

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066235.D
 Acq On : 14 Aug 2020 14:35
 Operator : VA/SY
 Sample : L3679-05
 Misc : 8.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S415-K-SO-1-1.5-081220

Quant Time: Aug 17 08:44:45 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	341556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	526778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	641467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361863	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	134942	44.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.56%	
35) Dibromofluoromethane	7.91	113	155169	46.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.00%	
50) Toluene-d8	10.34	98	662688	53.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.63	95	314928	70.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	141.90%	

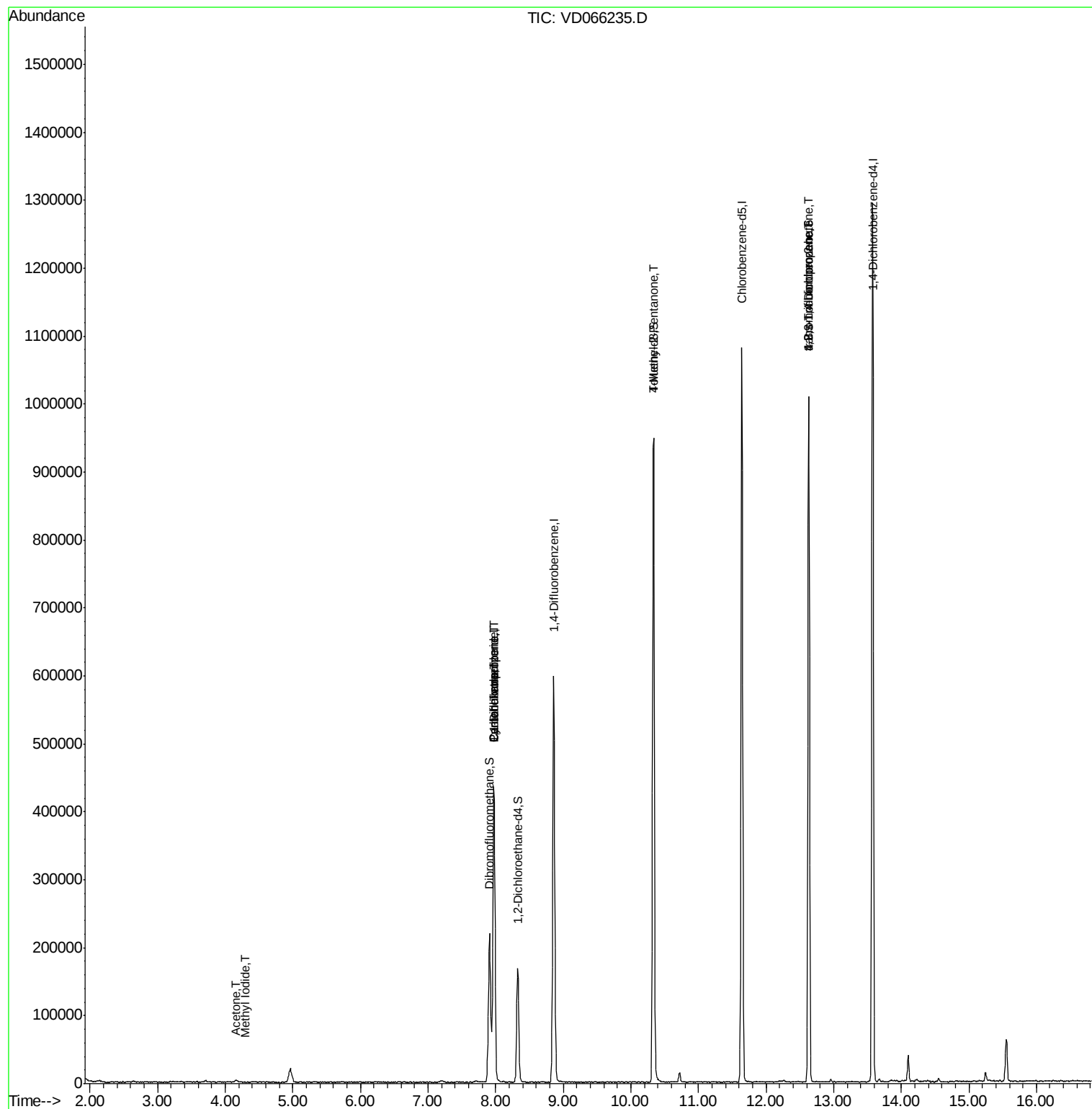
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	65	6.730	ug/l #	39
11) Tert butyl alcohol	5.23	59	227	Below Cal	#	76
16) Acetone	4.15	43	5558	9.613	ug/l #	85
20) Methylene Chloride	4.97	84	14914	Below Cal		92
31) Cyclohexane	7.97	56	6566	1.230	ug/l #	32
36) 1,1-Dichloropropene	7.98	75	23682	4.784	ug/l #	43
38) Carbon Tetrachloride	7.98	117	32504	5.888	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2982	1.502	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	159278	52.782	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	159278	116.677	ug/l #	13

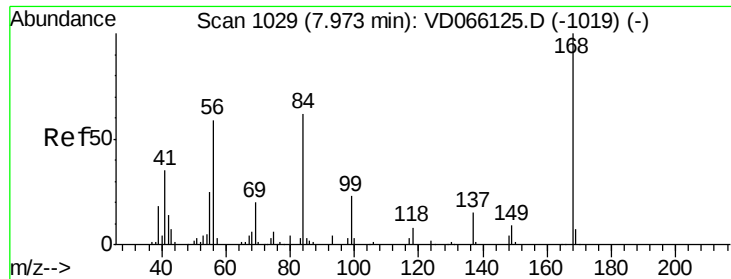
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
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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: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

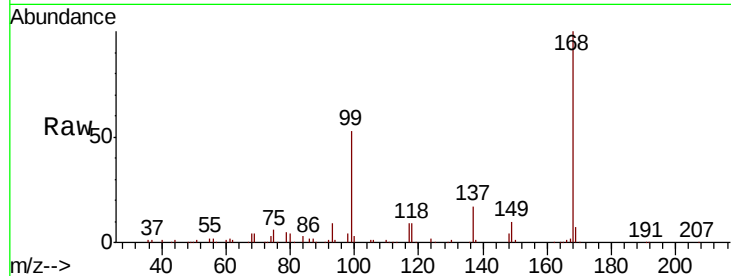
S415-K-SO-1-1.5-081220

Tot Ion:168 Resp: 341556

Ion Ratio Lower Upper

168 100

99 52.9 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

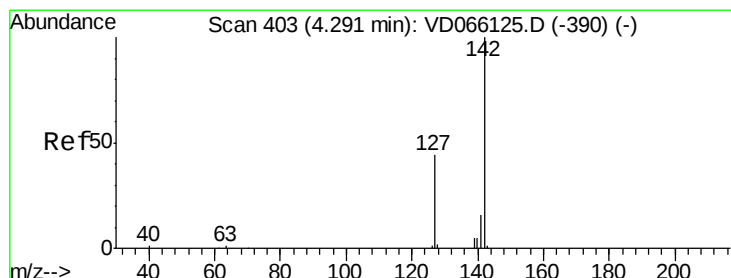
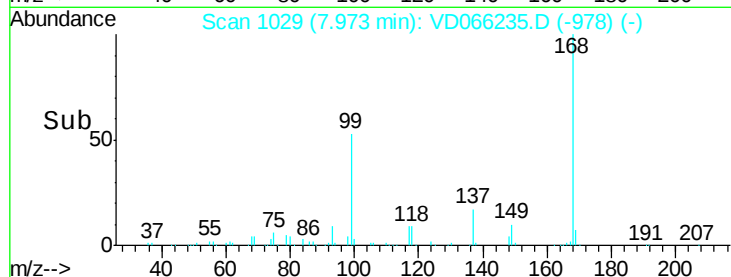
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 6.730 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

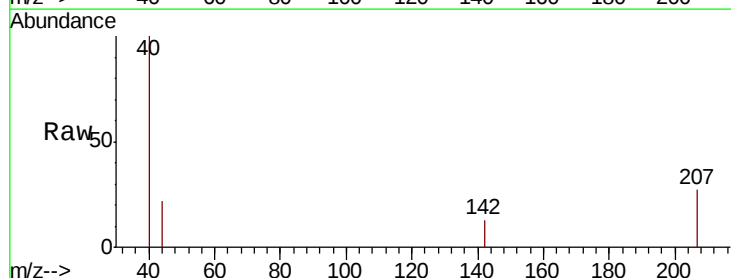
Tgt Ion:142 Resp: 65

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

250

200

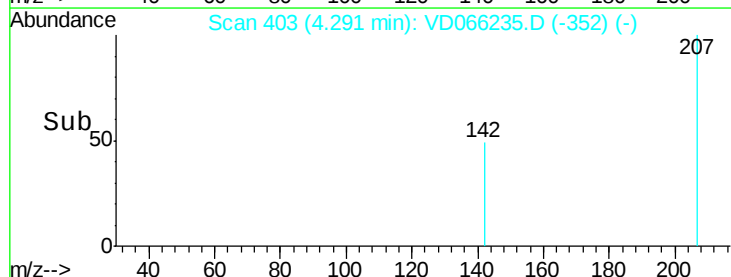
150

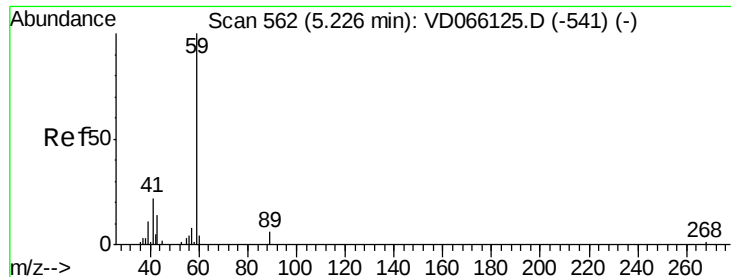
100

50

0

Time-->



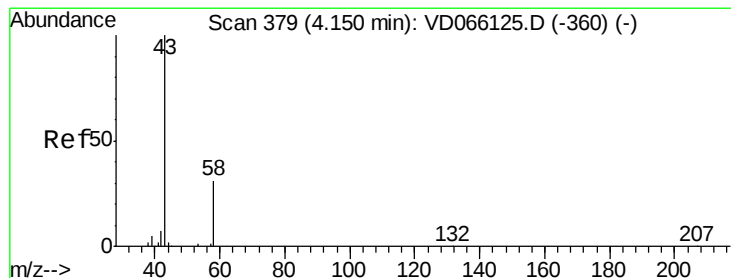
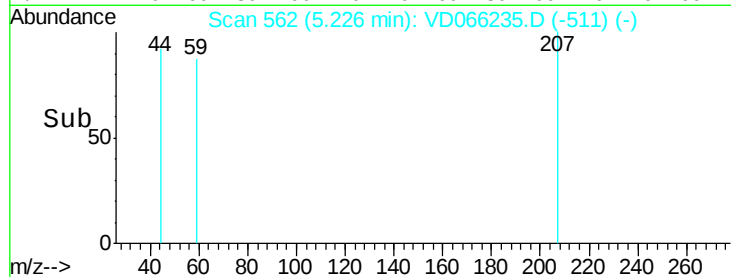
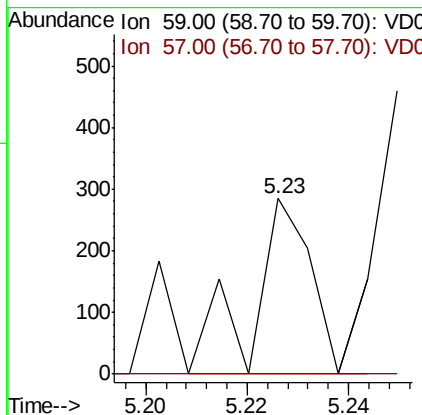
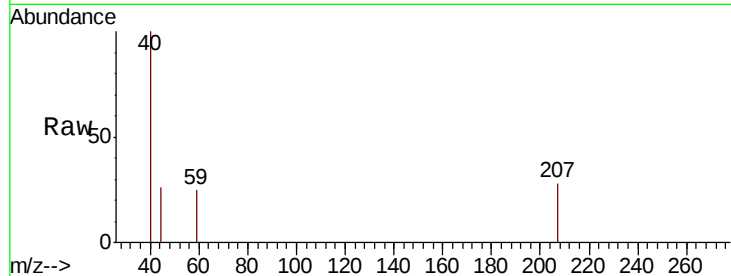


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066235.D
 Acq: 14 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 S415-K-SO-1-1.5-081220

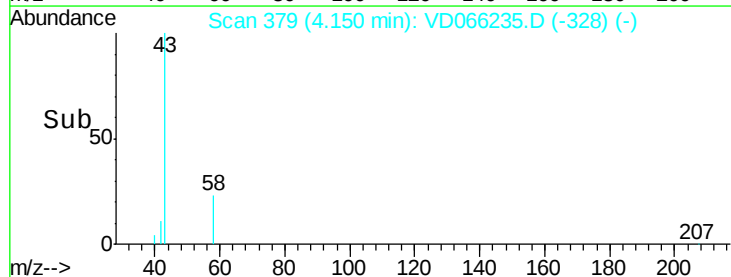
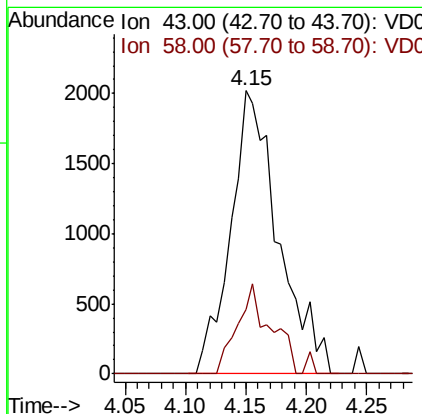
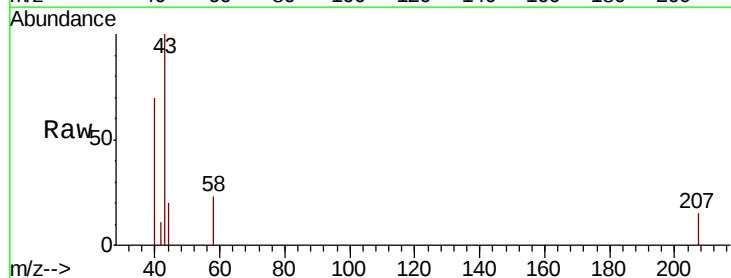
Tot Ion: 59 Resp: 227
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

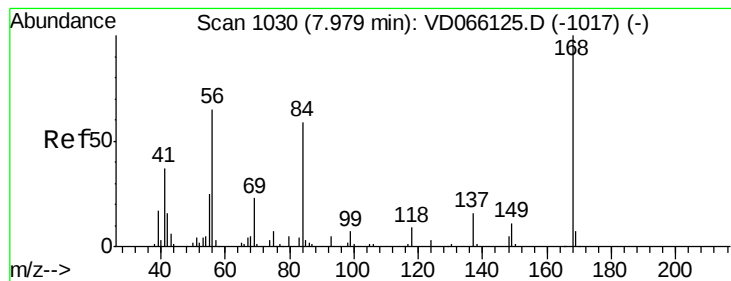


#16

Acetone
 Concen: 9.613 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VD066235.D
 Acq: 14 Aug 2020 14:35

Tgt Ion: 43 Resp: 5558
 Ion Ratio Lower Upper
 43 100
 58 22.8 24.7 37.1#





#31

Cyclohexane

Concen: 1.230 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

S415-K-SO-1-1.5-081220

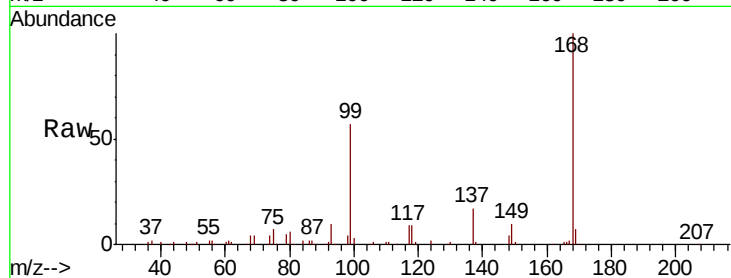
Tot Ion: 56 Resp: 6566

Ion Ratio Lower Upper

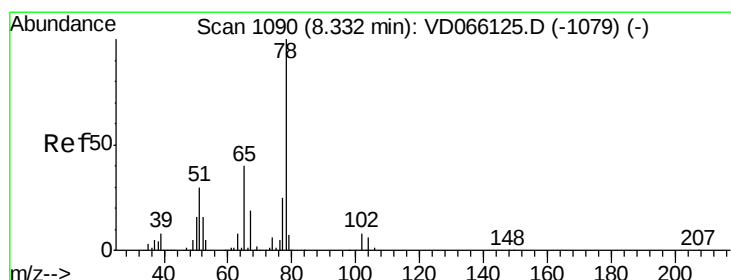
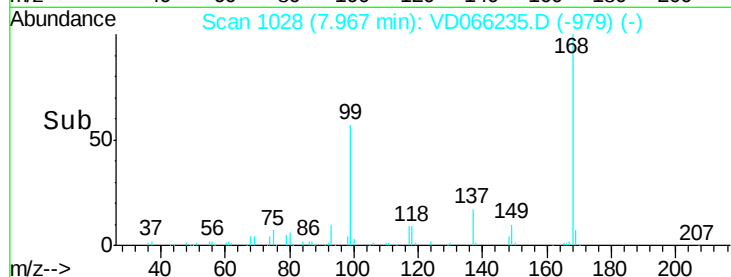
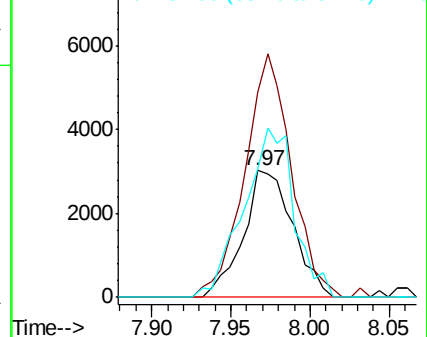
56 100

69 162.2 28.8 43.2#

84 101.3 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: 44.284 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066235.D

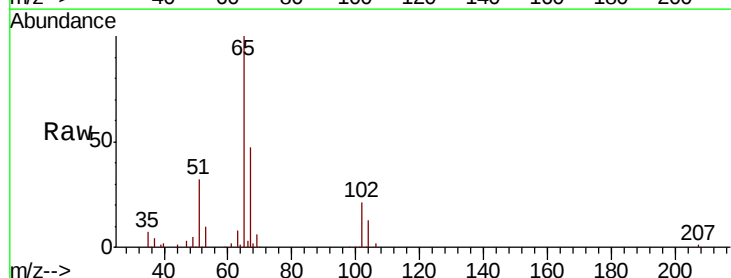
Acq: 14 Aug 2020 14:35

Tgt Ion: 65 Resp: 134942

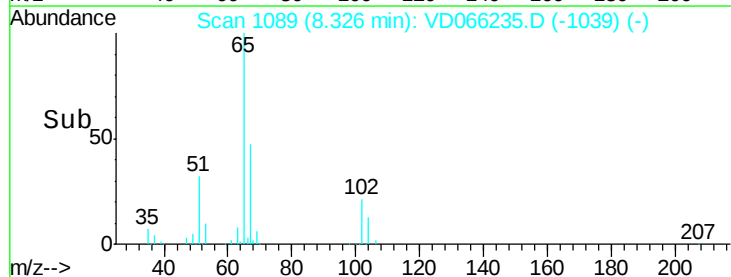
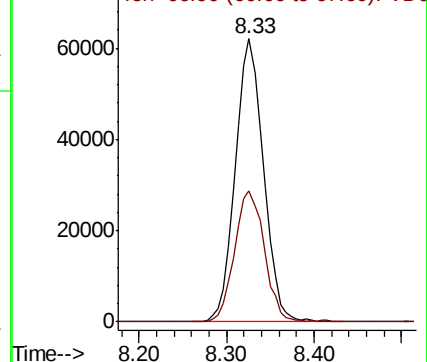
Ion Ratio Lower Upper

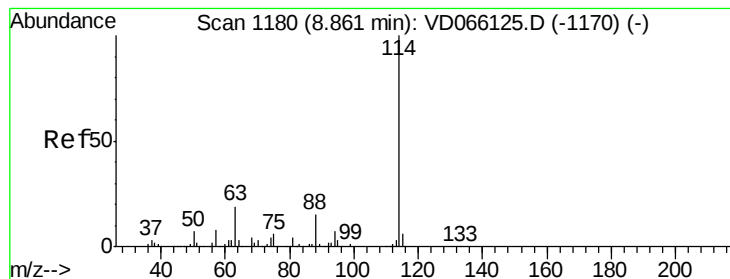
65 100

67 49.1 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: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

S415-K-SO-1-1.5-081220

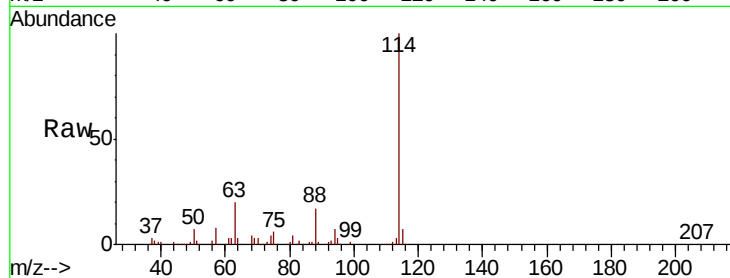
Tot Ion:114 Resp: 526778

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

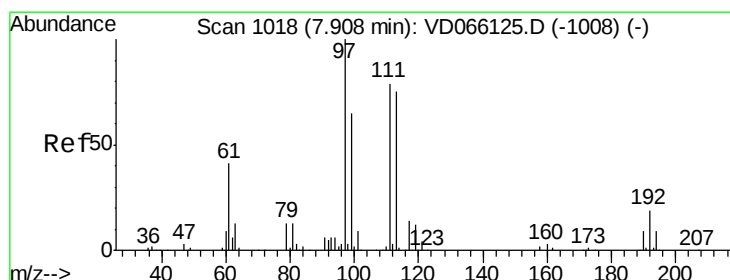
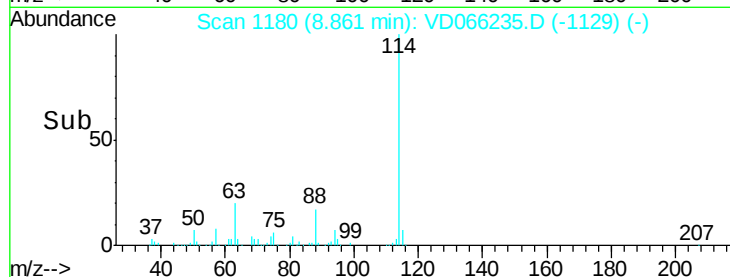
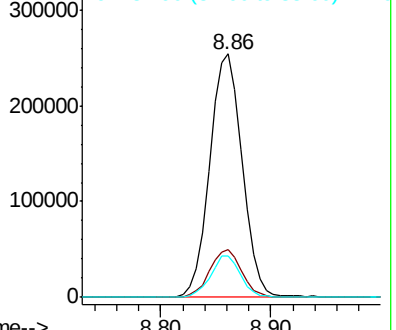
88 17.1 0.0 30.0



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: 46.498 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

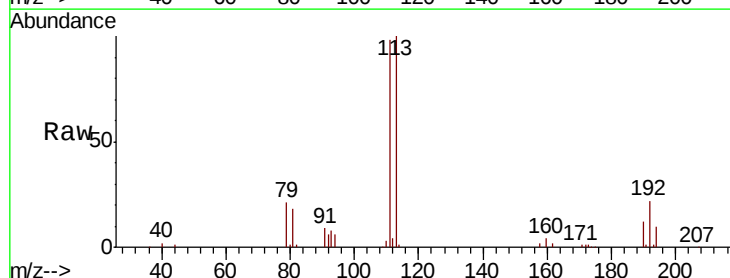
Tgt Ion:113 Resp: 155169

Ion Ratio Lower Upper

113 100

111 101.5 80.7 121.1

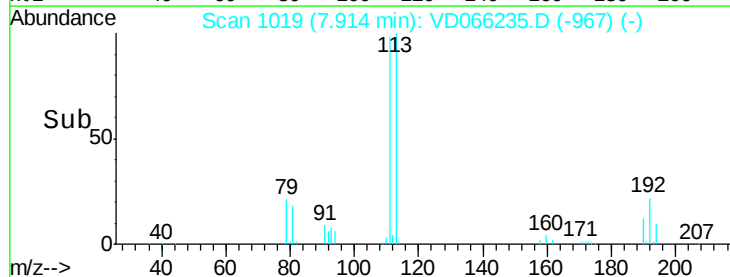
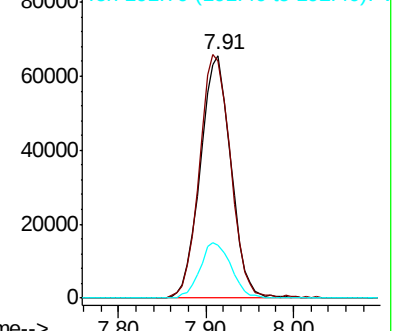
192 23.2 18.4 27.6

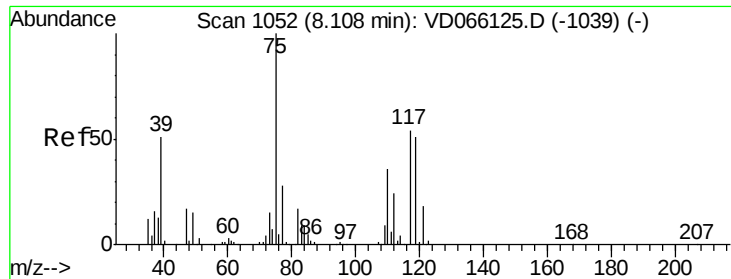


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

S415-K-SO-1-1.5-081220

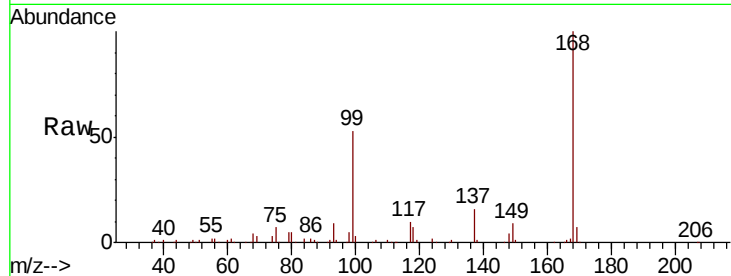
Tot Ion: 75 Resp: 23682

Ion Ratio Lower Upper

75 100

110 2.7 18.8 56.3#

77 0.0 24.2 36.2#

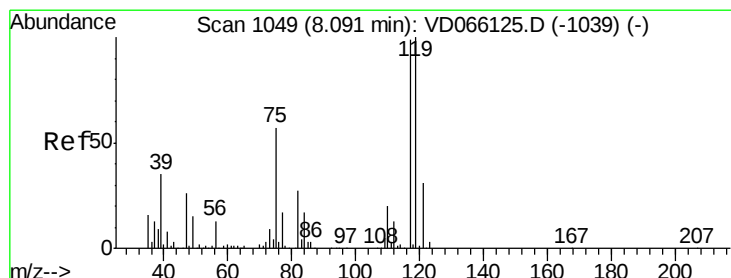
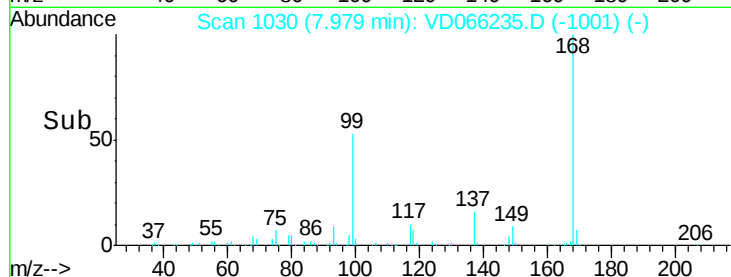


Abundance Ion 74.90 (74.60 to 75.60): VD066125.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD066125.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD066125.D (-1039) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.888 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

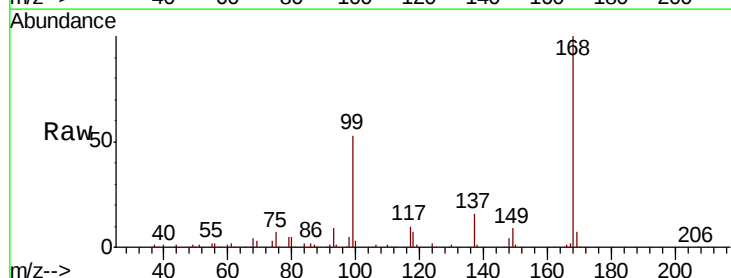
Tgt Ion: 117 Resp: 32504

Ion Ratio Lower Upper

117 100

119 5.2 81.0 121.4#

121 0.0 24.8 37.2#

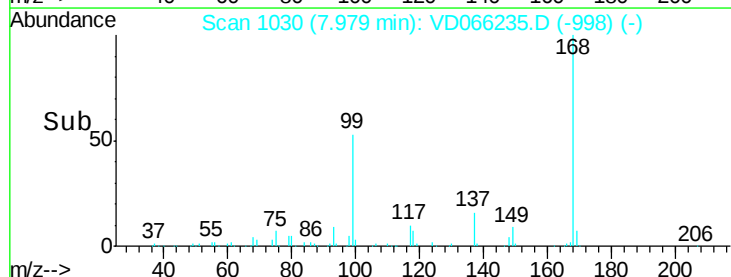


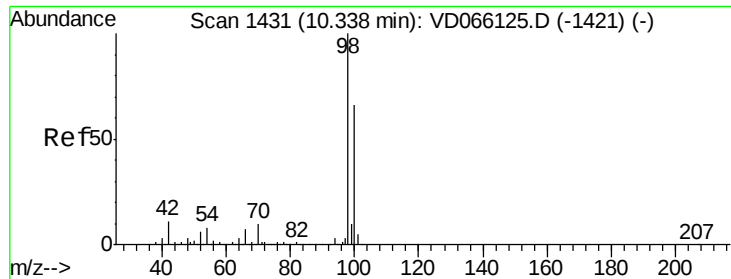
Abundance Ion 116.80 (116.50 to 117.50): VD066125.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD066125.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD066125.D (-1039) (-)

Time-->





#50

Toluene-d8

Concen: 53.813 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

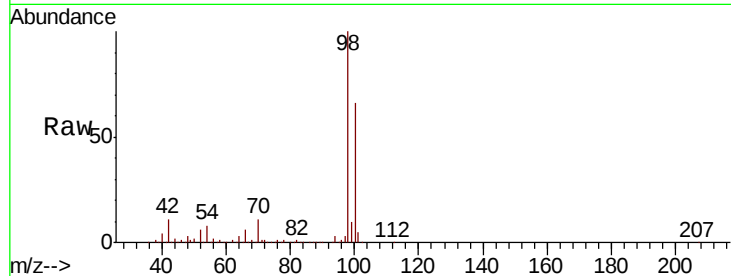
S415-K-SO-1-1.5-081220

Tot Ion: 98 Resp: 662688

Ion Ratio Lower Upper

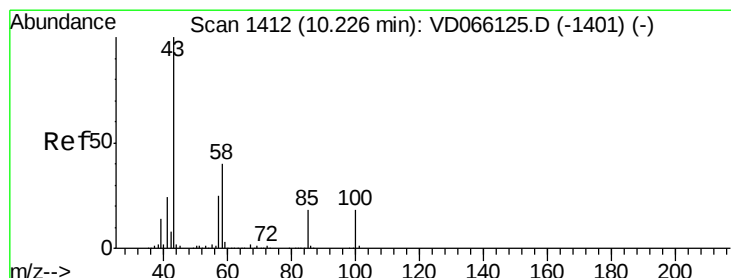
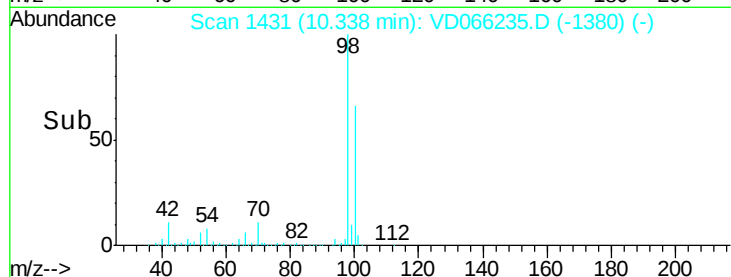
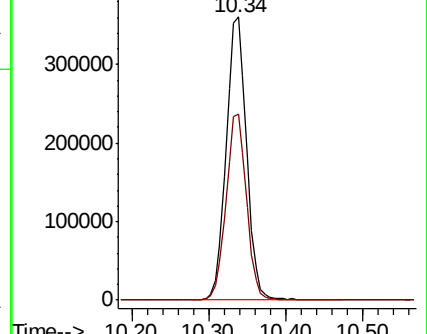
98 100

100 65.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.502 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066235.D

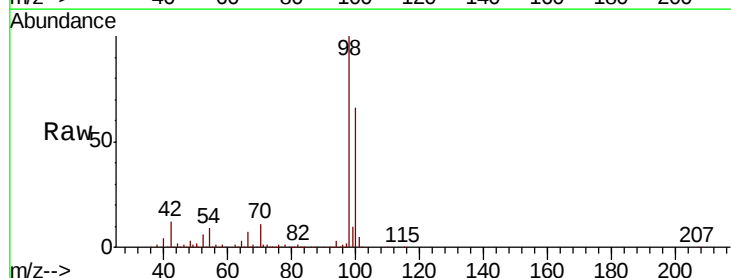
Acq: 14 Aug 2020 14:35

Tgt Ion: 43 Resp: 2982

Ion Ratio Lower Upper

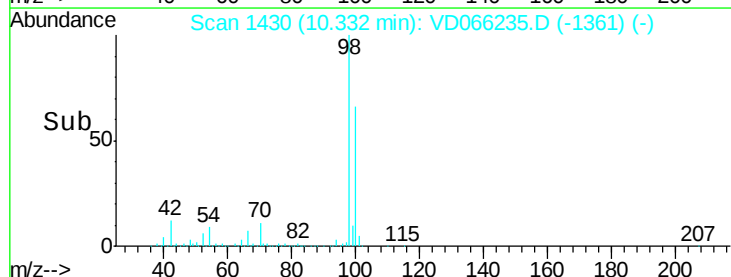
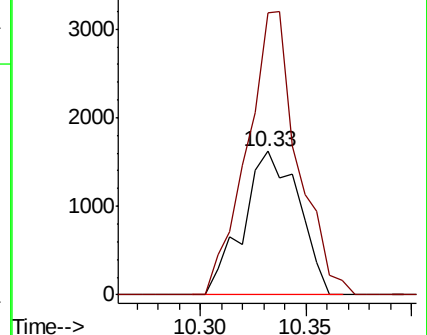
43 100

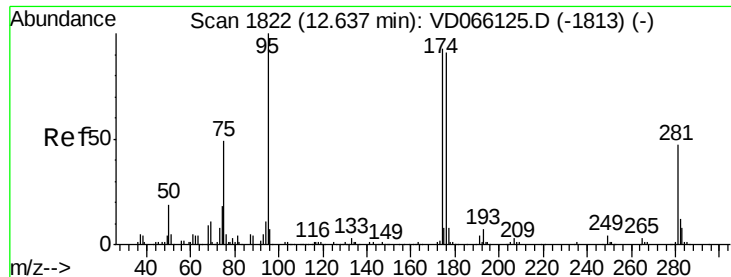
58 180.4 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 70.946 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

S415-K-SO-1-1.5-081220

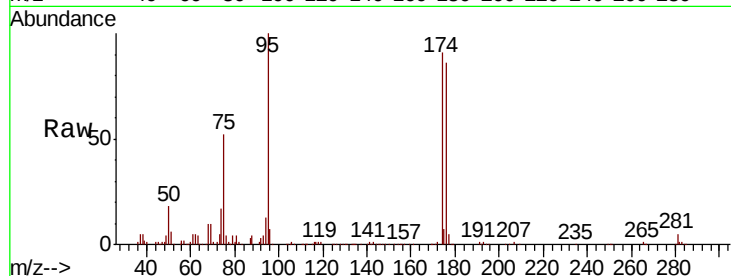
Tot Ion: 95 Resp: 314928

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.8

176 88.1 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

250000

200000

150000

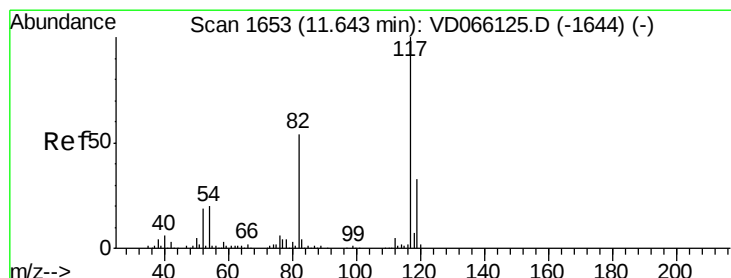
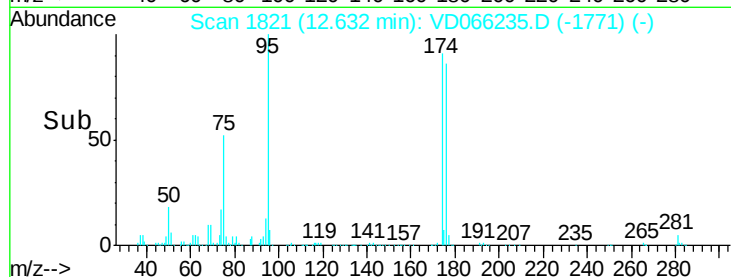
100000

50000

0

12.60 12.70

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

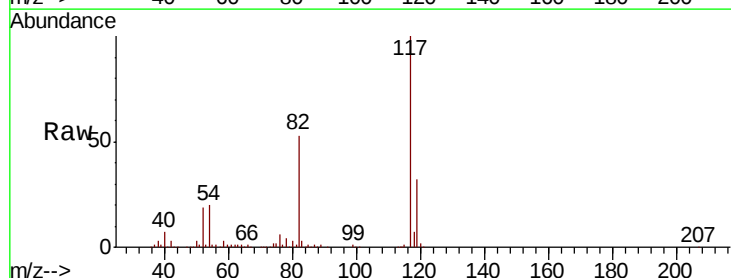
Tgt Ion: 117 Resp: 641467

Ion Ratio Lower Upper

117 100

82 52.7 43.0 64.4

119 31.7 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V

500000

400000

300000

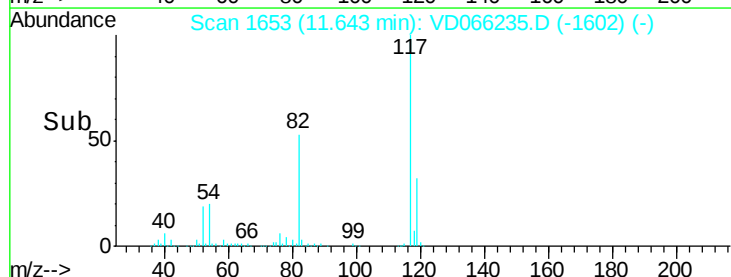
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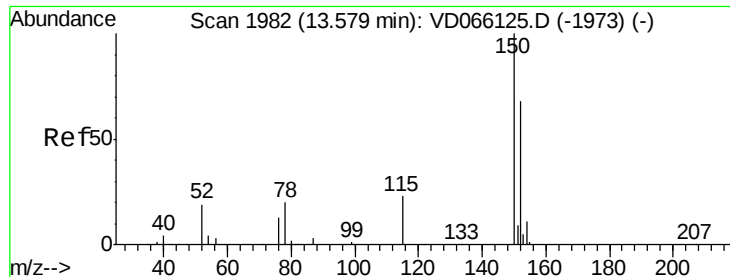
100000

0

11.60 11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

S415-K-SO-1-1.5-081220

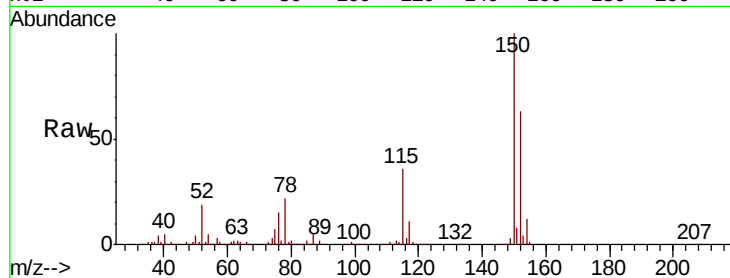
Tot Ion:152 Resp: 361863

Ion Ratio Lower Upper

152 100

115 56.2 28.0 83.9

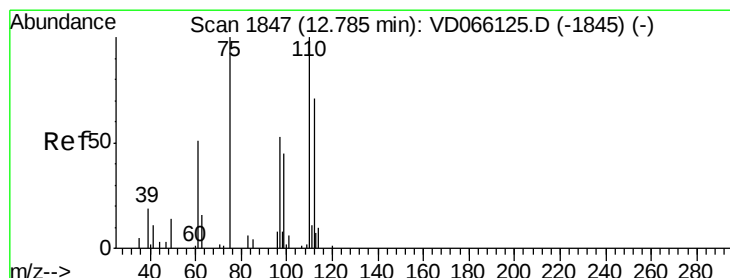
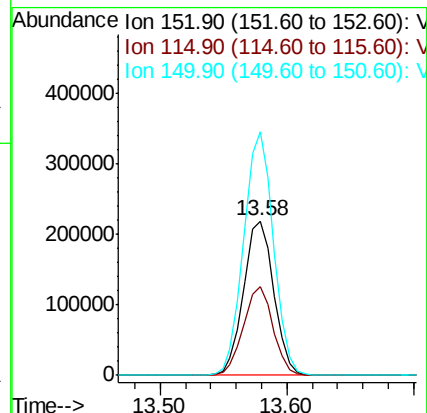
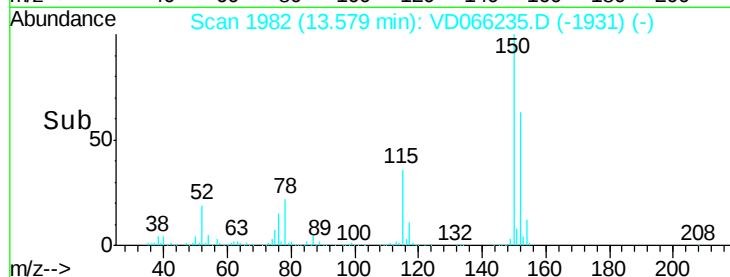
150 155.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 52.782 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066235.D

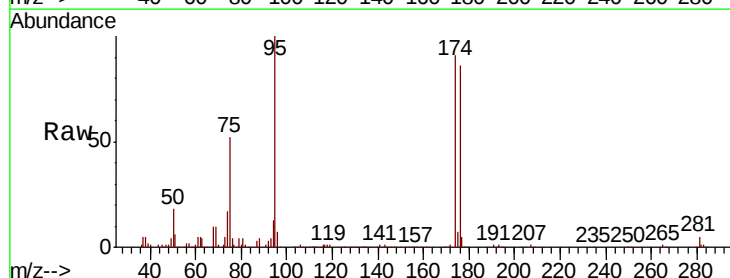
Acq: 14 Aug 2020 14:35

Tgt Ion: 75 Resp: 159278

Ion Ratio Lower Upper

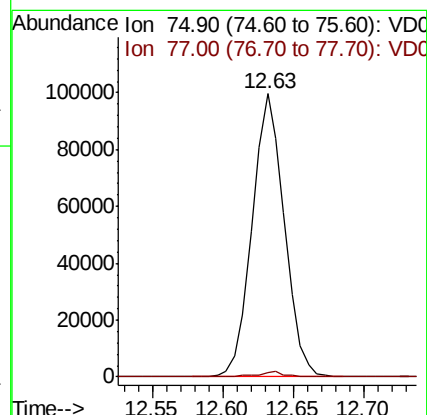
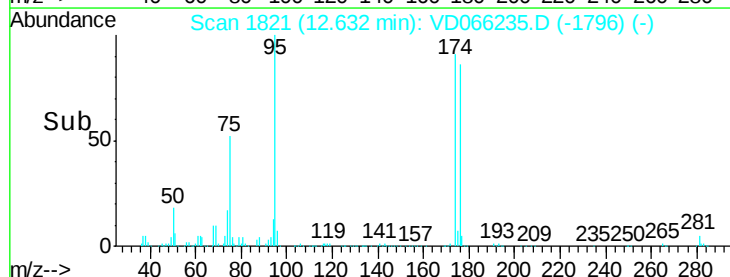
75 100

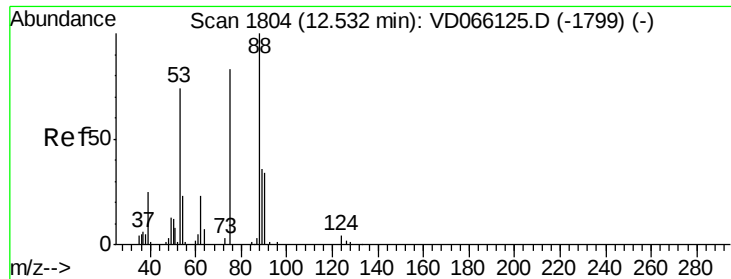
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 116.677 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066235.D

Acq: 14 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

S415-K-SO-1-1.5-081220

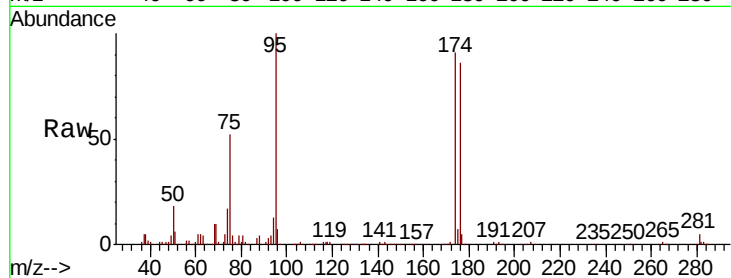
Tot Ion: 75 Resp: 159278

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

