

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066237.D
 Acq On : 14 Aug 2020 15:30
 Operator : VA/SY
 Sample : L3679-07
 Misc : 8.29G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S416-K-SO-1-1.5-081220

Quant Time: Aug 17 08:45:21 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	332779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	507371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	625381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348861	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	127897	43.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.16%	
35) Dibromofluoromethane	7.91	113	152913	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
50) Toluene-d8	10.34	98	635488	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.63	95	312133	73.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	146.02%	

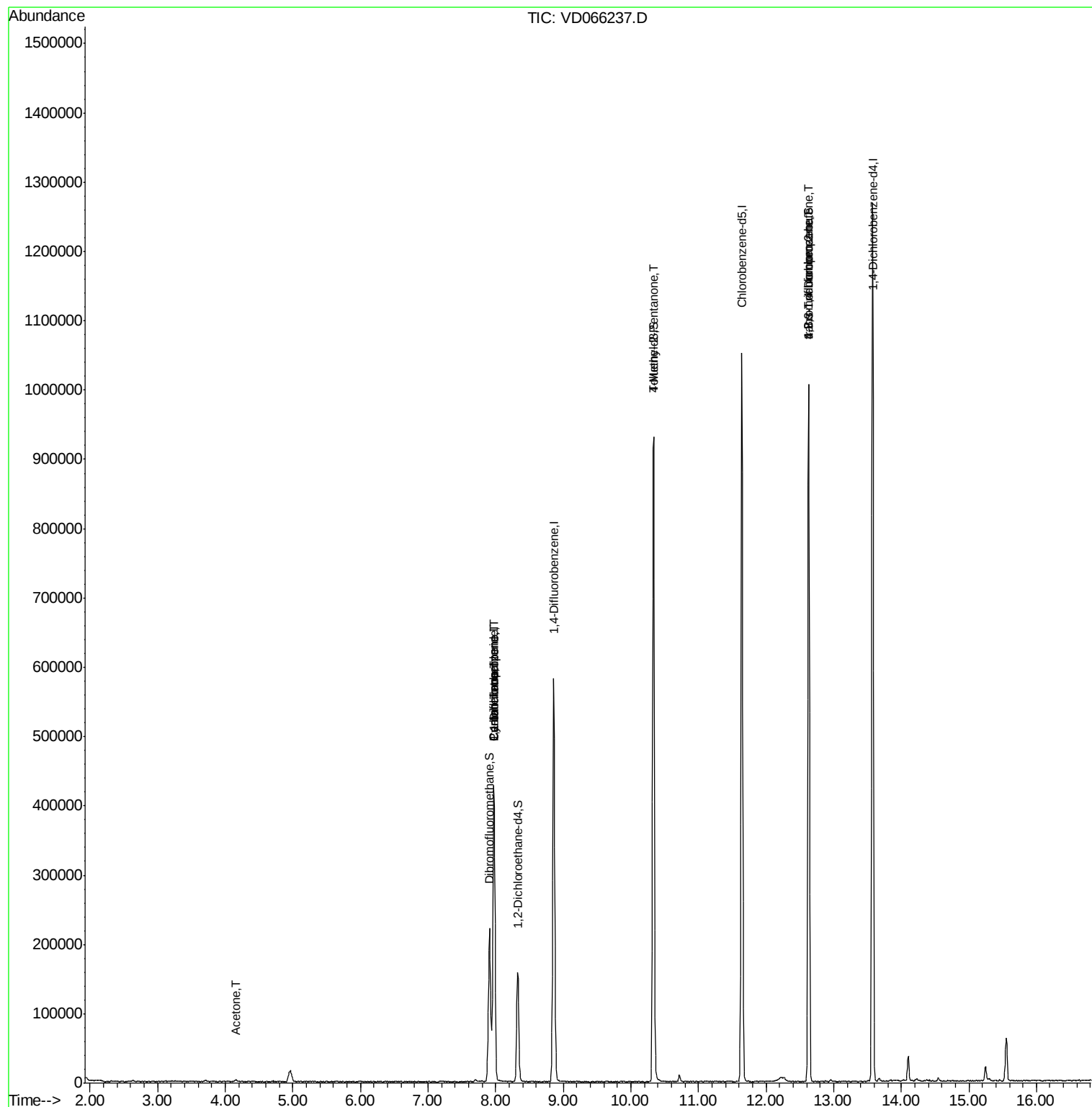
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	146	Below Cal	#	76
16) Acetone	4.16	43	4382	7.779	ug/l	96
20) Methylene Chloride	4.97	84	14007	Below Cal	#	80
31) Cyclohexane	7.97	56	7211	1.386	ug/l #	36
36) 1,1-Dichloropropene	7.97	75	21107	4.427	ug/l #	52
38) Carbon Tetrachloride	7.98	117	32150	6.047	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3022	1.581	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	155601	53.485	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	155601	118.231	ug/l #	13

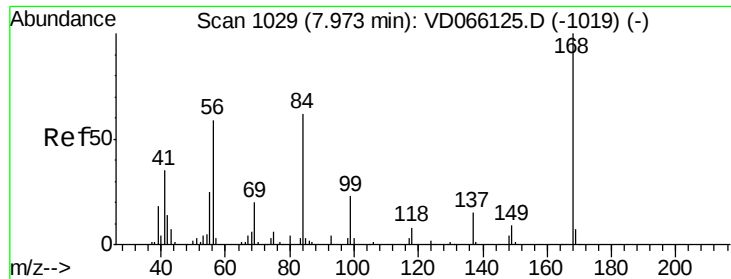
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
Data File : VD066237.D
Acq On : 14 Aug 2020 15:30
Operator : VA/SY
Sample : L3679-07
Misc : 8.29G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S416-K-SO-1-1.5-081220

Quant Time: Aug 17 08:45:21 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: VD066237.D

Acq: 14 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

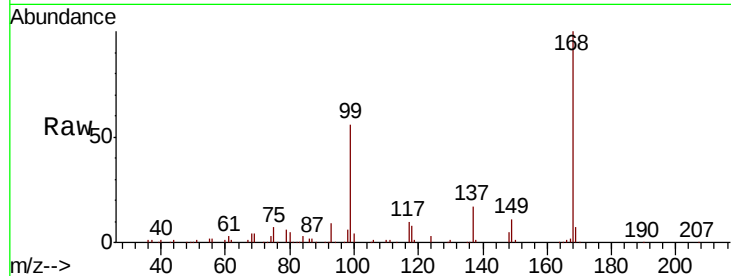
S416-K-SO-1-1.5-081220

Tot Ion:168 Resp: 332779

Ion Ratio Lower Upper

168 100

99 56.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

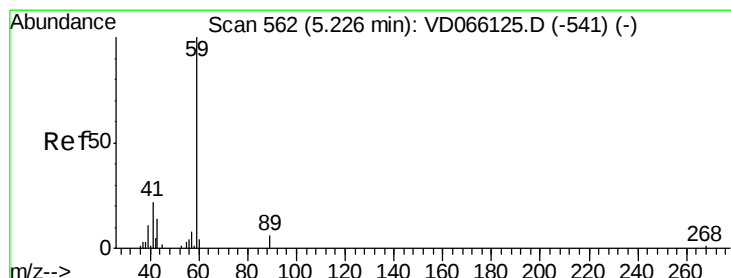
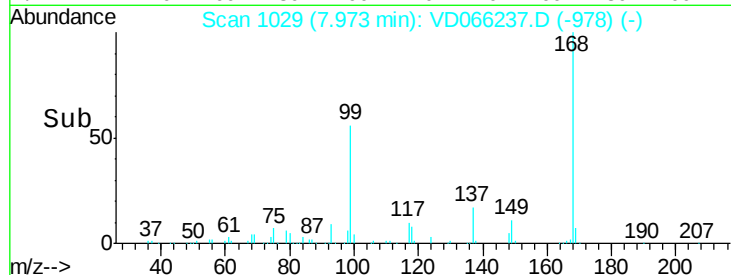
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066237.D

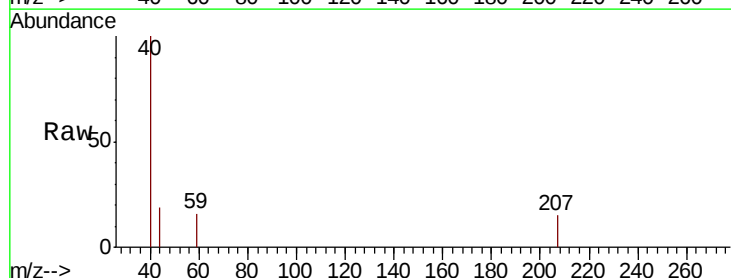
Acq: 14 Aug 2020 15:30

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

300

250

200

150

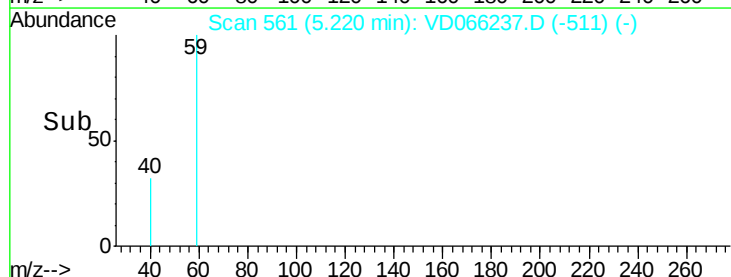
100

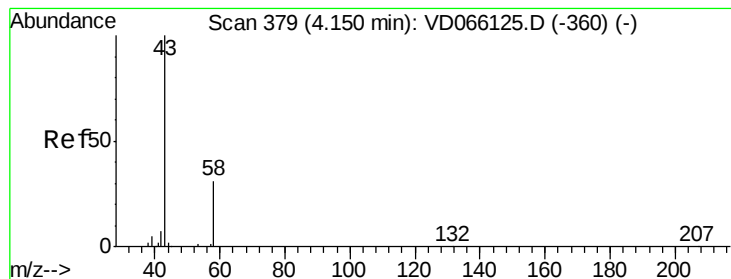
50

0

5.21 5.22 5.23 5.24

Time-->





#16

Acetone

Concen: 7.779 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

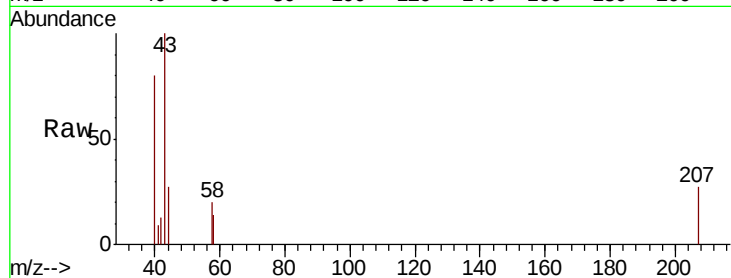
S416-K-SO-1-1.5-081220

Tot Ion: 43 Resp: 4382

Ion Ratio Lower Upper

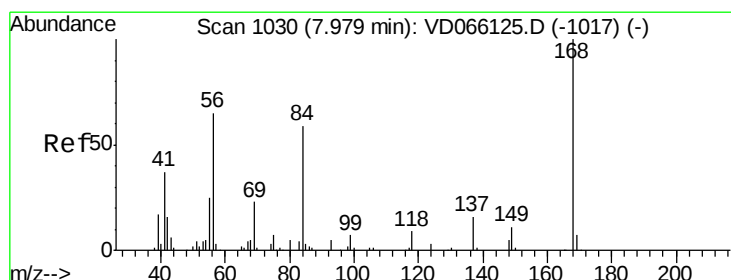
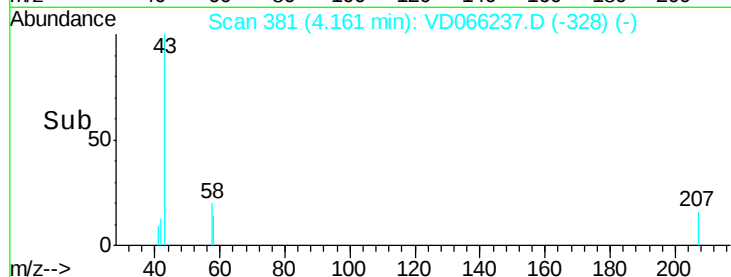
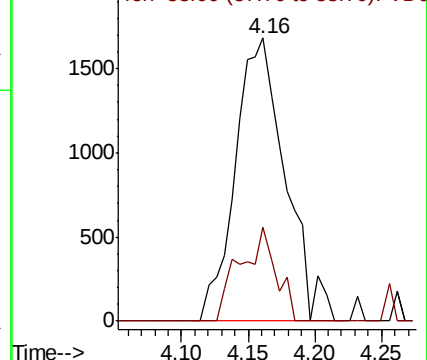
43 100

58 33.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.386 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

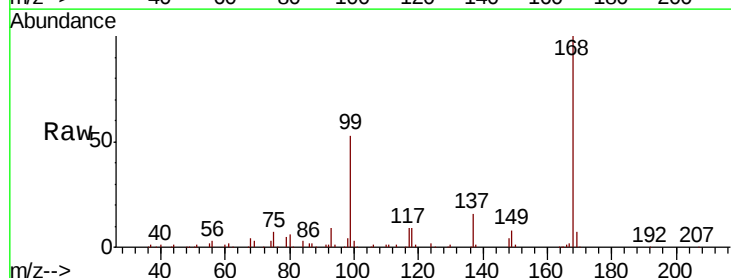
Tgt Ion: 56 Resp: 7211

Ion Ratio Lower Upper

56 100

69 135.0 28.8 43.2#

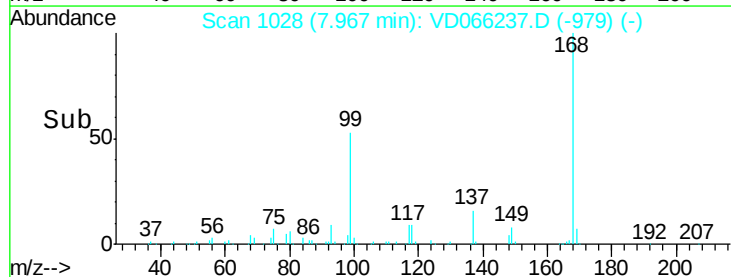
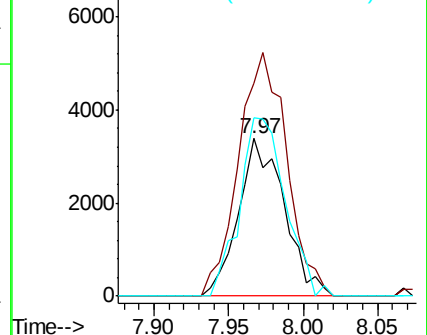
84 113.1 73.0 109.6#

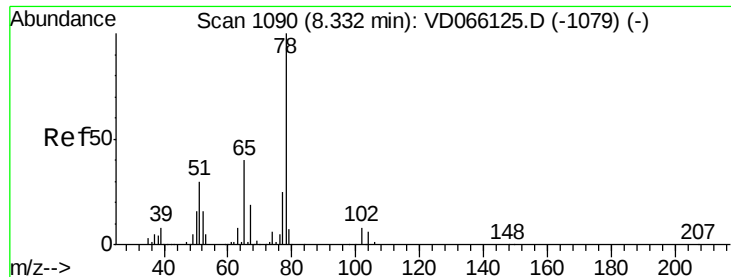


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

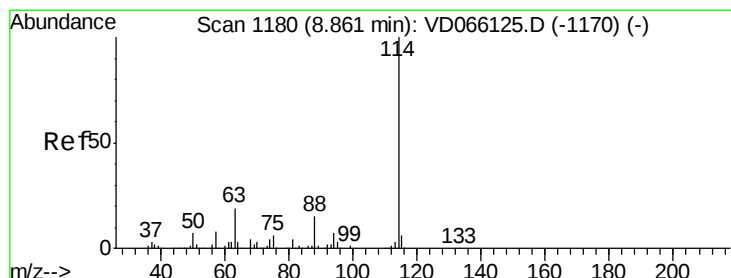
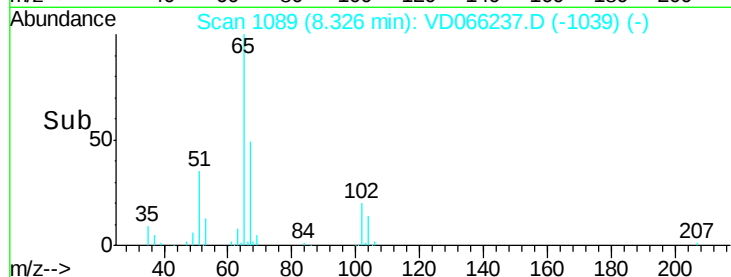
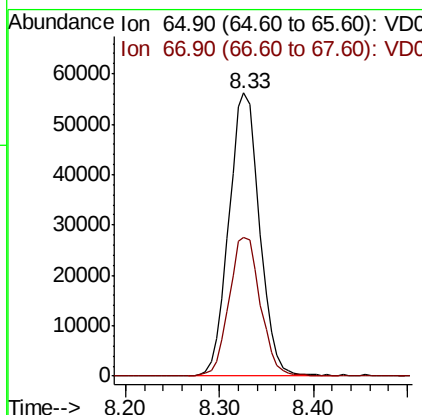
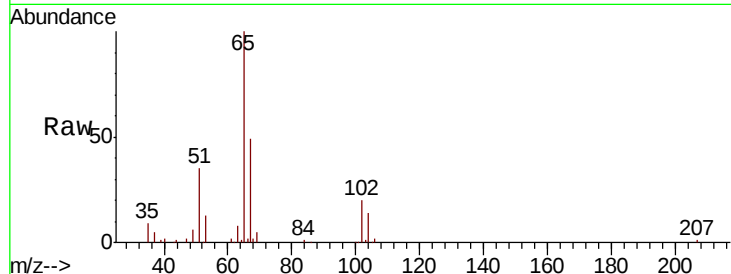




#33
 1,2-Dichloroethane-d4
 Concen: 43.079 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066237.D
 Acq: 14 Aug 2020 15:30

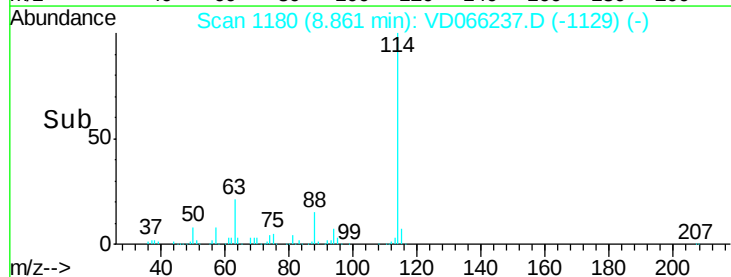
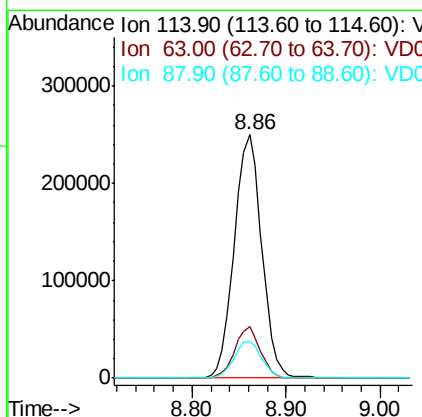
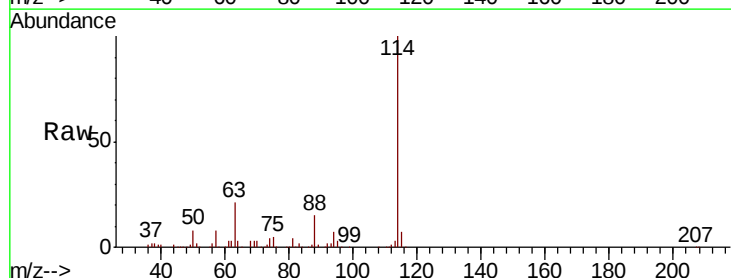
Instrument :
 MSVOA_D
 ClientSampleId :
 S416-K-SO-1-1.5-081220

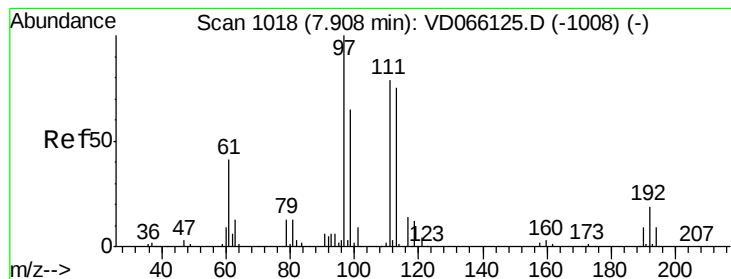
Tot Ion: 65 Resp: 127897
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066237.D
 Acq: 14 Aug 2020 15:30

Tgt Ion: 114 Resp: 507371
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 38.6
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.575 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

S416-K-SO-1-1.5-081220

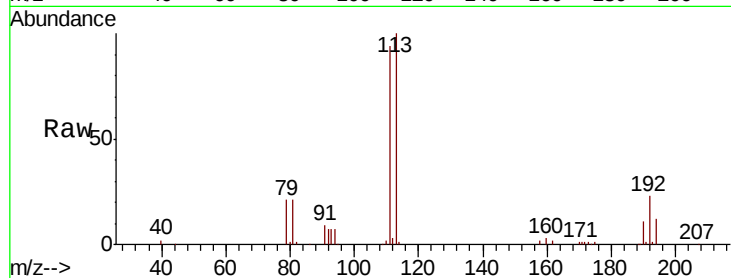
Tot Ion:113 Resp: 152913

Ion Ratio Lower Upper

113 100

111 100.9 80.7 121.1

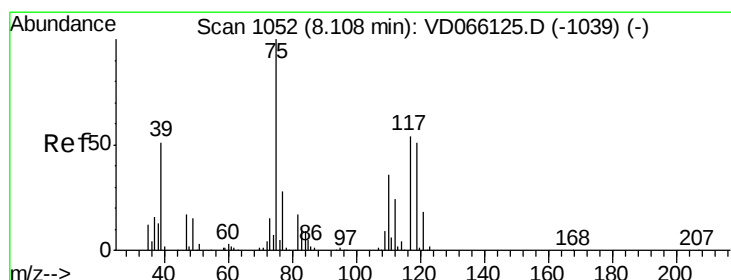
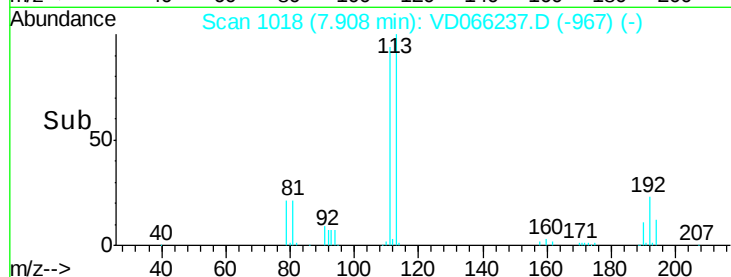
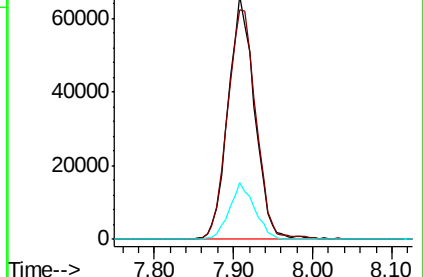
192 22.2 18.4 27.6



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: 4.427 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

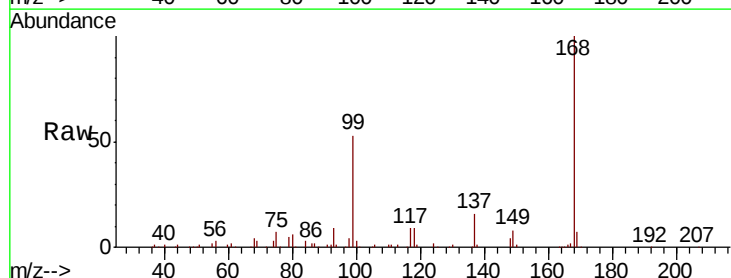
Tgt Ion: 75 Resp: 21107

Ion Ratio Lower Upper

75 100

110 12.3 18.8 56.3#

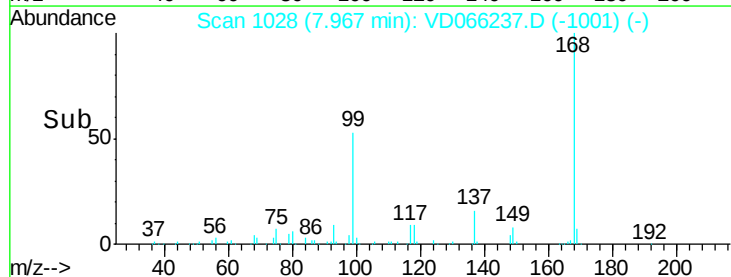
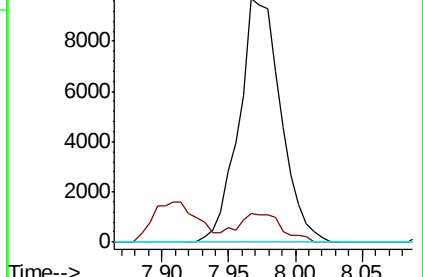
77 0.0 24.2 36.2#

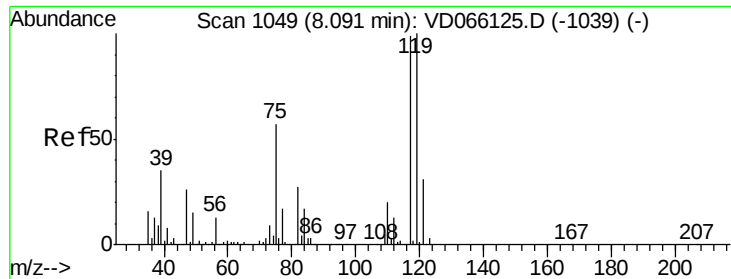


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

S416-K-SO-1-1.5-081220

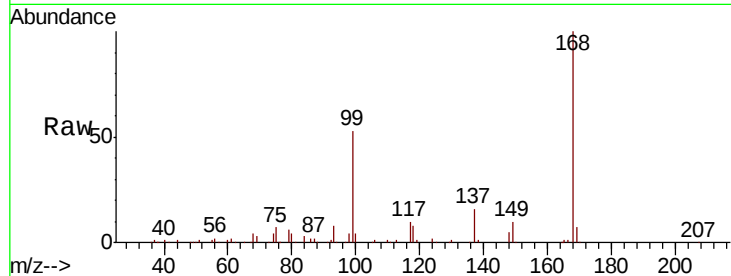
Tot Ion:117 Resp: 32150

Ion Ratio Lower Upper

117 100

119 5.7 81.0 121.4#

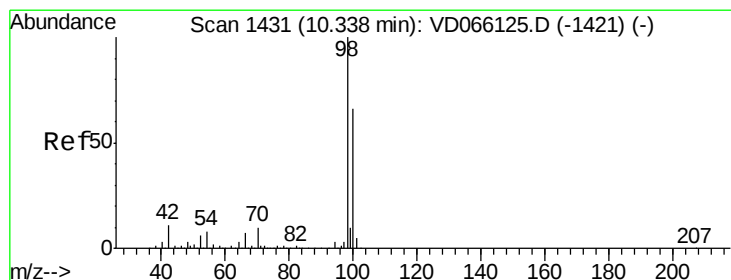
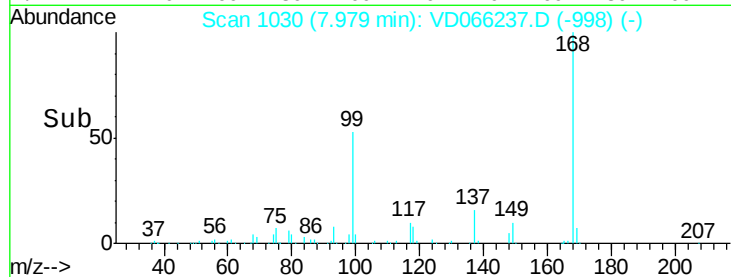
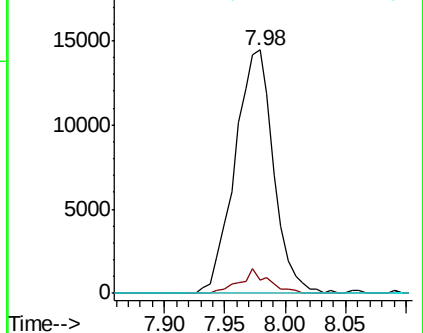
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 53.578 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066237.D

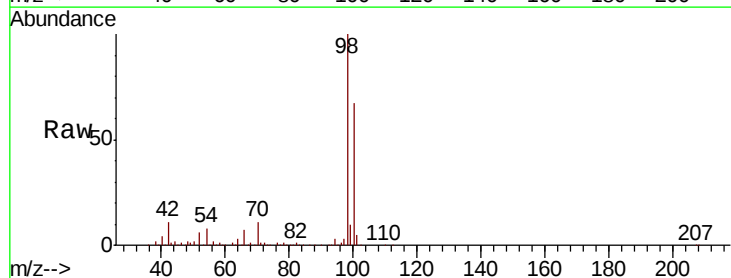
Acq: 14 Aug 2020 15:30

Tgt Ion: 98 Resp: 635488

Ion Ratio Lower Upper

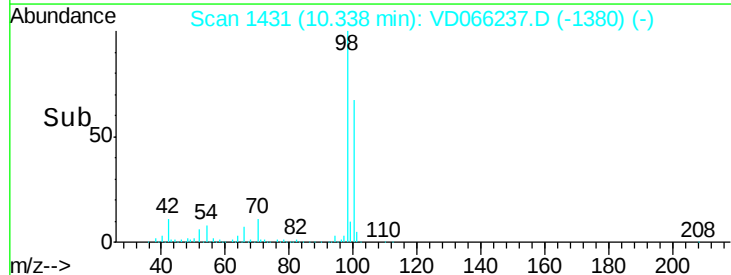
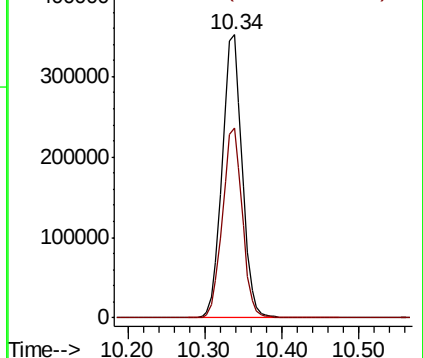
98 100

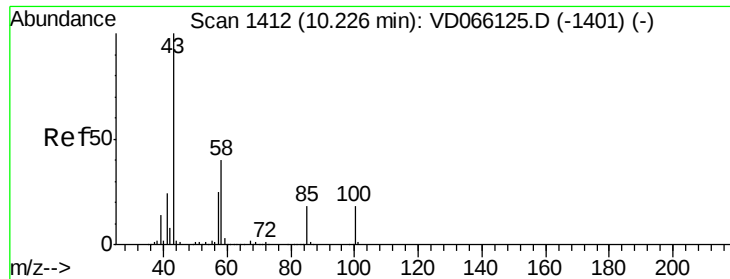
100 66.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.581 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

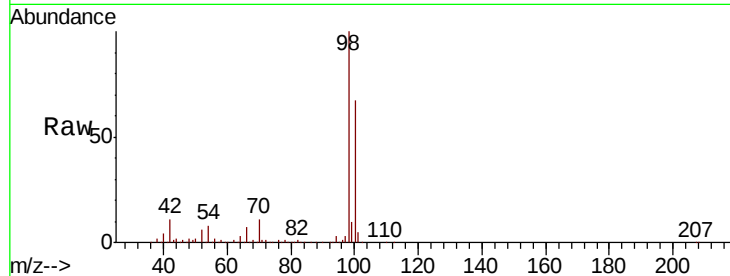
S416-K-SO-1-1.5-081220

Tot Ion: 43 Resp: 3022

Ion Ratio Lower Upper

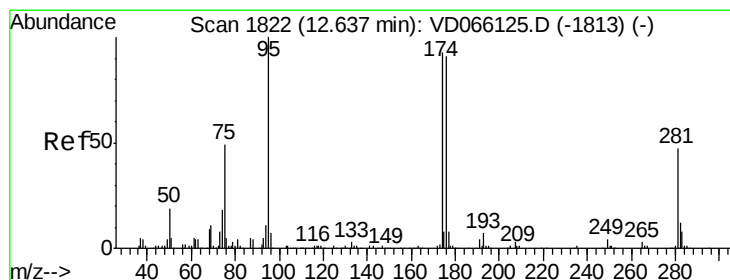
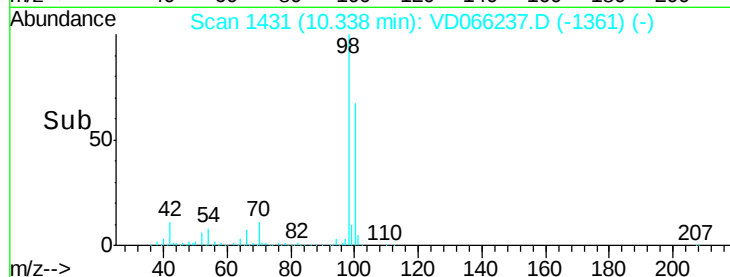
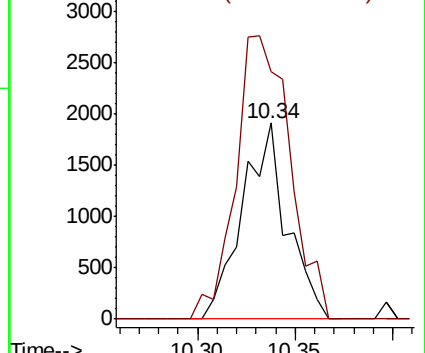
43 100

58 176.2 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: 73.006 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

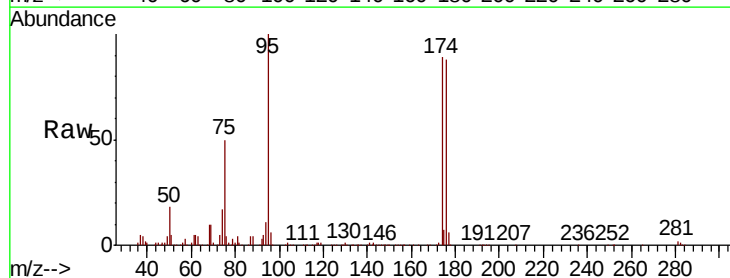
Tgt Ion: 95 Resp: 312133

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.8

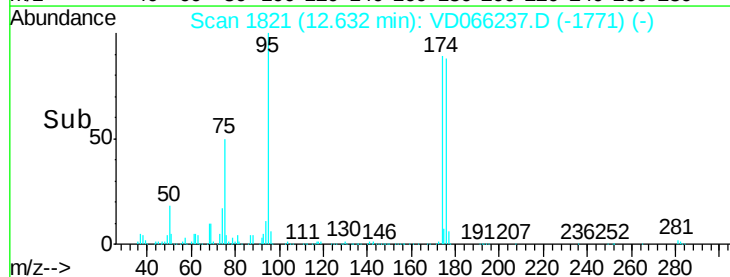
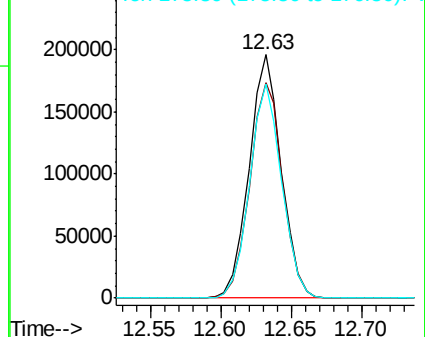
176 88.2 0.0 181.2

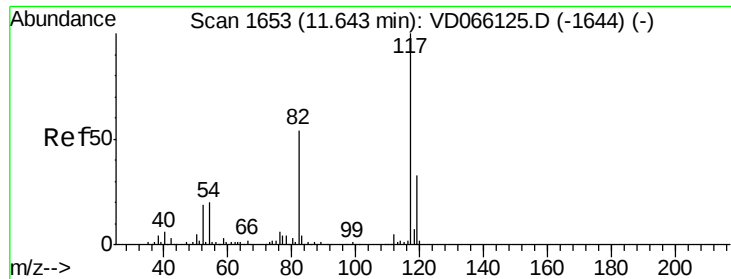


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

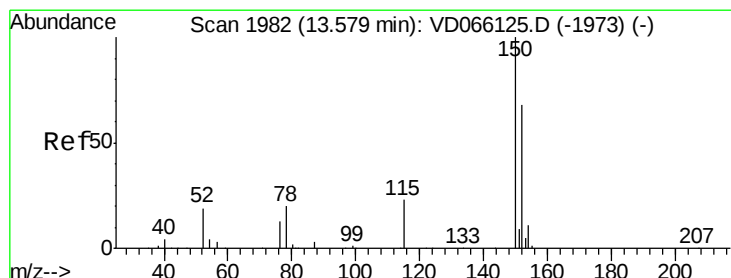
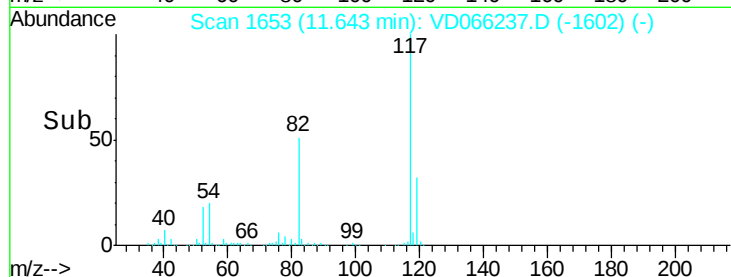
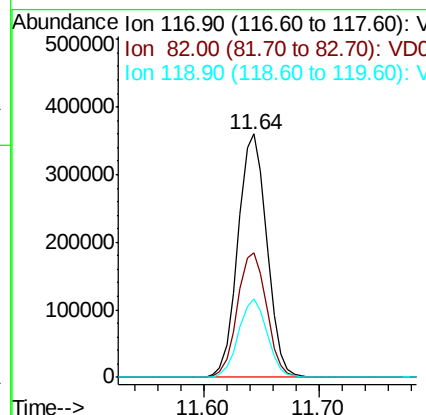
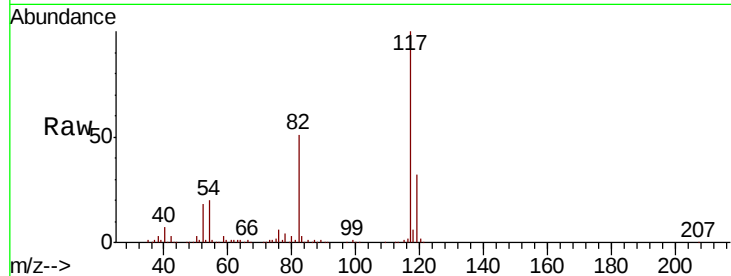




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066237.D
Acq: 14 Aug 2020 15:30

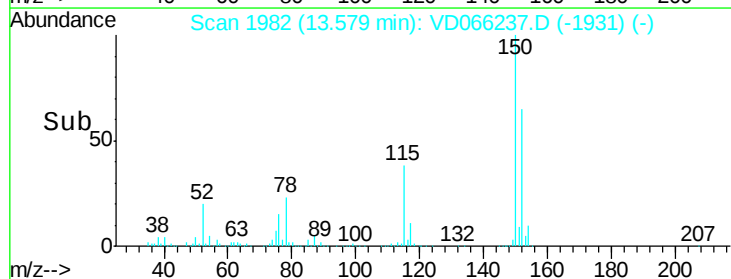
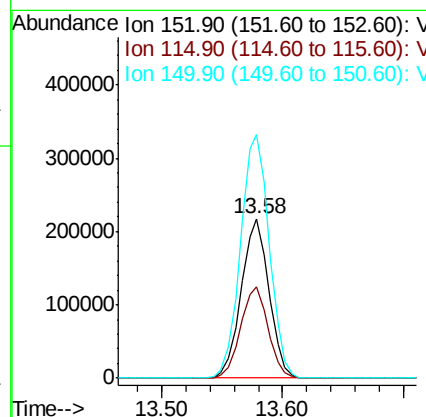
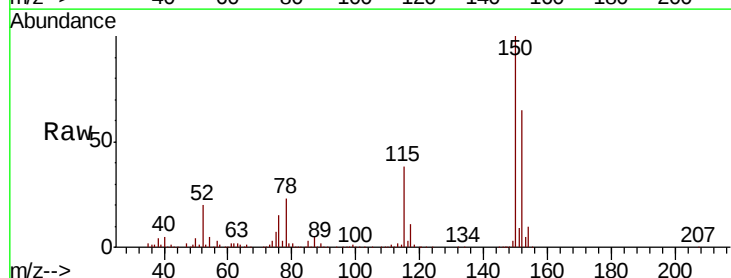
Instrument :
MSVOA_D
ClientSampleId :
S416-K-SO-1-1.5-081220

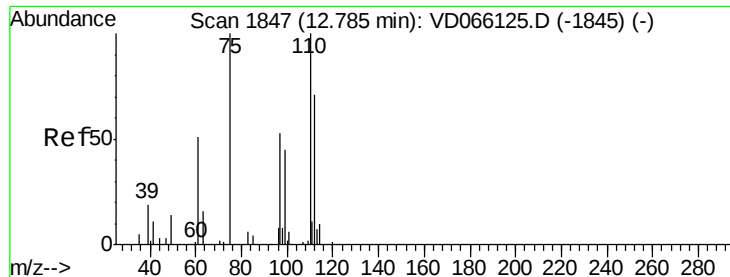
Tot Ion:117 Resp: 625381
Ion Ratio Lower Upper
117 100
82 51.1 43.0 64.4
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066237.D
Acq: 14 Aug 2020 15:30

Tgt Ion:152 Resp: 348861
Ion Ratio Lower Upper
152 100
115 56.7 28.0 83.9
150 157.6 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 53.485 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

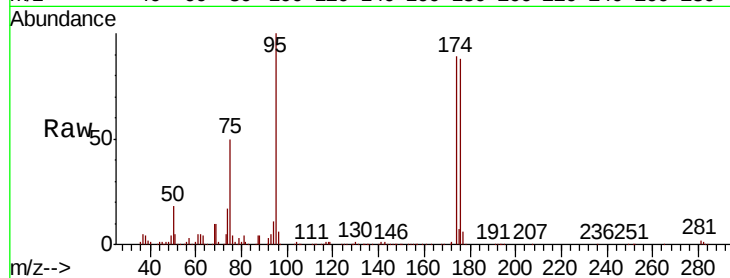
S416-K-SO-1-1.5-081220

Tot Ion: 75 Resp: 155601

Ion Ratio Lower Upper

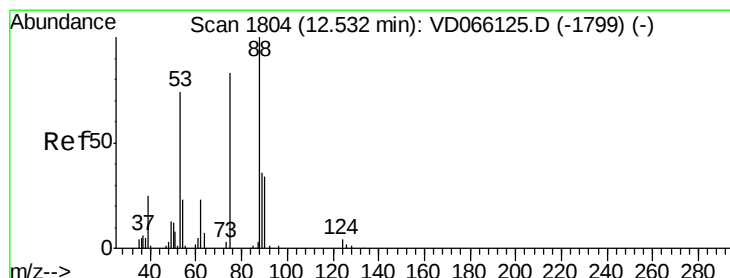
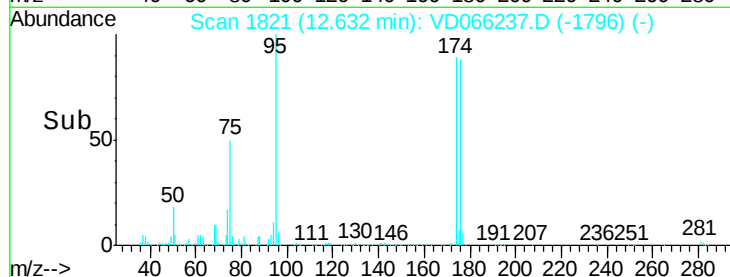
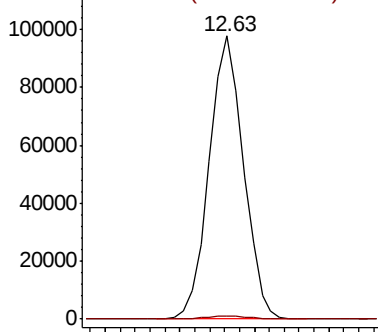
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 118.231 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066237.D

Acq: 14 Aug 2020 15:30

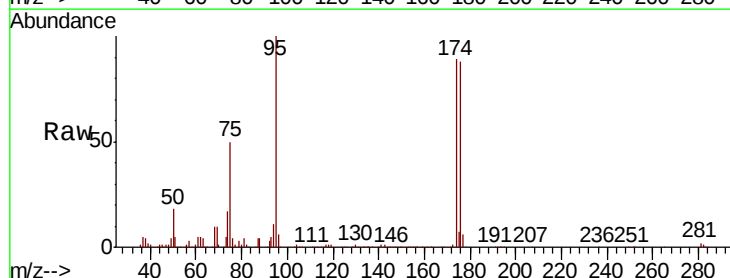
Tgt Ion: 75 Resp: 155601

Ion Ratio Lower Upper

75 100

53 0.1 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

