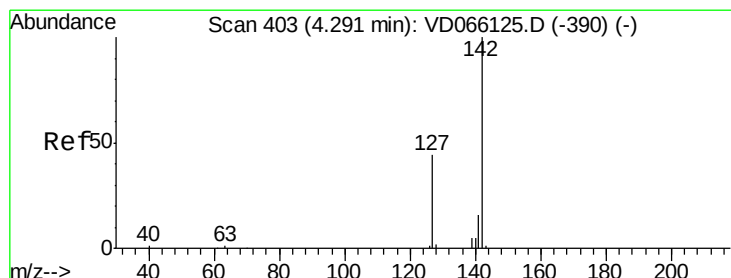
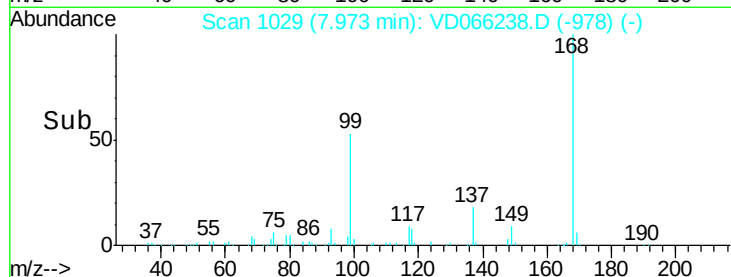
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 6.733 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.04 min

Lab File: VD066238.D

Acq: 14 Aug 2020 15:58

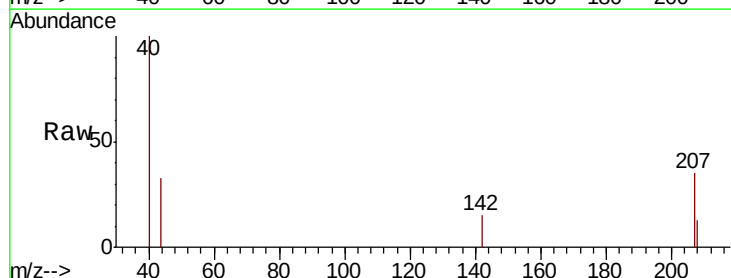
Tgt Ion:142 Resp: 70

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.33

250

200

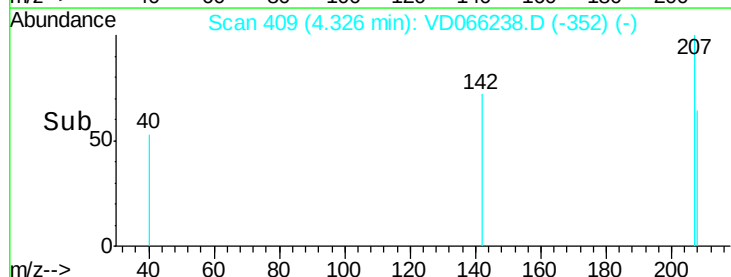
150

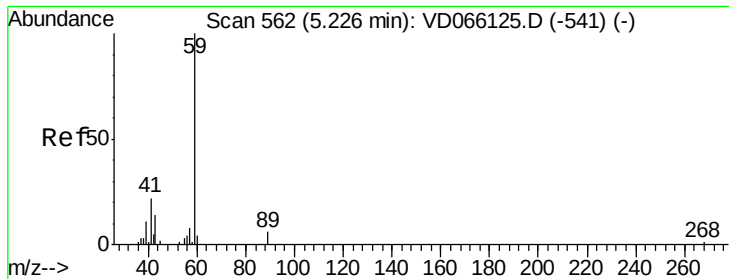
100

50

0

Time-->



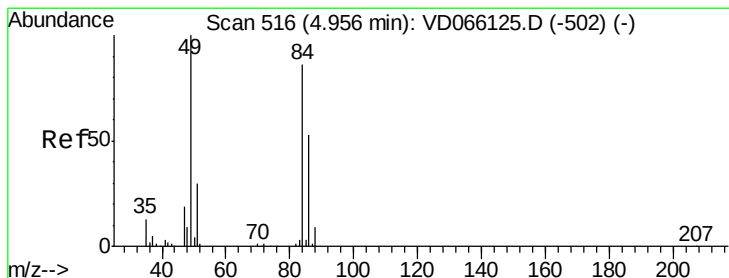
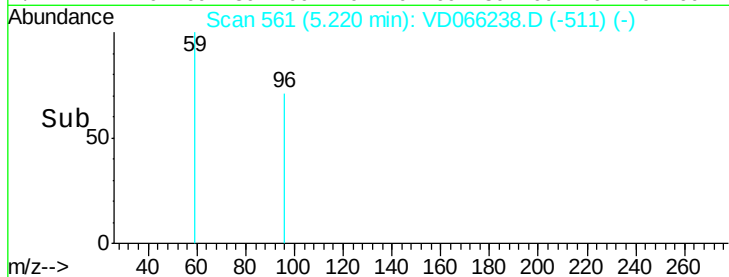
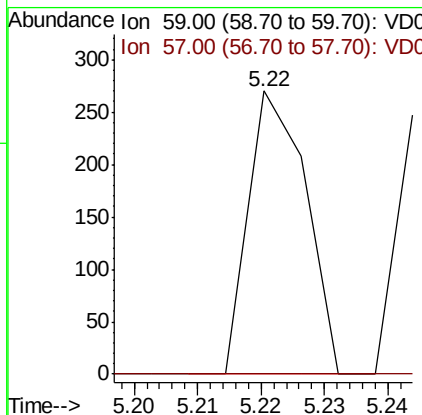
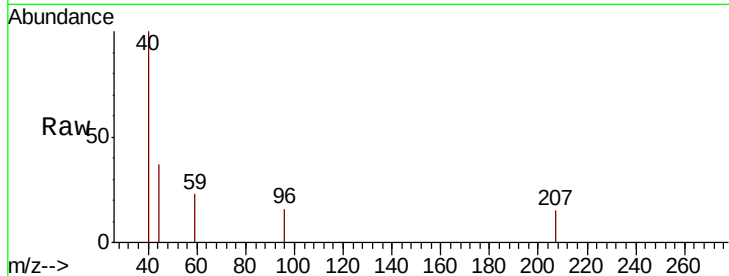


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066238.D
Acq: 14 Aug 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
S416-K-SO-2-2.5-081220

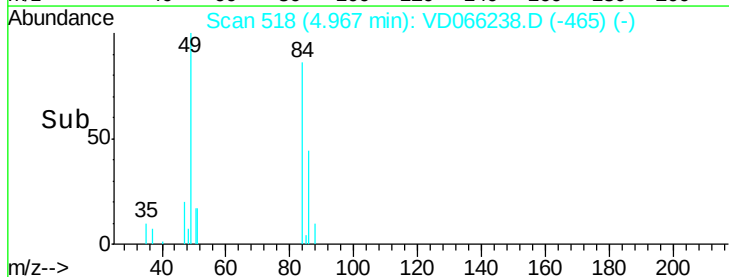
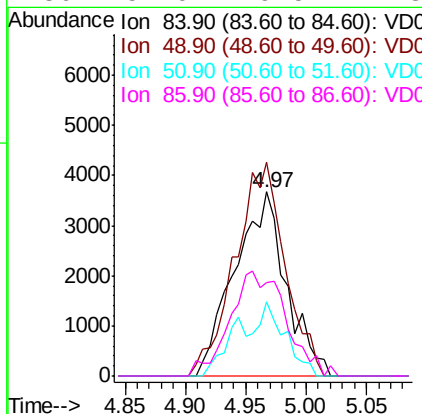
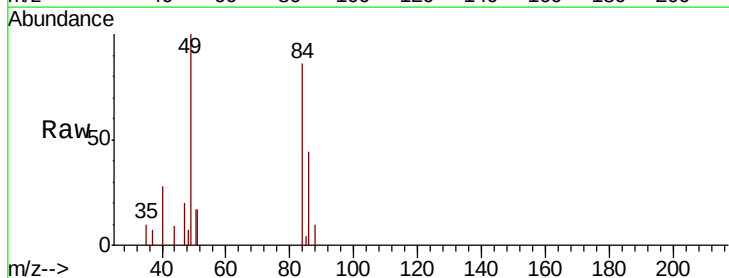
Tot Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

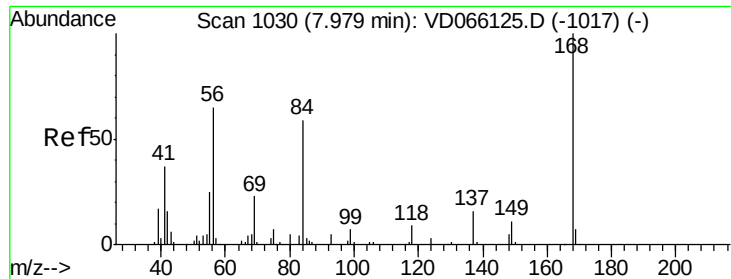


#20

Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066238.D
Acq: 14 Aug 2020 15:58

Tgt Ion: 84 Resp: 10888
Ion Ratio Lower Upper
84 100
49 115.9 93.5 140.3
51 40.1 28.2 42.4
86 51.0 49.5 74.3

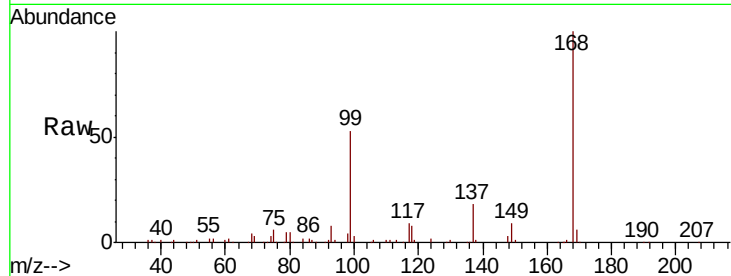




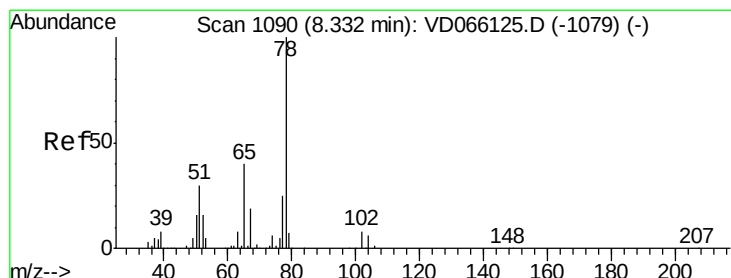
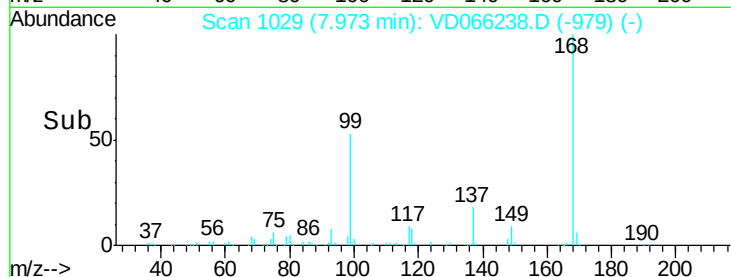
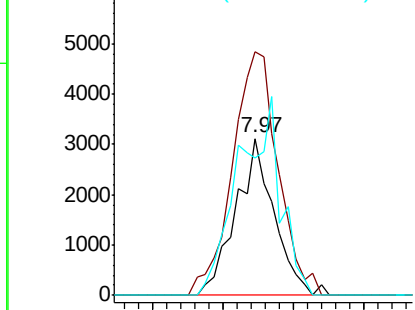
#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066238.D
Acq: 14 Aug 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
S416-K-SO-2-2.5-081220

Tot Ion: 56 Resp: 5923
Ion Ratio Lower Upper
56 100
69 155.3 28.8 43.2#
84 87.8 73.0 109.6

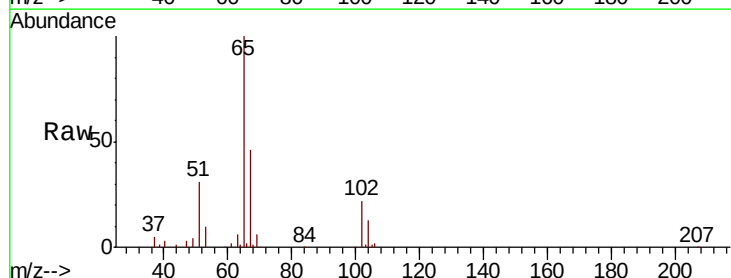


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

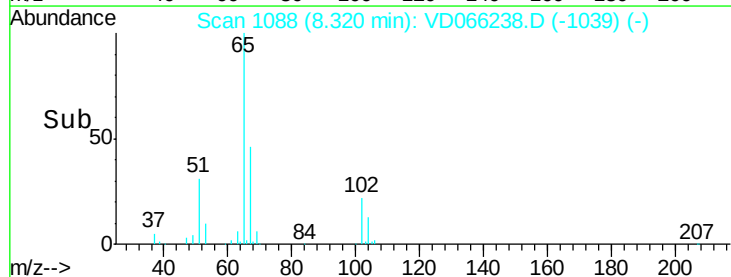
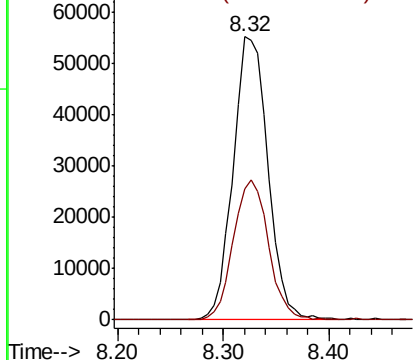


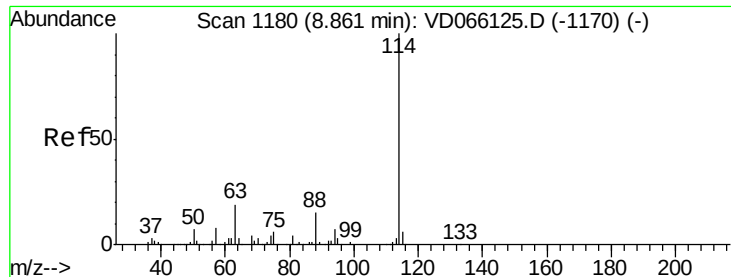
#33
1,2-Dichloroethane-d4
Concen: 44.224 ug/l
RT: 8.32 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VD066238.D
Acq: 14 Aug 2020 15:58

Tgt Ion: 65 Resp: 125994
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

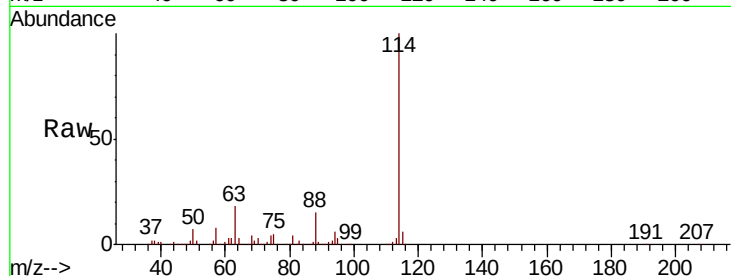




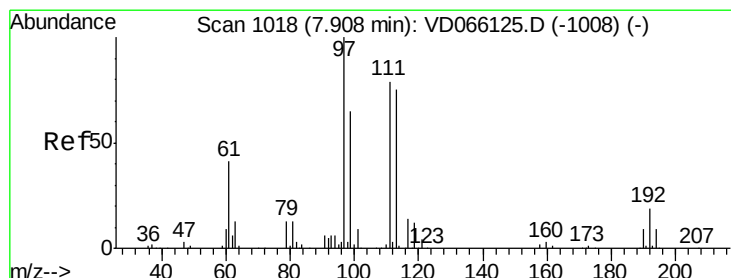
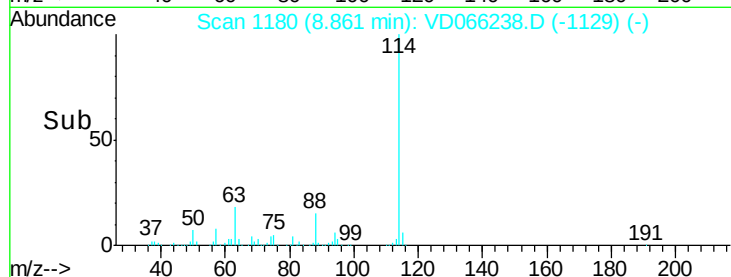
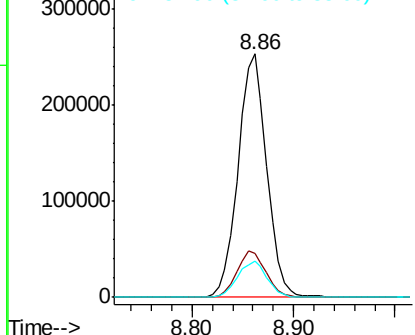
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066238.D
 Acq: 14 Aug 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 S416-K-SO-2-2.5-081220

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.6
88	15.1	0.0	30.0

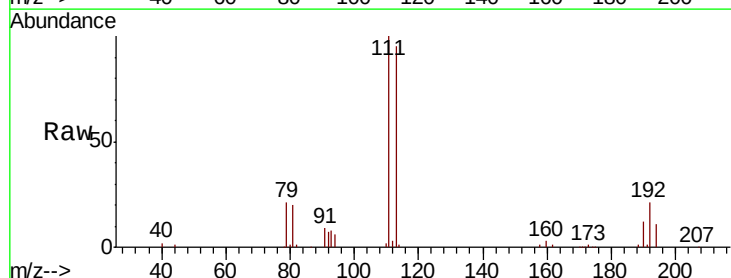


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

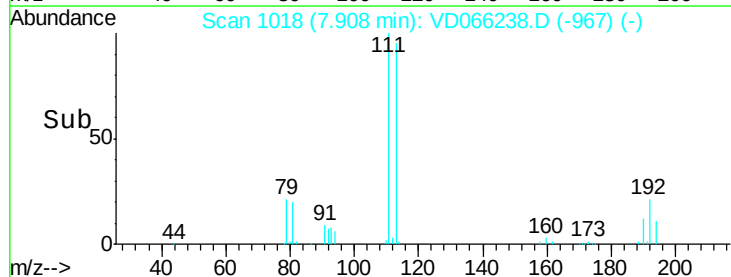
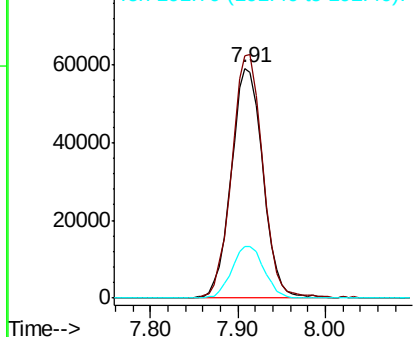


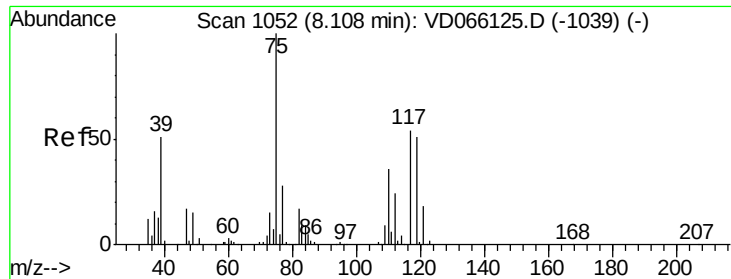
#35
 Dibromofluoromethane
 Concen: 46.275 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066238.D
 Acq: 14 Aug 2020 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.7	121.1
192	23.0	18.4	27.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.738 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066238.D

Acq: 14 Aug 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

S416-K-SO-2-2.5-081220

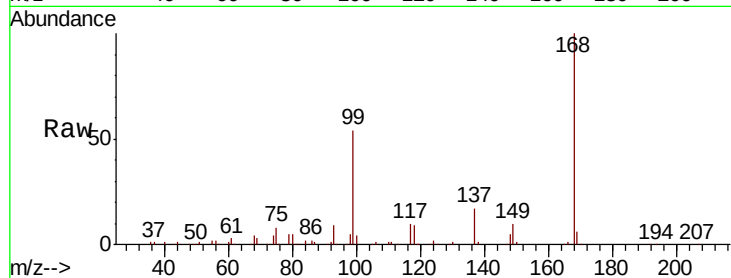
Tot Ion: 75 Resp: 22015

Ion Ratio Lower Upper

75 100

110 10.6 18.8 56.3#

77 0.0 24.2 36.2#

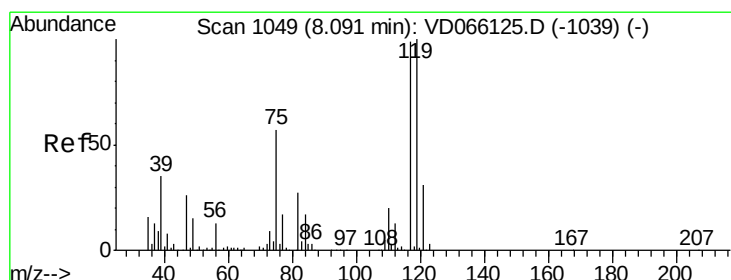
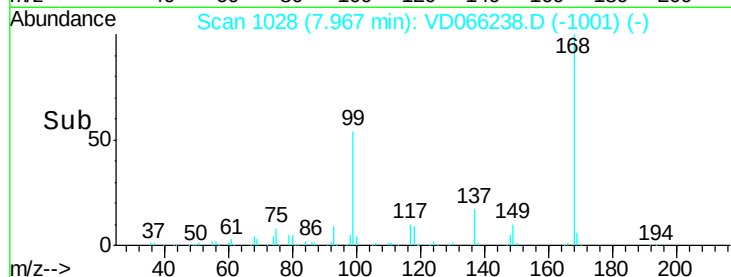


Abundance Ion 74.90 (74.60 to 75.60): VD066238.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066238.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066238.D (-998) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.732 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066238.D

Acq: 14 Aug 2020 15:58

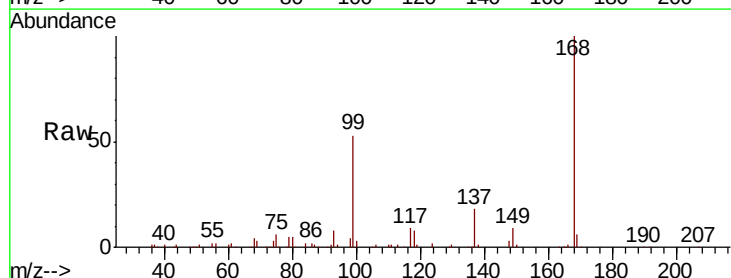
Tgt Ion: 117 Resp: 29703

Ion Ratio Lower Upper

117 100

119 7.1 81.0 121.4#

121 0.0 24.8 37.2#

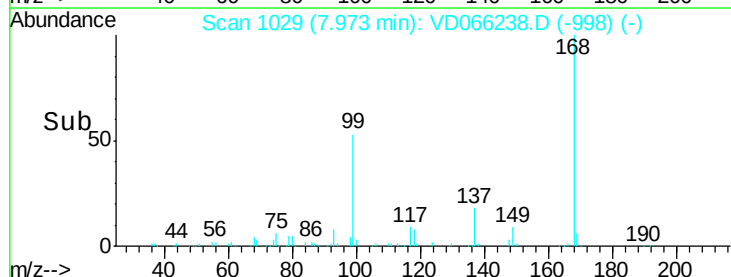


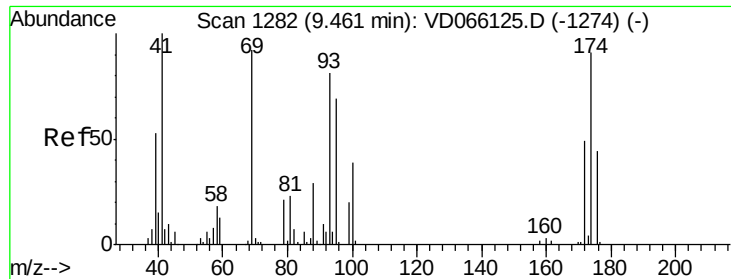
Abundance Ion 116.80 (116.50 to 117.50): VD066238.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066238.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066238.D (-998) (-)

Time-->

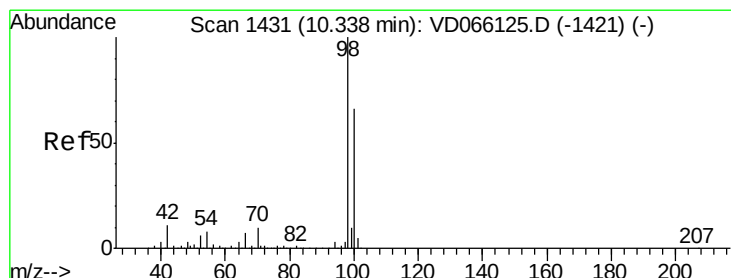
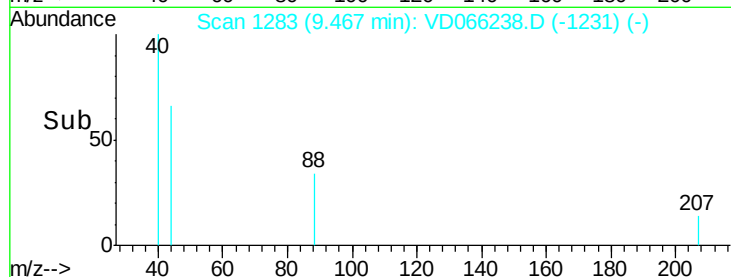
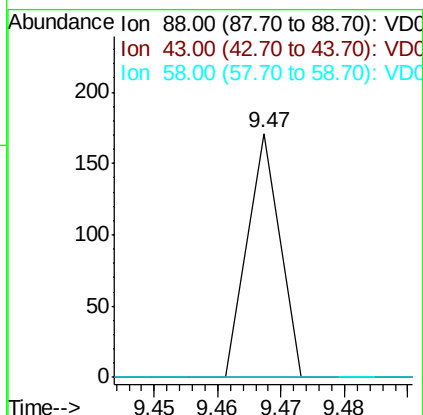
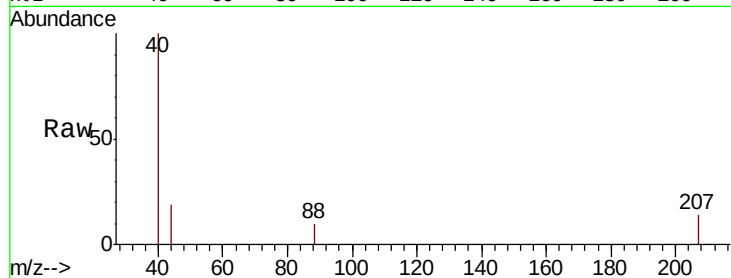




#49
 1,4-Dioxane
 Concen: 2.689 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD066238.D
 Acq: 14 Aug 2020 15:58

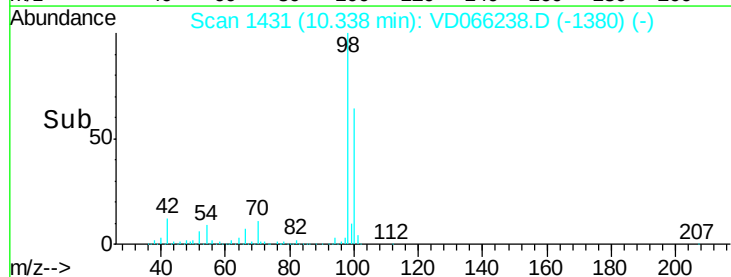
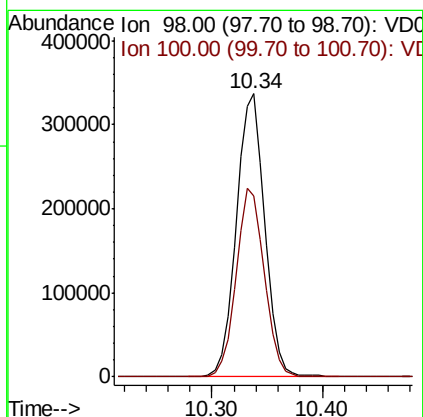
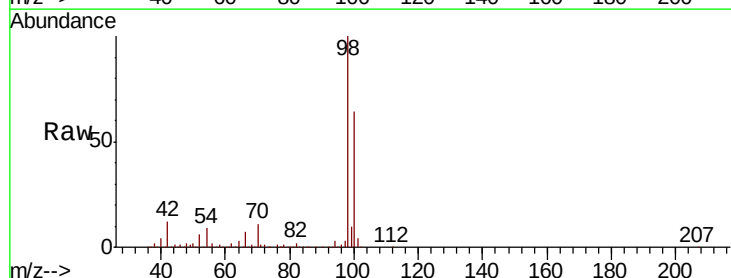
Instrument :
 MSVOA_D
 ClientSampleId :
 S416-K-SO-2-2.5-081220

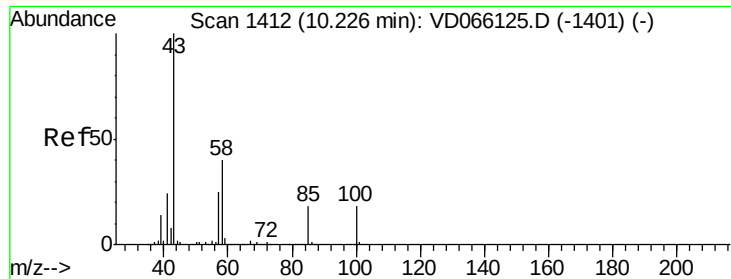
Tot Ion: 88 Resp: 60
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.5 41.3#
 58 0.0 50.2 75.4#



#50
 Toluene-d8
 Concen: 52.647 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066238.D
 Acq: 14 Aug 2020 15:58

Tgt Ion: 98 Resp: 608624
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.382 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066238.D

Acq: 14 Aug 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

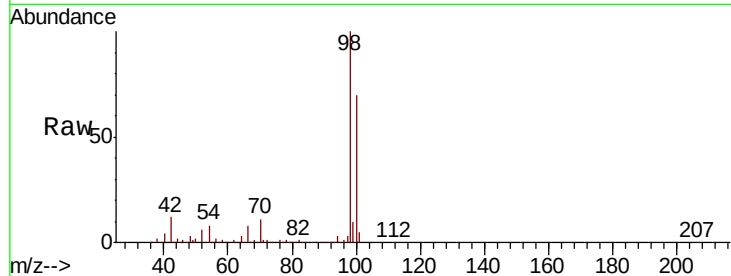
S416-K-SO-2-2.5-081220

Tot Ion: 43 Resp: 2575

Ion Ratio Lower Upper

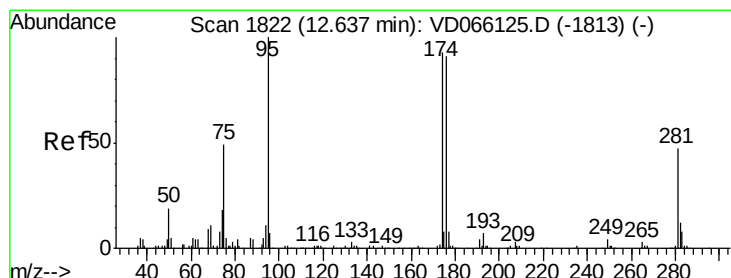
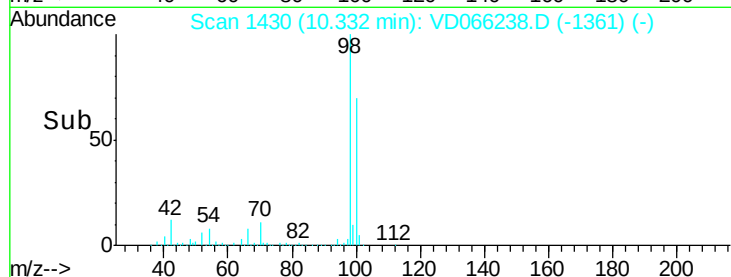
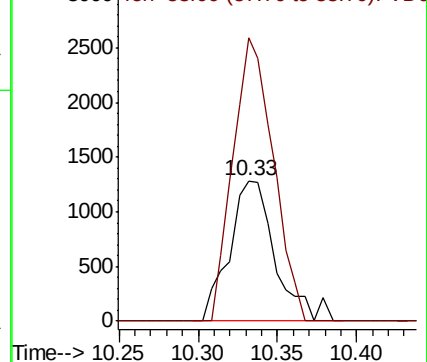
43 100

58 177.9 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 70.896 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066238.D

Acq: 14 Aug 2020 15:58

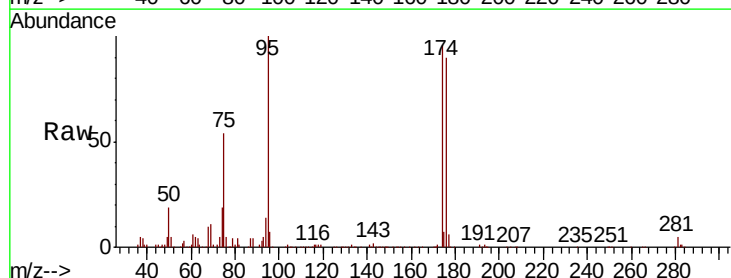
Tgt Ion: 95 Resp: 295429

Ion Ratio Lower Upper

95 100

174 92.5 0.0 180.8

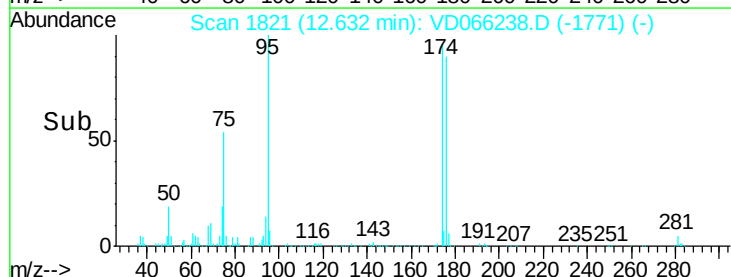
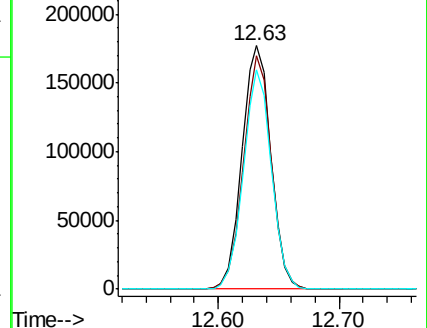
176 87.2 0.0 181.2

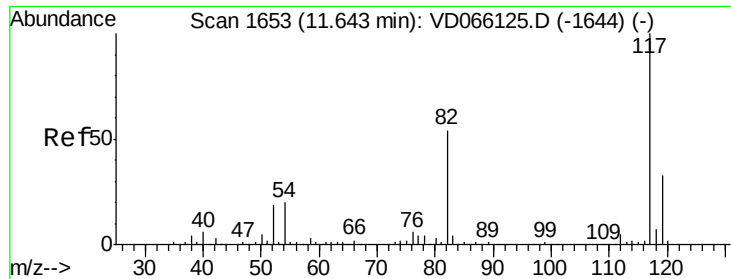


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

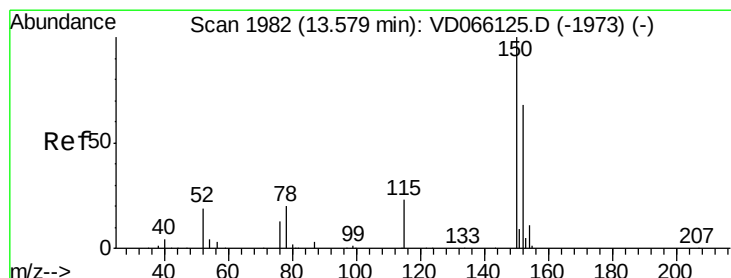
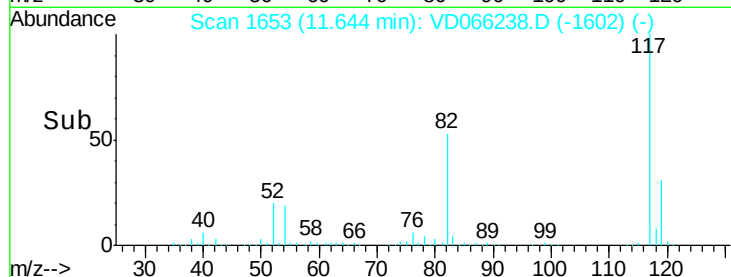
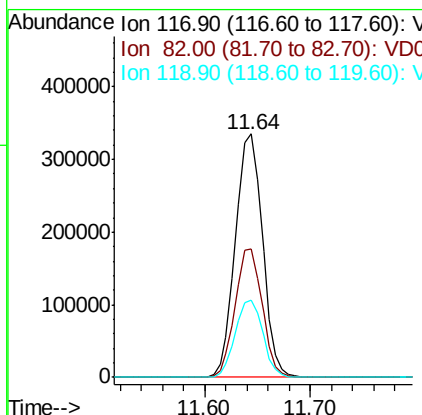
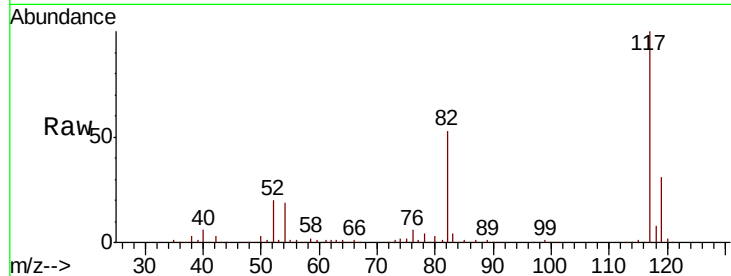




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066238.D
Acq: 14 Aug 2020 15:58

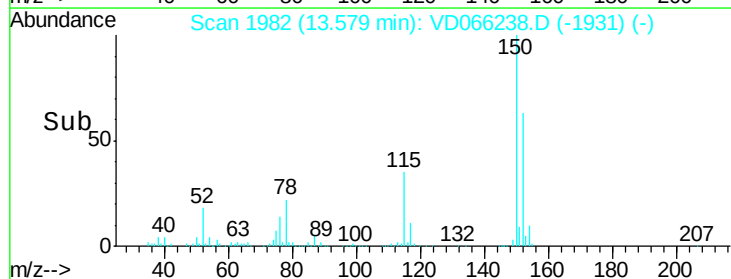
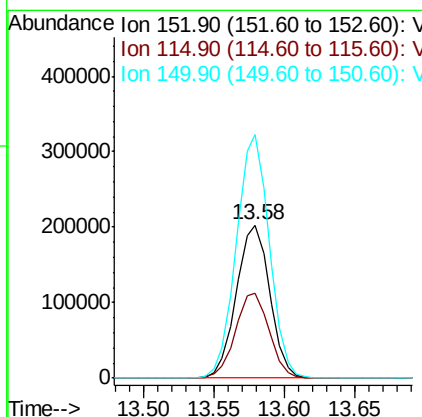
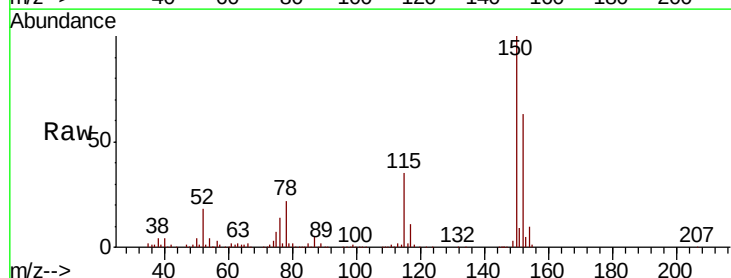
Instrument :
MSVOA_D
ClientSampleId :
S416-K-SO-2-2.5-081220

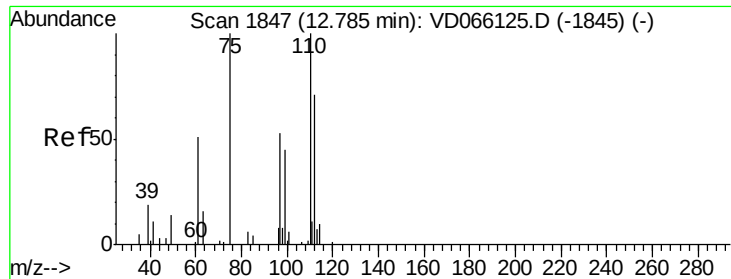
Tot Ion:117 Resp: 596410
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066238.D
Acq: 14 Aug 2020 15:58

Tgt Ion:152 Resp: 335685
Ion Ratio Lower Upper
152 100
115 55.7 28.0 83.9
150 156.5 0.0 346.4

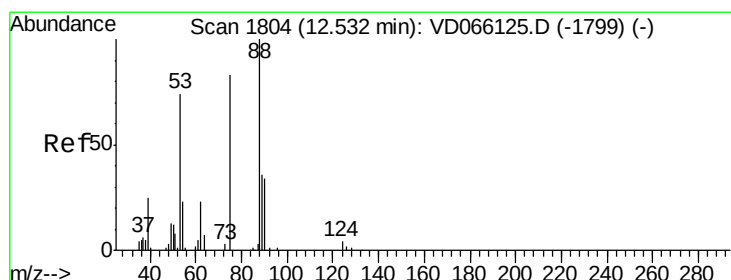
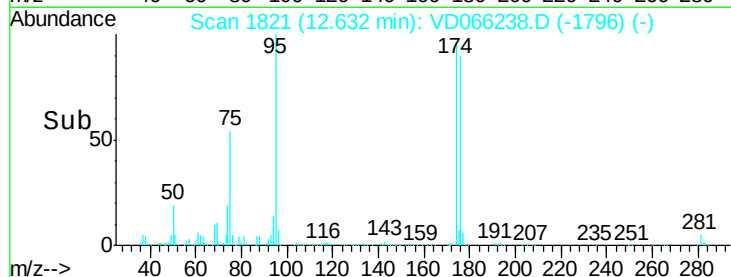
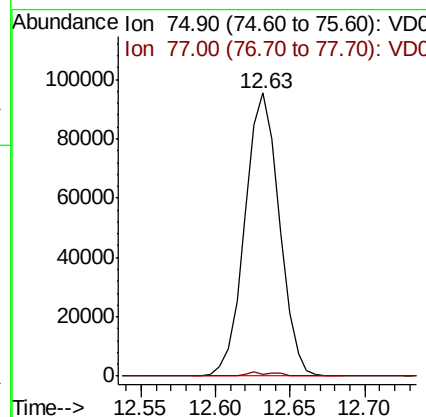
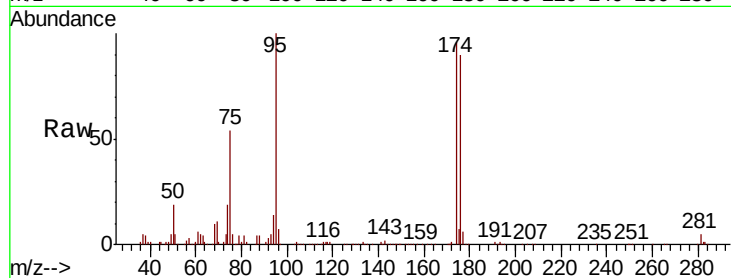




#76
 1,2,3-Trichloropropane
 Concen: 54.402 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066238.D
 Acq: 14 Aug 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 S416-K-SO-2-2.5-081220

Tot Ion: 75 Resp: 152292
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.259 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066238.D
 Acq: 14 Aug 2020 15:58

Tgt Ion: 75 Resp: 152292
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.0 36.6 55.0#

