

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
 Data File : VD066319.D
 Acq On : 19 Aug 2020 15:30
 Operator : VA/SY
 Sample : L3700-08RE
 Misc : 8.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S408-K-SO-1-1.5-081420RE

Quant Time: Aug 19 16:01:17 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	7.98	168	101640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	148789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	113741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	33805	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	96529	106.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.90%	
35) Dibromofluoromethane	7.91	113	96607	102.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.98%	
50) Toluene-d8	10.34	98	285490	82.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.16%	
62) 4-Bromofluorobenzene	12.64	95	68378	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	

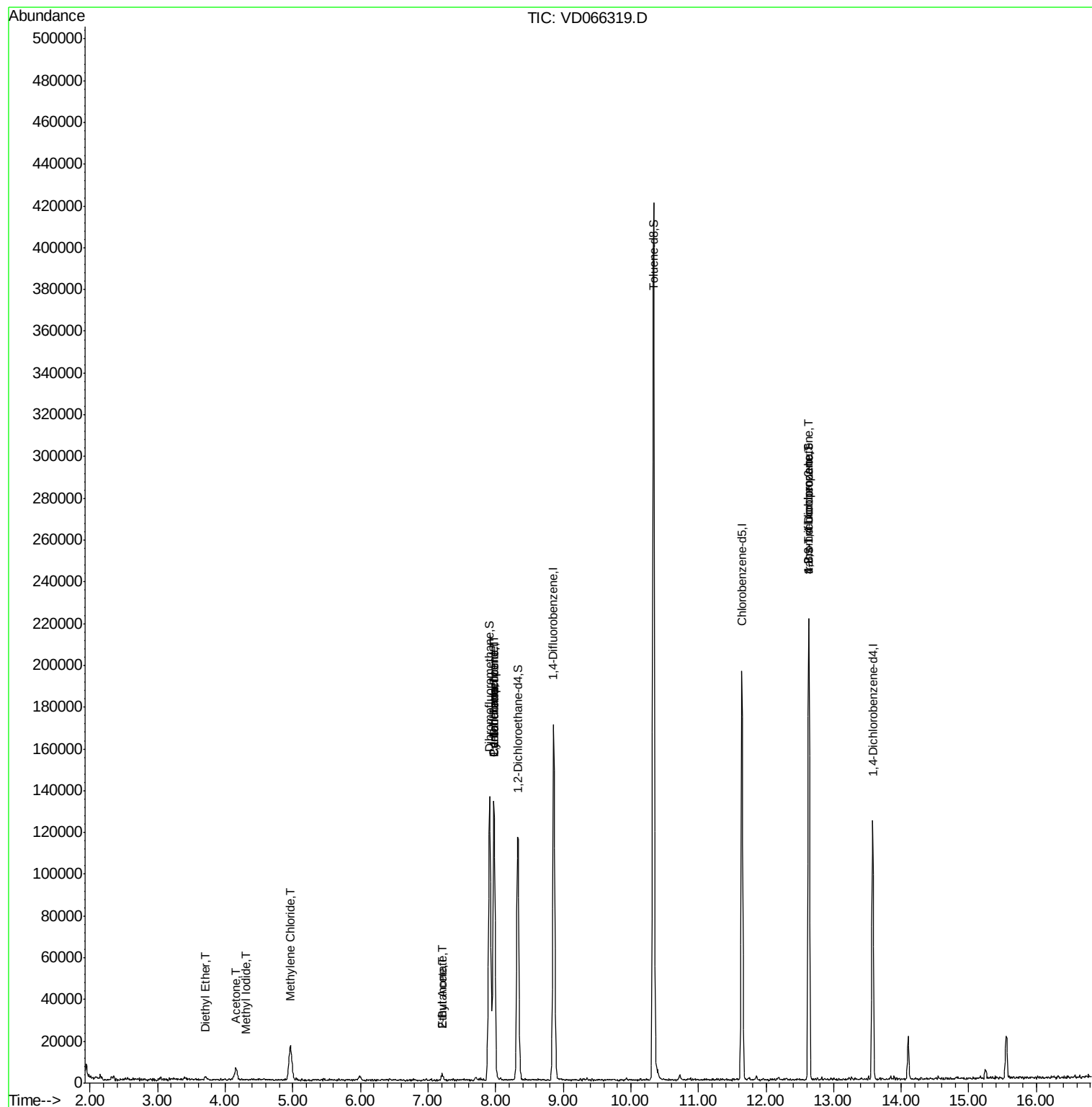
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	527	1.162	ug/l #	1
10) Methyl Iodide	4.31	142	64	6.775	ug/l #	39
11) Tert butyl alcohol	5.23	59	59	Below Cal	#	76
16) Acetone	4.16	43	10335	60.068	ug/l #	81
20) Methylene Chloride	4.97	84	12709	9.041	ug/l	93
25) 2-Butanone	7.21	43	2589	10.231	ug/l	93
31) Cyclohexane	7.98	56	2562	1.613	ug/l #	48
36) 1,1-Dichloropropene	7.97	75	7089	5.070	ug/l #	50
37) Ethyl Acetate	7.21	43	2589	4.674	ug/l #	72
38) Carbon Tetrachloride	7.98	117	10262	6.582	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	34976	124.068	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	34976	274.260	ug/l #	13

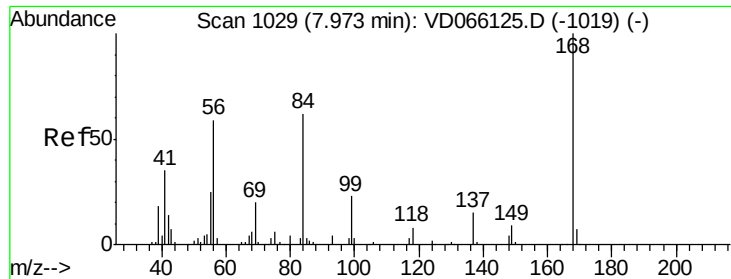
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
Data File : VD066319.D
Acq On : 19 Aug 2020 15:30
Operator : VA/SY
Sample : L3700-08RE
Misc : 8.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S408-K-SO-1-1.5-081420RE

Quant Time: Aug 19 16:01:17 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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066319.D

Acq: 19 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

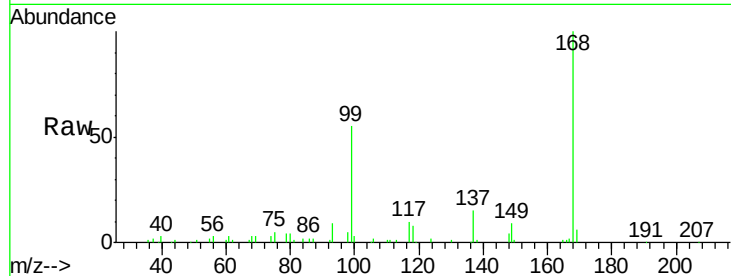
S408-K-SO-1-1.5-081420RE

Tgt Ion: 168 Resp: 101640

Ion Ratio Lower Upper

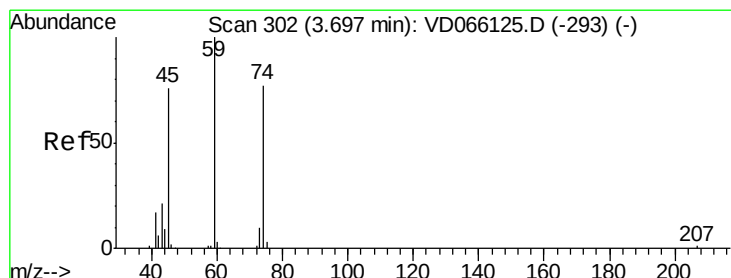
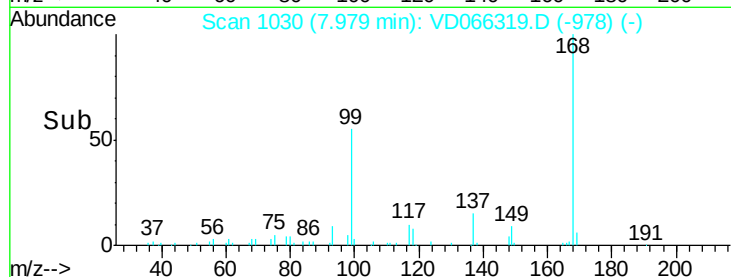
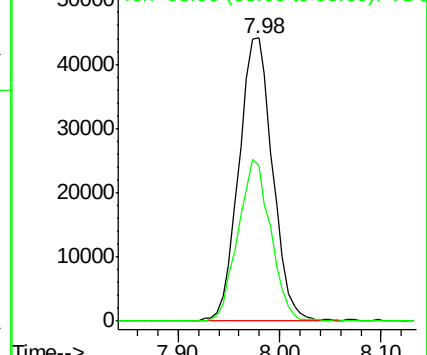
168 100

99 55.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.162 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066319.D

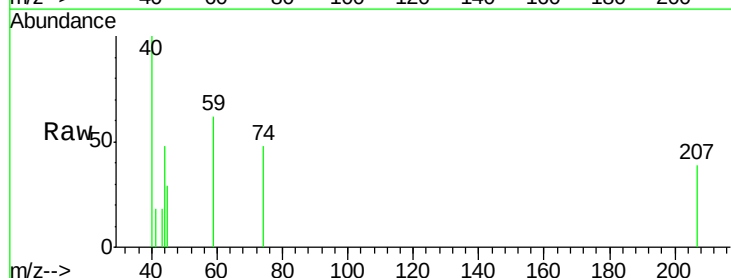
Acq: 19 Aug 2020 15:30

Tgt Ion: 74 Resp: 527

Ion Ratio Lower Upper

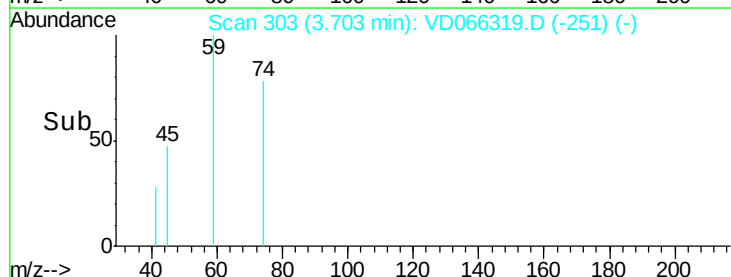
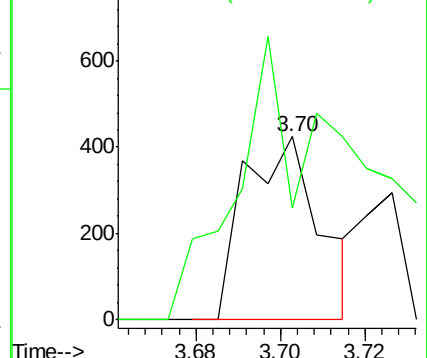
74 100

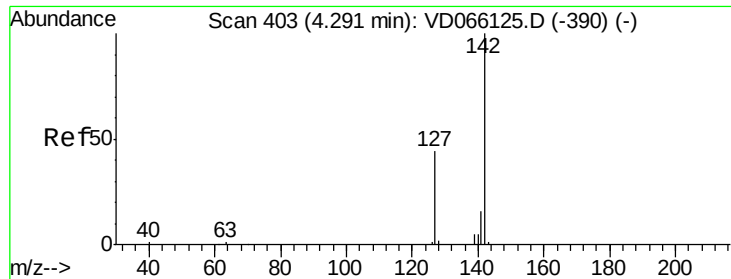
45 231.9 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

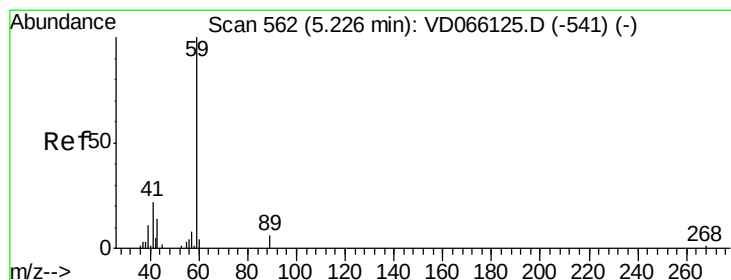
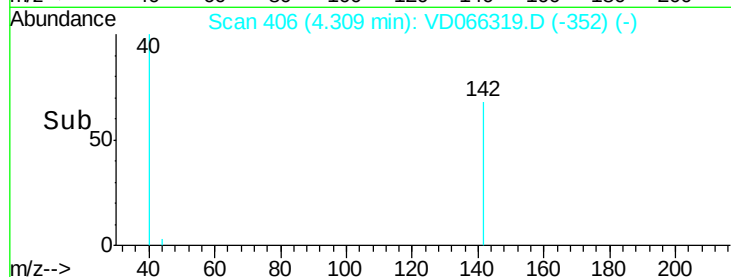
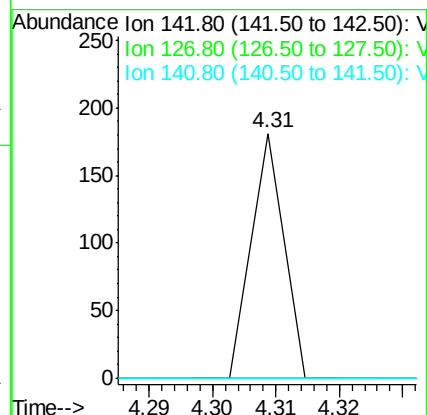
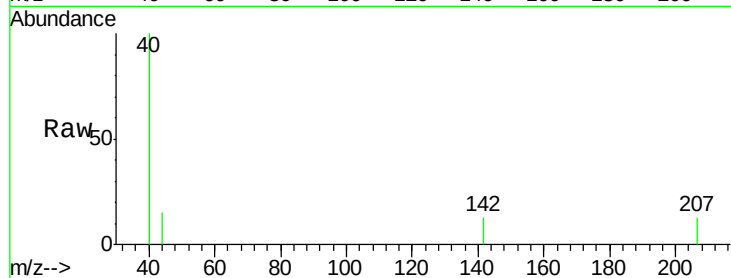




#10
Methyl Iodide
Concen: 6.775 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.02 min
Lab File: VD066319.D
Acq: 19 Aug 2020 15:30

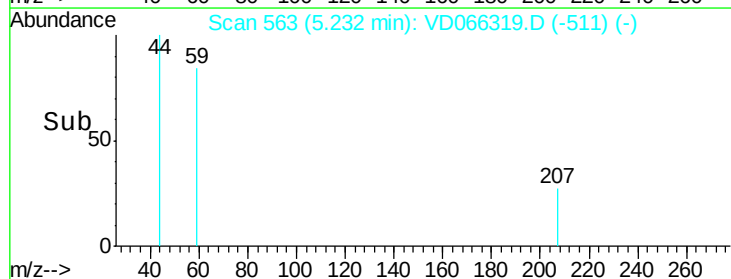
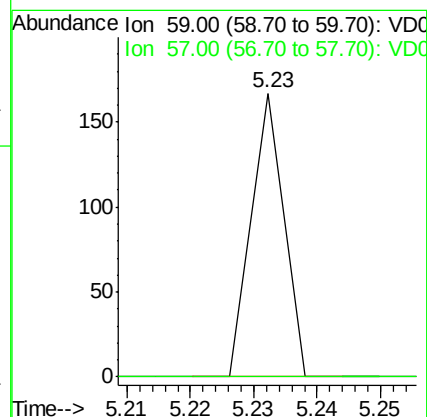
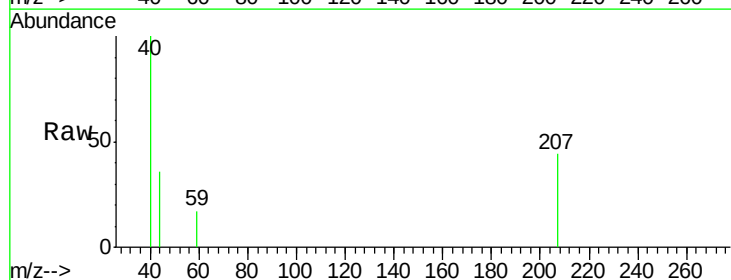
Instrument :
MSVOA_D
ClientSampleId :
S408-K-SO-1-1.5-081420RE

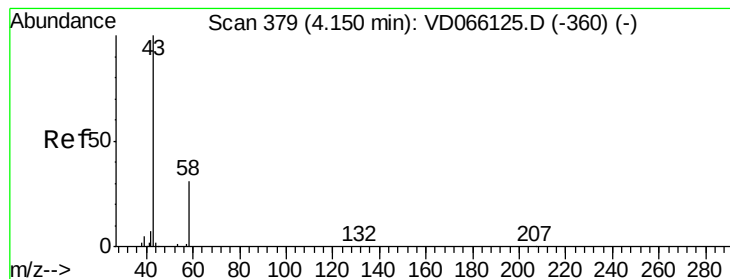
Tgt Ion: 142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD066319.D
Acq: 19 Aug 2020 15:30

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





#16

Acetone

Concen: 60.068 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066319.D

Acq: 19 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

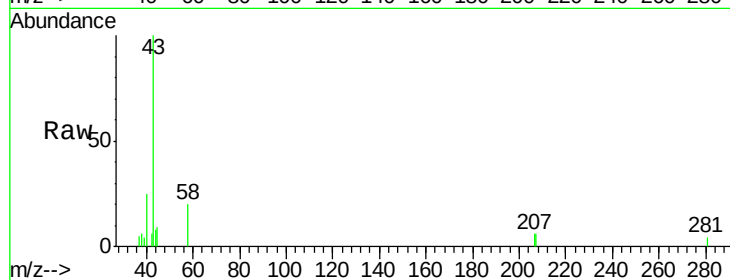
S408-K-SO-1-1.5-081420RE

Tgt Ion: 43 Resp: 10335

Ion Ratio Lower Upper

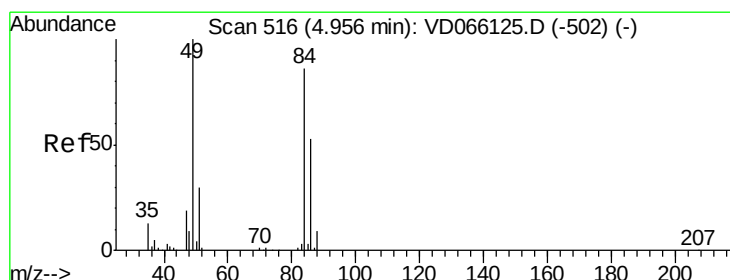
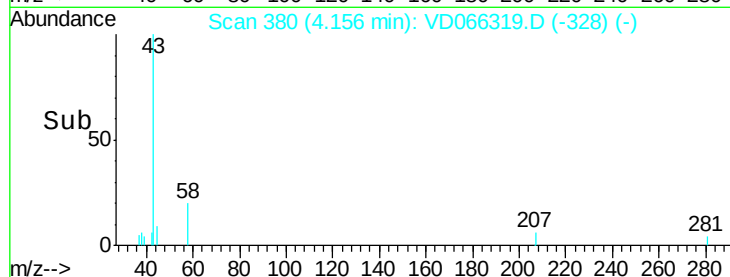
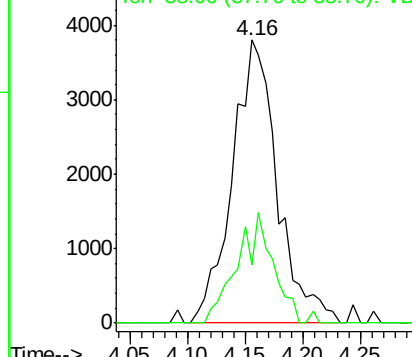
43 100

58 20.4 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 9.041 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066319.D

Acq: 19 Aug 2020 15:30

Tgt Ion: 84 Resp: 12709

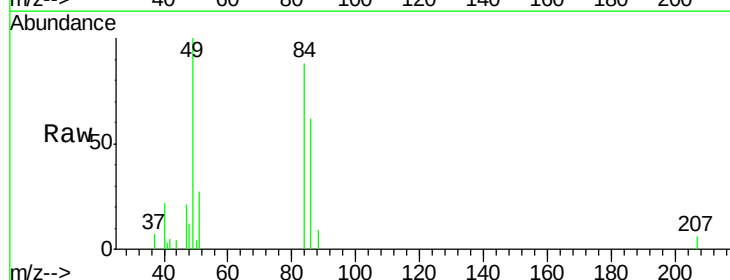
Ion Ratio Lower Upper

84 100

49 113.1 93.5 140.3

51 30.4 28.2 42.4

86 70.7 49.5 74.3

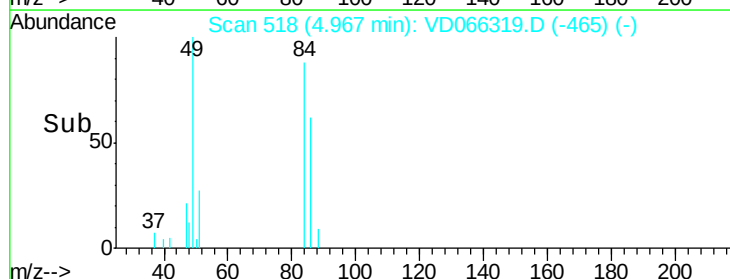
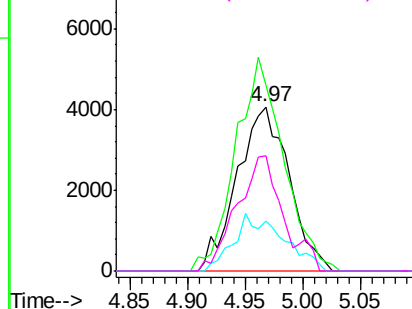


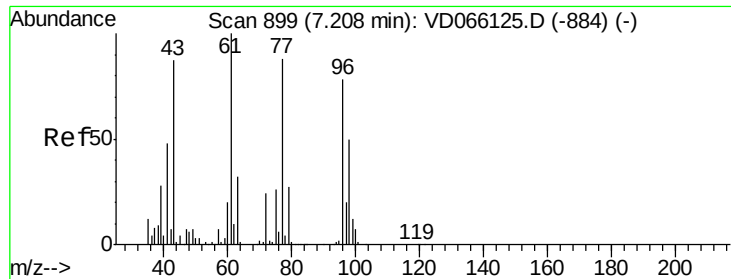
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

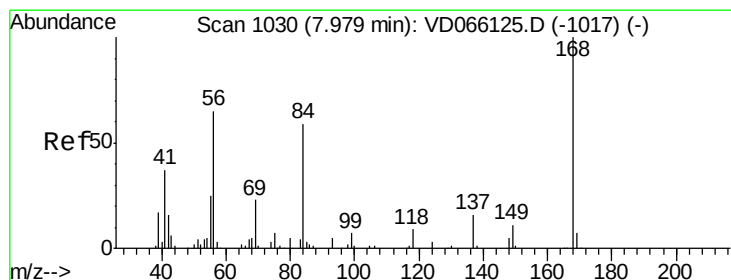
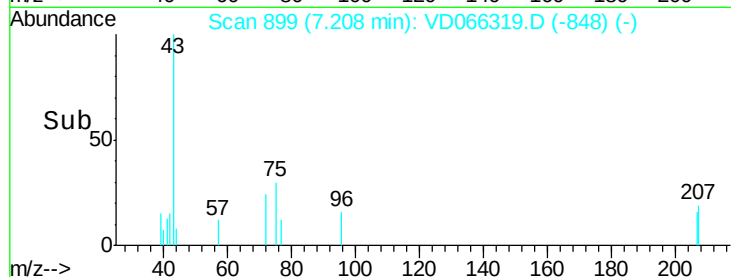
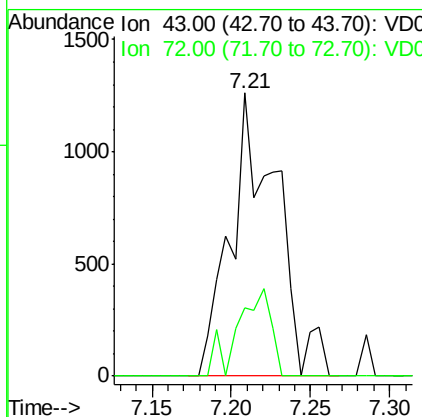
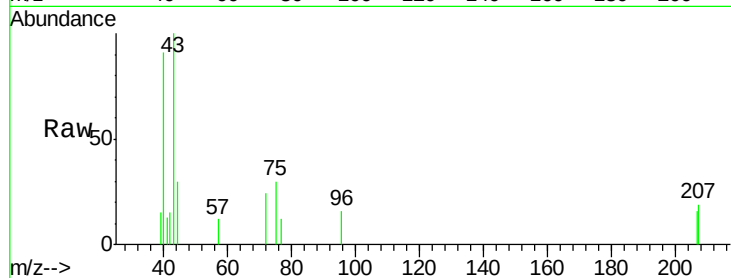




#25
2-Butanone
Concen: 10.231 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066319.D
Acq: 19 Aug 2020 15:30

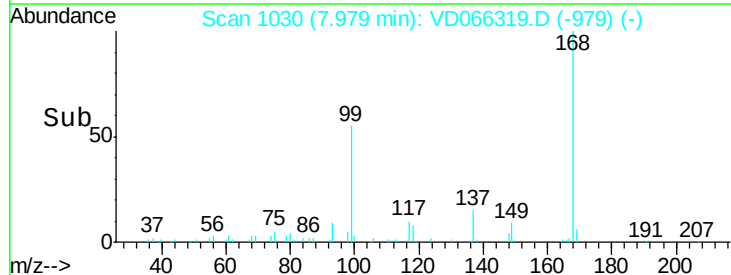
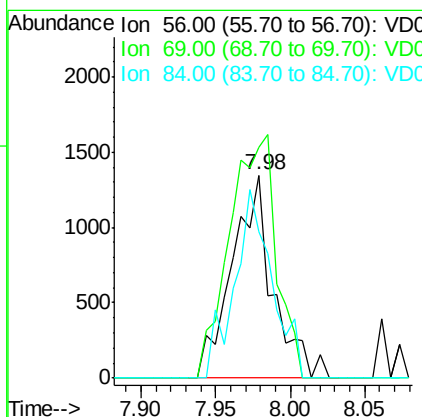
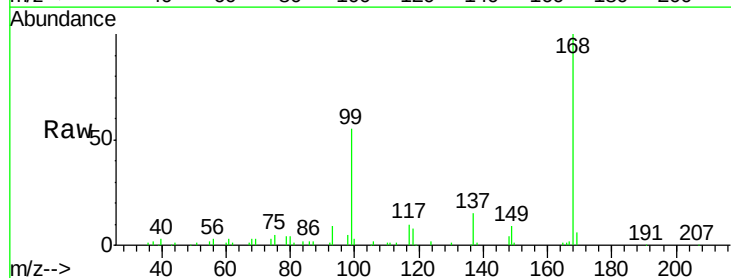
Instrument :
MSVOA_D
ClientSampleId :
S408-K-SO-1-1.5-081420RE

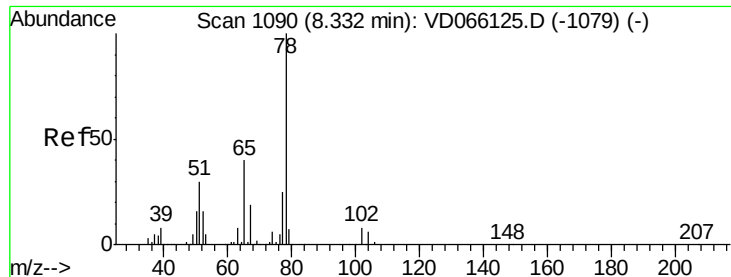
Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
72 23.9 22.2 33.2



#31
Cyclohexane
Concen: 1.613 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066319.D
Acq: 19 Aug 2020 15:30

Tgt Ion: 56 Resp: 2562
Ion Ratio Lower Upper
56 100
69 113.5 28.8 43.2#
84 71.8 73.0 109.6#

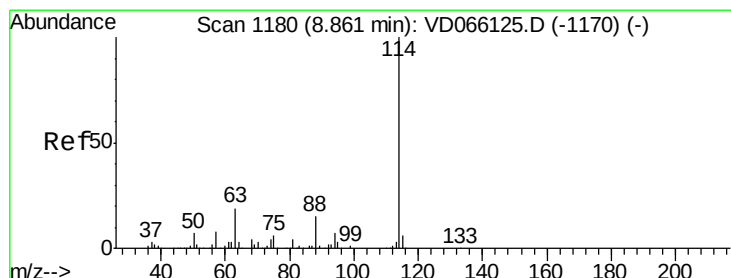
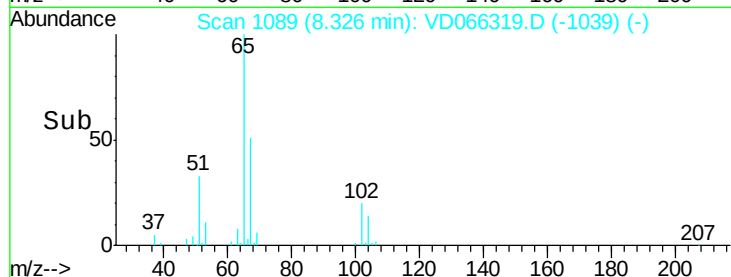
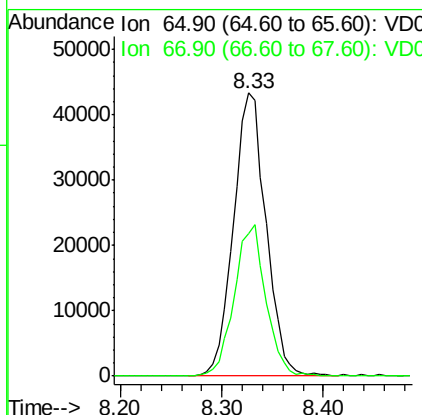
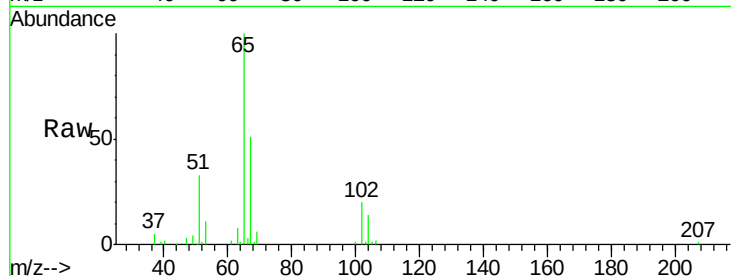




#33
 1,2-Dichloroethane-d4
 Concen: 106.452 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066319.D
 Acq: 19 Aug 2020 15:30

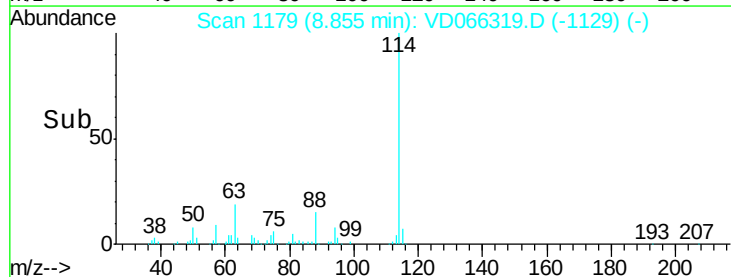
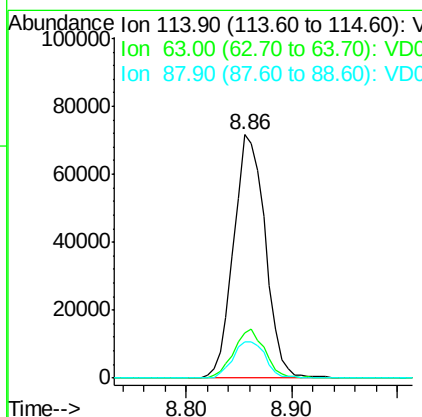
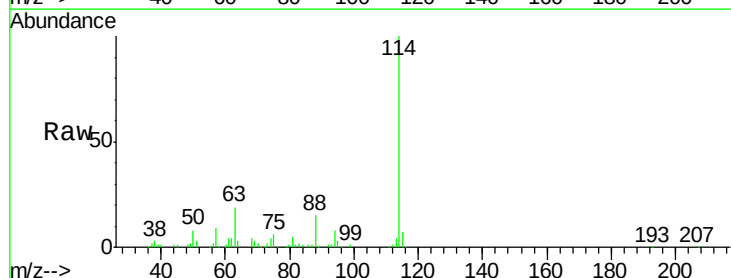
Instrument :
 MSVOA_D
 ClientSampleId :
 S408-K-SO-1-1.5-081420RE

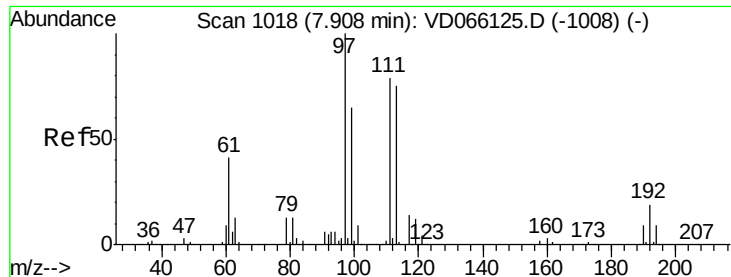
Tgt Ion: 65 Resp: 96529
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066319.D
 Acq: 19 Aug 2020 15:30

Tgt Ion: 114 Resp: 148789
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.6
 88 15.0 0.0 30.0

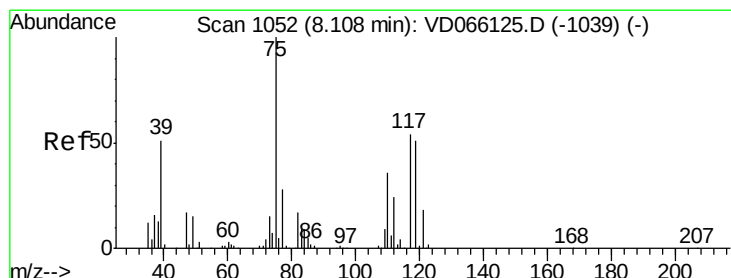
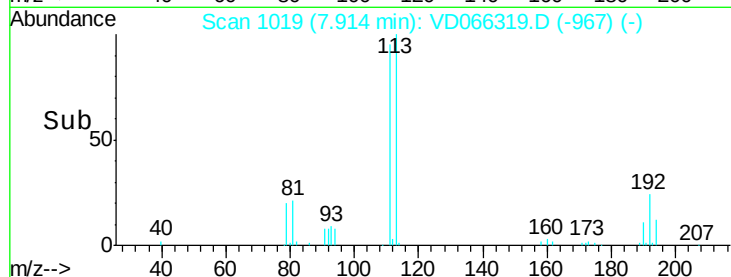
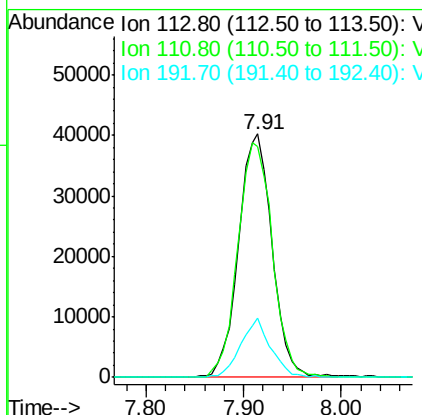
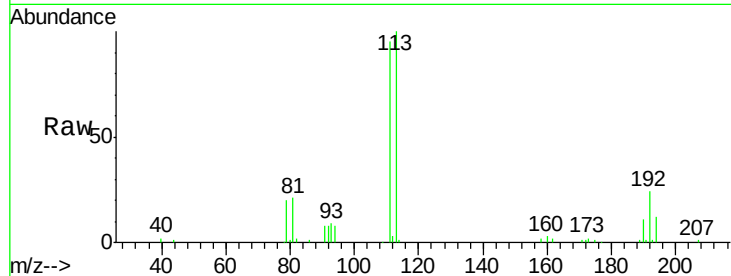




#35
 Dibromofluoromethane
 Concen: 102.494 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066319.D
 Acq: 19 Aug 2020 15:30

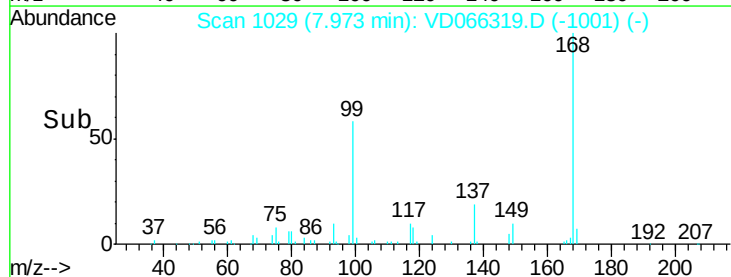
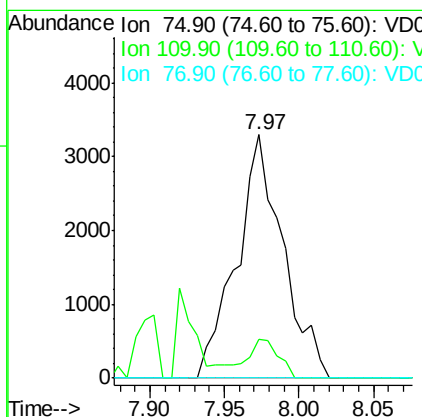
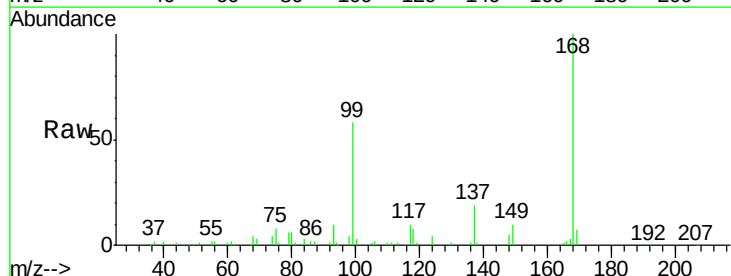
Instrument :
 MSVOA_D
 ClientSampleId :
 S408-K-SO-1-1.5-081420RE

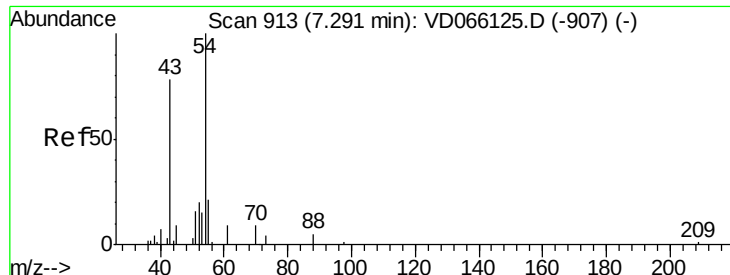
Tgt Ion:113 Resp: 96607
 Ion Ratio Lower Upper
 113 100
 111 99.9 80.7 121.1
 192 21.7 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 5.070 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066319.D
 Acq: 19 Aug 2020 15:30

Tgt Ion: 75 Resp: 7089
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.8 56.3#
 77 0.0 24.2 36.2#

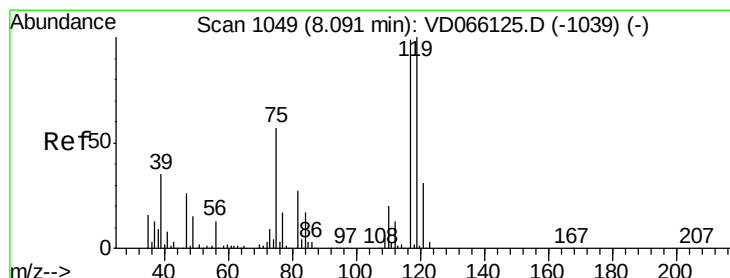
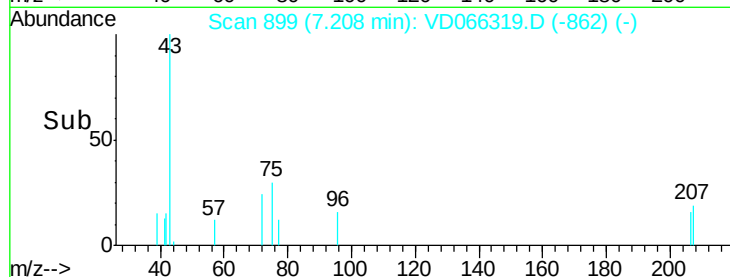
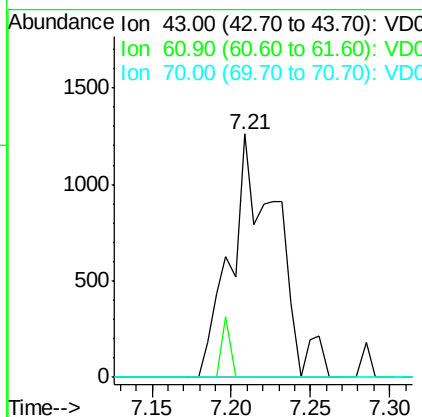
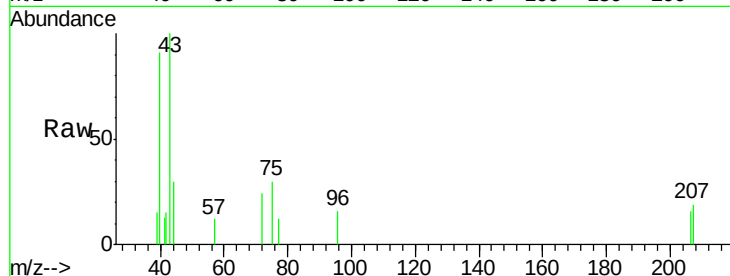




#37
Ethyl Acetate
 Concen: 4.674 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.08 min
 Lab File: VD066319.D
 Acq: 19 Aug 2020 15:30

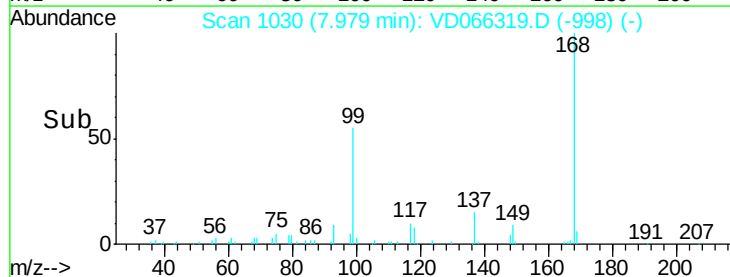
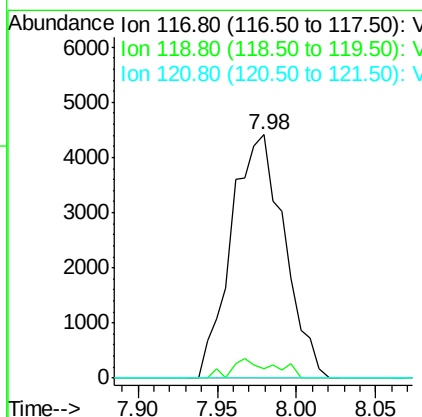
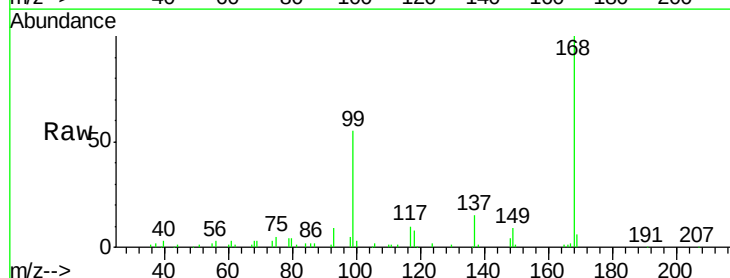
Instrument :
 MSVOA_D
 ClientSampleId :
 S408-K-SO-1-1.5-081420RE

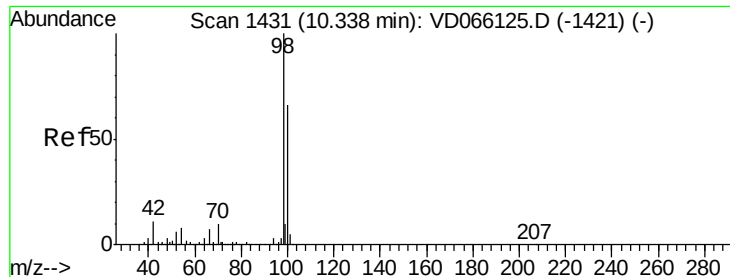
Tgt Ion: 43 Resp: 2589
 Ion Ratio Lower Upper
 43 100
 61 4.3 12.0 18.0#
 70 0.0 9.7 14.5#



#38
Carbon Tetrachloride
 Concen: 6.582 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066319.D
 Acq: 19 Aug 2020 15:30

Tgt Ion: 117 Resp: 10262
 Ion Ratio Lower Upper
 117 100
 119 3.9 81.0 121.4#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 82.078 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066319.D

Acq: 19 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

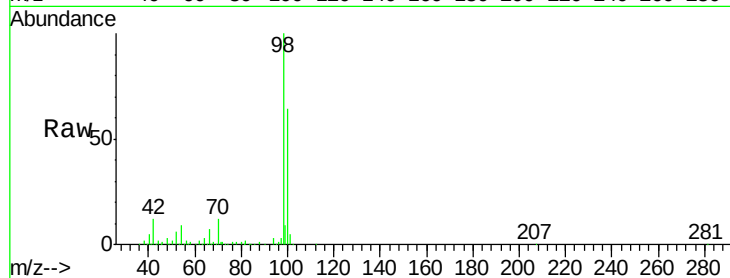
S408-K-SO-1-1.5-081420RE

Tgt Ion: 98 Resp: 285490

Ion Ratio Lower Upper

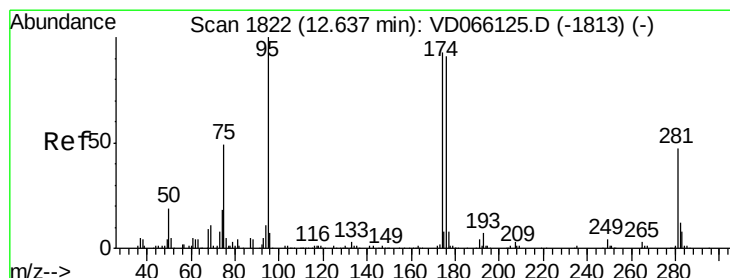
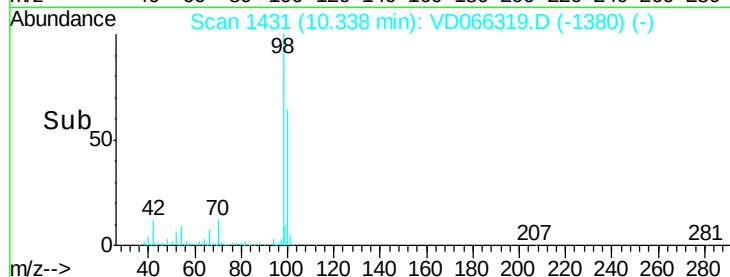
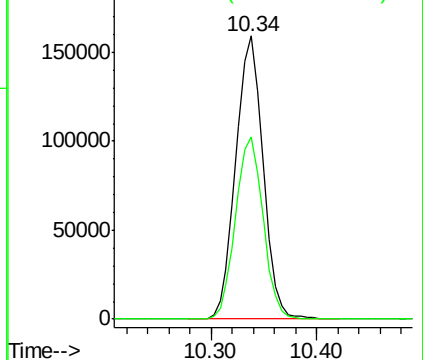
98 100

100 64.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 54.537 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066319.D

Acq: 19 Aug 2020 15:30

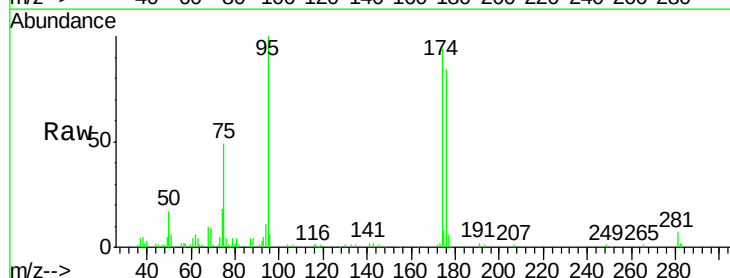
Tgt Ion: 95 Resp: 68378

Ion Ratio Lower Upper

95 100

174 92.3 0.0 180.8

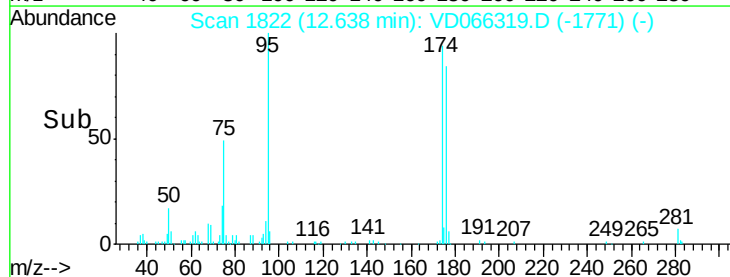
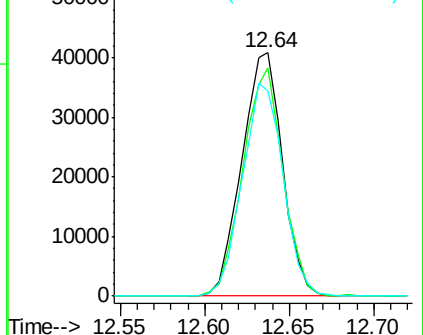
176 87.6 0.0 181.2

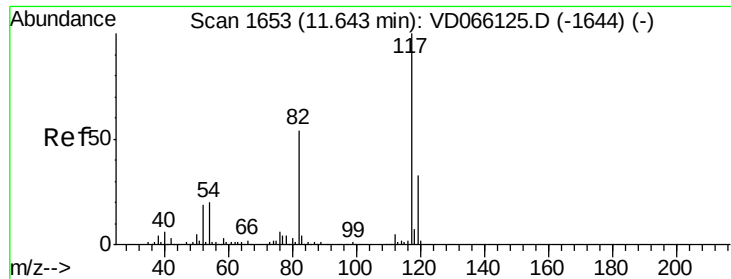


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

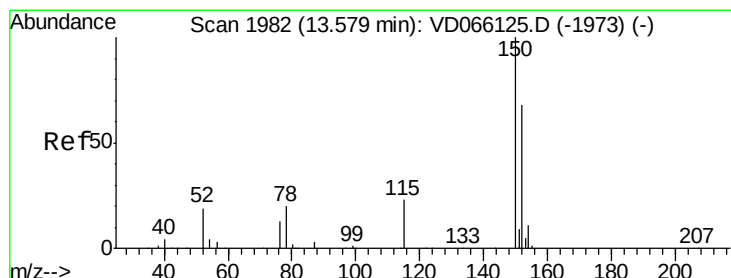
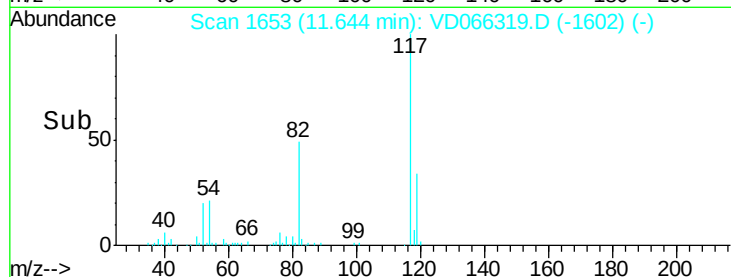
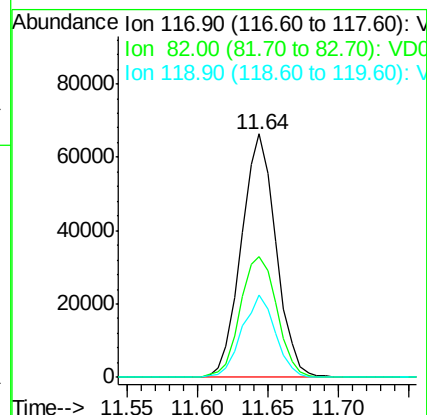
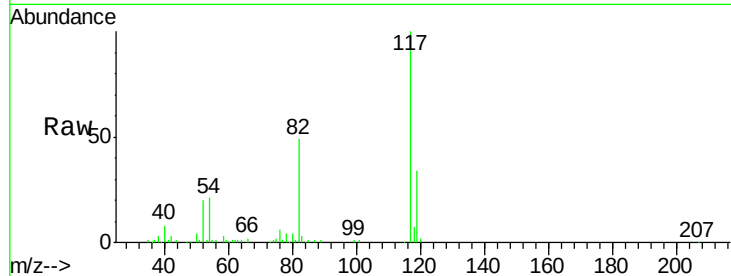




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066319.D
Acq: 19 Aug 2020 15:30

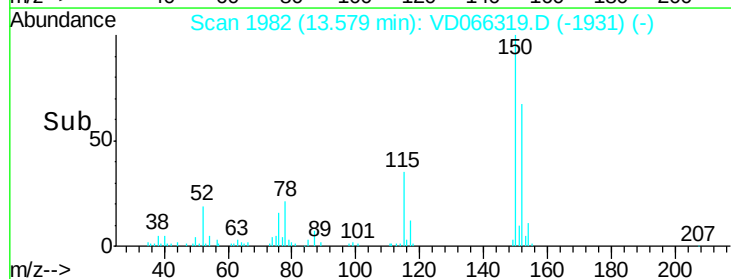
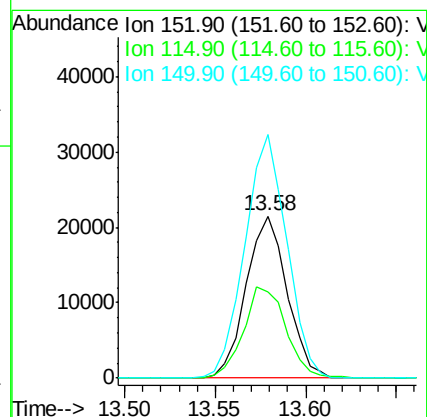
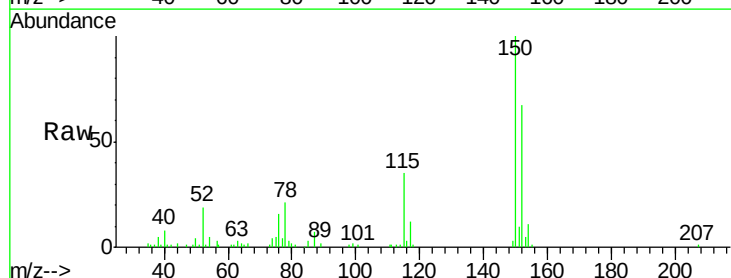
Instrument :
MSVOA_D
ClientSampleId :
S408-K-SO-1-1.5-081420RE

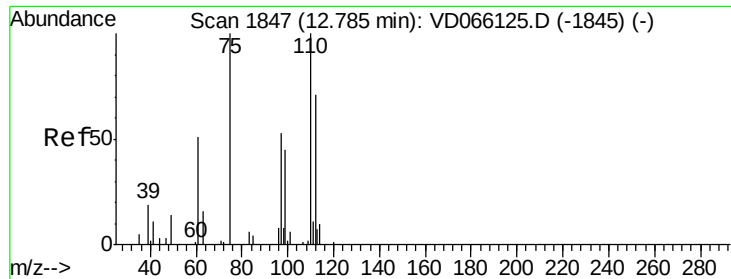
Tgt Ion:117 Resp: 113741
Ion Ratio Lower Upper
117 100
82 49.4 43.0 64.4
119 33.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066319.D
Acq: 19 Aug 2020 15:30

Tgt Ion:152 Resp: 33805
Ion Ratio Lower Upper
152 100
115 58.3 28.0 83.9
150 153.6 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 124.068 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066319.D

Acq: 19 Aug 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

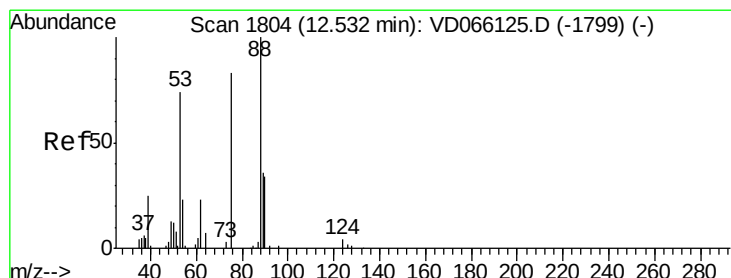
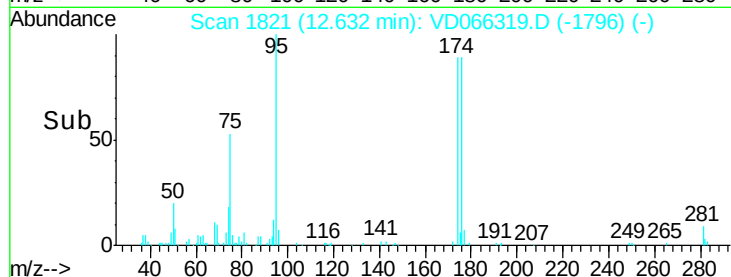
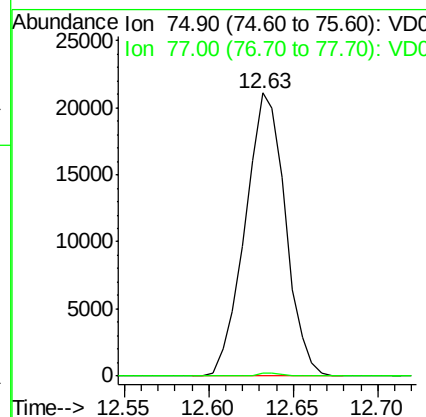
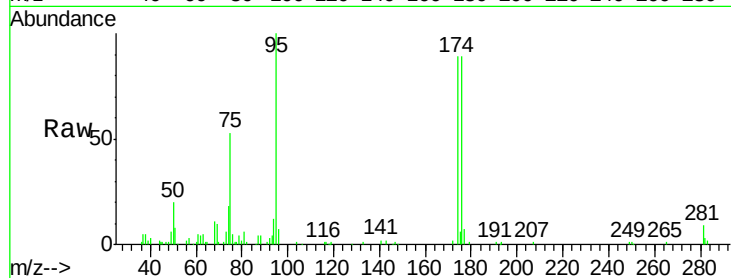
S408-K-SO-1-1.5-081420RE

Tgt Ion: 75 Resp: 34976

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 274.260 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066319.D

Acq: 19 Aug 2020 15:30

Tgt Ion: 75 Resp: 34976

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#

