

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066288.D
 Acq On : 18 Aug 2020 19:53
 Operator : VA/SY
 Sample : L3700-06
 Misc : 7.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 19 06:43:33 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

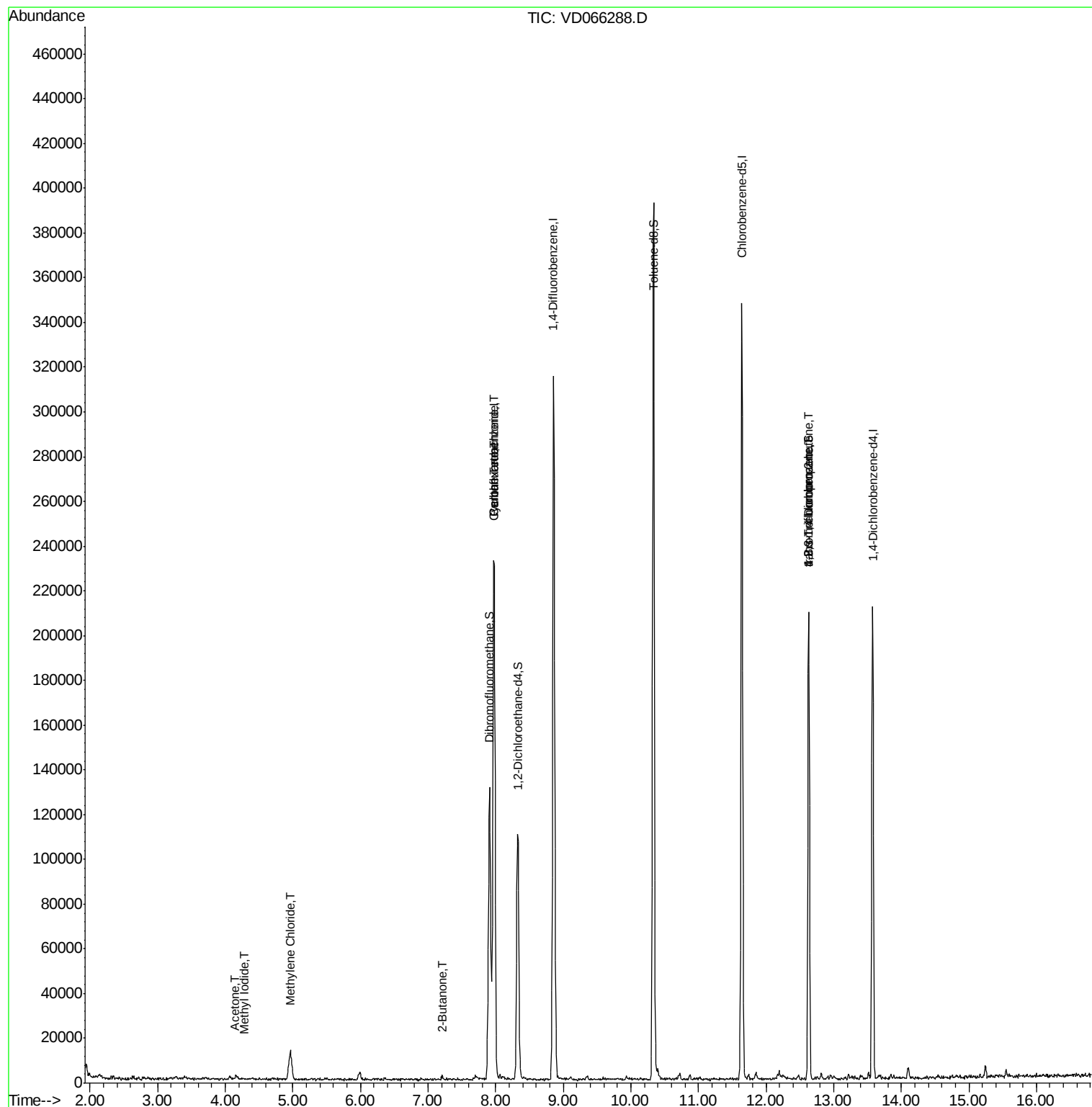
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	184848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	279616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	207812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	59510	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	96403	58.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.92%	
35) Dibromofluoromethane	7.91	113	90523	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
50) Toluene-d8	10.34	98	264806	40.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.02%	
62) 4-Bromofluorobenzene	12.63	95	63795	27.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	54.16%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.28	142	119	6.776	ug/l #	39
16) Acetone	4.16	43	2946	9.415	ug/l #	66
20) Methylene Chloride	4.96	84	10102	1.055	ug/l #	90
25) 2-Butanone	7.22	43	664	1.443	ug/l #	47
31) Cyclohexane	7.98	56	4624	1.600	ug/l #	58
38) Carbon Tetrachloride	7.98	117	18245	6.227	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	32856	66.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	32856	146.352	ug/l #	13

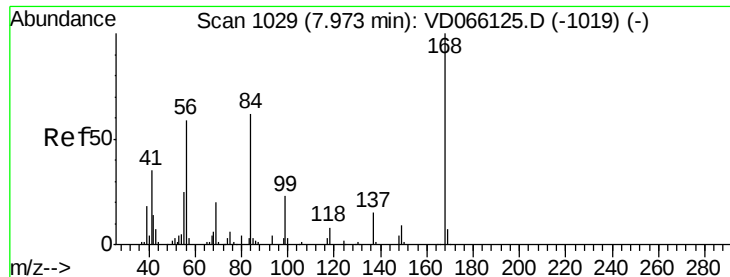
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066288.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_D

ClientSampleId :

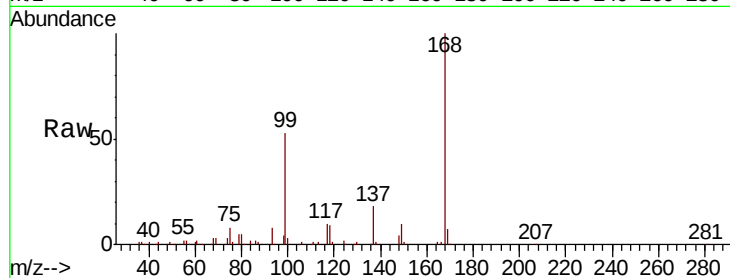
S407-K-SO-1-1.5-081420

Tot Ion:168 Resp: 184848

Ion Ratio Lower Upper

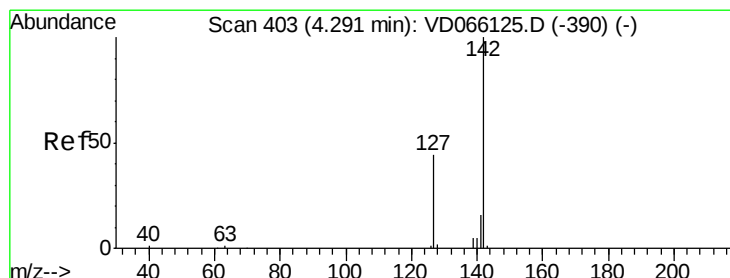
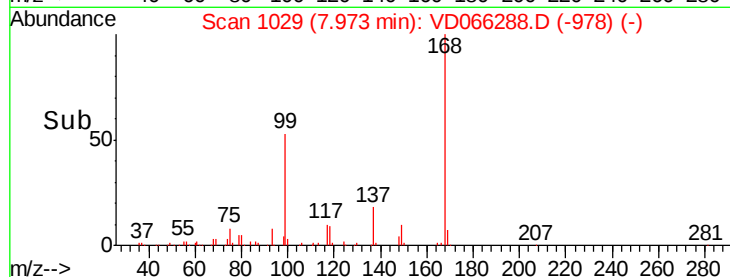
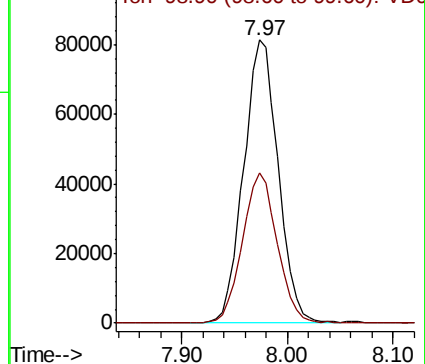
168 100

99 53.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 6.776 ug/l

RT: 4.28 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

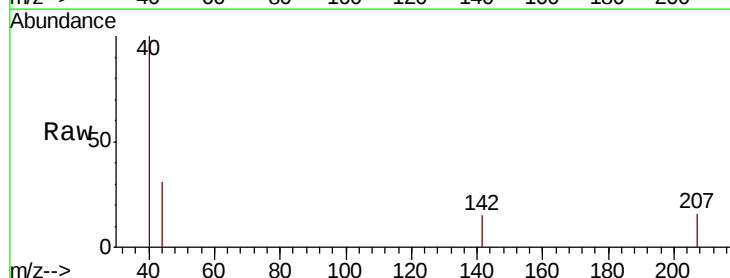
Tgt Ion:142 Resp: 119

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

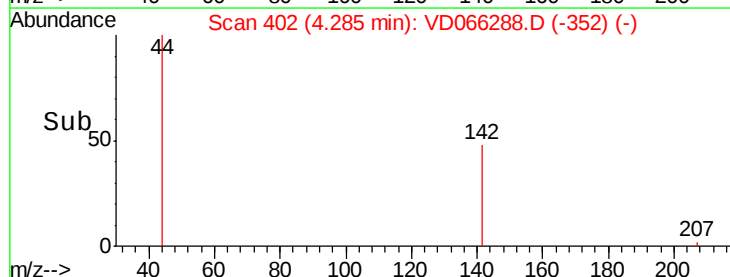
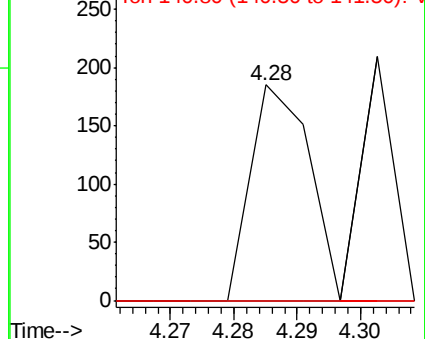
141 0.0 12.6 18.8#

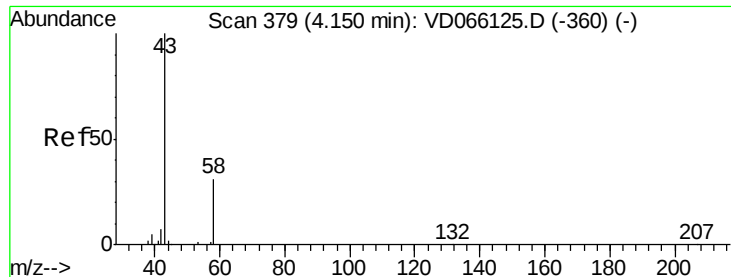


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 9.415 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_D

ClientSampleId :

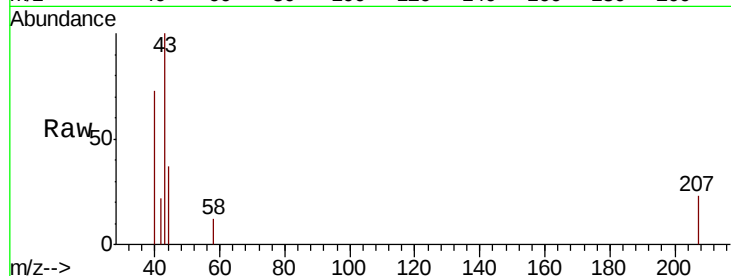
S407-K-SO-1-1.5-081420

Tot Ion: 43 Resp: 2946

Ion Ratio Lower Upper

43 100

58 12.4 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1500

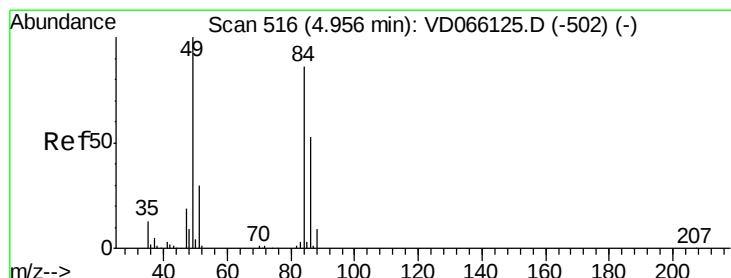
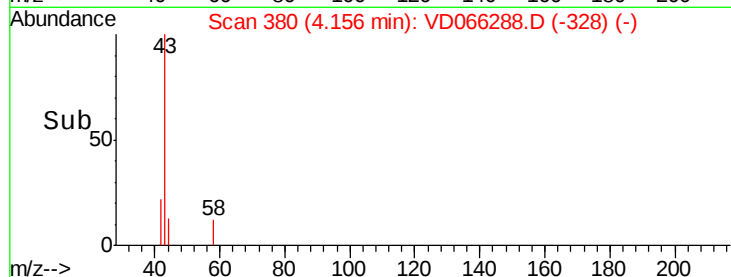
1000

500

0

Time-->

4.10 4.15 4.20



#20

Methylene Chloride

Concen: 1.055 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

Tgt Ion: 84 Resp: 10102

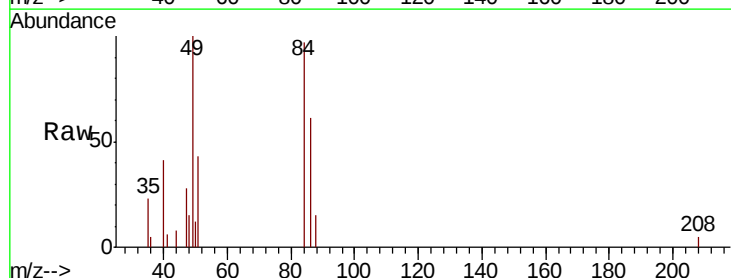
Ion Ratio Lower Upper

84 100

49 103.3 93.5 140.3

51 44.4 28.2 42.4#

86 63.4 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

6000

5000

4000

3000

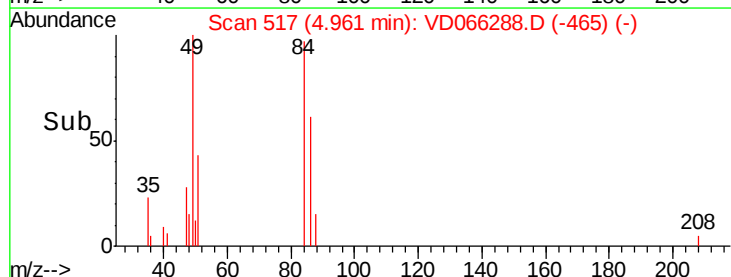
2000

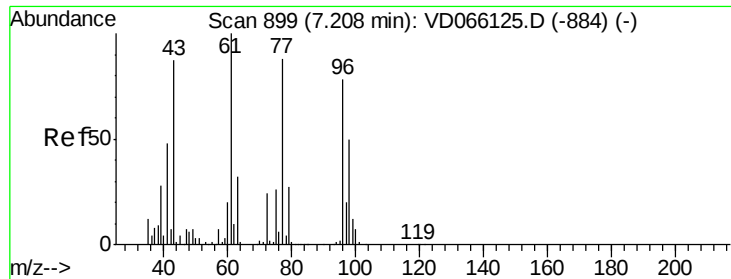
1000

0

Time-->

4.90 4.96 5.00





#25

2-Butanone

Concen: 1.443 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_D

ClientSampleId :

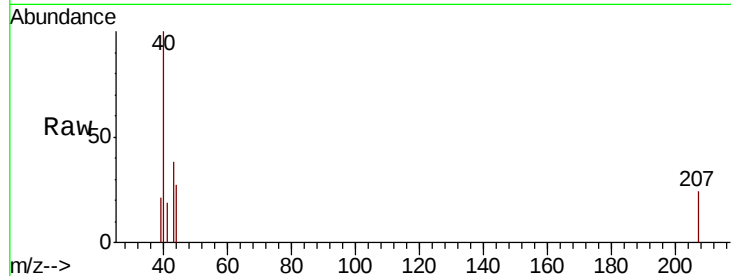
S407-K-SO-1-1.5-081420

Tot Ion: 43 Resp: 664

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

400

300

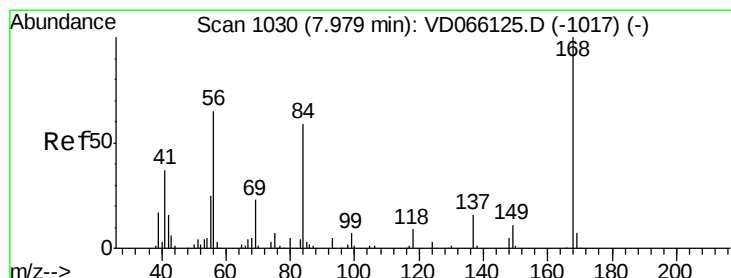
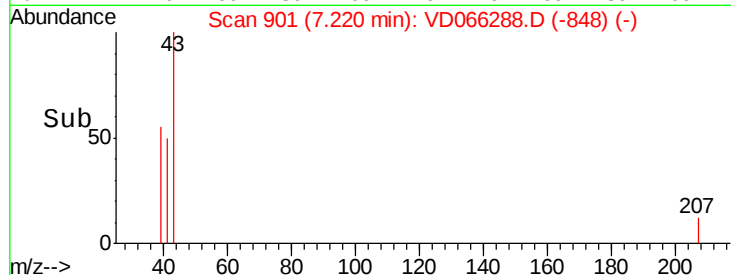
200

100

0

7.16 7.18 7.20 7.22 7.24

Time-->



#31

Cyclohexane

Concen: 1.600 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

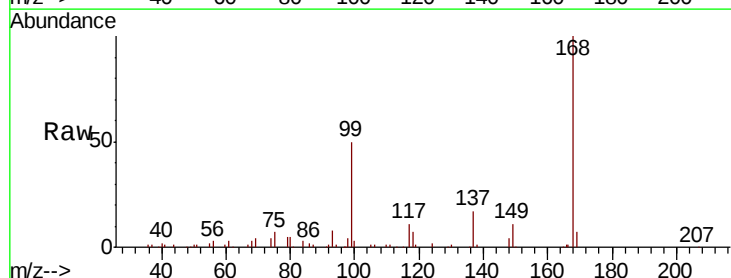
Tgt Ion: 56 Resp: 4624

Ion Ratio Lower Upper

56 100

69 122.0 28.8 43.2#

84 90.1 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

4000

3000

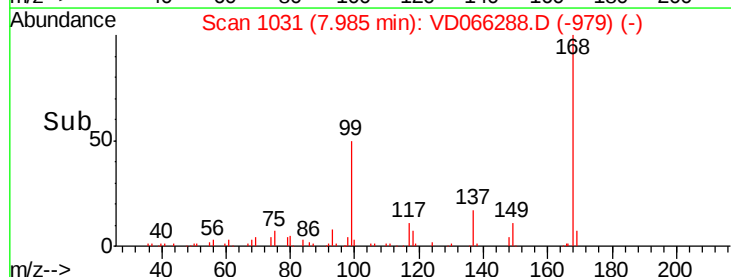
2000

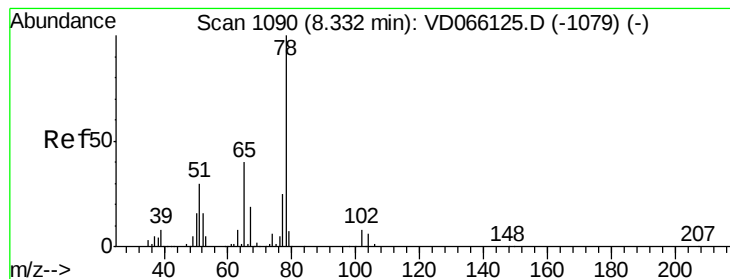
1000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.457 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_D

ClientSampleId :

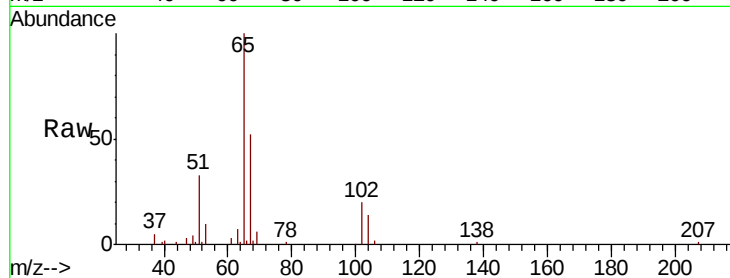
S407-K-SO-1-1.5-081420

Tot Ion: 65 Resp: 96403

Ion Ratio Lower Upper

65 100

67 47.0 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

40000

30000

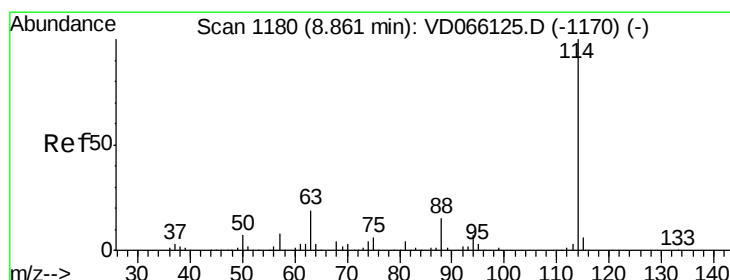
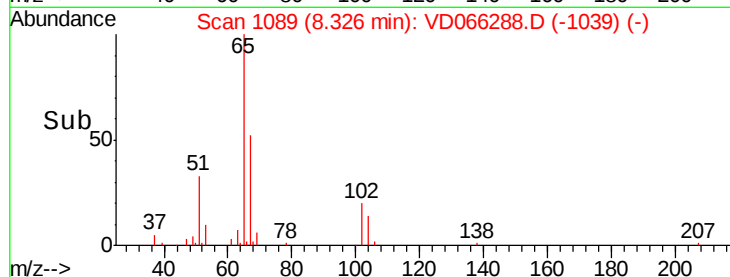
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

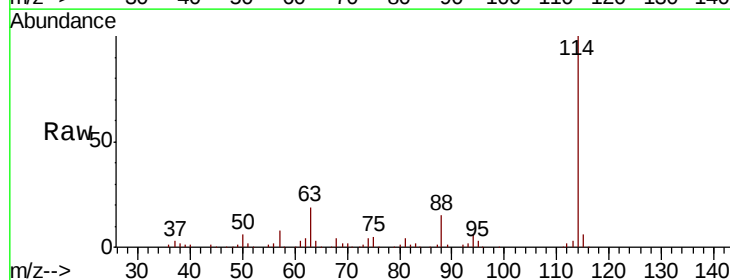
Tgt Ion: 114 Resp: 279616

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.1 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

8.86

150000

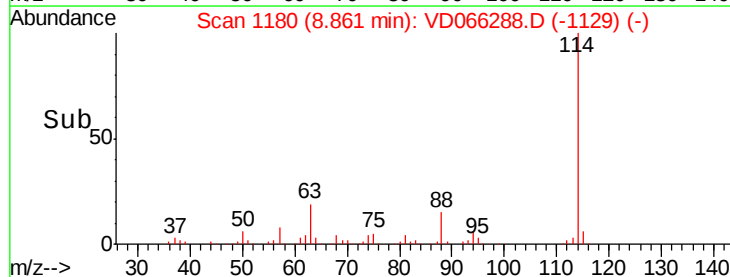
100000

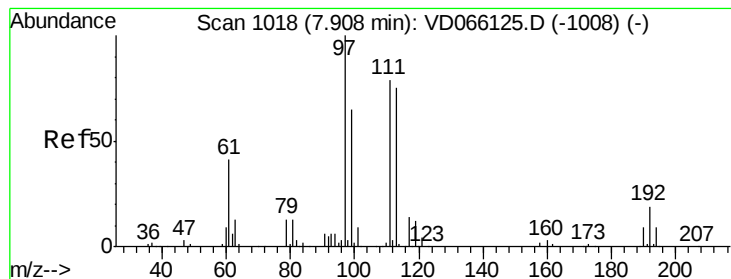
50000

0

8.80 8.90

Time-->





#35

Dibromofluoromethane

Concen: 51.104 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_D

ClientSampleId :

S407-K-SO-1-1.5-081420

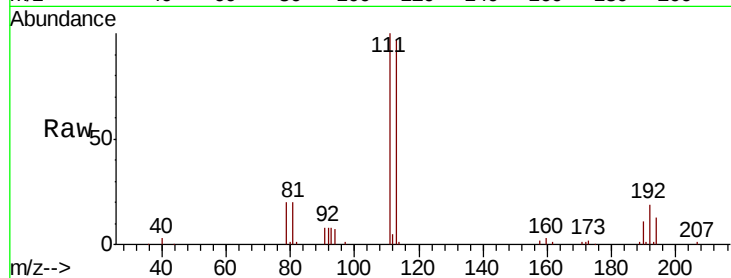
Tot Ion:113 Resp: 90523

Ion Ratio Lower Upper

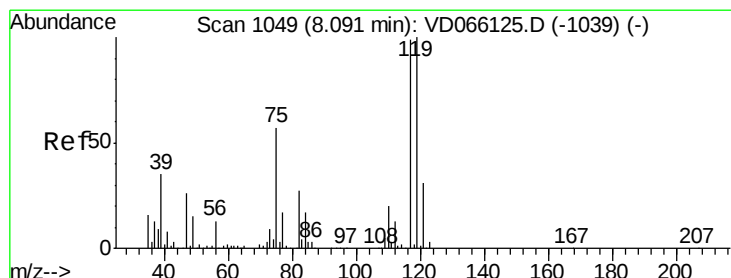
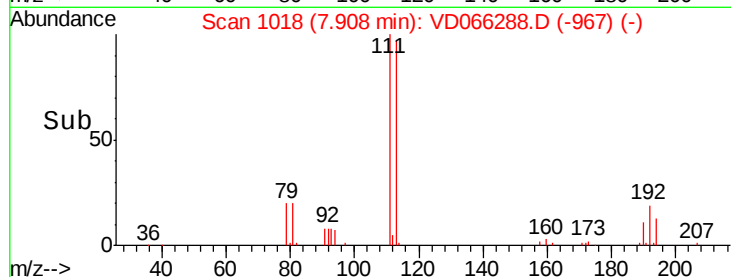
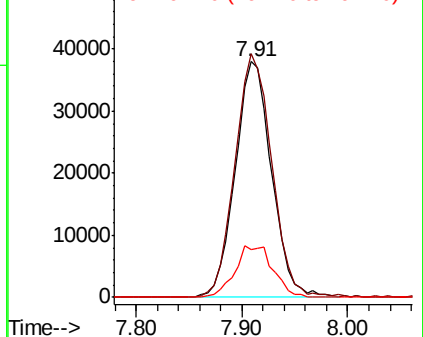
113 100

111 105.1 80.7 121.1

192 22.8 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: 6.227 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066288.D

Acq: 18 Aug 2020 19:53

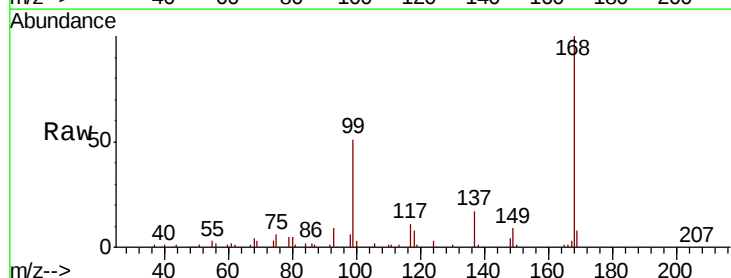
Tgt Ion:117 Resp: 18245

Ion Ratio Lower Upper

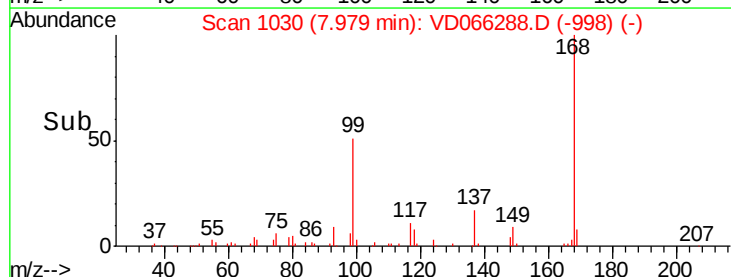
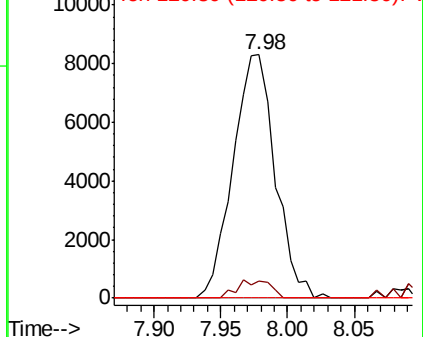
117 100

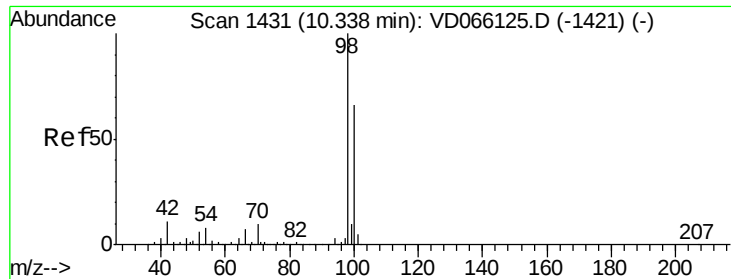
119 7.1 81.0 121.4#

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

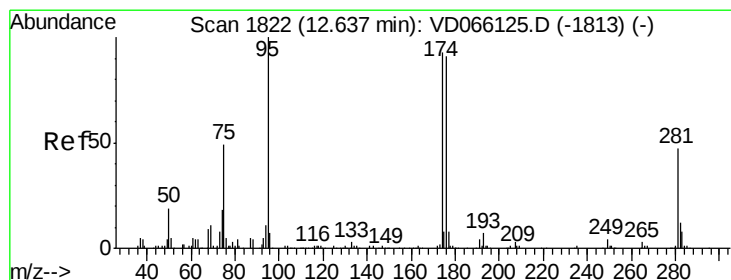
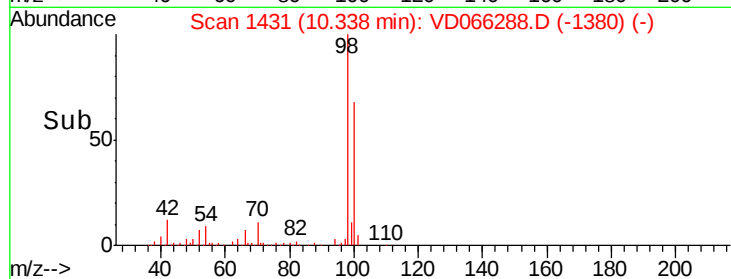
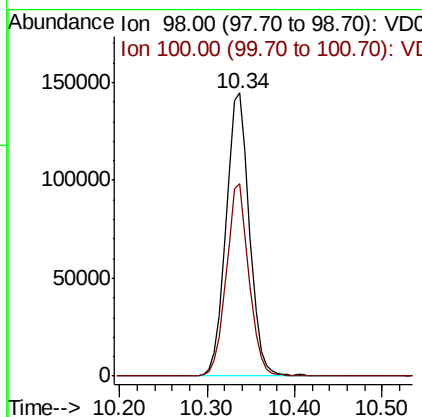
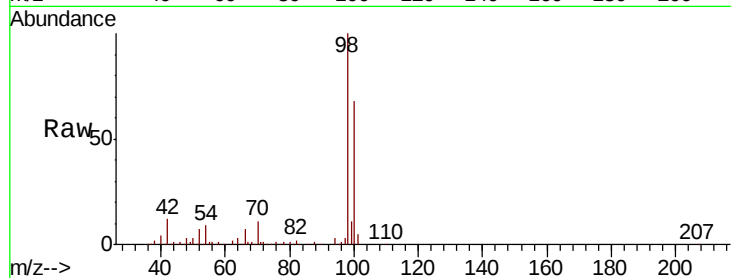




#50
Toluene-d8
Concen: 40.511 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066288.D
Acq: 18 Aug 2020 19:53

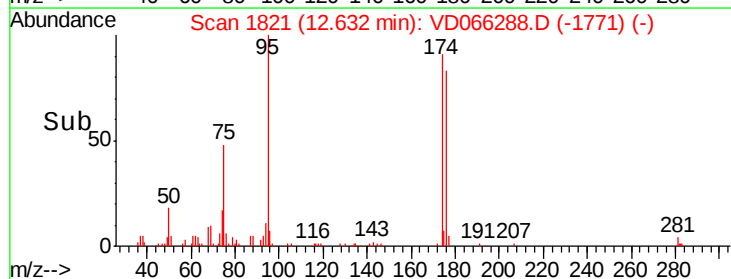
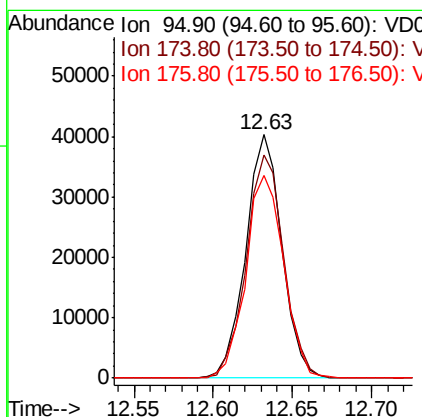
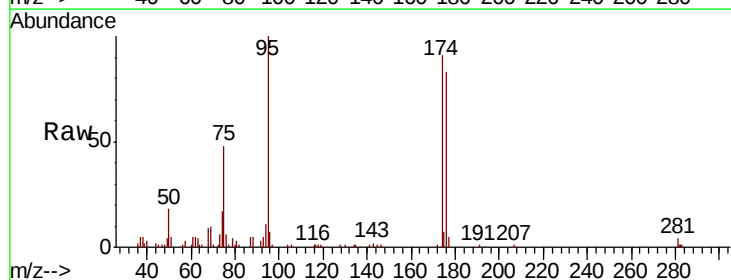
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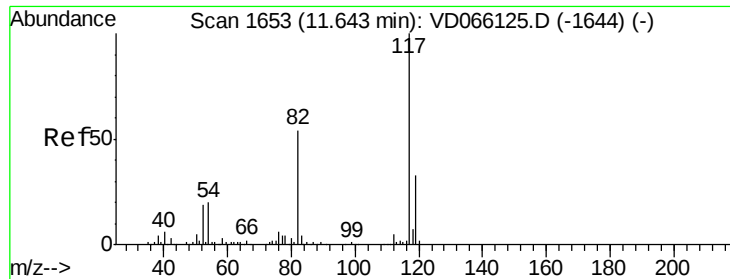
Tot Ion: 98 Resp: 264806
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 27.075 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066288.D
Acq: 18 Aug 2020 19:53

Tgt Ion: 95 Resp: 63795
Ion Ratio Lower Upper
95 100
174 95.0 0.0 180.8
176 87.3 0.0 181.2

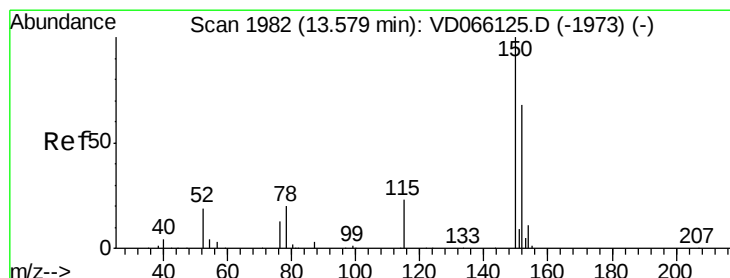
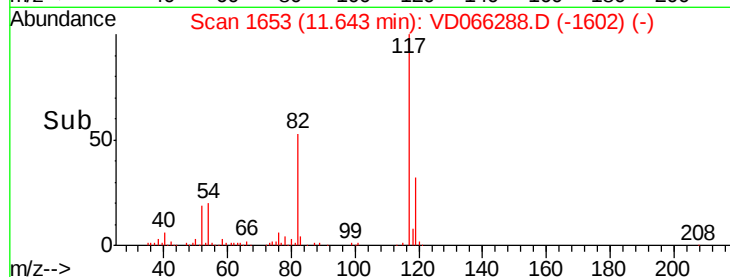
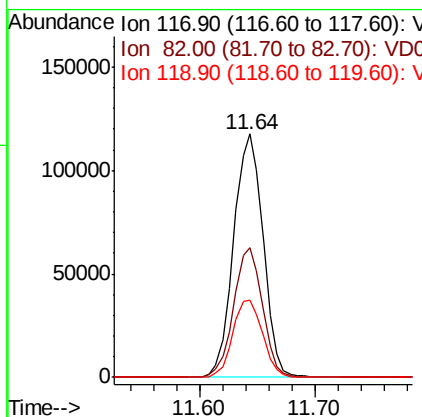
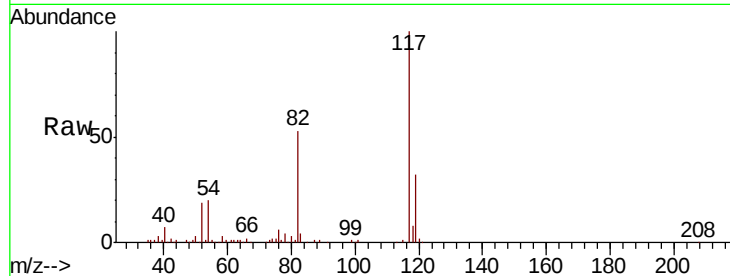




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066288.D
Acq: 18 Aug 2020 19:53

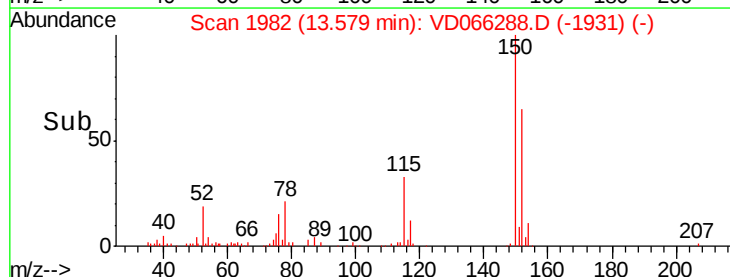
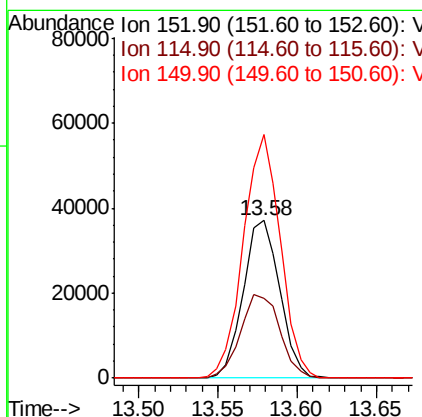
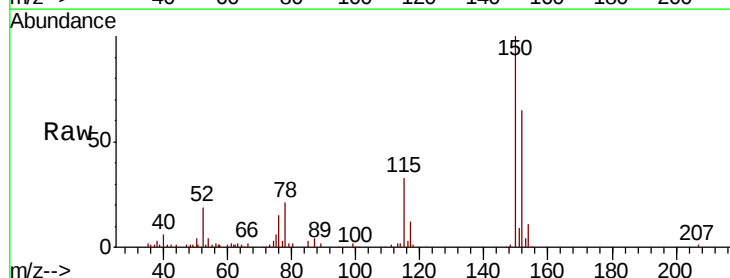
Instrument :
MSVOA_D
ClientSampleId :
S407-K-SO-1-1.5-081420

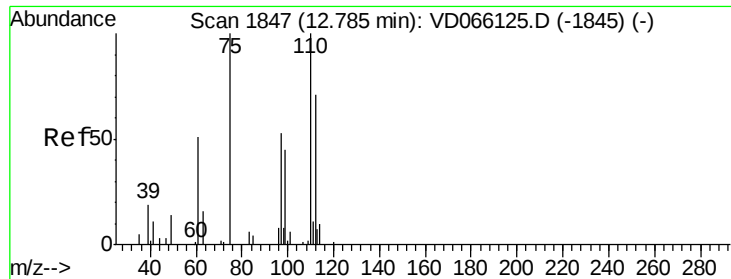
Tot Ion:117 Resp: 207812
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066288.D
Acq: 18 Aug 2020 19:53

Tgt Ion:152 Resp: 59510
Ion Ratio Lower Upper
152 100
115 57.1 28.0 83.9
150 155.8 0.0 346.4

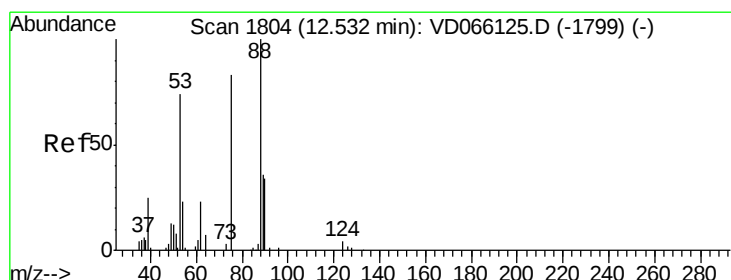
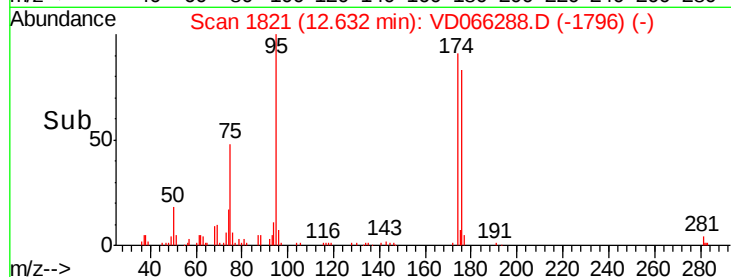
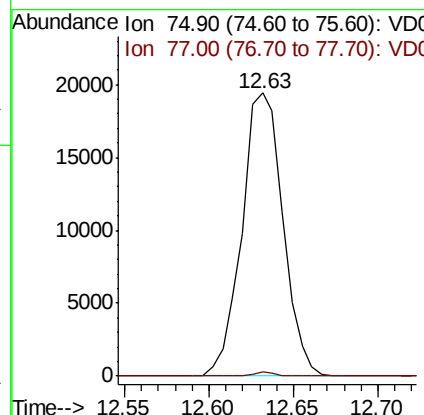
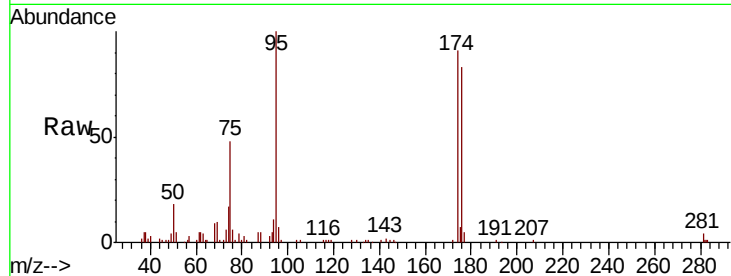




#76
 1,2,3-Trichloropropane
 Concen: 66.206 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066288.D
 Acq: 18 Aug 2020 19:53

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

Tot Ion: 75 Resp: 32856
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.352 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066288.D
 Acq: 18 Aug 2020 19:53

Tgt Ion: 75 Resp: 32856
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.0 36.6 55.0#

