

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
 Data File : VD066320.D
 Acq On : 19 Aug 2020 15:57
 Operator : VA/SY
 Sample : L3700-05RE
 Misc : 7.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S405-K-SO-1-1.5-081420RE

Quant Time: Aug 19 16:30:44 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	184138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	268166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	215867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	71090	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	101880	62.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.04%	
35) Dibromofluoromethane	7.91	113	101134	59.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.06%	
50) Toluene-d8	10.34	98	308584	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.63	95	83021	36.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.48%	

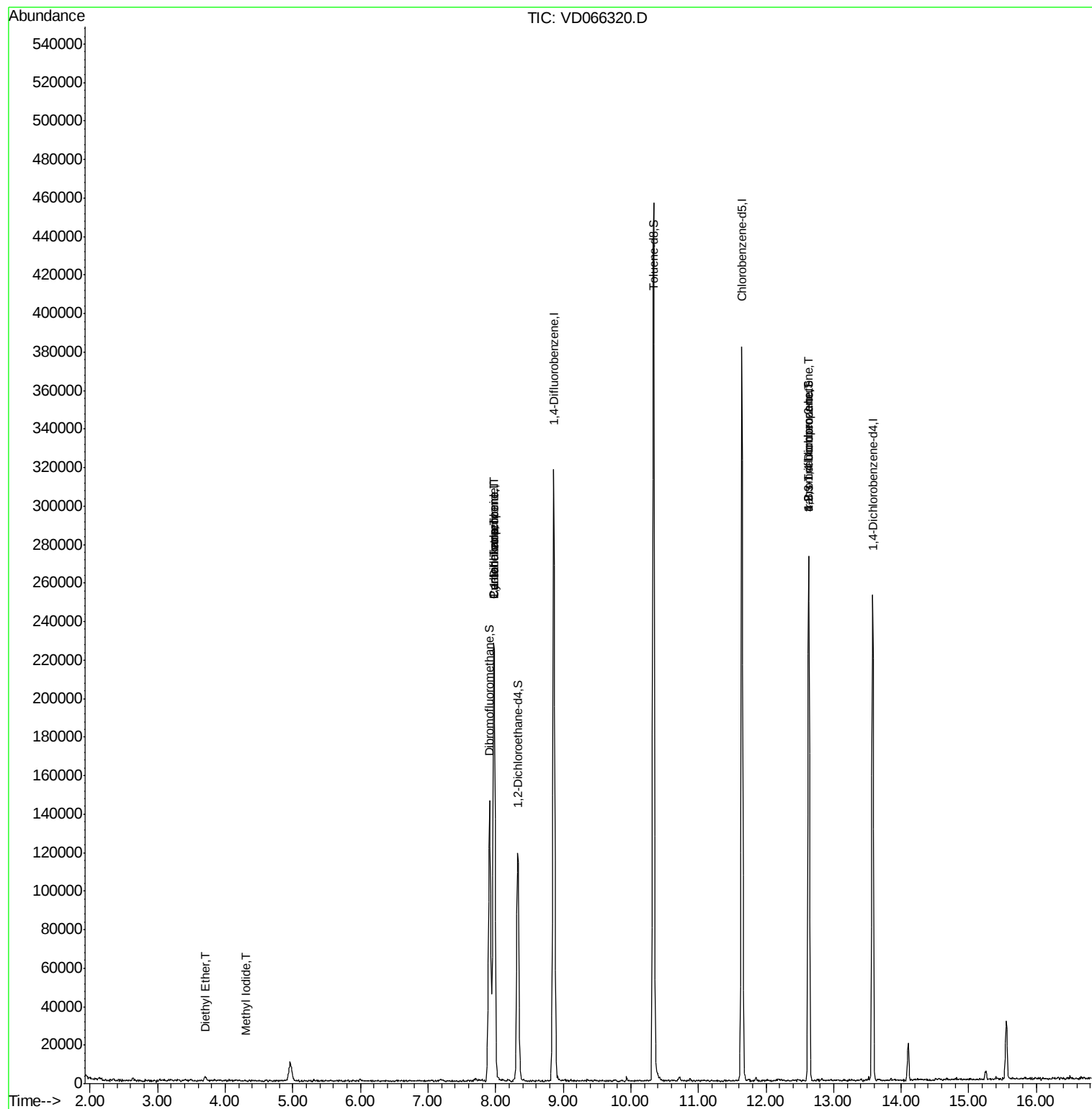
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1123	1.366	ug/l	55
10) Methyl Iodide	4.30	142	54	6.741	ug/l #	39
11) Tert butyl alcohol	5.22	59	64	Below Cal	#	76
20) Methylene Chloride	4.95	84	3218	Below Cal	#	84
31) Cyclohexane	7.97	56	3360	1.167	ug/l #	12
36) 1,1-Dichloropropene	7.97	75	12517	4.967	ug/l #	49
38) Carbon Tetrachloride	7.97	117	17694	6.296	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	42006	70.856	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	42006	156.630	ug/l #	13

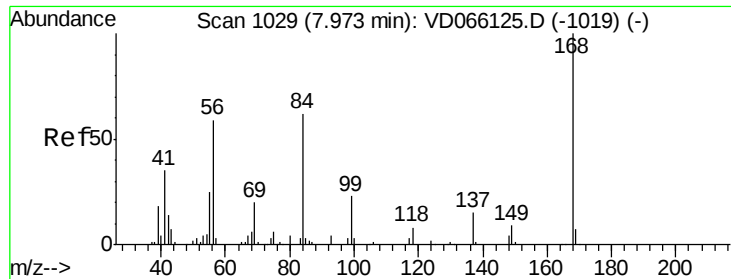
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066320.D

Acq: 19 Aug 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

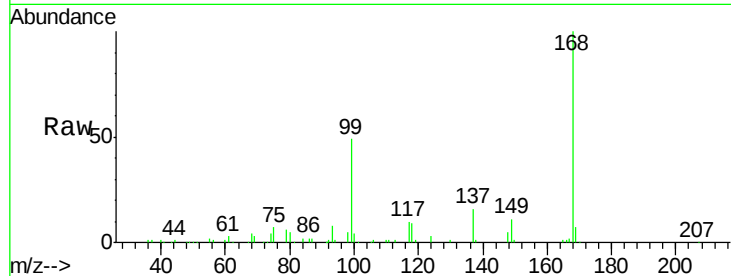
S405-K-SO-1-1.5-081420RE

Tgt Ion:168 Resp: 184138

Ion Ratio Lower Upper

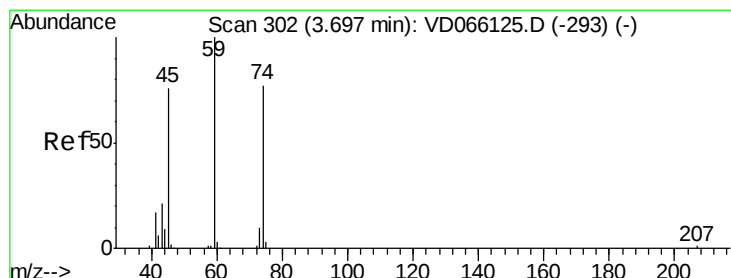
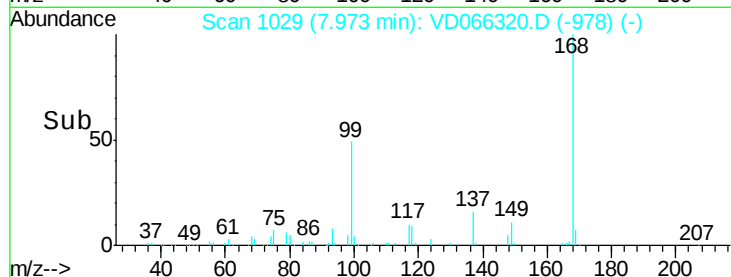
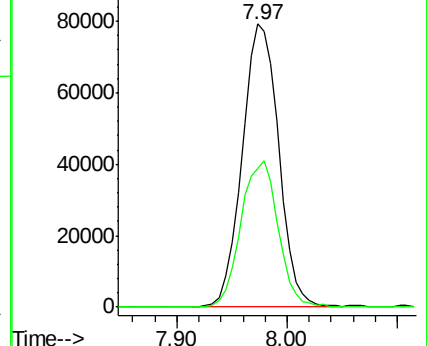
168 100

99 49.0 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: 1.366 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066320.D

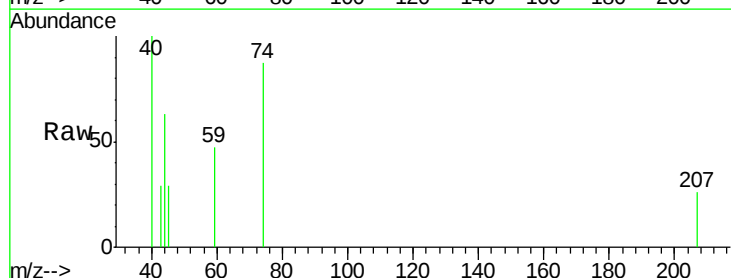
Acq: 19 Aug 2020 15:57

Tgt Ion: 74 Resp: 1123

Ion Ratio Lower Upper

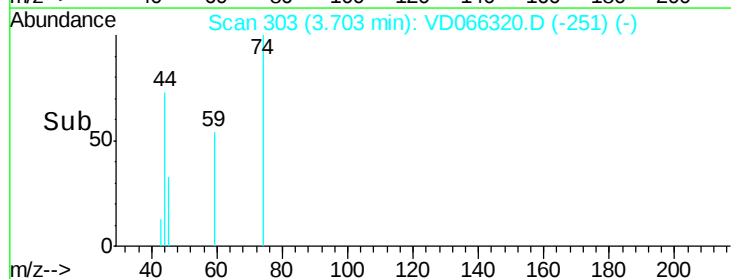
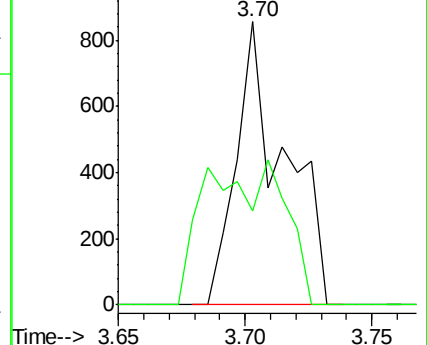
74 100

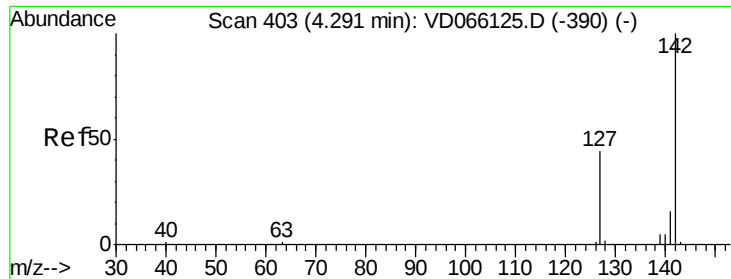
45 52.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

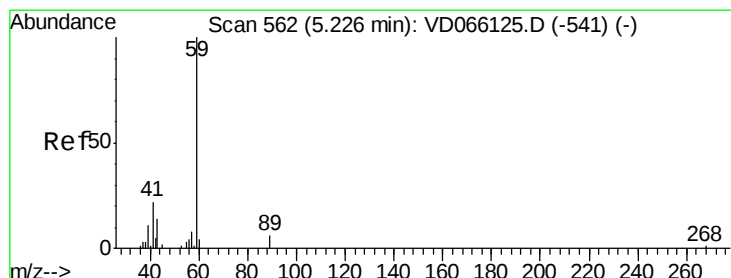
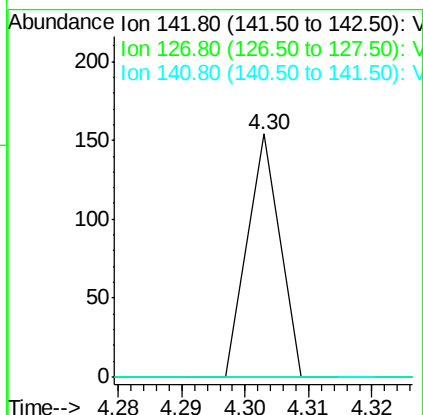
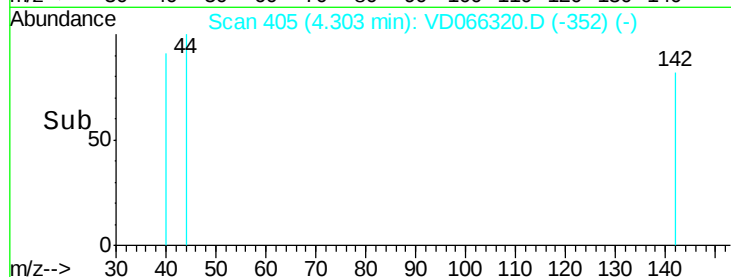
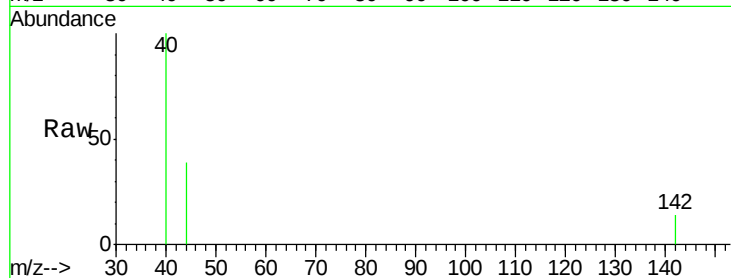




#10
Methyl Iodide
Concen: 6.741 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.01 min
Lab File: VD066320.D
Acq: 19 Aug 2020 15:57

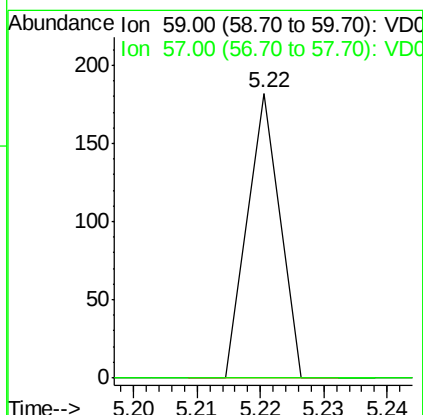
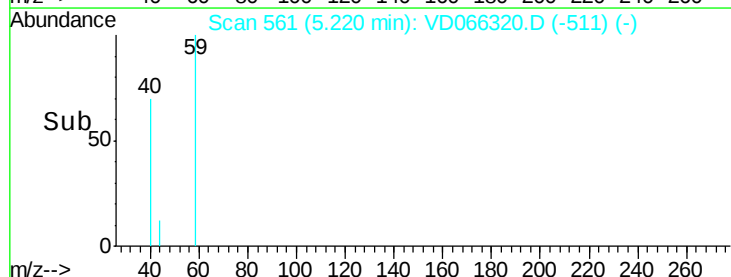
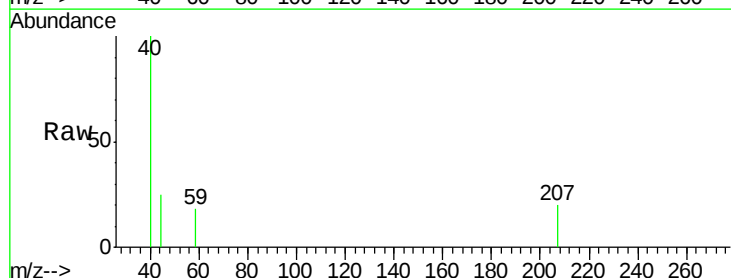
Instrument :
MSVOA_D
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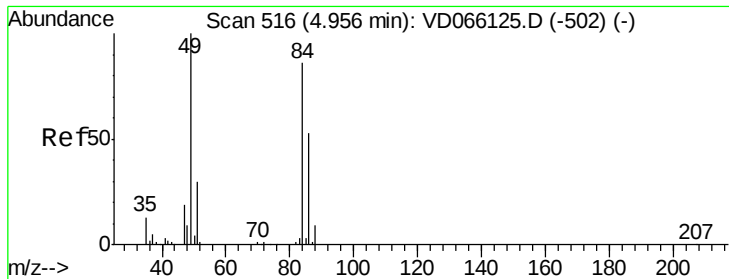
Tgt Ion: 142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066320.D
Acq: 19 Aug 2020 15:57

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

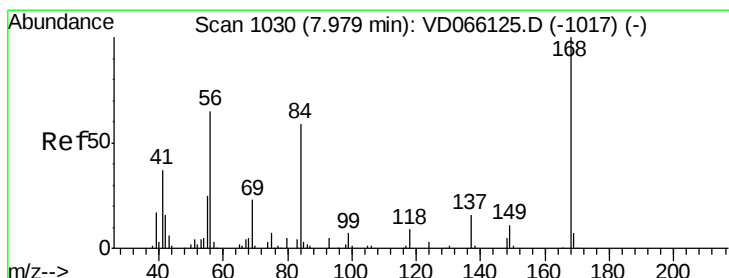
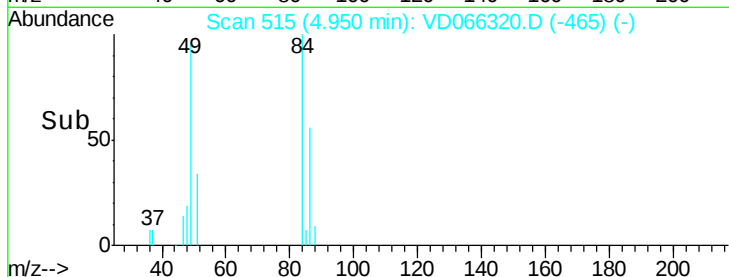
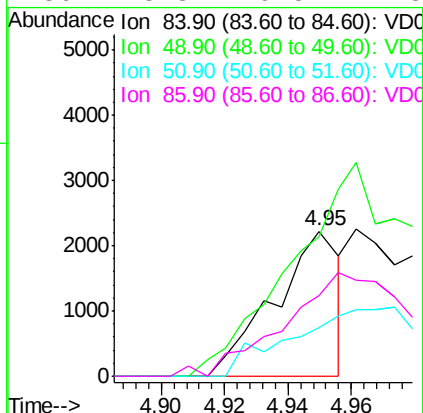
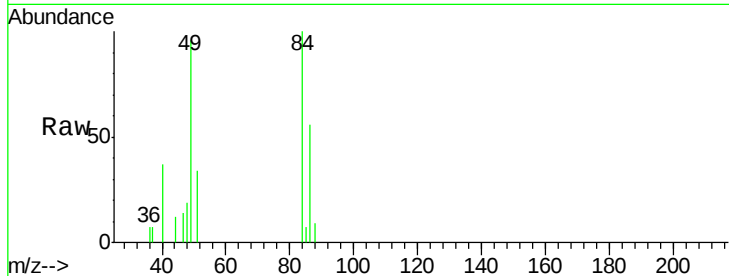




#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD066320.D
Acq: 19 Aug 2020 15:57

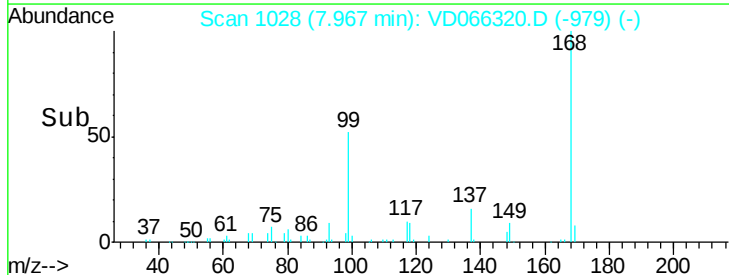
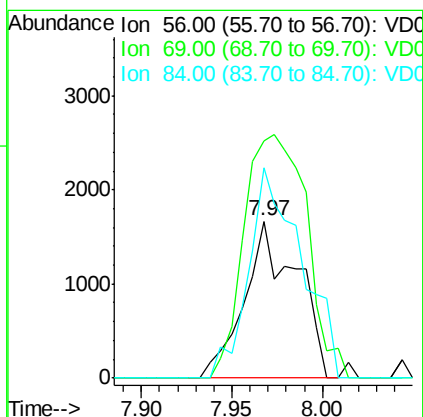
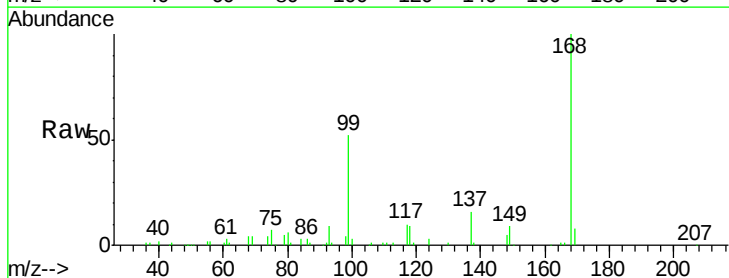
Instrument :
MSVOA_D
ClientSampleId :
S405-K-SO-1-1.5-081420RE

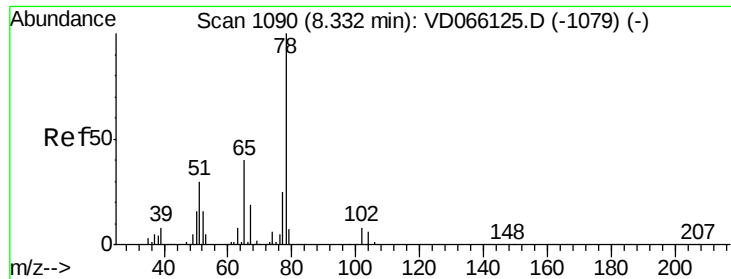
Tgt Ion: 84 Resp: 3218
Ion Ratio Lower Upper
84 100
49 95.8 93.5 140.3
51 33.8 28.2 42.4
86 48.3 49.5 74.3#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066320.D
Acq: 19 Aug 2020 15:57

Tgt Ion: 56 Resp: 3360
Ion Ratio Lower Upper
56 100
69 151.3 28.8 43.2#
84 134.0 73.0 109.6#

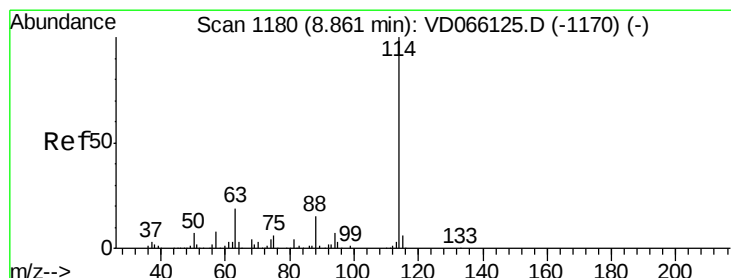
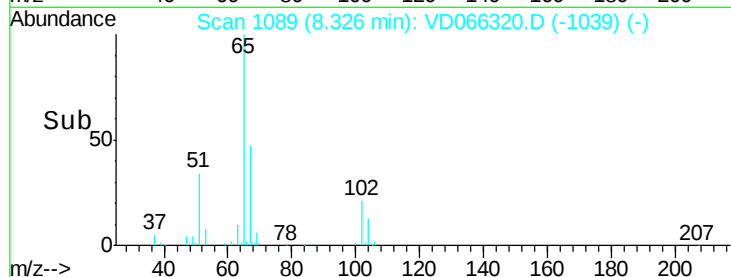
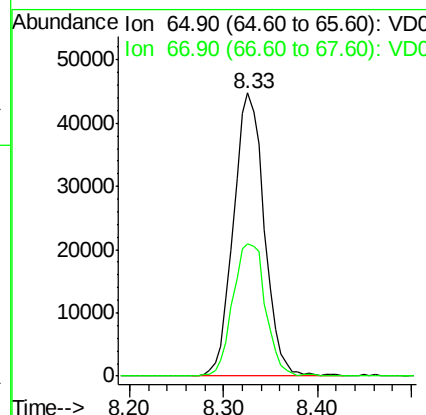
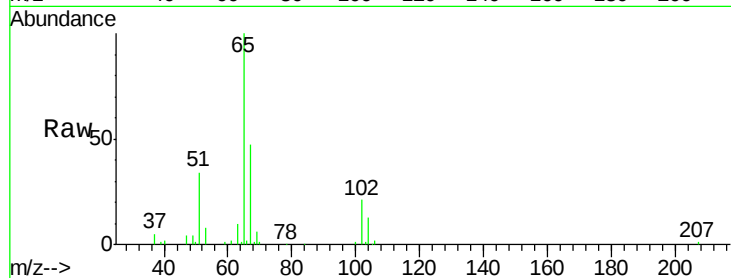




#33
 1,2-Dichloroethane-d4
 Concen: 62.016 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066320.D
 Acq: 19 Aug 2020 15:57

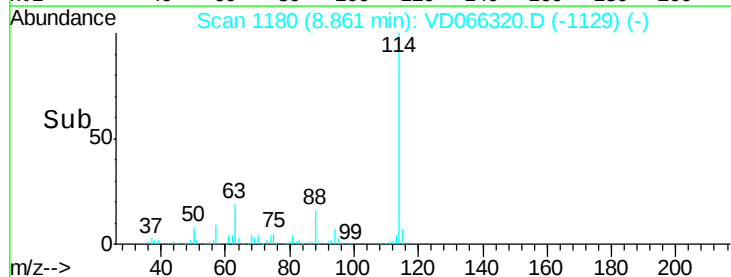
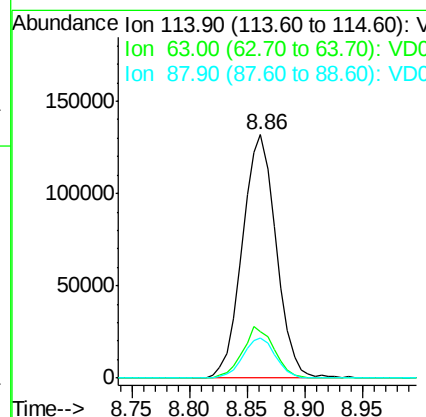
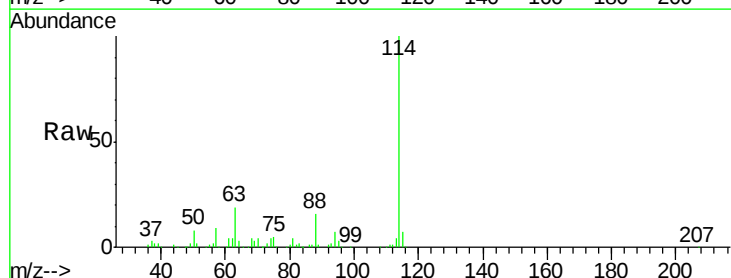
Instrument :
 MSVOA_D
 ClientSampleId :
 S405-K-SO-1-1.5-081420RE

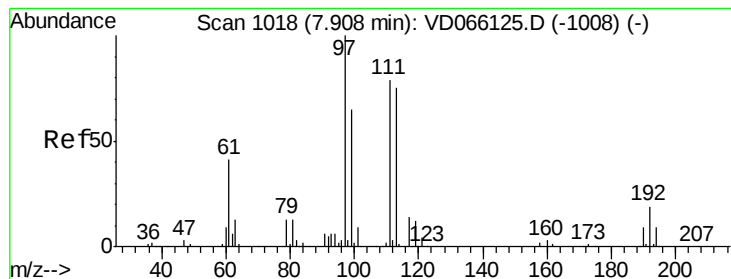
Tgt Ion: 65 Resp: 101880
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066320.D
 Acq: 19 Aug 2020 15:57

Tgt Ion: 114 Resp: 268166
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 16.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 59.532 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066320.D

Acq: 19 Aug 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

S405-K-SO-1-1.5-081420RE

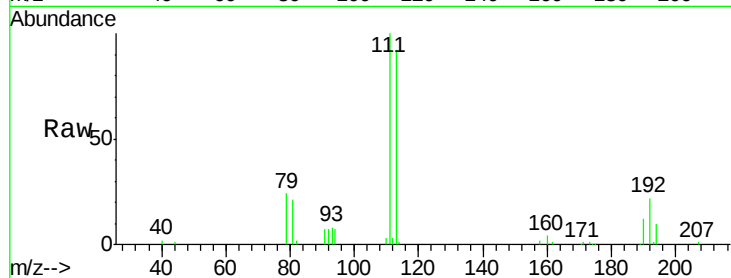
Tgt Ion:113 Resp: 101134

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

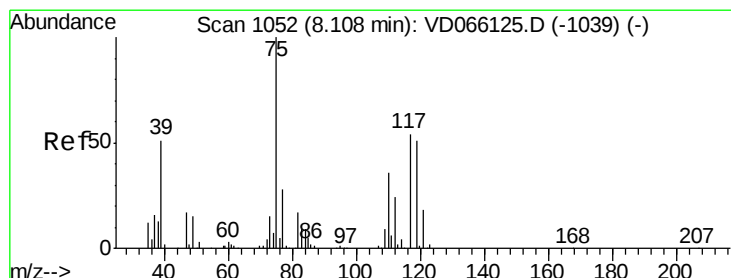
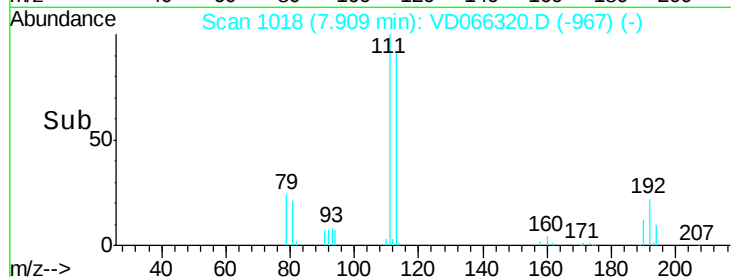
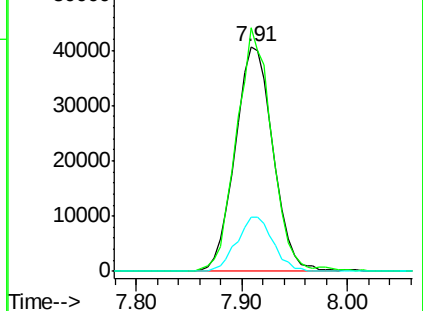
192 23.2 18.4 27.6



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: 4.967 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066320.D

Acq: 19 Aug 2020 15:57

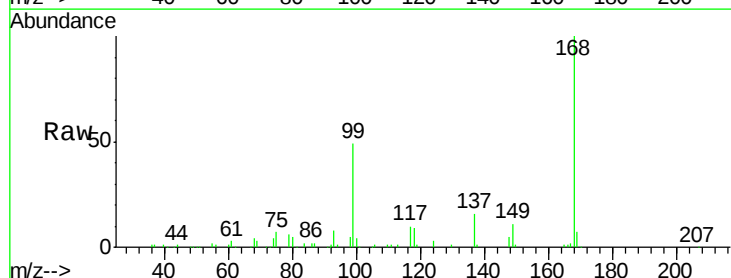
Tgt Ion: 75 Resp: 12517

Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.3#

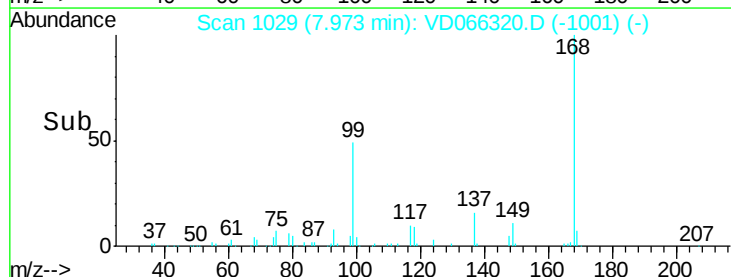
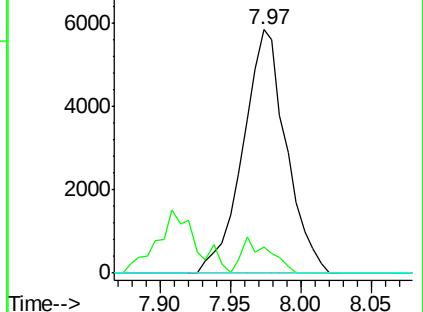
77 0.0 24.2 36.2#

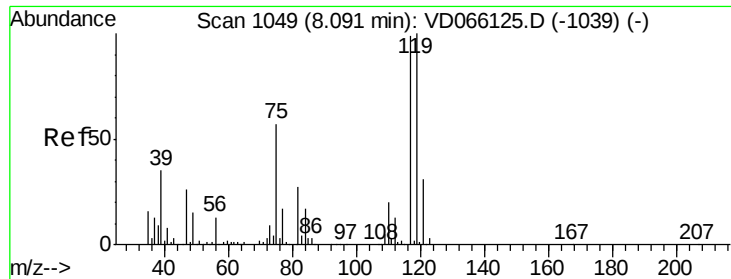


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.296 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066320.D

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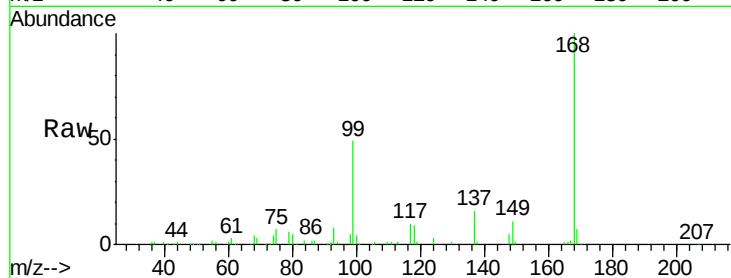
Tgt Ion: 117 Resp: 17694

Ion Ratio Lower Upper

117 100

119 6.6 81.0 121.4#

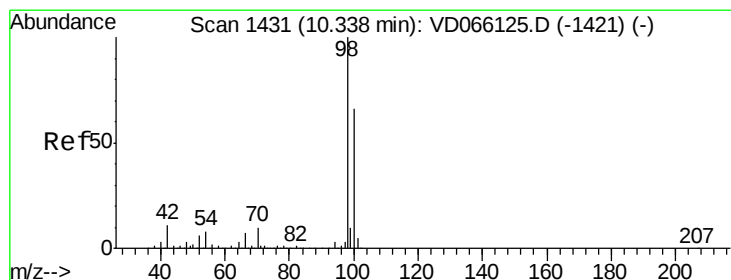
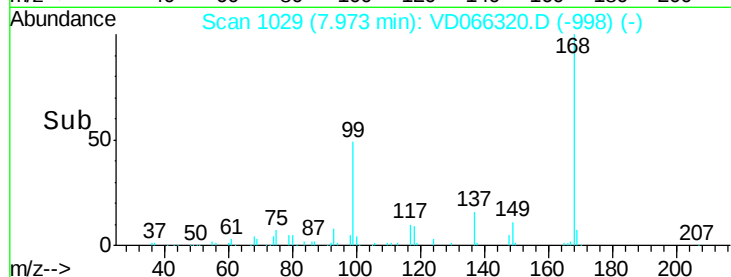
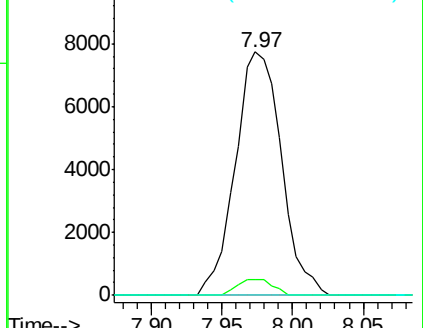
121 0.0 24.8 37.2#



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: 49.224 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066320.D

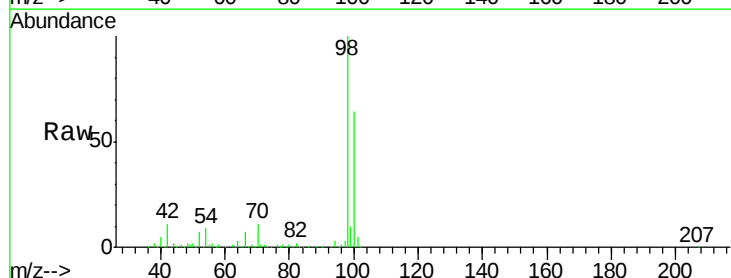
Acq: 19 Aug 2020 15:57

Tgt Ion: 98 Resp: 308584

Ion Ratio Lower Upper

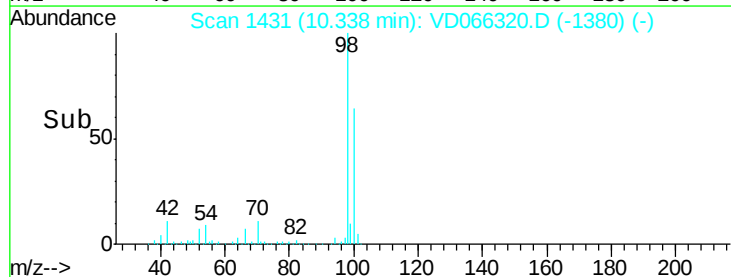
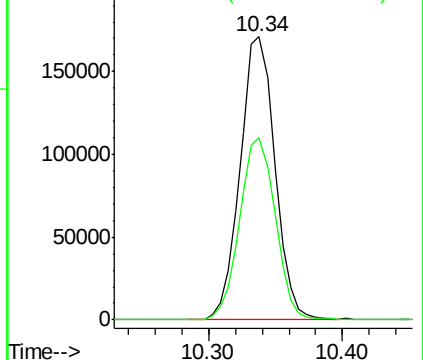
98 100

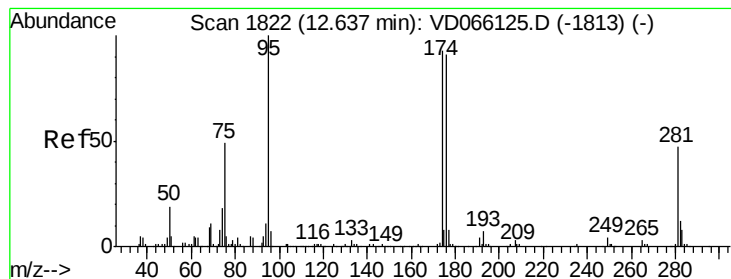
100 66.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 36.739 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066320.D

Acq: 19 Aug 2020 15:57

Instrument :

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ClientSampleId :

S405-K-SO-1-1.5-081420RE

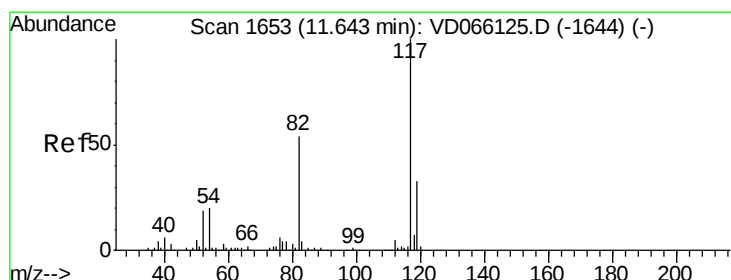
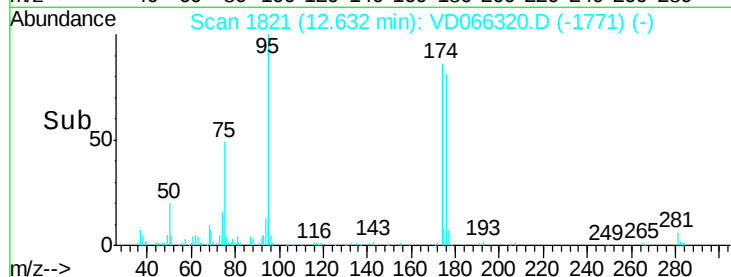
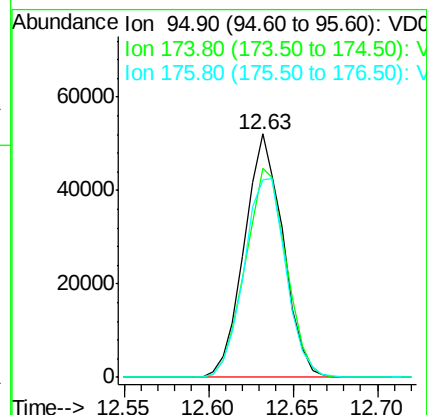
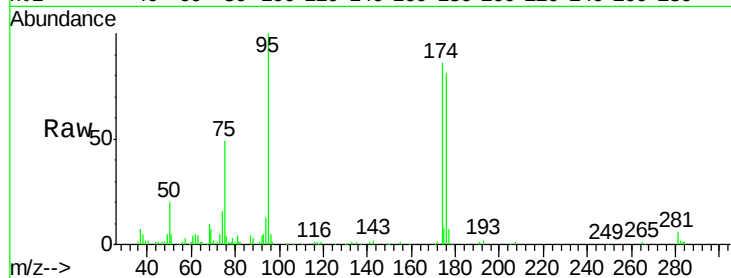
Tgt Ion: 95 Resp: 83021

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.8

176 88.7 0.0 181.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066320.D

Acq: 19 Aug 2020 15:57

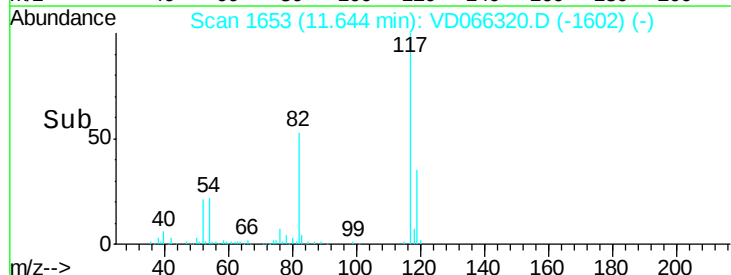
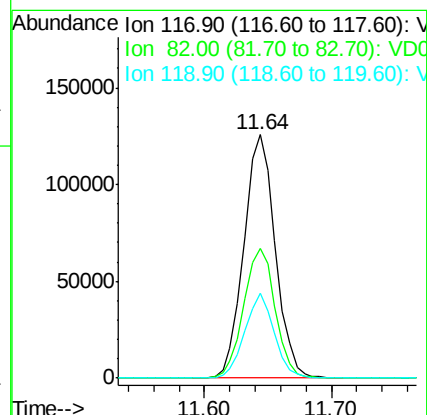
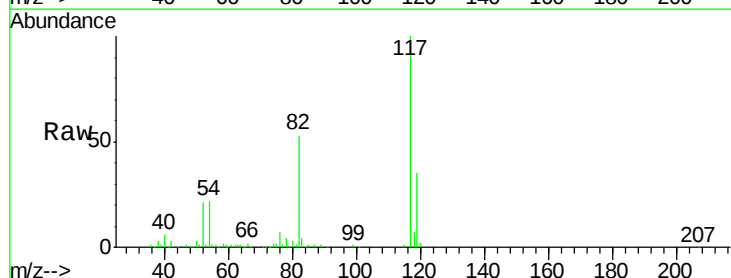
Tgt Ion: 117 Resp: 215867

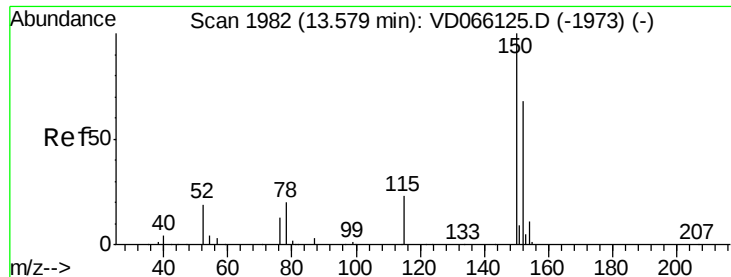
Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.4

119 34.7 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: VD066320.D

Acq: 19 Aug 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

S405-K-SO-1-1.5-081420RE

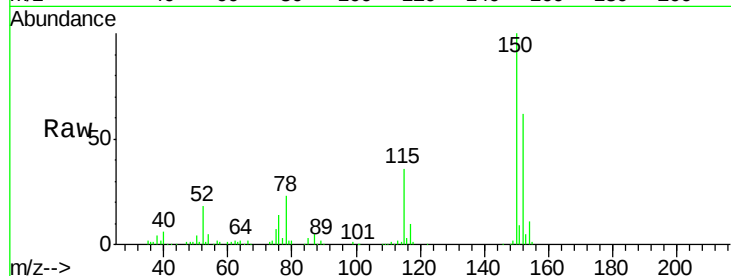
Tgt Ion:152 Resp: 71090

Ion Ratio Lower Upper

152 100

115 54.9 28.0 83.9

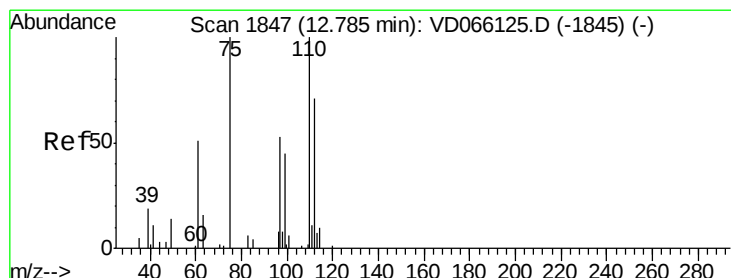
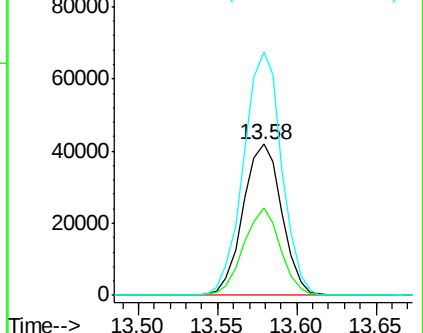
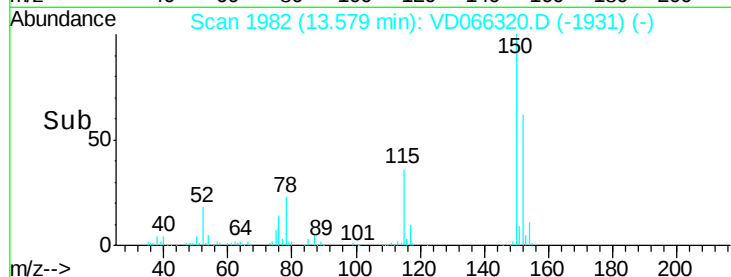
150 158.0 0.0 346.4



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: 70.856 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066320.D

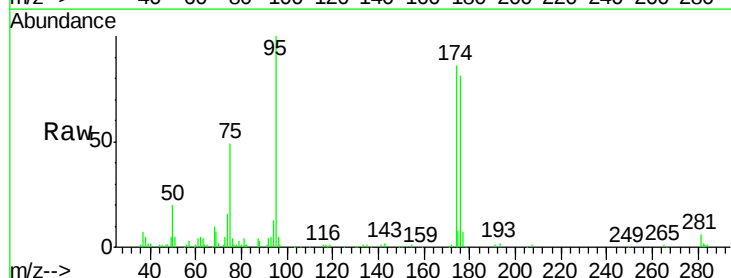
Acq: 19 Aug 2020 15:57

Tgt Ion: 75 Resp: 42006

Ion Ratio Lower Upper

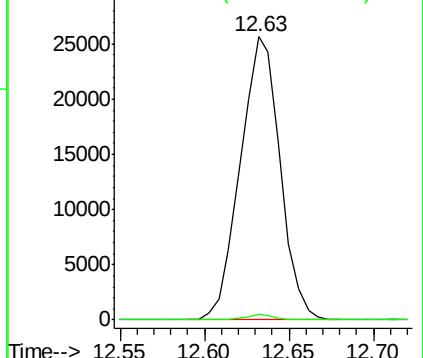
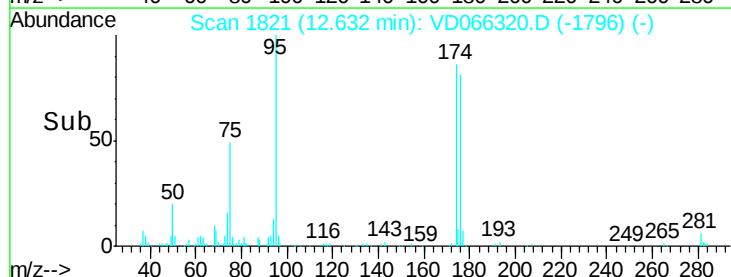
75 100

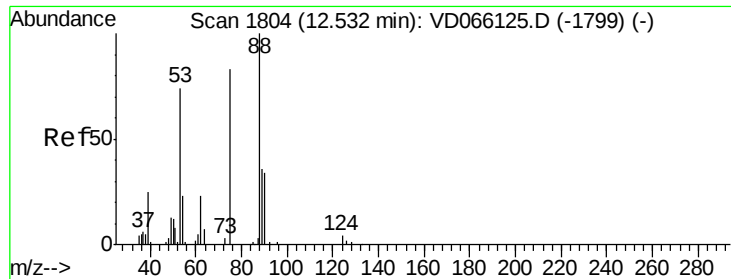
77 1.3 0.0 0.0#



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: 156.630 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066320.D
 Acq: 19 Aug 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 S405-K-SO-1-1.5-081420RE

Tgt Ion: 75 Resp: 42006
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.1 36.6 55.0#

