

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066239.D
 Acq On : 14 Aug 2020 16:26
 Operator : VA/SY
 Sample : L3679-09
 Misc : 6.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S409-K-SO-1-1.5-081220

Quant Time: Aug 17 08:45:58 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	325636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	508228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	599076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315764	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	132090	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
35) Dibromofluoromethane	7.91	113	152621	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.34	98	621944	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.63	95	298319	69.66	ug/l	0.00
Spiked Amount			Recovery	=	139.32%	

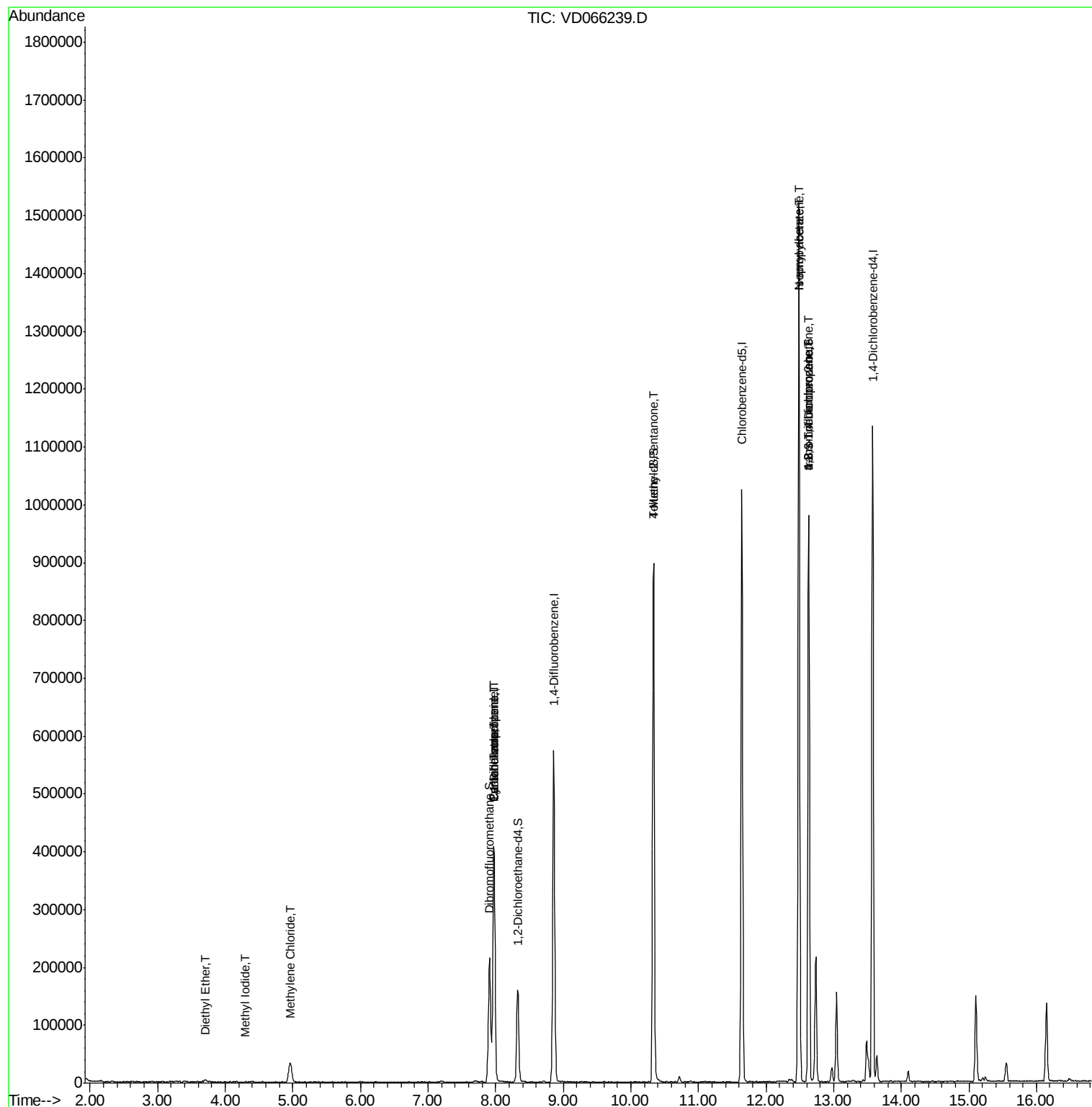
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2130	1.465	ug/l	89
10) Methyl Iodide	4.29	142	65	6.731	ug/l #	39
11) Tert butyl alcohol	5.24	59	55	Below Cal	#	76
20) Methylene Chloride	4.96	84	27425	4.410	ug/l #	86
31) Cyclohexane	7.97	56	6575	1.292	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	22279	4.665	ug/l #	52
38) Carbon Tetrachloride	7.97	117	30358	5.700	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3041	1.588	ug/l #	1
73) Isopropylbenzene	12.49	105	68836	3.266	ug/l #	61
74) N-amyl acetate	12.48	43	28690	6.181	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	157054	59.643	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	157054	131.844	ug/l #	13

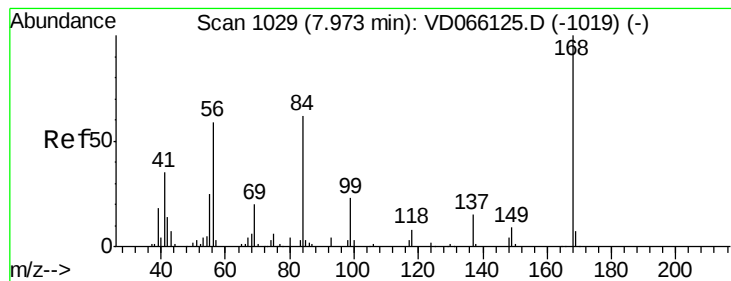
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
Data File : VD066239.D
Acq On : 14 Aug 2020 16:26
Operator : VA/SY
Sample : L3679-09
Misc : 6.95G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S409-K-SO-1-1.5-081220

Quant Time: Aug 17 08:45:58 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: VD066239.D

Acq: 14 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

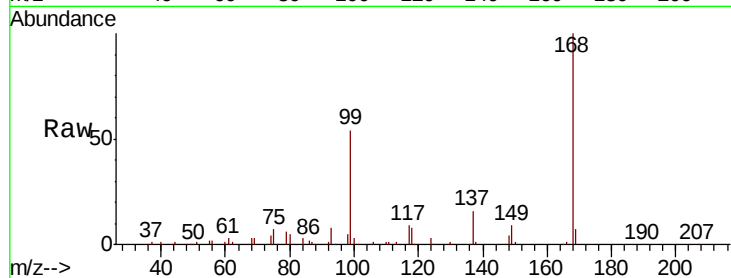
S409-K-SO-1-1.5-081220

Tot Ion:168 Resp: 325636

Ion Ratio Lower Upper

168 100

99 53.8 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

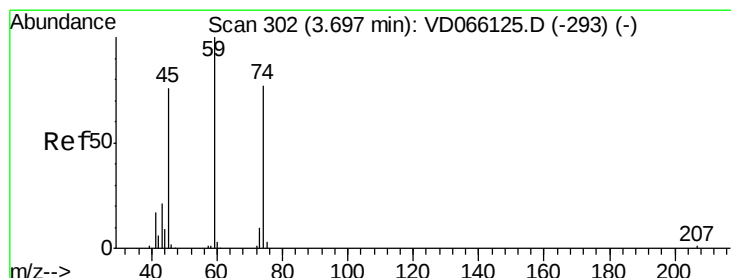
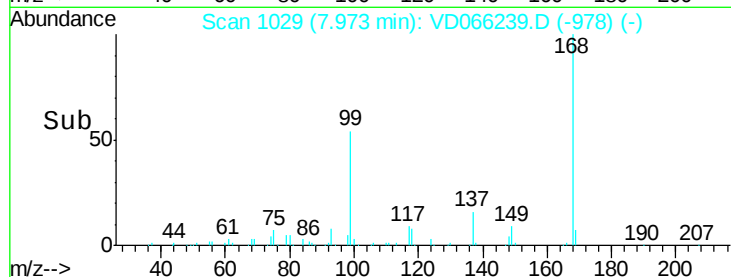
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.465 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066239.D

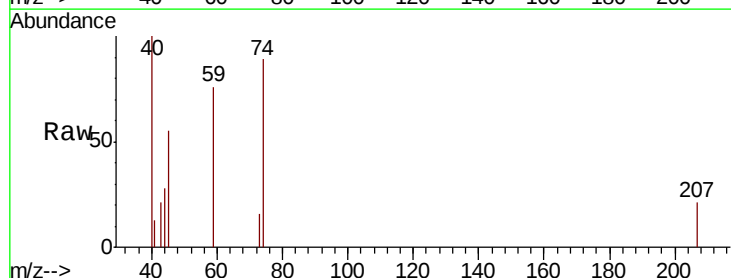
Acq: 14 Aug 2020 16:26

Tgt Ion: 74 Resp: 2130

Ion Ratio Lower Upper

74 100

45 86.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

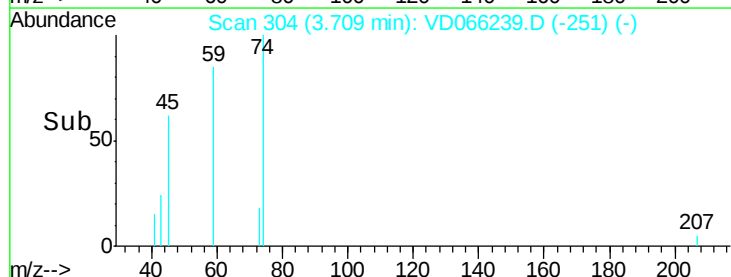
3.71

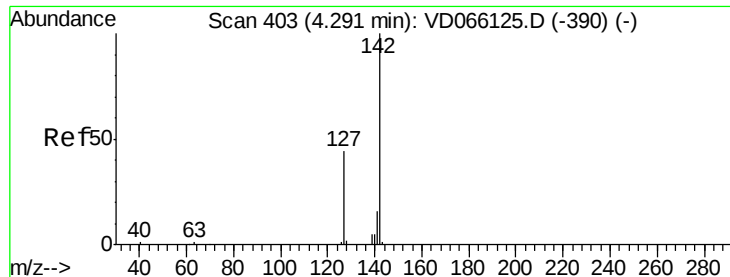
1000

500

0

Time-->

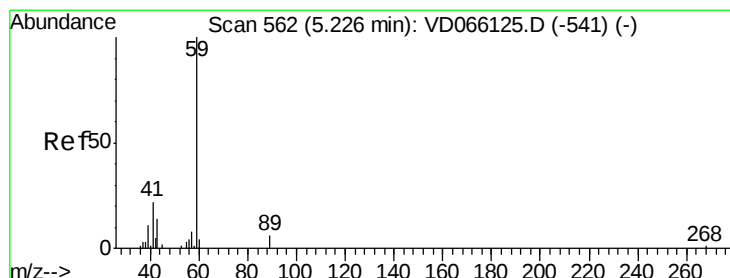
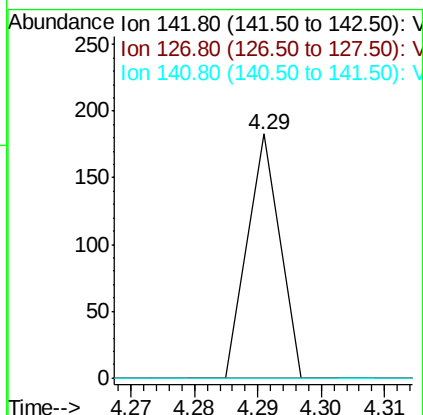
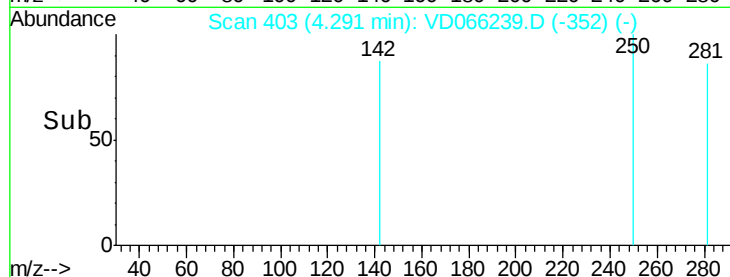
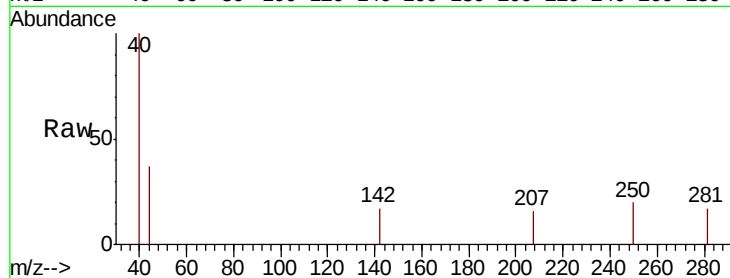




#10
Methvl Iodide
Concen: 6.731 ug/l
RT: 4.29 min Scan# 403
Delta R.T. 0.00 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

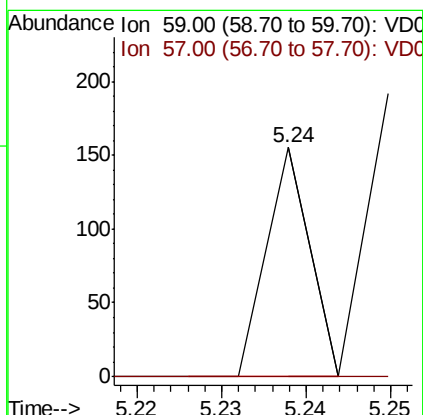
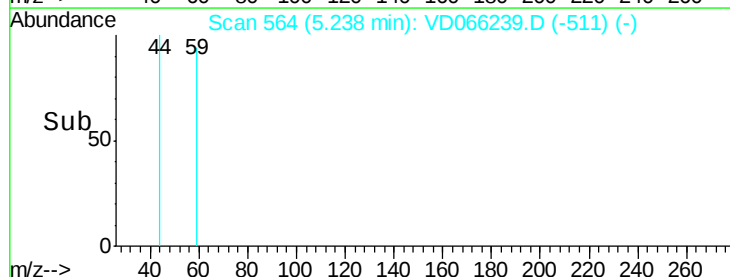
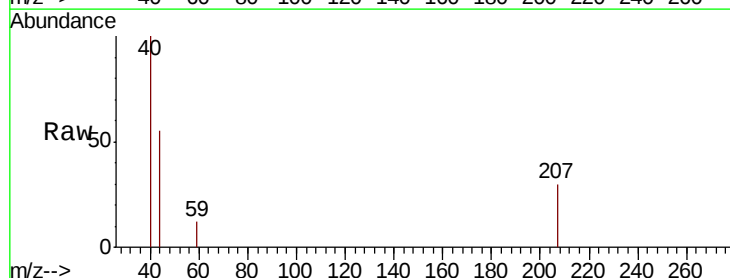
Instrument :
MSVOA_D
ClientSampleId :
S409-K-SO-1-1.5-081220

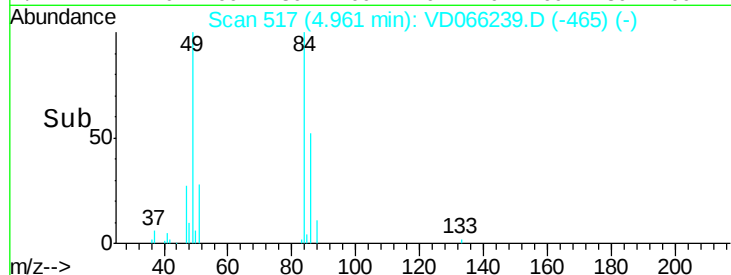
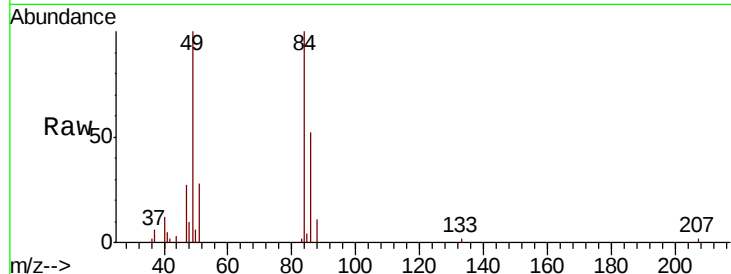
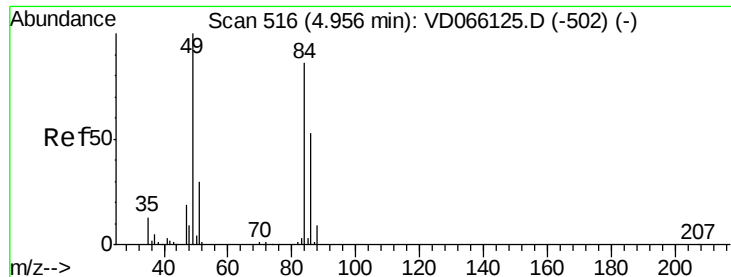
Tot Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

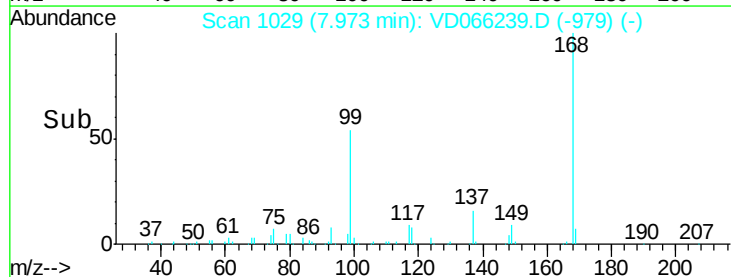
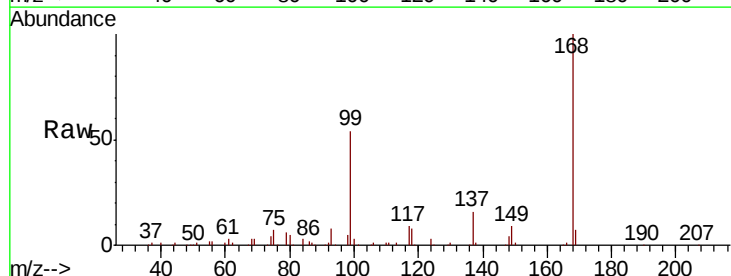
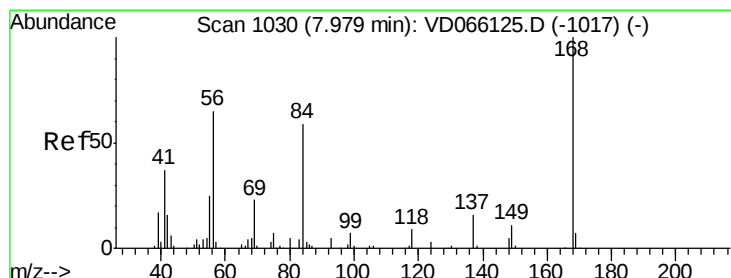
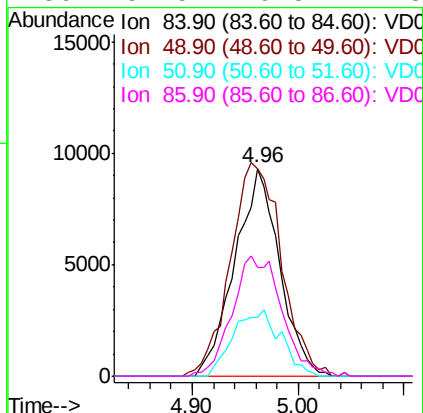




#20
Methvlene Chloride
Concen: 4.410 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

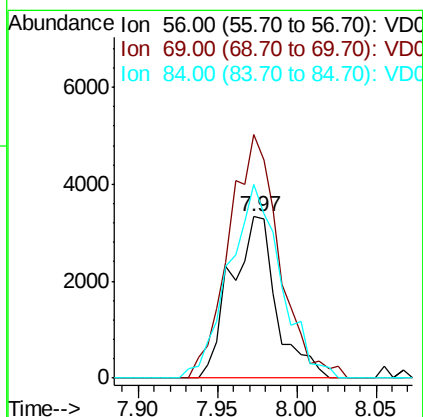
Instrument :
MSVOA_D
ClientSampleId :
S409-K-SO-1-1.5-081220

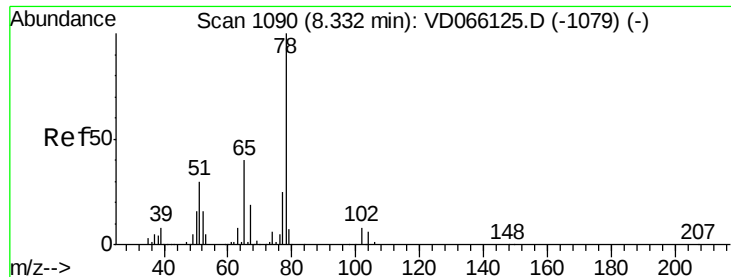
Tot Ion:	84	Resp:	27425
Ion	Ratio	Lower	Upper
84	100		
49	100.1	93.5	140.3
51	28.2	28.2	42.4#
86	52.5	49.5	74.3



#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

Tgt Ion:	56	Resp:	6575
Ion	Ratio	Lower	Upper
56	100		
69	151.1	28.8	43.2#
84	119.9	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 45.467 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066239.D

Acq: 14 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

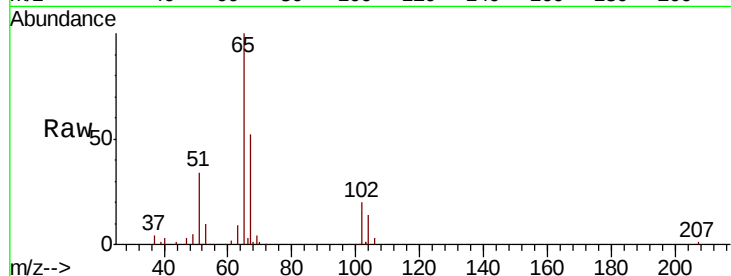
S409-K-SO-1-1.5-081220

Tot Ion: 65 Resp: 132090

Ion Ratio Lower Upper

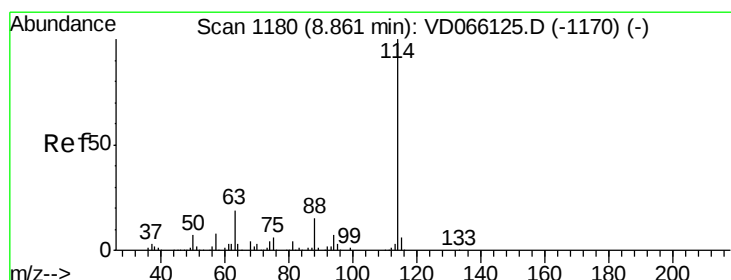
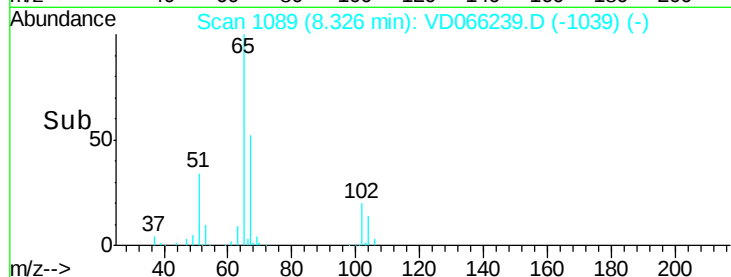
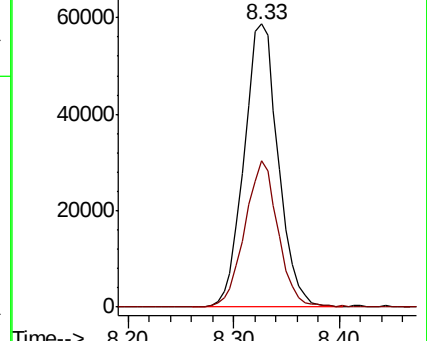
65 100

67 50.2 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: VD066239.D

Acq: 14 Aug 2020 16:26

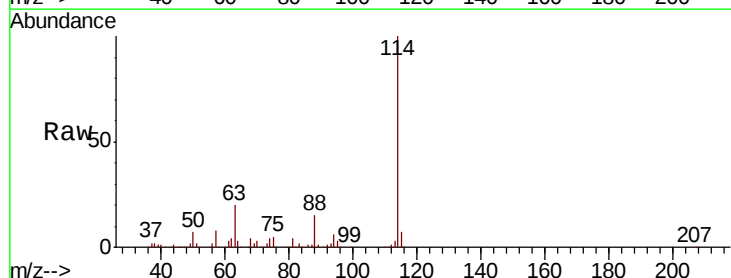
Tgt Ion: 114 Resp: 508228

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.6

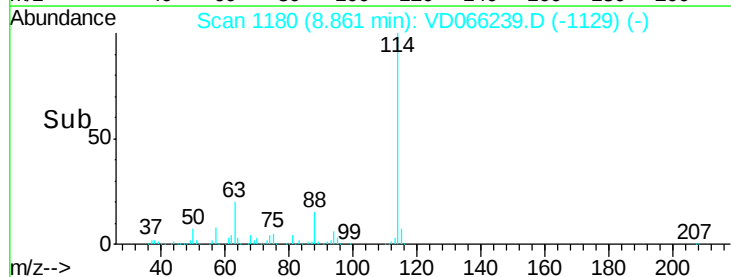
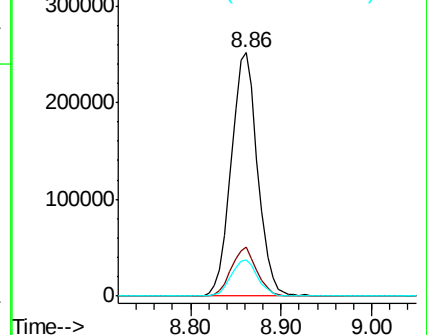
88 14.7 0.0 30.0

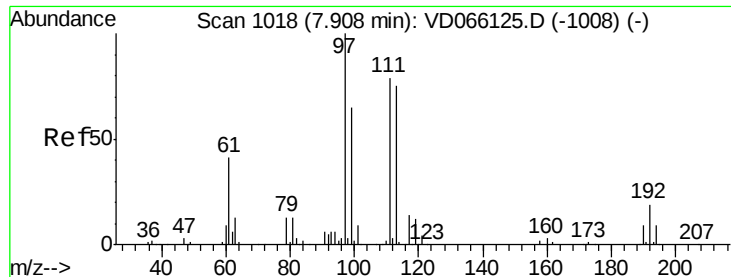


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

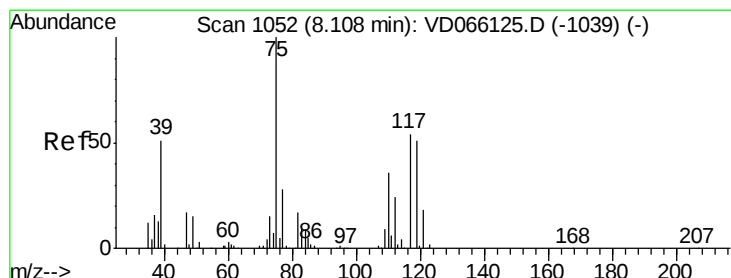
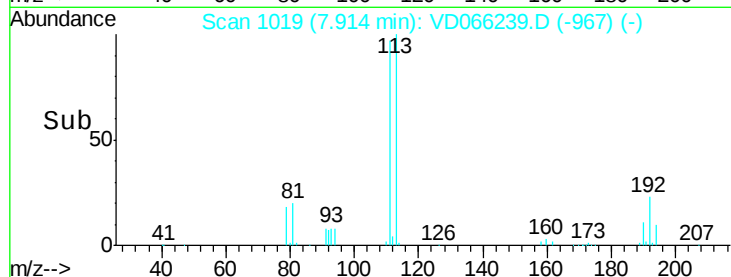
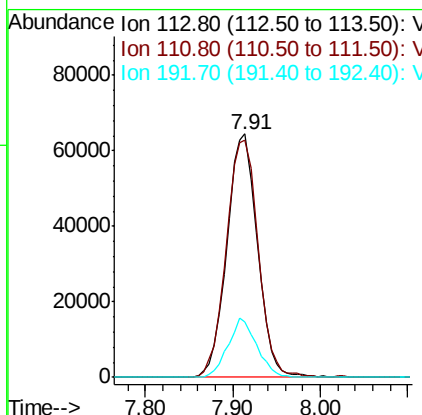
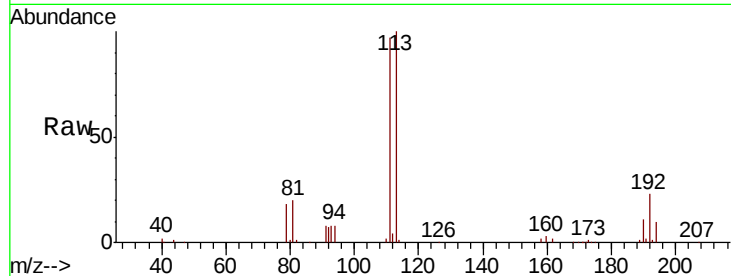




#35
 Dibromofluoromethane
 Concen: 47.404 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066239.D
 Acq: 14 Aug 2020 16:26

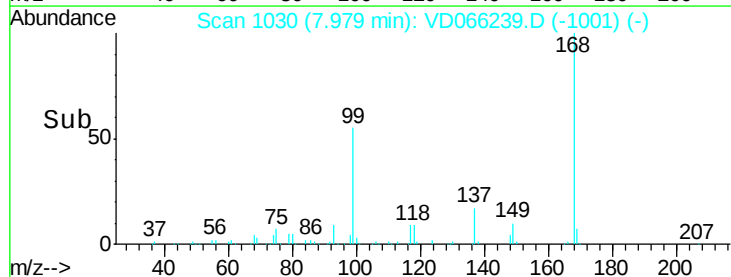
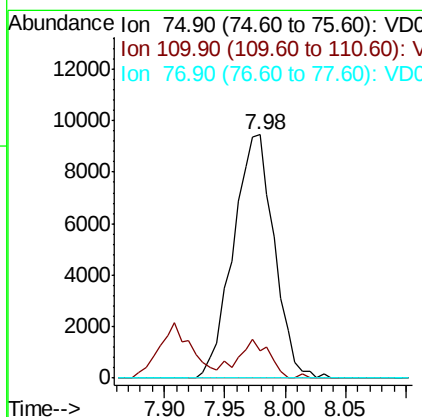
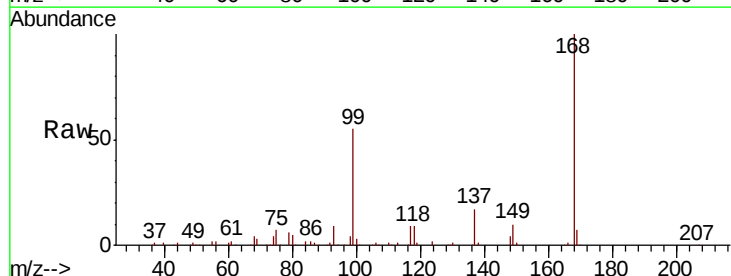
Instrument :
 MSVOA_D
 ClientSampleId :
 S409-K-SO-1-1.5-081220

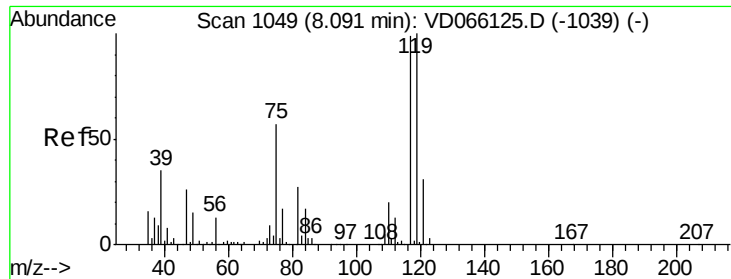
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.7	121.1
192	22.8	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066239.D
 Acq: 14 Aug 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	18.8	56.3#
77	0.0	24.2	36.2#

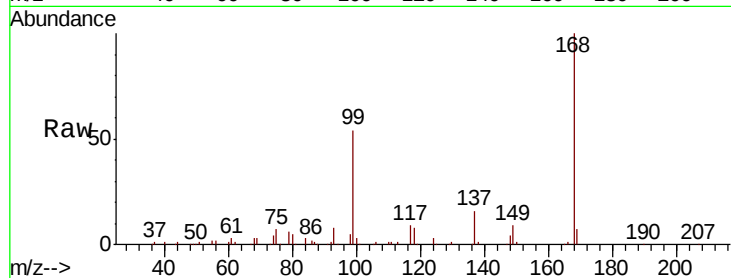




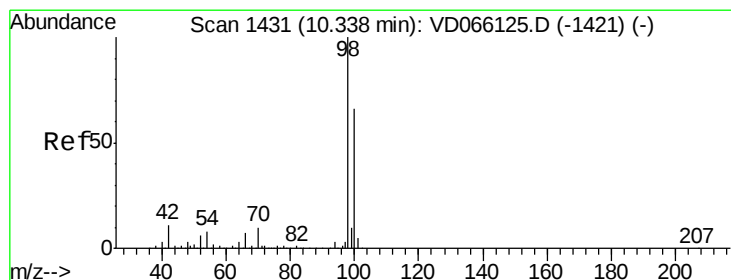
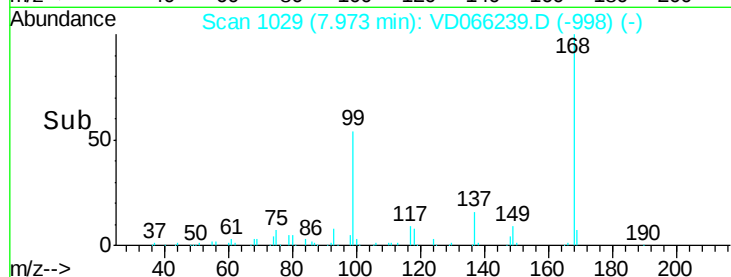
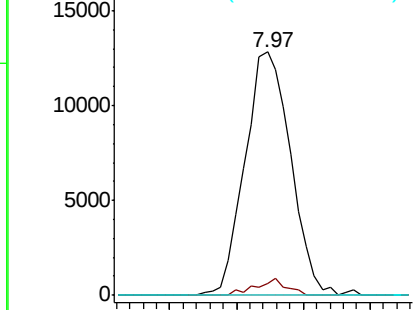
#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

Instrument :
MSVOA_D
ClientSampleId :
S409-K-SO-1-1.5-081220

Tot Ion:117 Resp: 30358
Ion Ratio Lower Upper
117 100
119 5.0 81.0 121.4#
121 0.0 24.8 37.2#

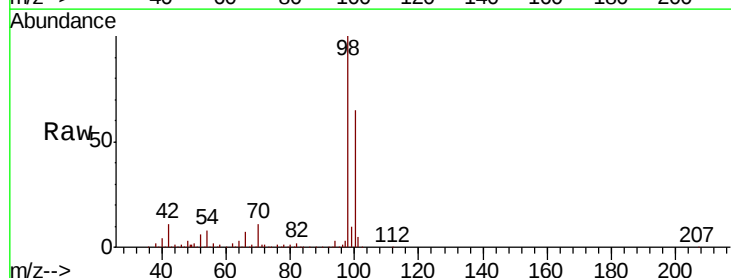


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

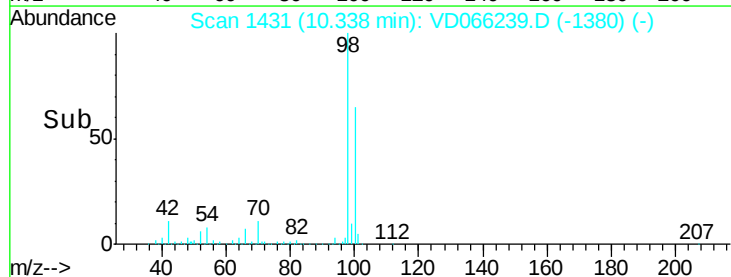
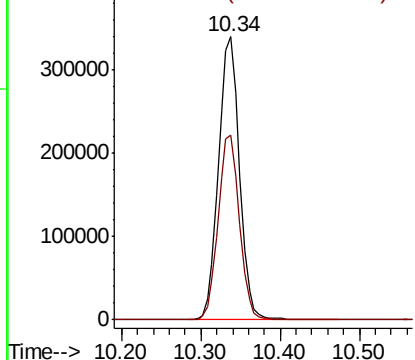


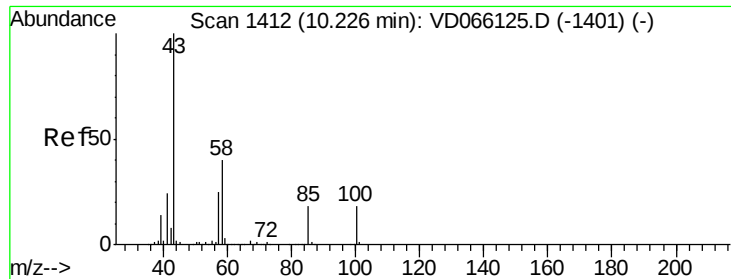
#50
Toluene-d8
Concen: 52.348 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

Tgt Ion: 98 Resp: 621944
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.588 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066239.D

Acq: 14 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

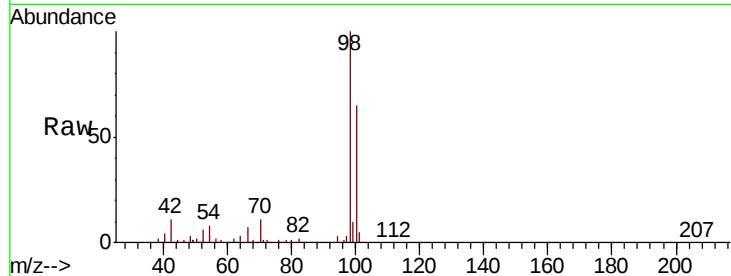
S409-K-SO-1-1.5-081220

Tot Ion: 43 Resp: 3041

Ion Ratio Lower Upper

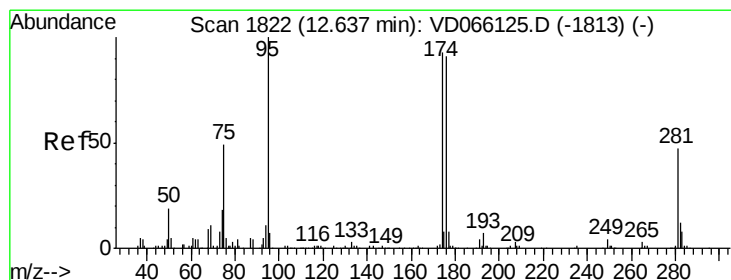
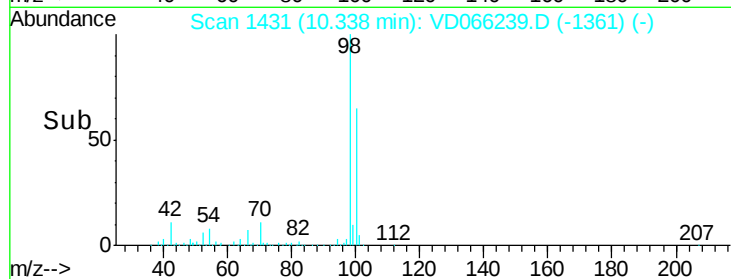
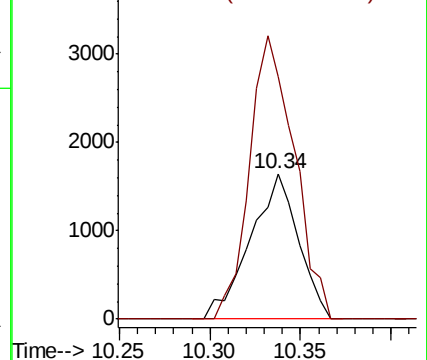
43 100

58 180.8 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: 69.658 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066239.D

Acq: 14 Aug 2020 16:26

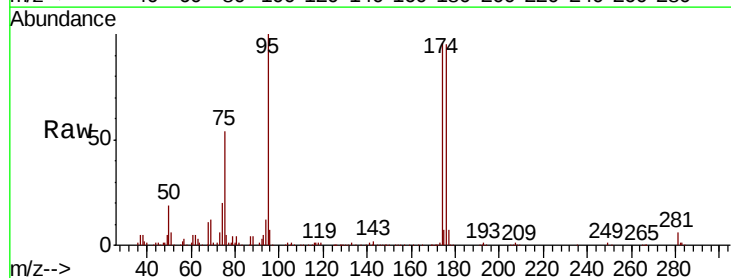
Tgt Ion: 95 Resp: 298319

Ion Ratio Lower Upper

95 100

174 93.1 0.0 180.8

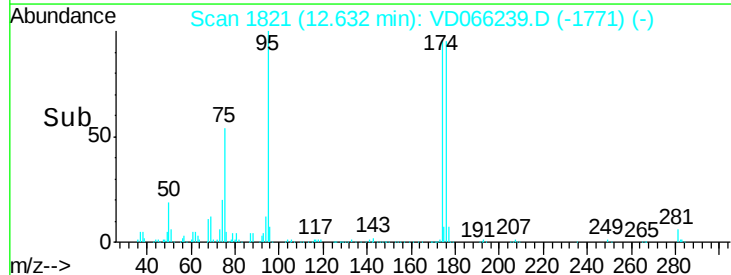
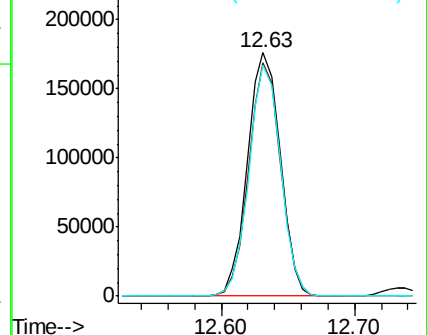
176 91.6 0.0 181.2

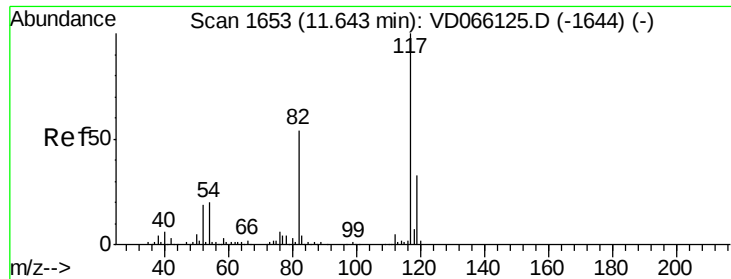


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

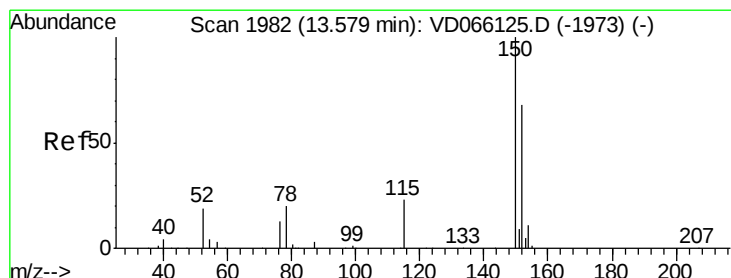
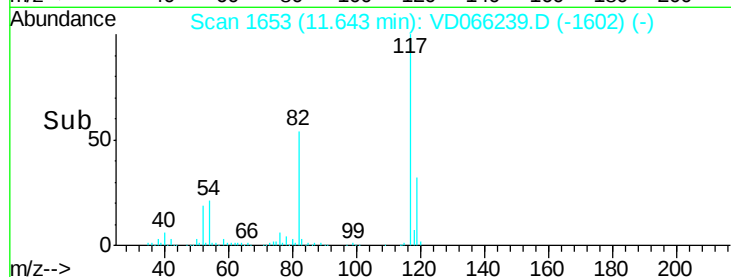
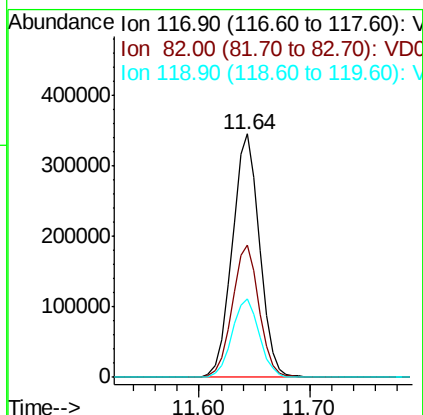
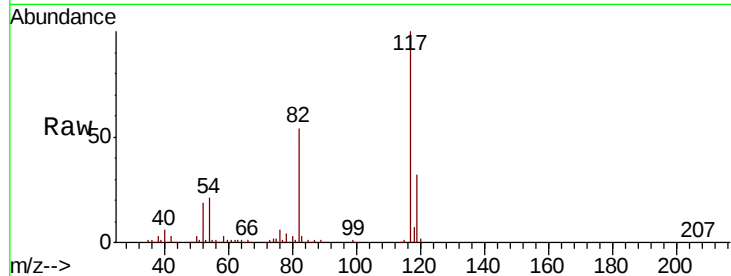




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

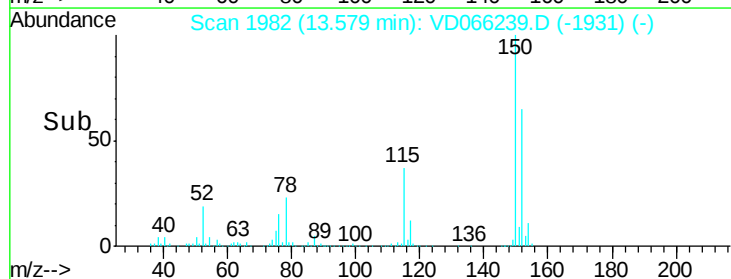
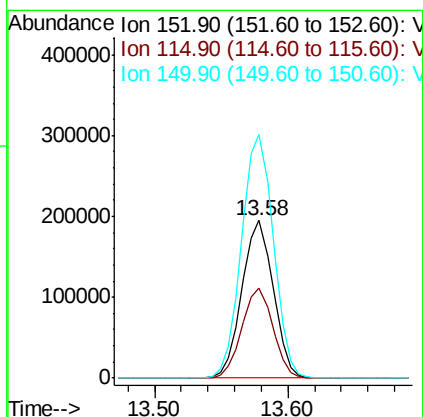
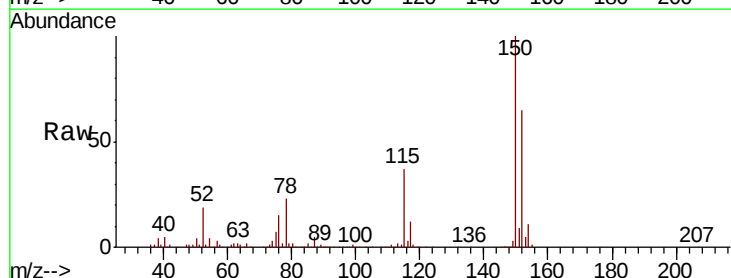
Instrument :
MSVOA_D
ClientSampleId :
S409-K-SO-1-1.5-081220

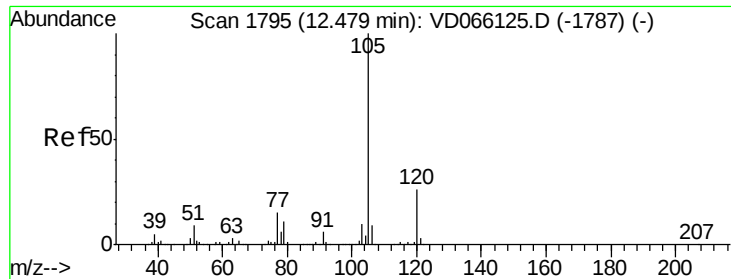
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.0	64.4
119	32.1	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066239.D
Acq: 14 Aug 2020 16:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.0	83.9
150	157.2	0.0	346.4





#73

Isopropylbenzene

Concen: 3.266 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD066239.D

Acq: 14 Aug 2020 16:26

Instrument:

MSVOA_D

ClientSampleId:

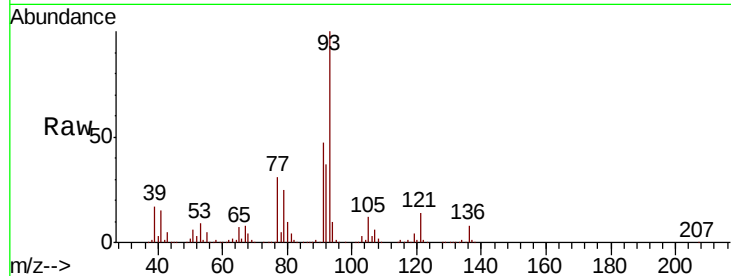
S409-K-SO-1-1.5-081220

Tot Ion: 105 Resp: 68836

Ion Ratio Lower Upper

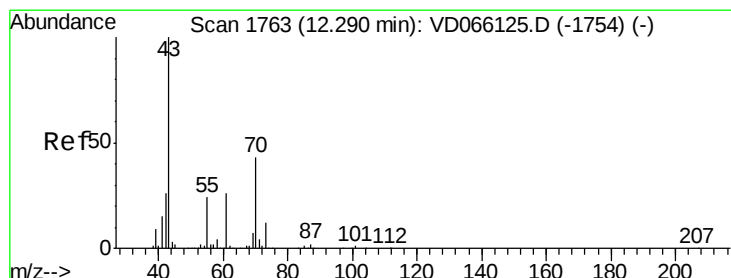
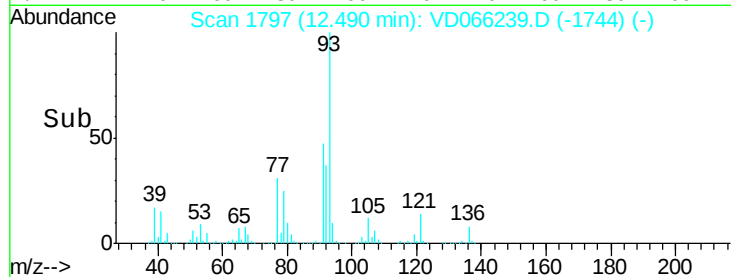
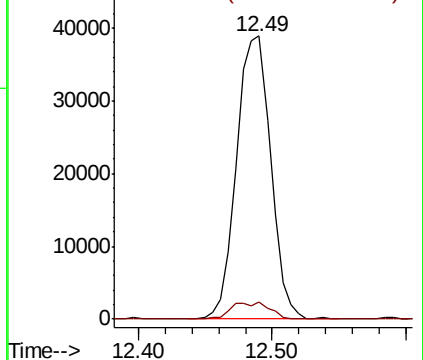
105 100

120 6.7 13.3 39.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.181 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.19 min

Lab File: VD066239.D

Acq: 14 Aug 2020 16:26

Tgt Ion: 43 Resp: 28690

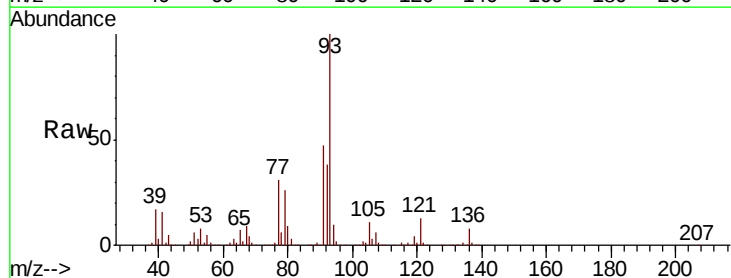
Ion Ratio Lower Upper

43 100

70 3.2 34.9 52.3#

55 110.4 19.2 28.8#

61 4.1 19.7 29.5#

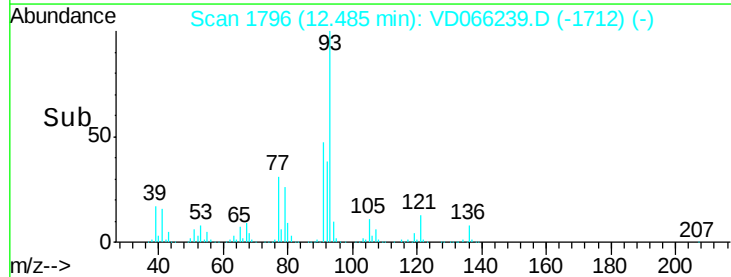
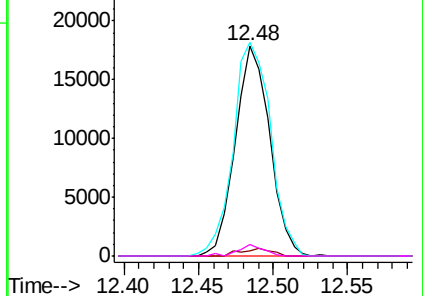


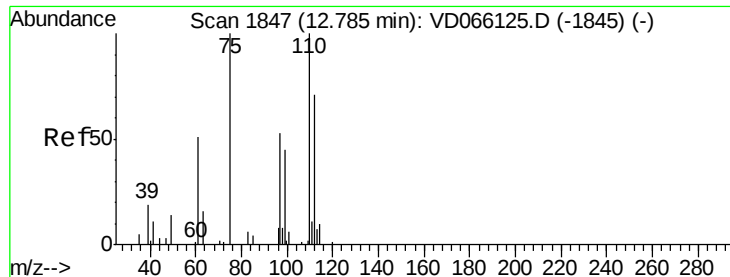
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 59.643 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066239.D

Acq: 14 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

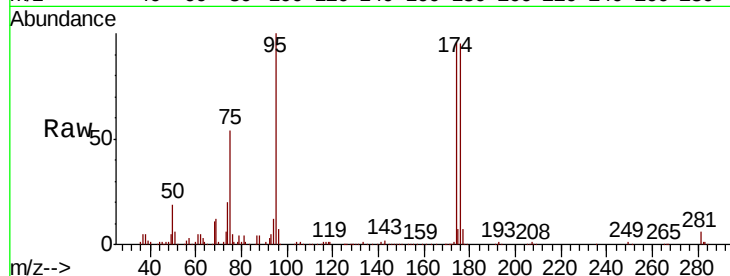
S409-K-SO-1-1.5-081220

Tot Ion: 75 Resp: 157054

Ion Ratio Lower Upper

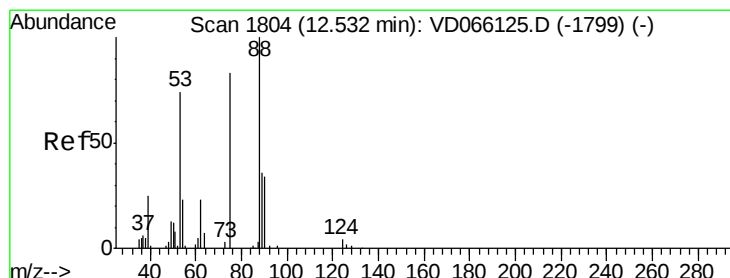
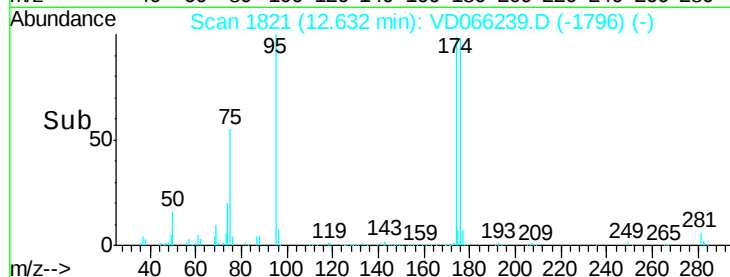
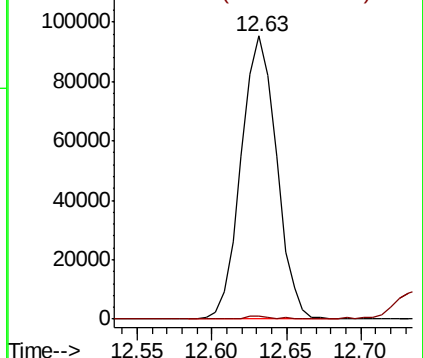
75 100

77 0.0 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: 131.844 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066239.D

Acq: 14 Aug 2020 16:26

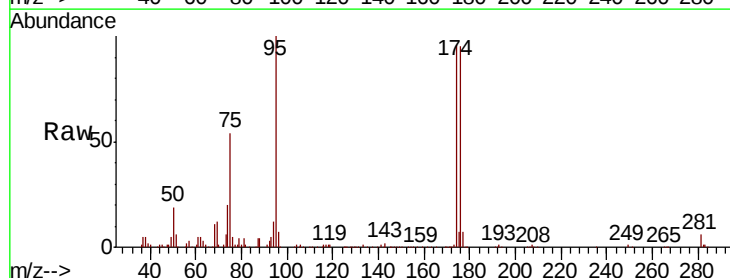
Tgt Ion: 75 Resp: 157054

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

