

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081720\
 Data File : VD066258.D
 Acq On : 17 Aug 2020 15:23
 Operator : VA/SY
 Sample : L3679-12
 Misc : 7.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S412-K-SO-1-1.5-081220

Quant Time: Aug 17 15:41:13 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	388415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	602711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	726441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381477	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	144057	41.57	ug/l	0.00
Spiked Amount			Recovery	=	83.14%	
35) Dibromofluoromethane	7.91	113	173290	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
50) Toluene-d8	10.34	98	738343	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.63	95	364071	71.68	ug/l	0.00
Spiked Amount			Recovery	=	143.36%	

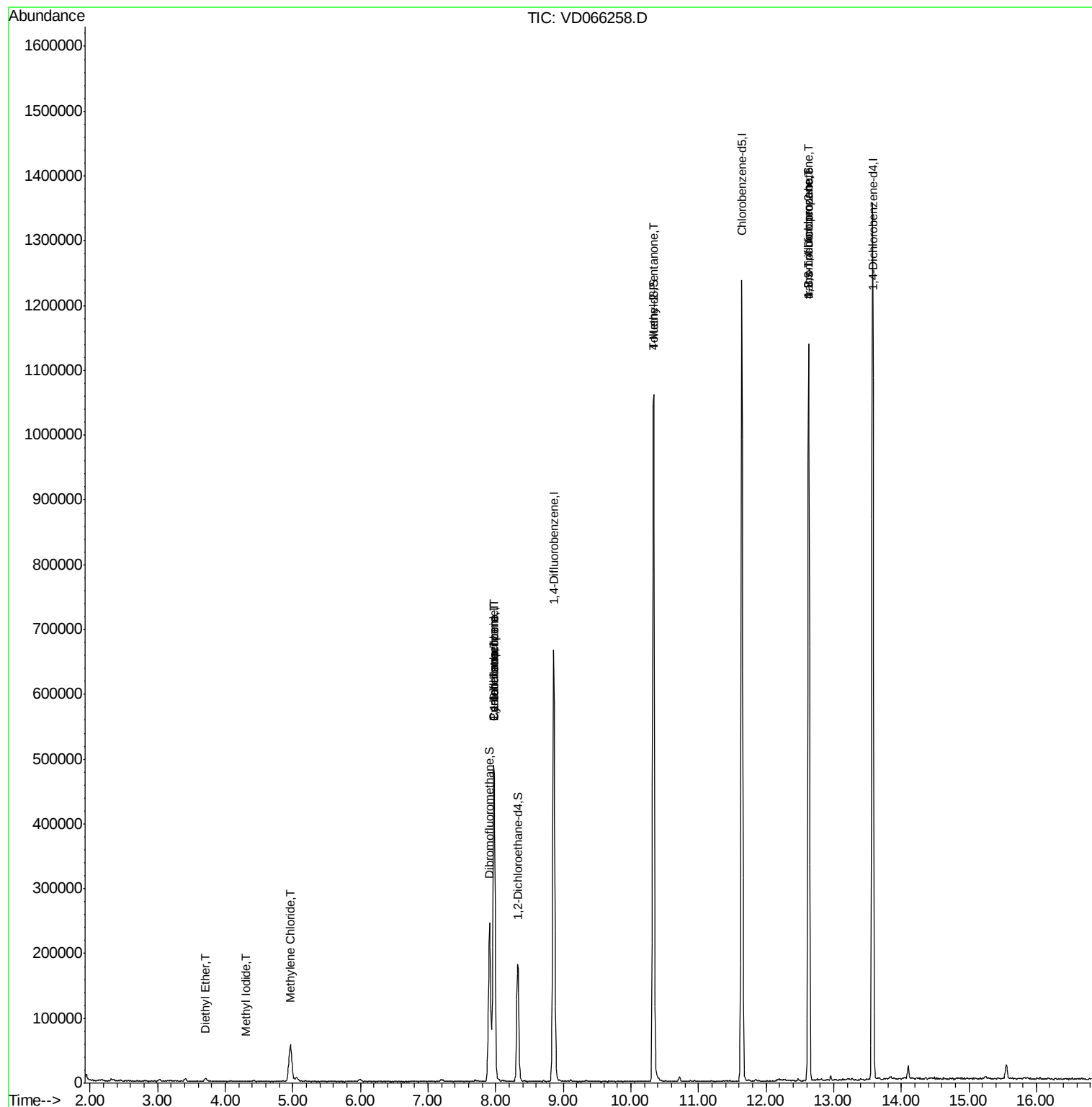
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2460	1.419	ug/l	99
10) Methyl Iodide	4.31	142	425	6.822	ug/l #	39
11) Tert butyl alcohol	5.23	59	321	Below Cal	#	76
20) Methylene Chloride	4.97	84	44019	7.712	ug/l	93
31) Cyclohexane	7.97	56	7044	1.160	ug/l #	6
36) 1,1-Dichloropropene	7.97	75	25977	4.587	ug/l #	49
38) Carbon Tetrachloride	7.98	117	37160	5.884	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	3465	1.526	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	180322	56.683	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	180322	125.301	ug/l #	13

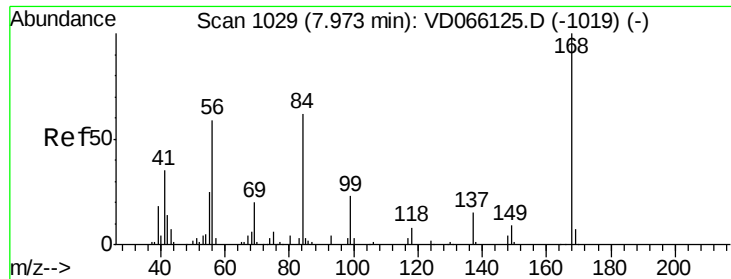
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081720\
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Acq On : 17 Aug 2020 15:23
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S412-K-SO-1-1.5-081220

Quant Time: Aug 17 15:41:13 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: VD066258.D

Acq: 17 Aug 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

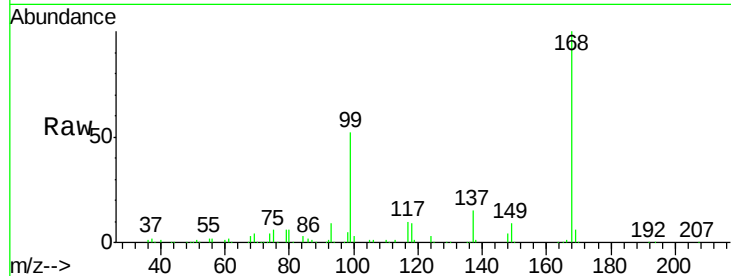
S412-K-SO-1-1.5-081220

Tgt Ion:168 Resp: 388415

Ion Ratio Lower Upper

168 100

99 52.1 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

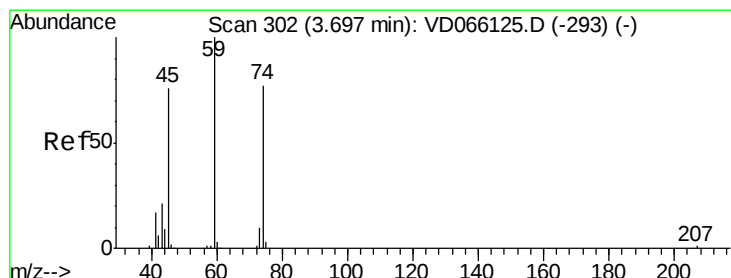
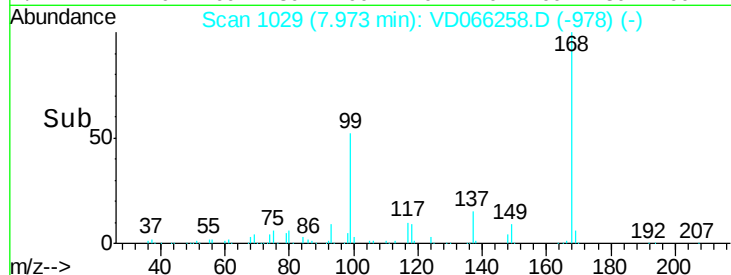
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.419 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066258.D

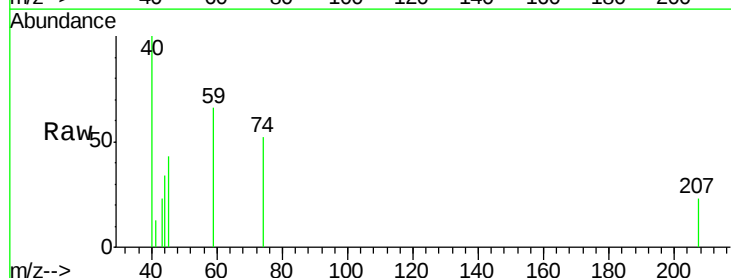
Acq: 17 Aug 2020 15:23

Tgt Ion: 74 Resp: 2460

Ion Ratio Lower Upper

74 100

45 95.7 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

1200

1000

800

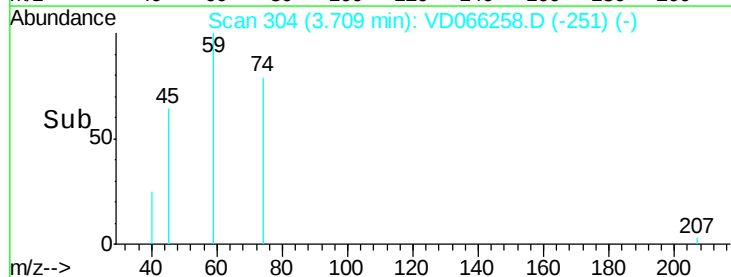
600

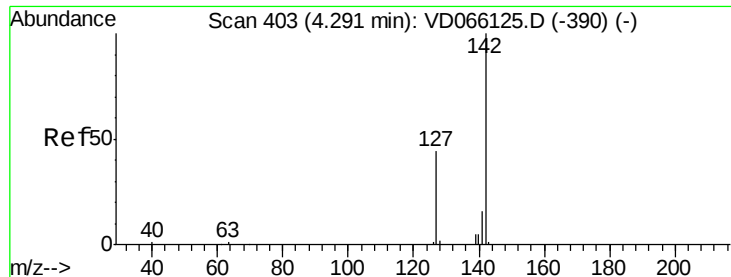
400

200

0

Time-->

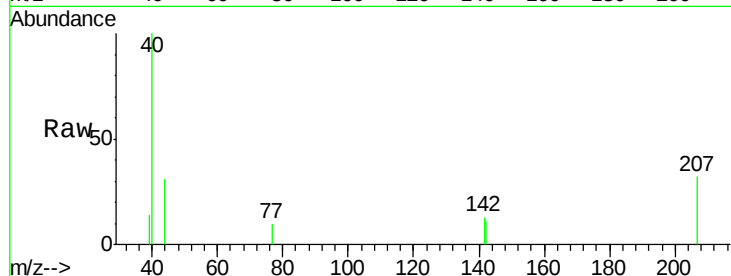




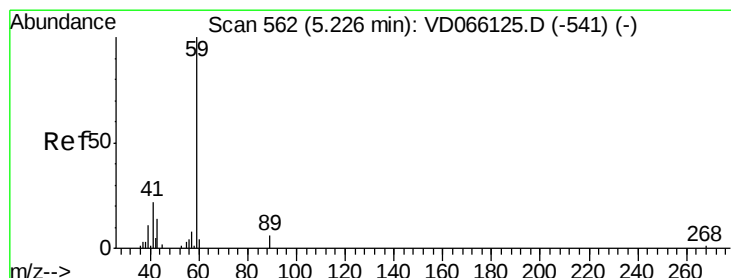
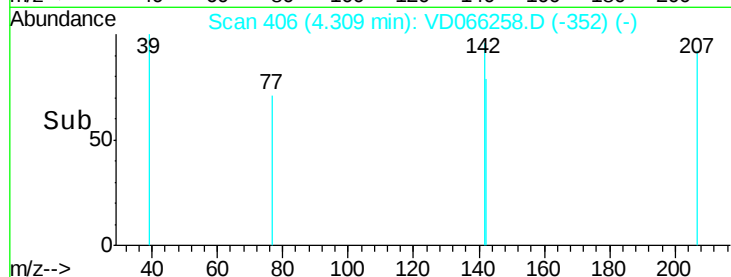
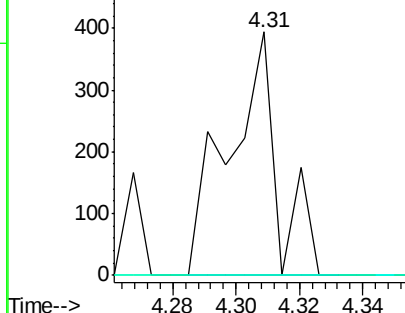
#10
Methyl Iodide
Concen: 6.822 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.02 min
Lab File: VD066258.D
Acq: 17 Aug 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
S412-K-SO-1-1.5-081220

Tgt Ion:142 Resp: 425
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#

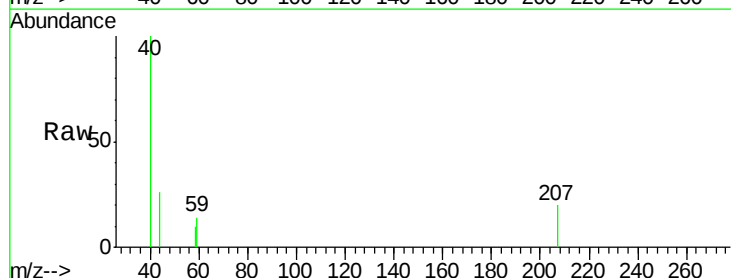


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

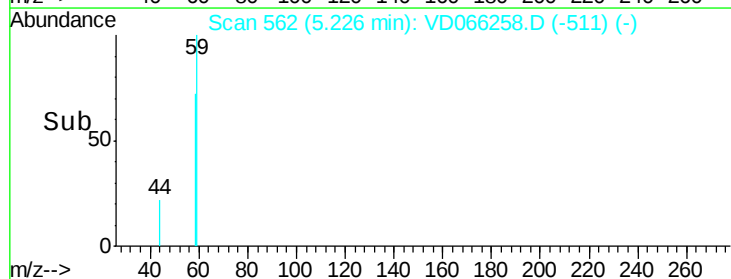
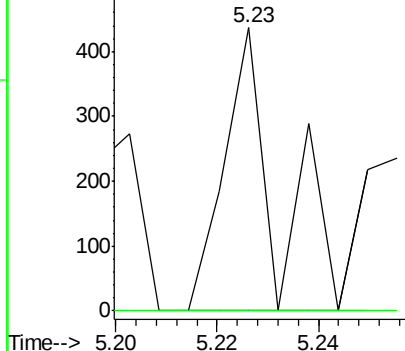


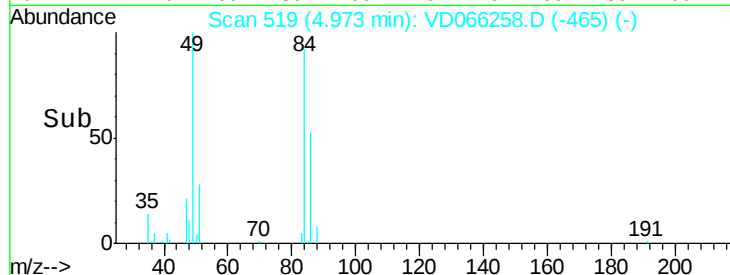
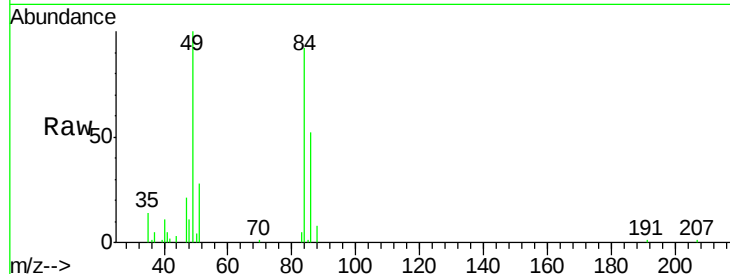
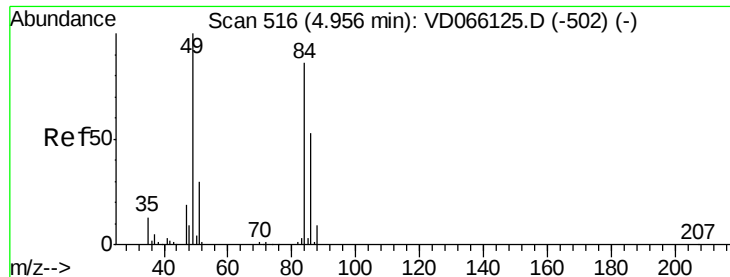
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066258.D
Acq: 17 Aug 2020 15:23

Tgt Ion: 59 Resp: 321
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

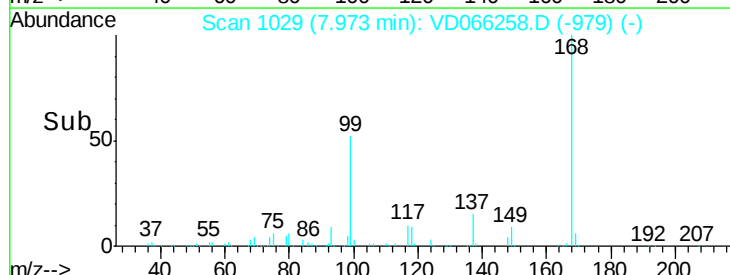
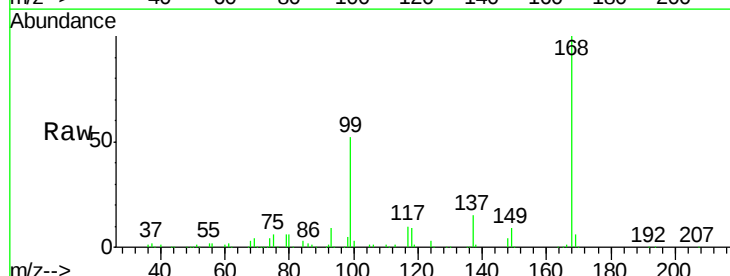
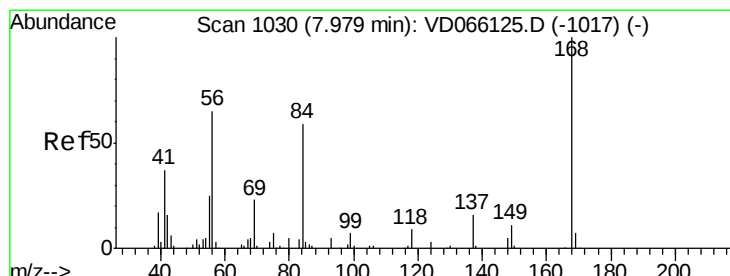
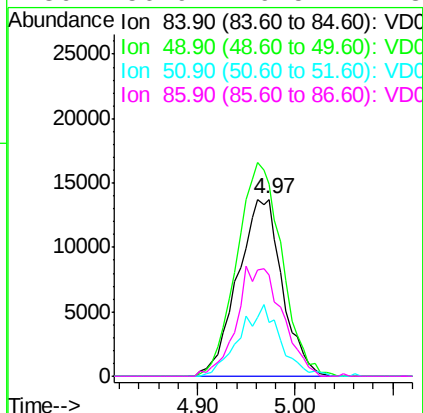




#20
Methylene Chloride
Concen: 7.712 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD066258.D
Acq: 17 Aug 2020 15:23

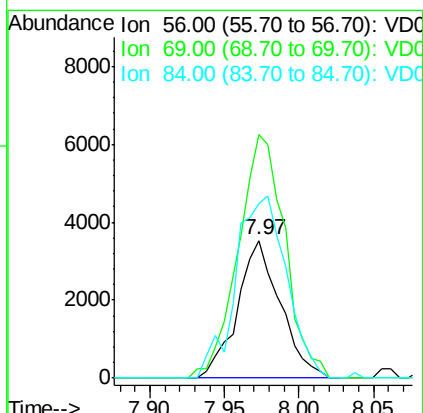
Instrument :
MSVOA_D
ClientSampleId :
S412-K-SO-1-1.5-081220

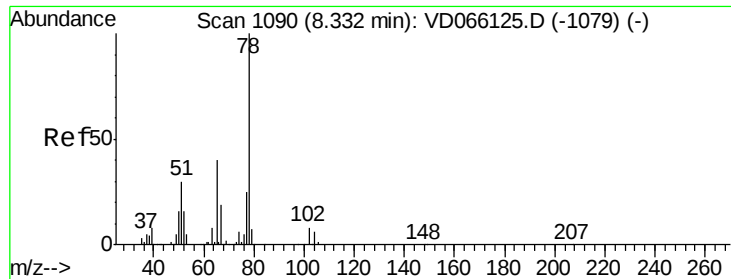
Tgt Ion:	84	Resp:	44019
Ion	Ratio	Lower	Upper
84	100		
49	108.5	93.5	140.3
51	30.5	28.2	42.4
86	56.9	49.5	74.3



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066258.D
Acq: 17 Aug 2020 15:23

Tgt Ion:	56	Resp:	7044
Ion	Ratio	Lower	Upper
56	100		
69	176.8	28.8	43.2#
84	126.5	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 41.572 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066258.D

Acq: 17 Aug 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

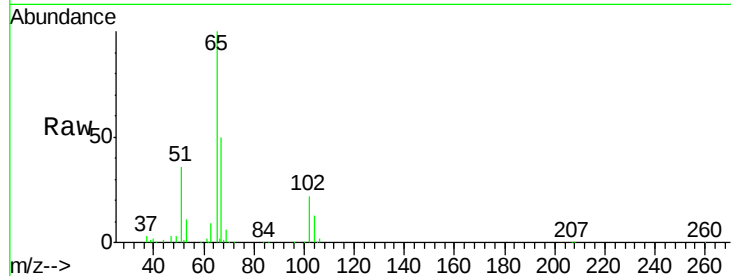
S412-K-SO-1-1.5-081220

Tgt Ion: 65 Resp: 144057

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

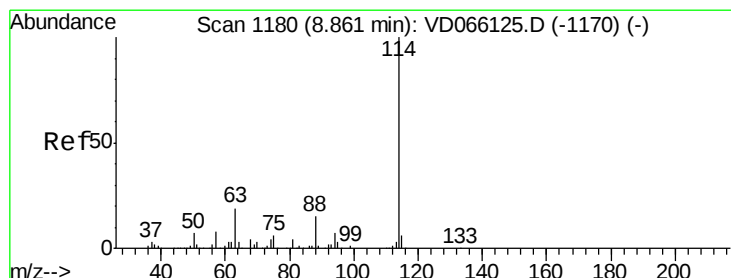
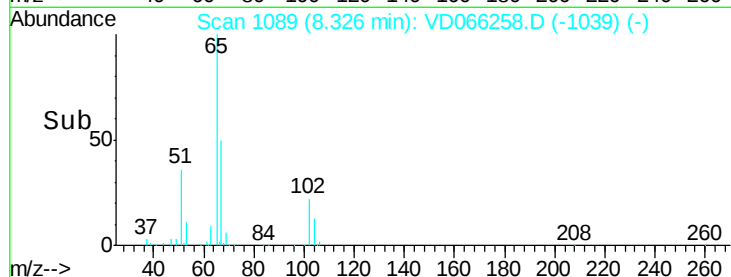
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066258.D

Acq: 17 Aug 2020 15:23

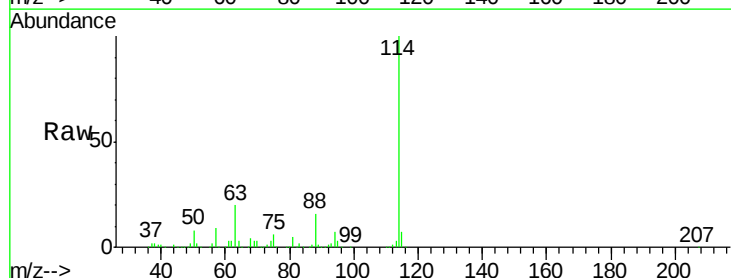
Tgt Ion: 114 Resp: 602711

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

88 16.1 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

8.86

400000

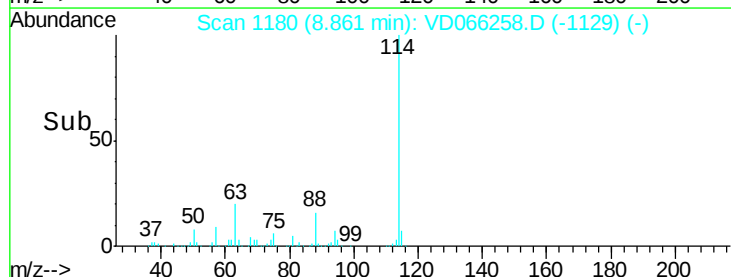
300000

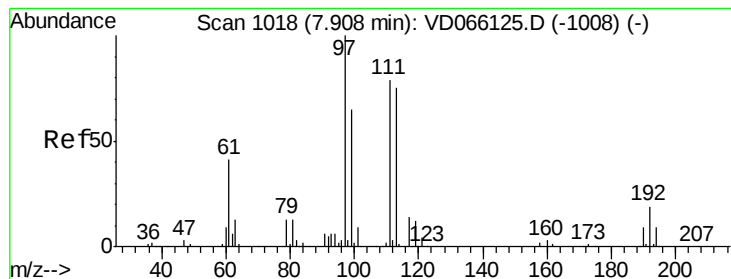
200000

100000

0

Time--> 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 45.386 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066258.D

Acq: 17 Aug 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

S412-K-SO-1-1.5-081220

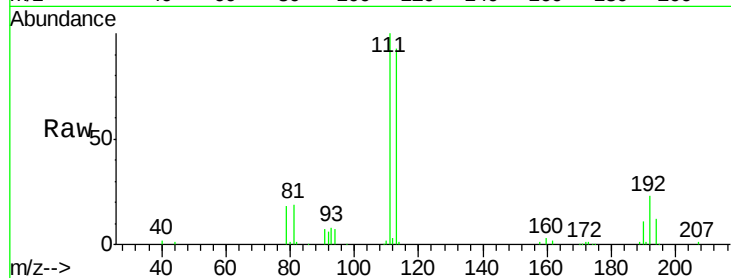
Tgt Ion:113 Resp: 173290

Ion Ratio Lower Upper

113 100

111 103.5 80.7 121.1

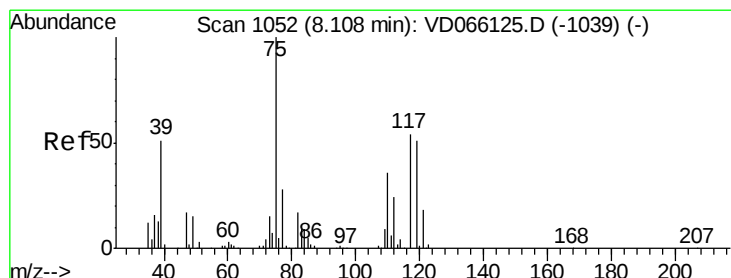
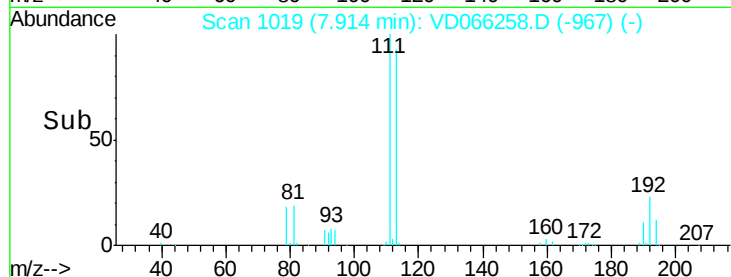
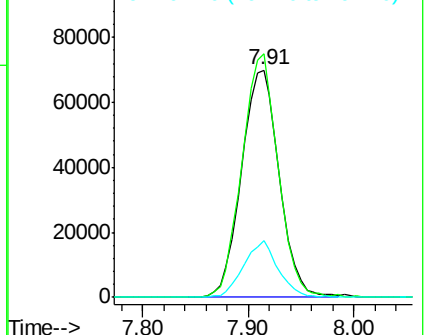
192 23.0 18.4 27.6



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: 4.587 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066258.D

Acq: 17 Aug 2020 15:23

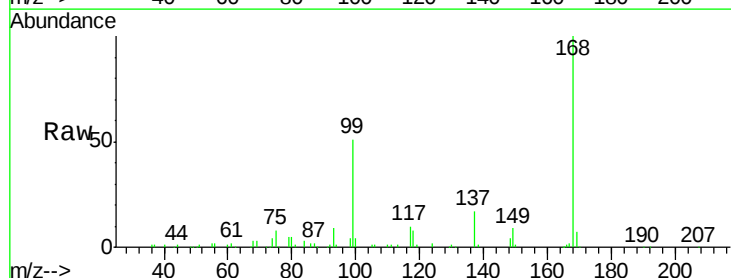
Tgt Ion: 75 Resp: 25977

Ion Ratio Lower Upper

75 100

110 9.4 18.8 56.3#

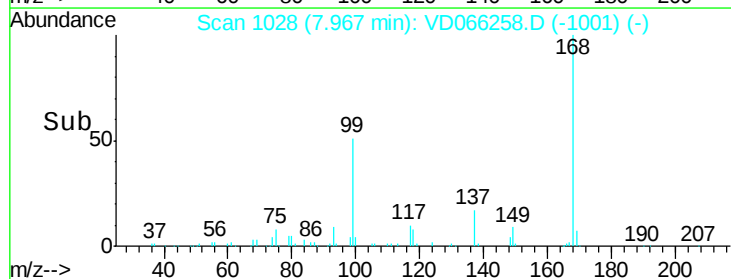
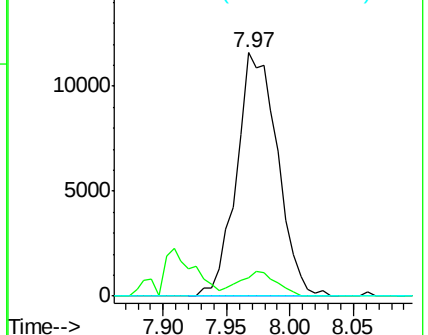
77 0.0 24.2 36.2#

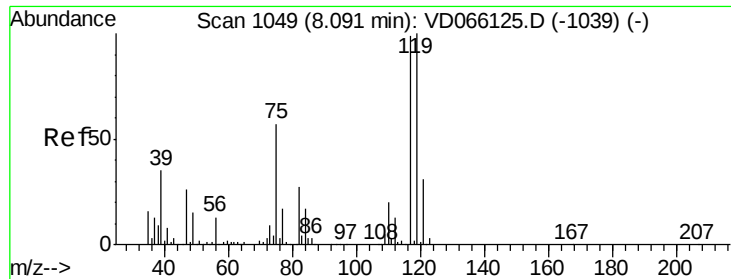


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.884 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066258.D

Acq: 17 Aug 2020 15:23

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S412-K-SO-1-1.5-081220

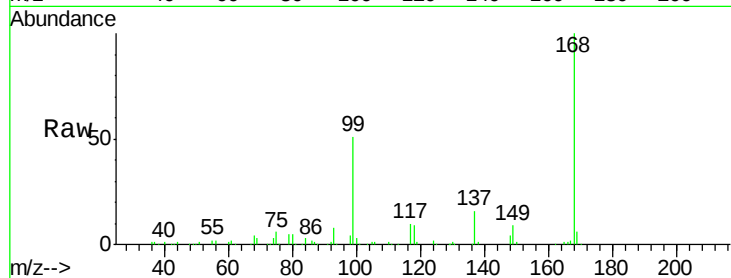
Tgt Ion:117 Resp: 37160

Ion Ratio Lower Upper

117 100

119 5.7 81.0 121.4#

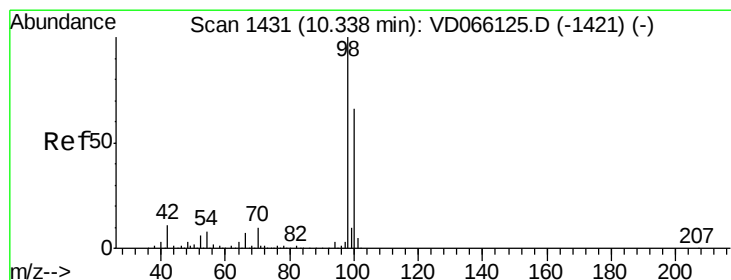
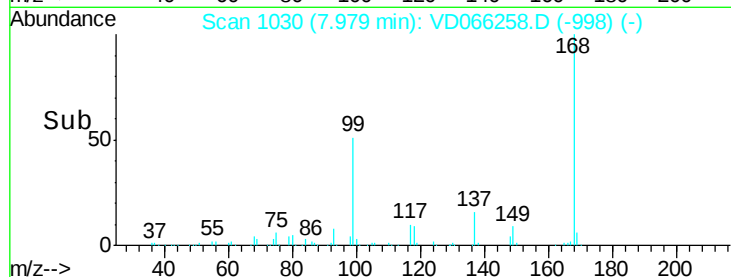
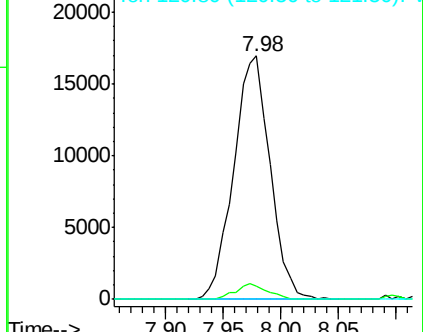
121 0.0 24.8 37.2#



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: 52.403 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066258.D

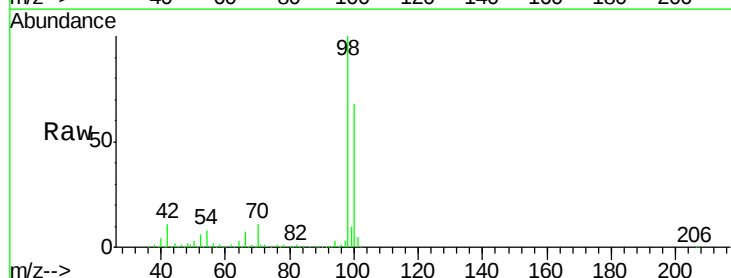
Acq: 17 Aug 2020 15:23

Tgt Ion: 98 Resp: 738343

Ion Ratio Lower Upper

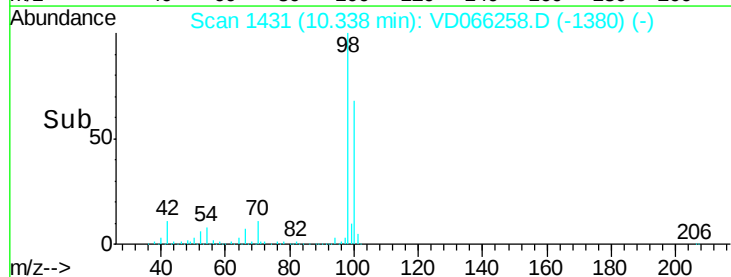
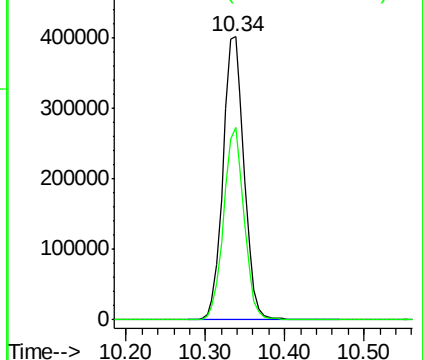
98 100

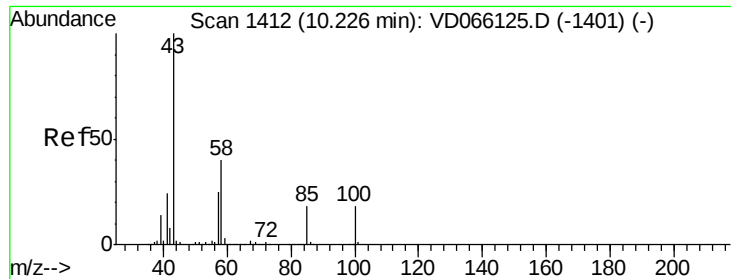
100 65.8 52.6 78.8



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: 1.526 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066258.D

Acq: 17 Aug 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

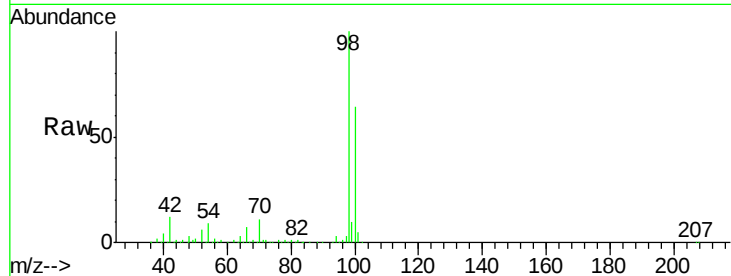
S412-K-SO-1-1.5-081220

Tgt Ion: 43 Resp: 3465

Ion Ratio Lower Upper

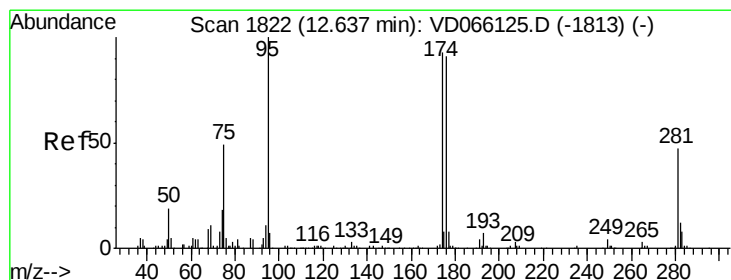
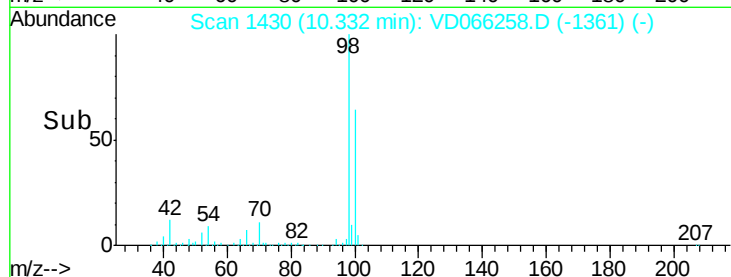
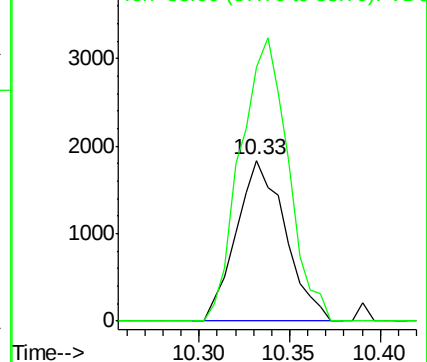
43 100

58 171.2 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: 71.684 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066258.D

Acq: 17 Aug 2020 15:23

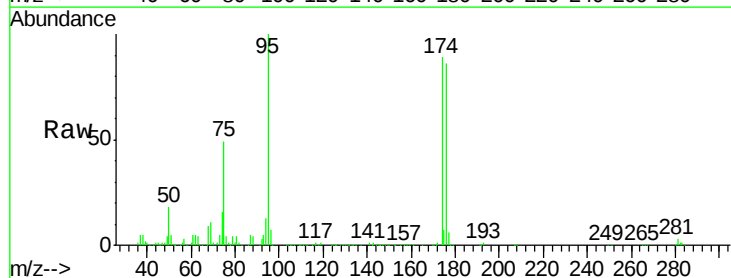
Tgt Ion: 95 Resp: 364071

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.8

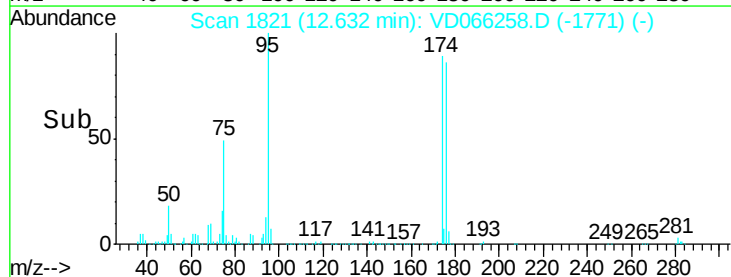
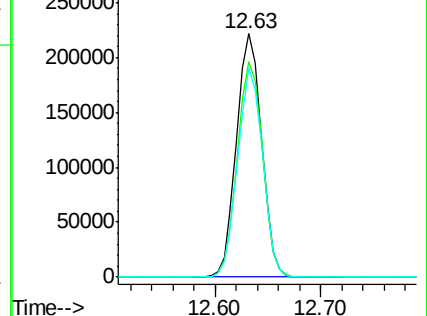
176 85.2 0.0 181.2

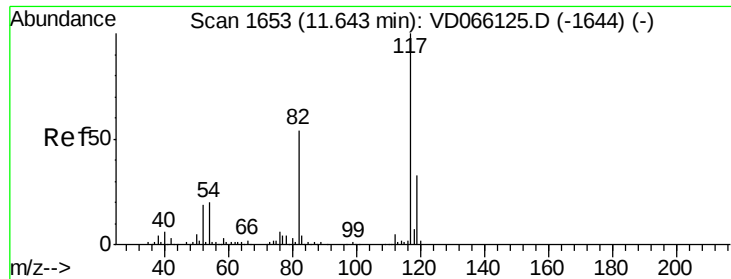


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

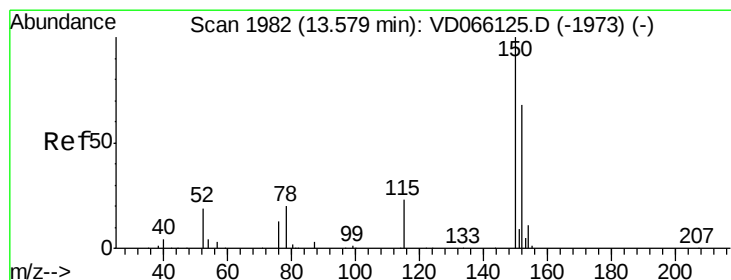
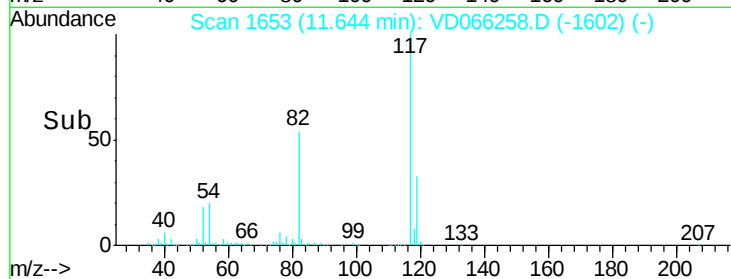
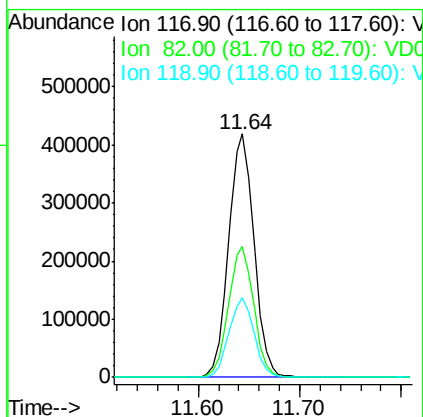
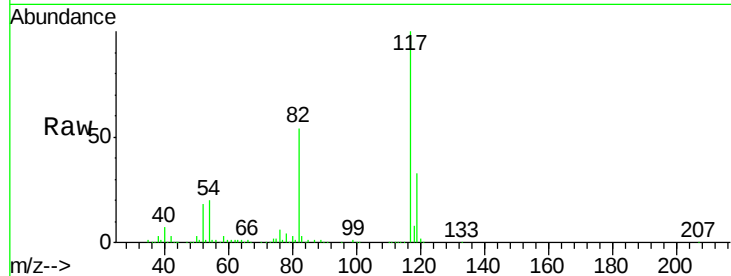




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066258.D
Acq: 17 Aug 2020 15:23

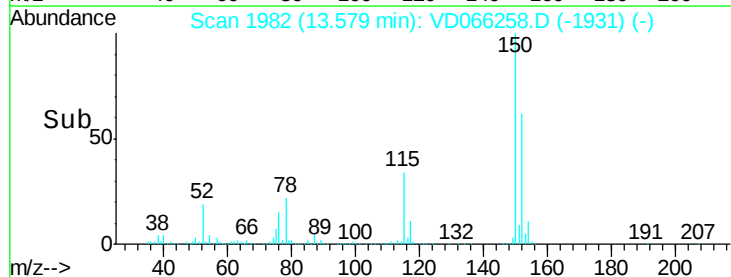
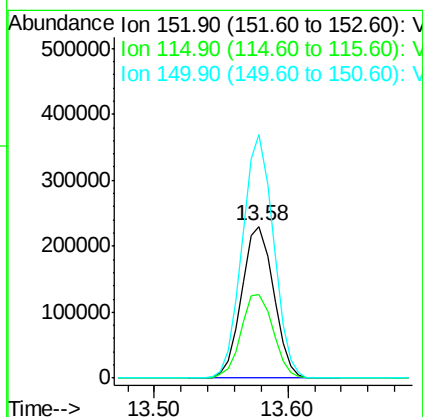
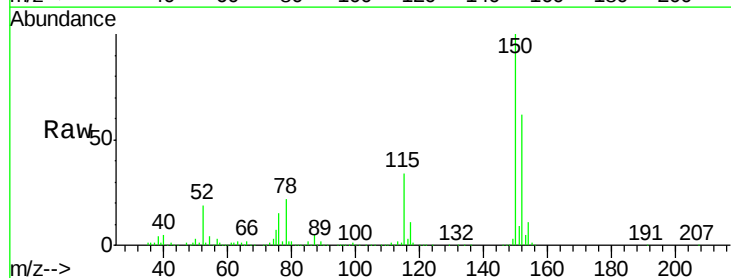
Instrument :
MSVOA_D
ClientSampleId :
S412-K-SO-1-1.5-081220

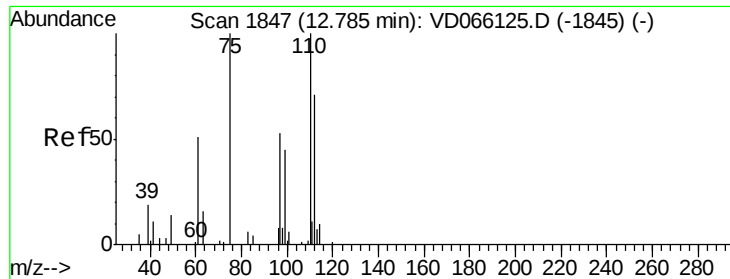
Tgt Ion:117 Resp: 726441
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066258.D
Acq: 17 Aug 2020 15:23

Tgt Ion:152 Resp: 381477
Ion Ratio Lower Upper
152 100
115 55.6 28.0 83.9
150 156.7 0.0 346.4

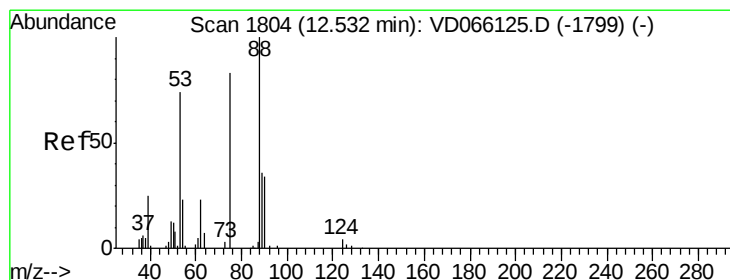
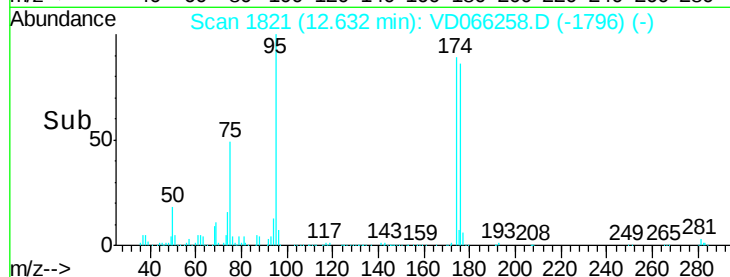
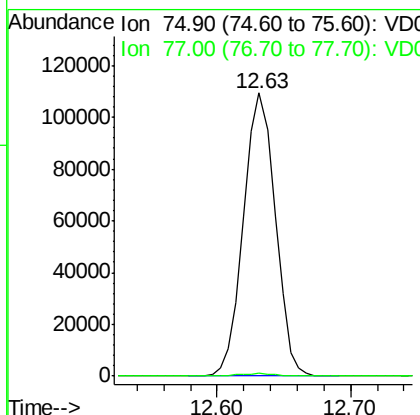
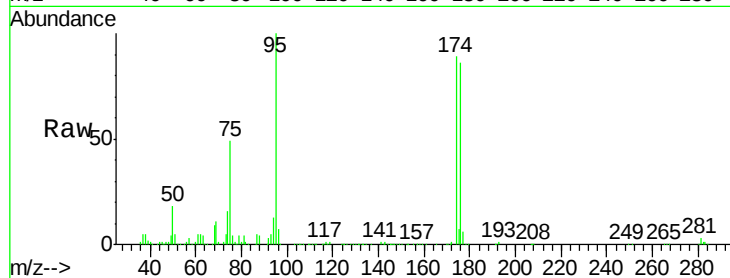




#76
 1,2,3-Trichloropropane
 Concen: 56.683 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066258.D
 Acq: 17 Aug 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 S412-K-SO-1-1.5-081220

Tgt Ion: 75 Resp: 180322
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.301 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066258.D
 Acq: 17 Aug 2020 15:23

Tgt Ion: 75 Resp: 180322
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.2#
 89 0.1 36.6 55.0#

