

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
 Data File : VD066318.D
 Acq On : 19 Aug 2020 15:03
 Operator : VA/SY
 Sample : L3700-07RE
 Misc : 7.82G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S407-K-SO-1-1.5-081420-FDRE

Quant Time: Aug 19 16:00:59 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

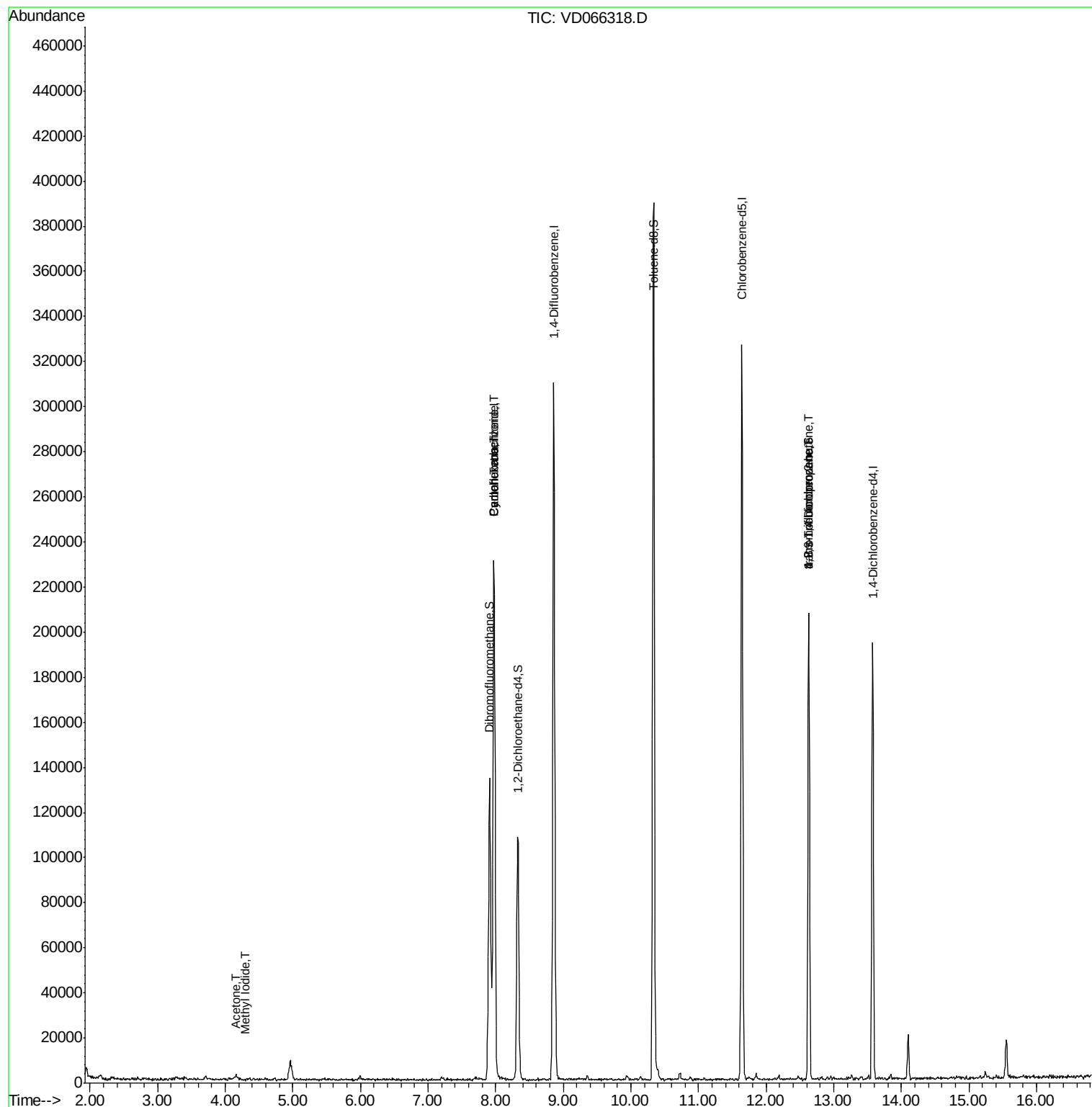
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	178156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	262436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	187452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	54129	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	90557	56.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.94%	
35) Dibromofluoromethane	7.91	113	91395	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.94%	
50) Toluene-d8	10.33	98	268153	43.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	12.63	95	62102	28.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.16%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.29	142	69	6.750	ug/l #	39
16) Acetone	4.16	43	3614	11.984	ug/l	95
20) Methylene Chloride	4.97	84	5683	Below Cal	#	92
31) Cyclohexane	7.98	56	3684	1.323	ug/l #	15
38) Carbon Tetrachloride	7.97	117	17532	6.375	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	30933	68.527	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	30933	151.483	ug/l #	13

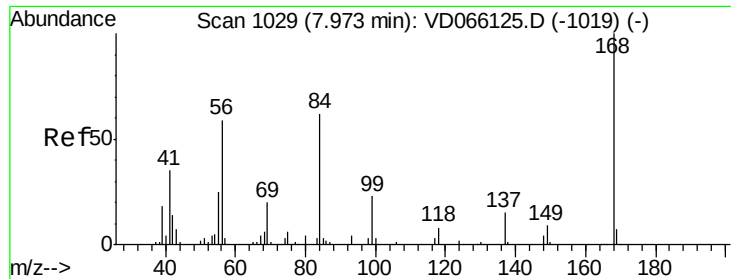
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD081920\
Data File : VD066318.D
Acq On : 19 Aug 2020 15:03
Operator : VA/SY
Sample : L3700-07RE
Misc : 7.82G/5.00ml/MSV0A_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSV0A_D
ClientSampleId :
S407-K-SO-1-1.5-081420-FDRE

Quant Time: Aug 19 16:00:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_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: VD066318.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

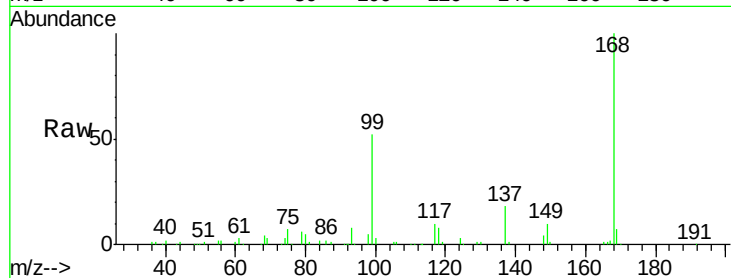
S407-K-SO-1-1.5-081420-FDRE

Tgt Ion:168 Resp: 178156

Ion Ratio Lower Upper

168 100

99 52.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

80000

60000

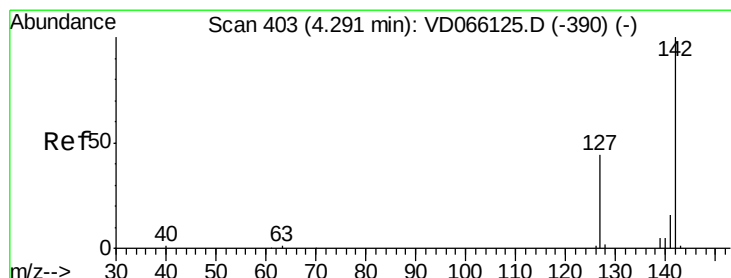
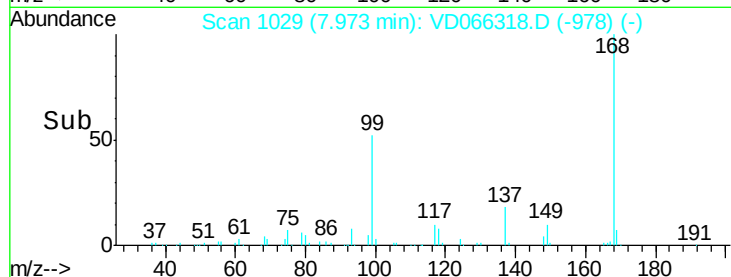
40000

20000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 6.750 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

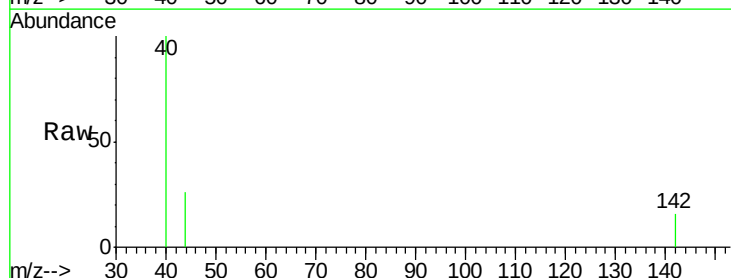
Tgt Ion:142 Resp: 69

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

4.29

250

200

150

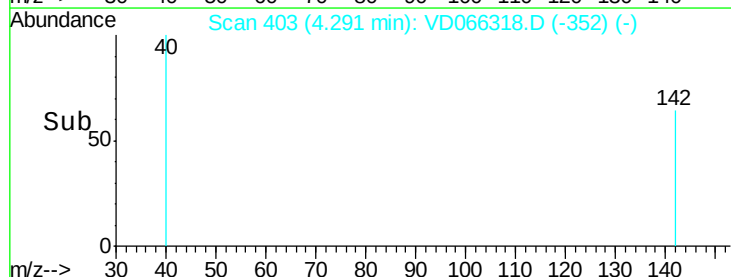
100

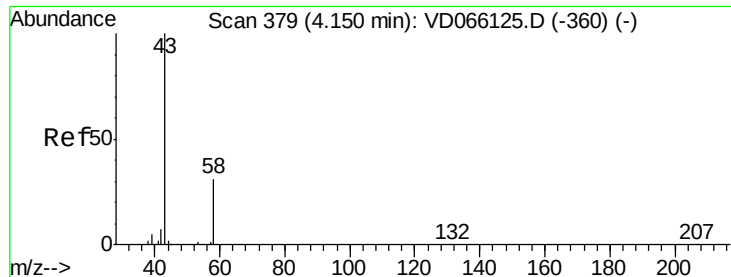
50

0

Time-->

4.27 4.28 4.29 4.30 4.31





#16

Acetone

Concen: 11.984 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

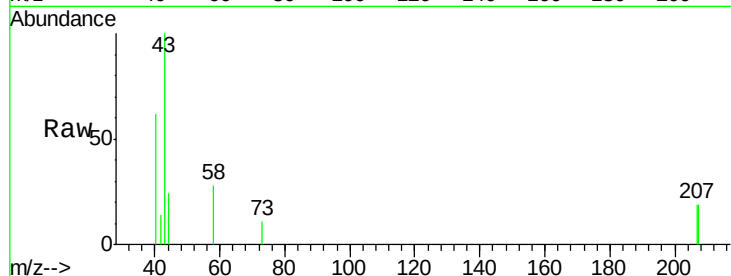
S407-K-SO-1-1.5-081420-FDRE

Tgt Ion: 43 Resp: 3614

Ion Ratio Lower Upper

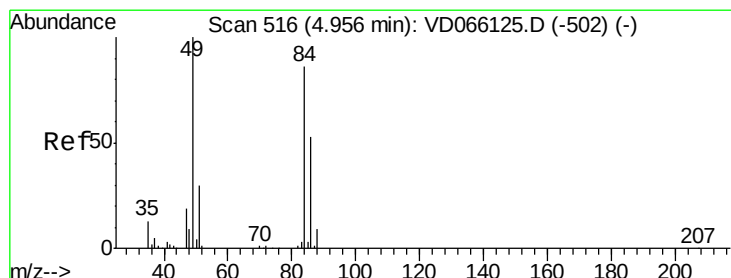
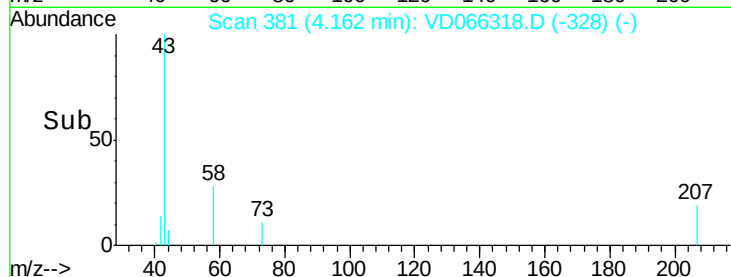
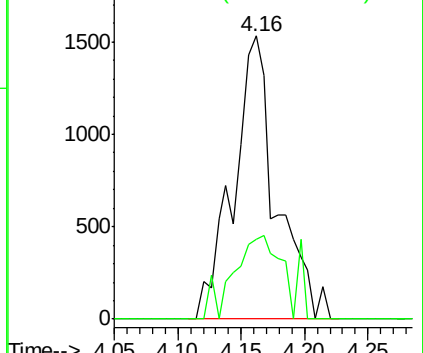
43 100

58 28.2 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: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

Tgt Ion: 84 Resp: 5683

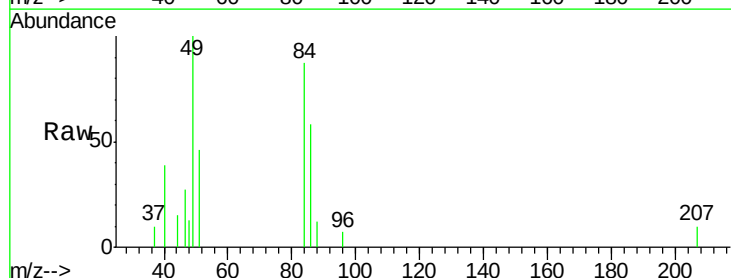
Ion Ratio Lower Upper

84 100

49 114.5 93.5 140.3

51 53.1 28.2 42.4#

86 66.7 49.5 74.3

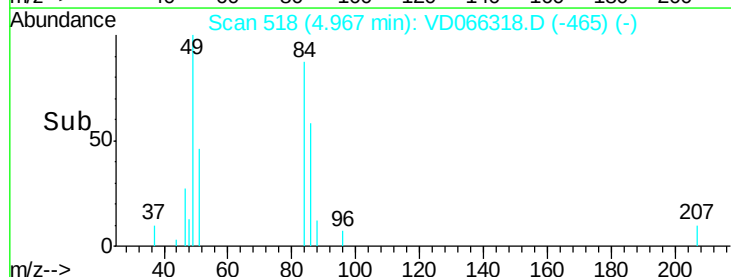
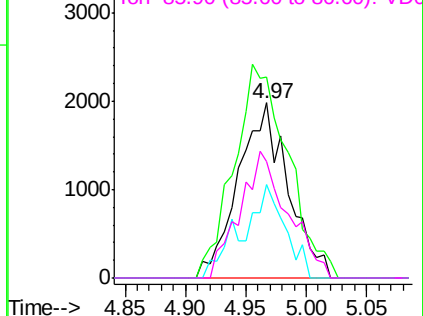


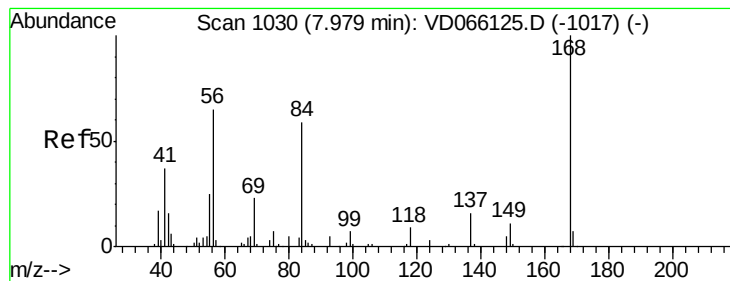
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.323 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

S407-K-SO-1-1.5-081420-FDRE

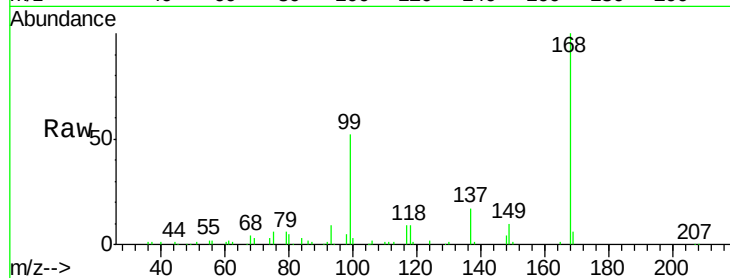
Tgt Ion: 56 Resp: 3684

Ion Ratio Lower Upper

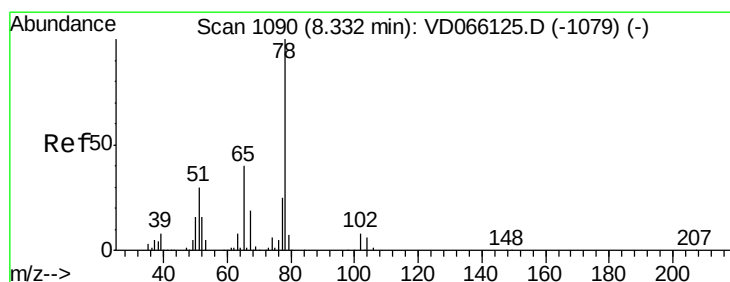
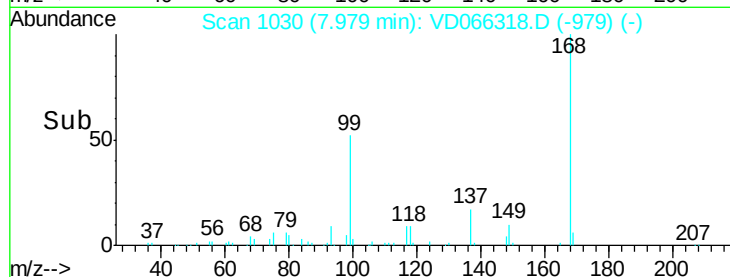
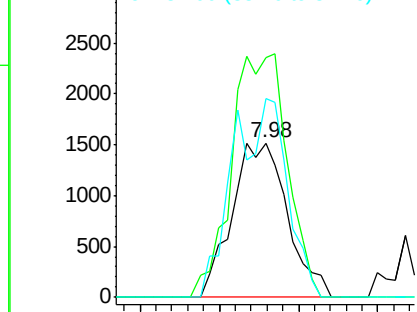
56 100

69 155.0 28.8 43.2#

84 128.2 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: 56.975 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066318.D

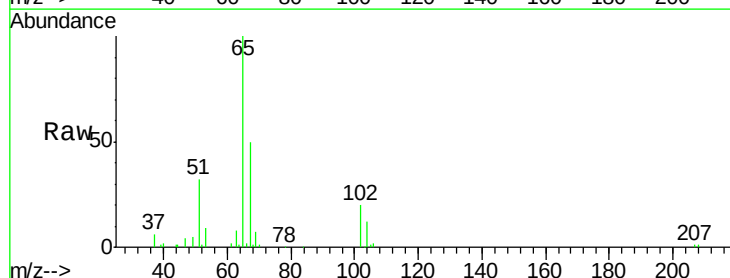
Acq: 19 Aug 2020 15:03

Tgt Ion: 65 Resp: 90557

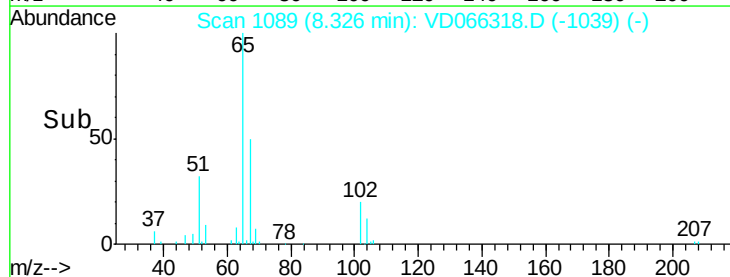
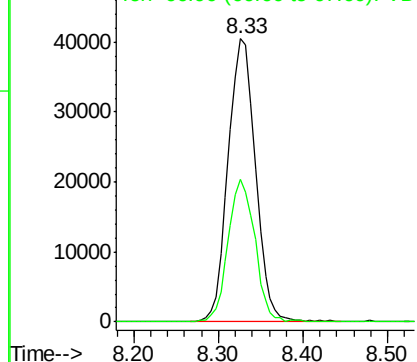
Ion Ratio Lower Upper

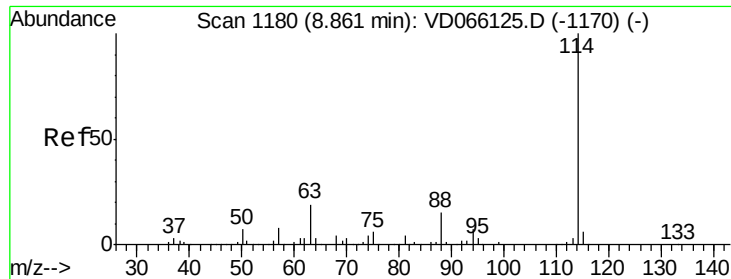
65 100

67 49.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

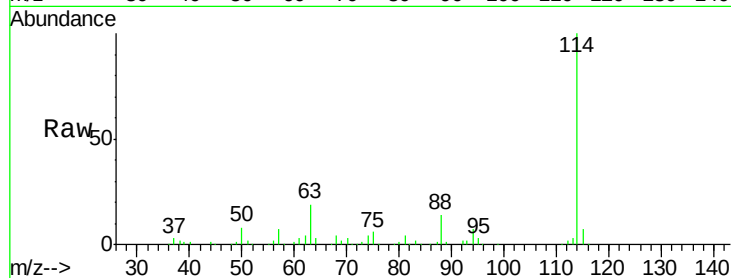




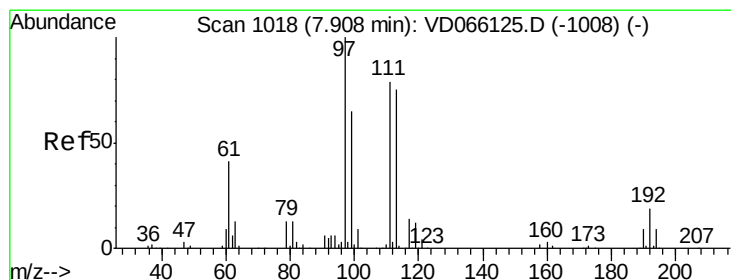
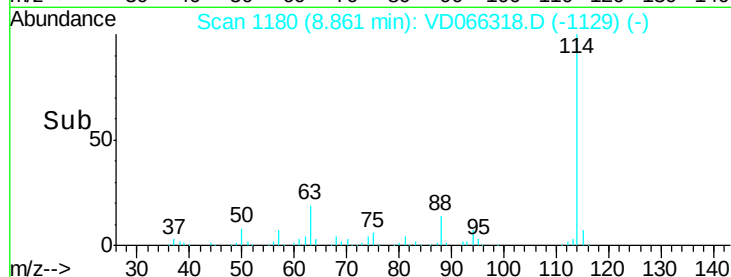
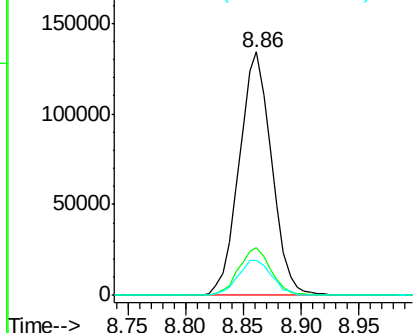
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066318.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 S407-K-SO-1-1.5-081420-FDRE

Tgt Ion:114 Resp: 262436
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 14.4 0.0 30.0

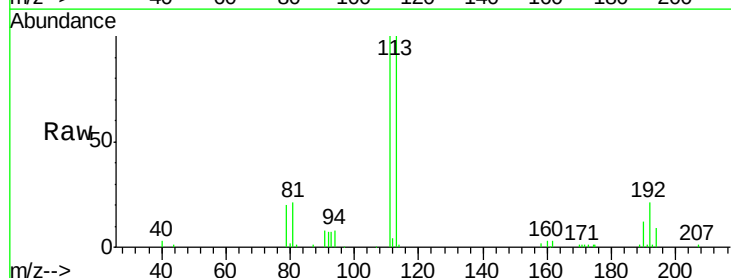


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

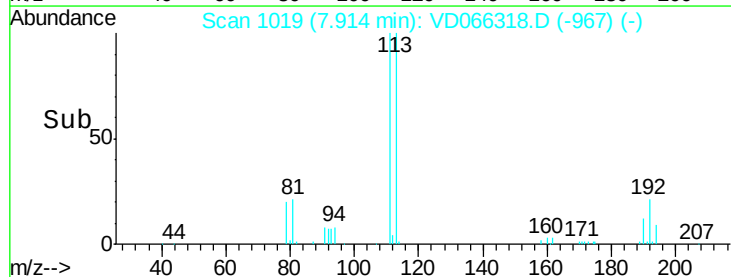
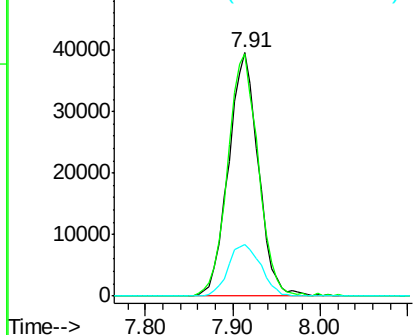


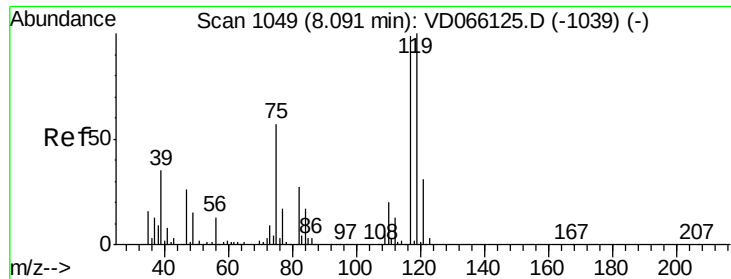
#35
 Dibromofluoromethane
 Concen: 54.974 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066318.D
 Acq: 19 Aug 2020 15:03

Tgt Ion:113 Resp: 91395
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 23.1 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





#38

Carbon Tetrachloride

Concen: 6.375 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

S407-K-SO-1-1.5-081420-FDRE

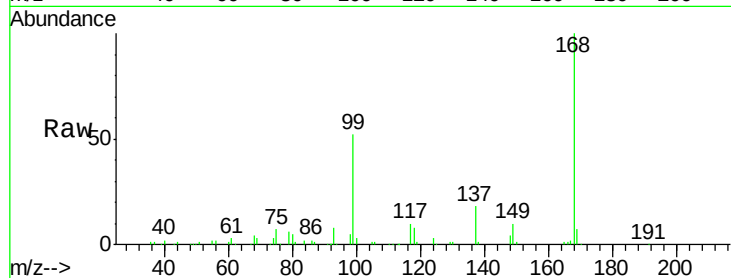
Tgt Ion: 117 Resp: 17532

Ion Ratio Lower Upper

117 100

119 10.2 81.0 121.4#

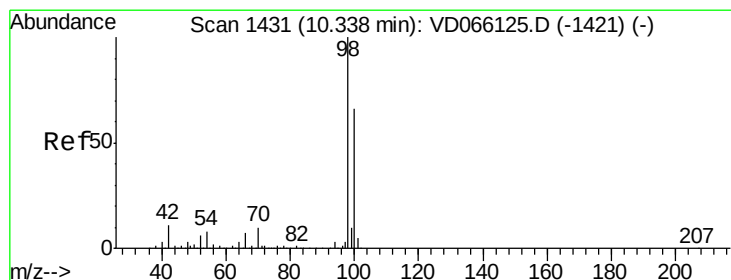
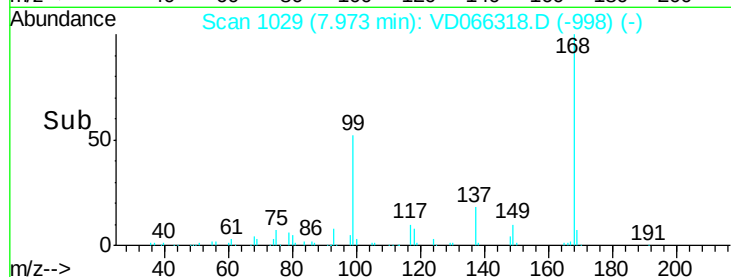
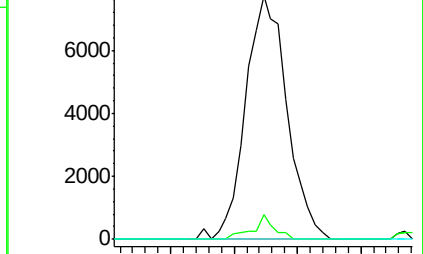
121 0.0 24.8 37.2#



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: 43.708 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066318.D

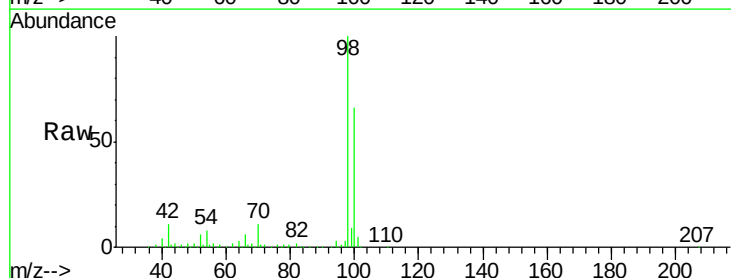
Acq: 19 Aug 2020 15:03

Tgt Ion: 98 Resp: 268153

Ion Ratio Lower Upper

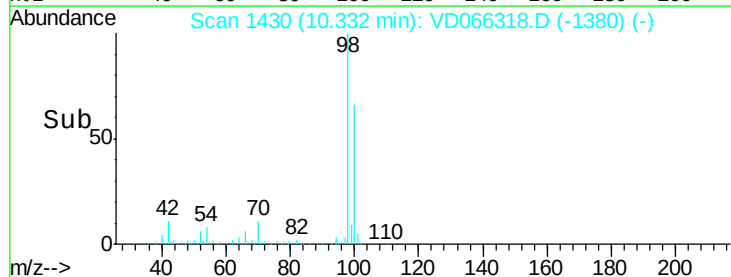
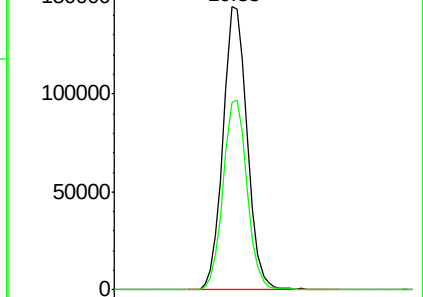
98 100

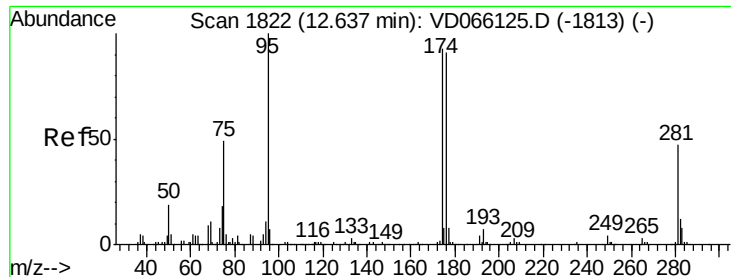
100 66.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 28.082 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

S407-K-SO-1-1.5-081420-FDRE

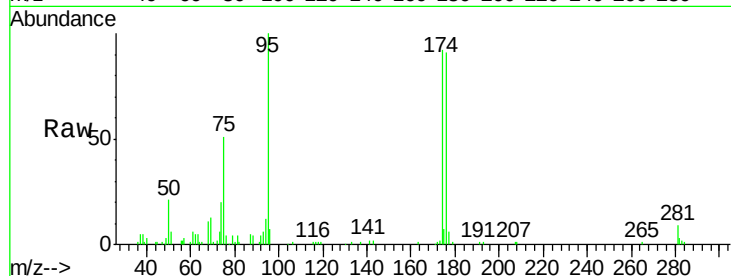
Tgt Ion: 95 Resp: 62102

Ion Ratio Lower Upper

95 100

174 88.2 0.0 180.8

176 87.7 0.0 181.2



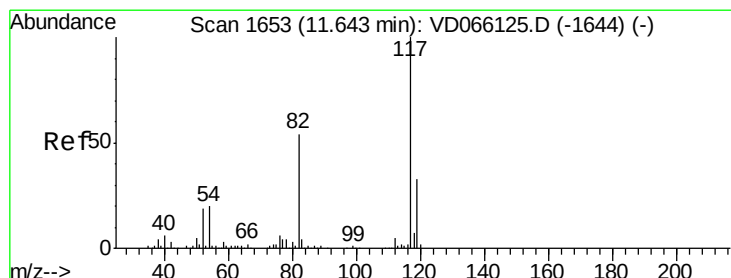
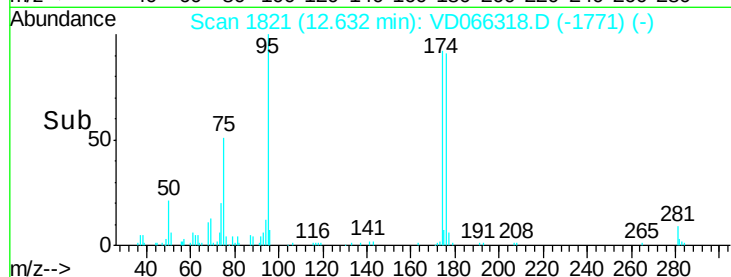
Abundance Ion 94.90 (94.60 to 95.60): VD066318.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD066318.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD066318.D (-1771) (-)

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

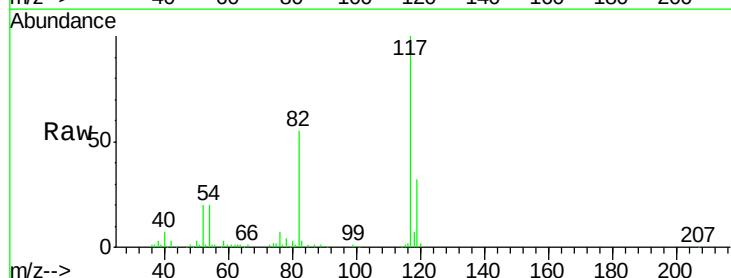
Tgt Ion: 117 Resp: 187452

Ion Ratio Lower Upper

117 100

82 54.9 43.0 64.4

119 31.7 26.1 39.1



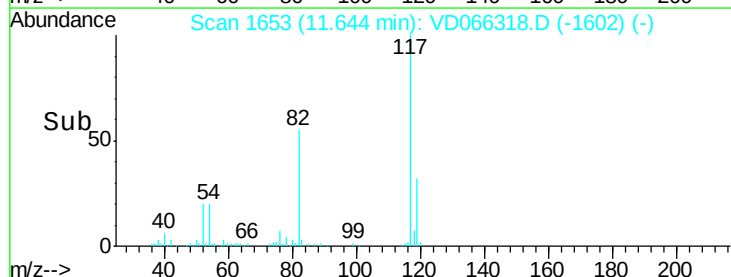
Abundance Ion 116.90 (116.60 to 117.60): VD066318.D (-1602) (-)

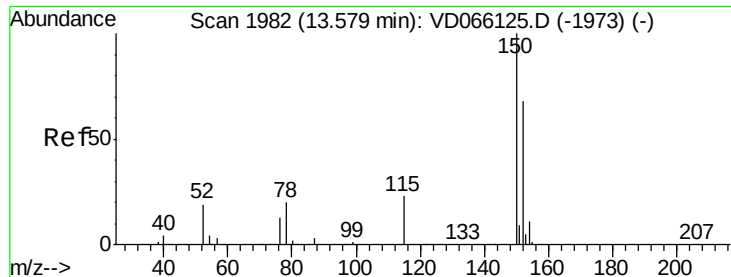
Ion 82.00 (81.70 to 82.70): VD066318.D (-1602) (-)

Ion 118.90 (118.60 to 119.60): VD066318.D (-1602) (-)

11.64

Time-->

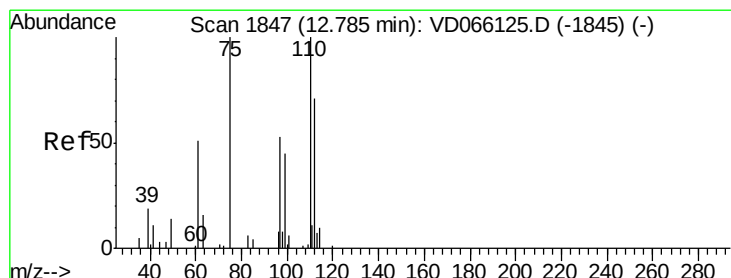
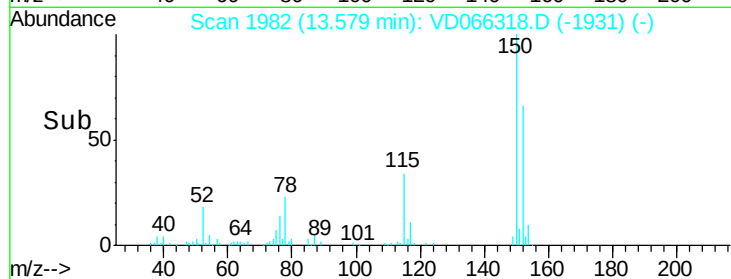
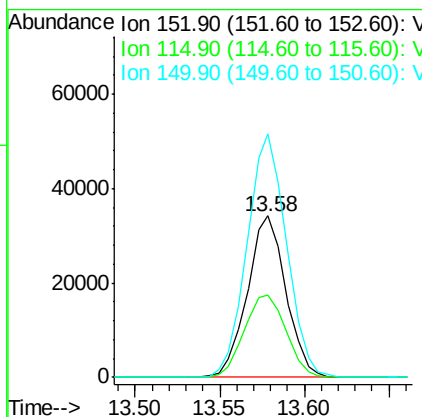
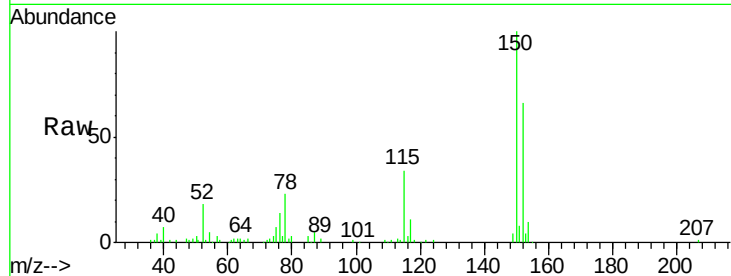




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066318.D
 Acq: 19 Aug 2020 15:03

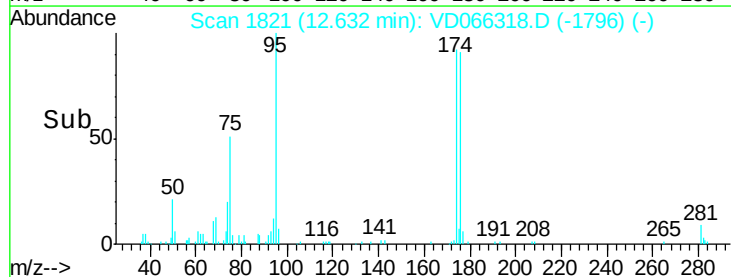
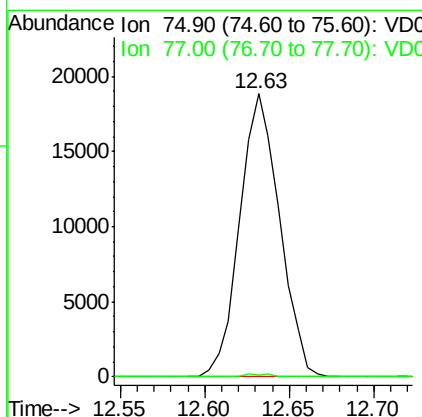
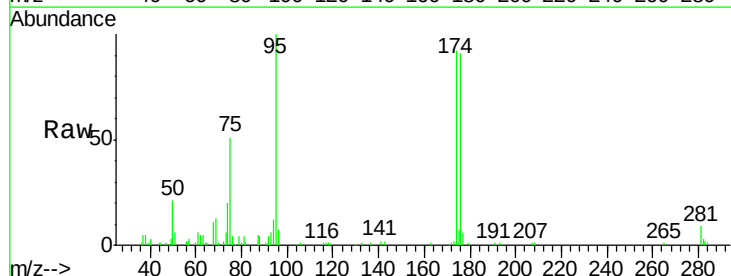
Instrument :
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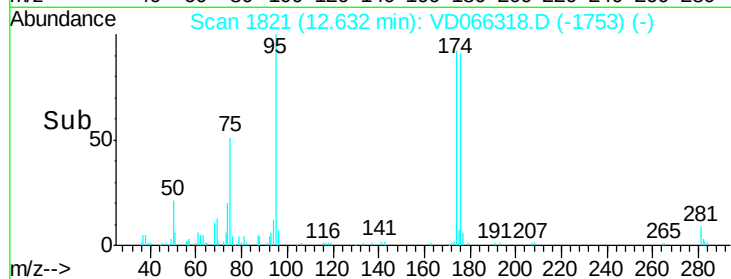
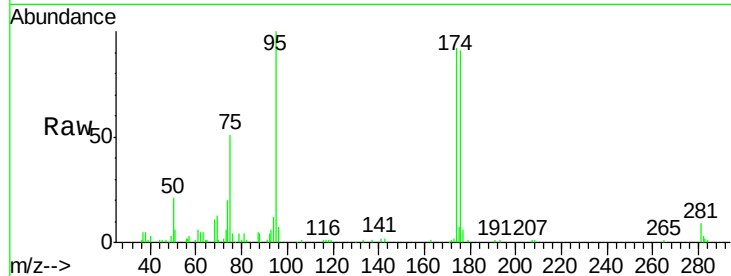
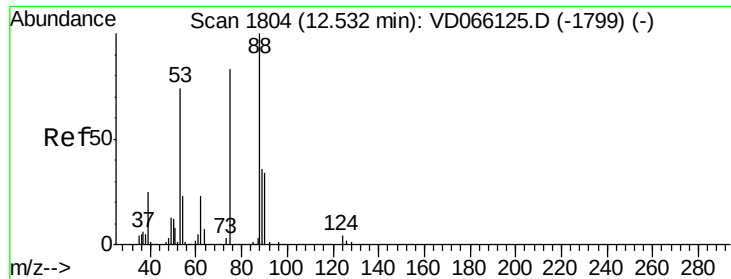
Tgt Ion: 152 Resp: 54129
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.0 83.9
 150 154.0 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 68.527 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066318.D
 Acq: 19 Aug 2020 15:03

Tgt Ion: 75 Resp: 30933
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 151.483 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066318.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

S407-K-SO-1-1.5-081420-FDRE

Tgt Ion: 75 Resp: 30933

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.4 36.6 55.0#

