

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066289.D
 Acq On : 18 Aug 2020 20:20
 Operator : VA/SY
 Sample : L3700-07
 Misc : 7.93G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 19 06:43:42 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

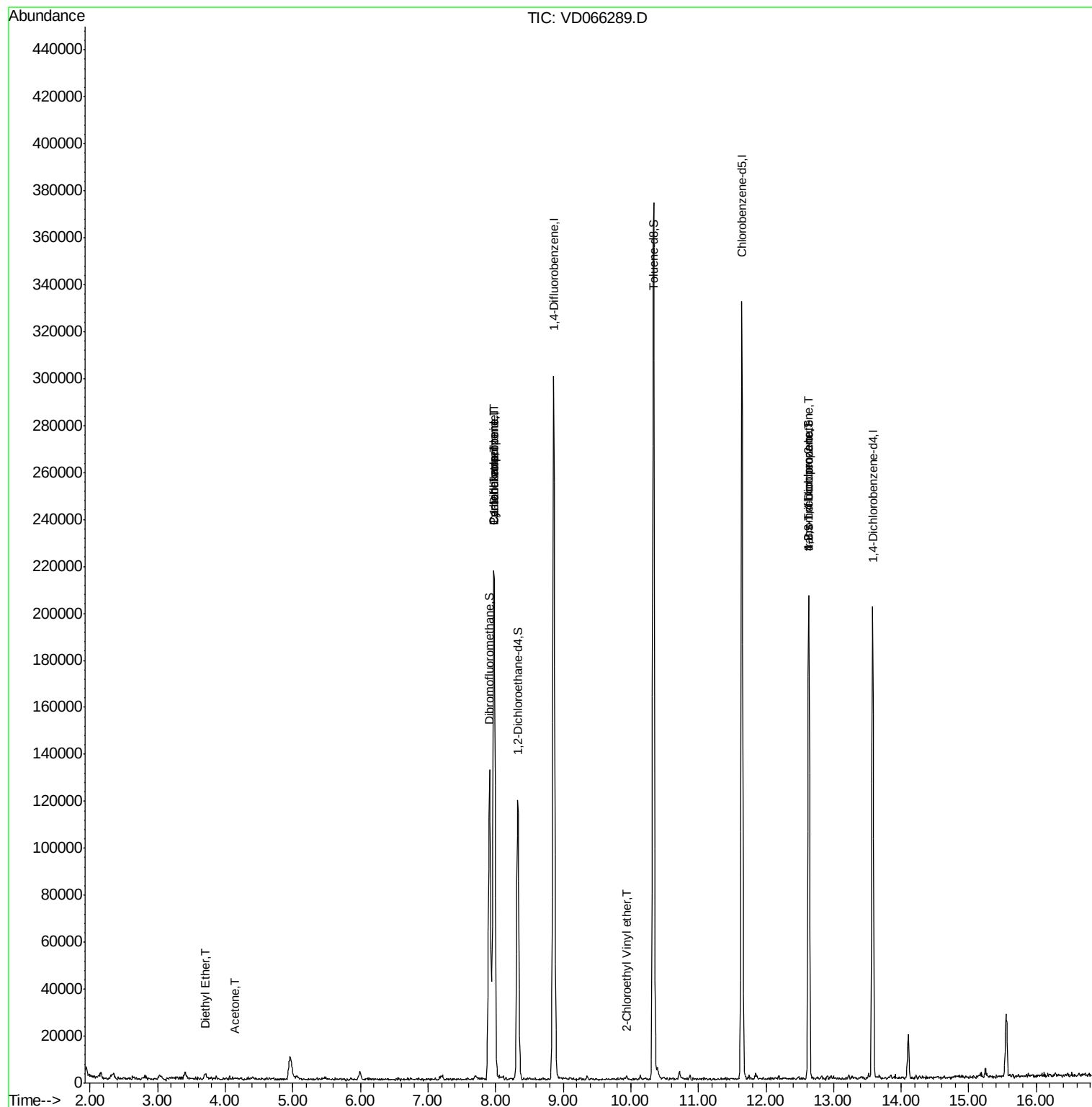
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	173444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	259288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	192158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	55079	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	94297	60.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.88%	
35) Dibromofluoromethane	7.91	113	91194	55.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.04%	
50) Toluene-d8	10.34	98	257129	42.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.84%	
62) 4-Bromofluorobenzene	12.63	95	61885	28.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.64%	
Target Compounds						
8) Diethyl Ether	3.70	74	1275	1.647	ug/l	97
16) Acetone	4.14	43	701	2.388	ug/l #	44
20) Methylene Chloride	4.96	84	7651	Below Cal		89
31) Cyclohexane	7.98	56	4097	1.511	ug/l #	52
36) 1,1-Dichloropropene	7.97	75	12360	5.073	ug/l #	52
38) Carbon Tetrachloride	7.97	117	16707	6.149	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.94	63	741	1.046	ug/l #	56
76) 1,2,3-Trichloropropane	12.63	75	32035	69.744	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	32035	154.174	ug/l #	13

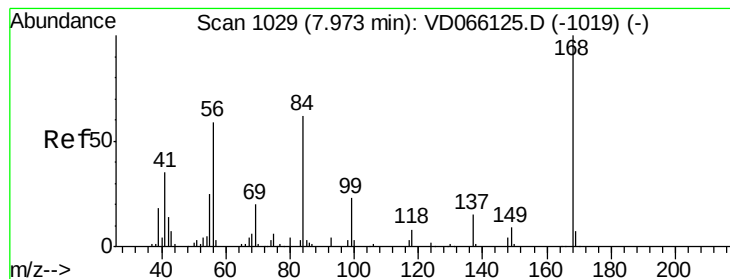
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066289.D

Acq: 18 Aug 2020 20:20

Instrument :

MSVOA_D

ClientSampleId :

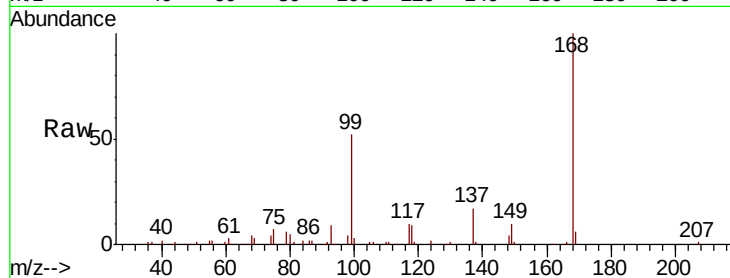
S407-K-SO-1-1.5-081420-FD

Tot Ion:168 Resp: 173444

Ion Ratio Lower Upper

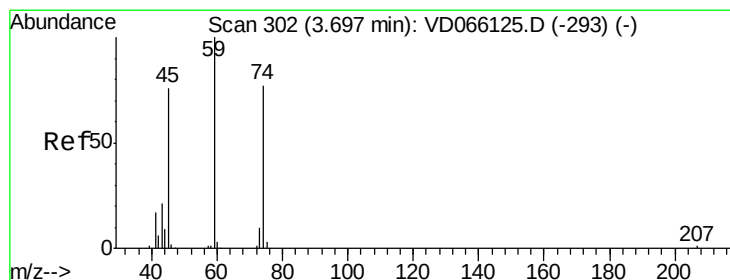
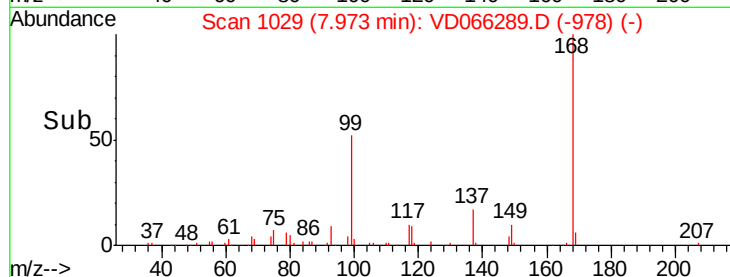
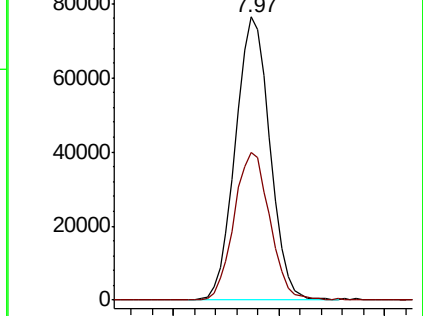
168 100

99 52.0 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: 1.647 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066289.D

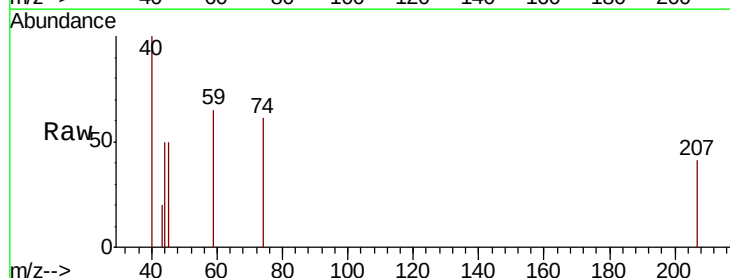
Acq: 18 Aug 2020 20:20

Tgt Ion: 74 Resp: 1275

Ion Ratio Lower Upper

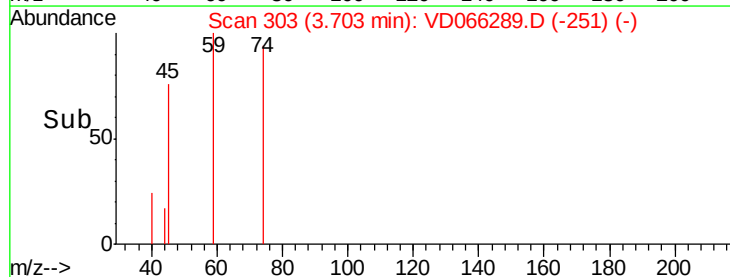
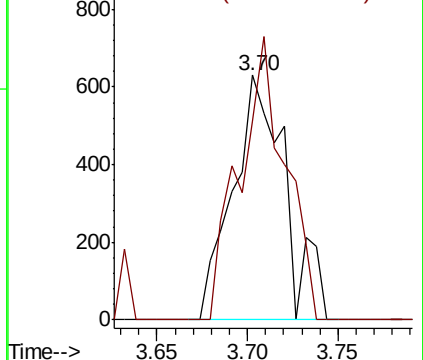
74 100

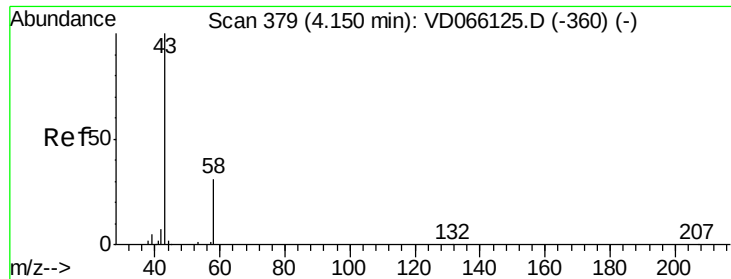
45 100.1 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

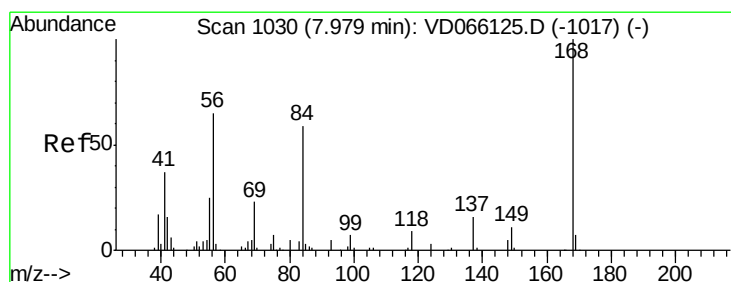
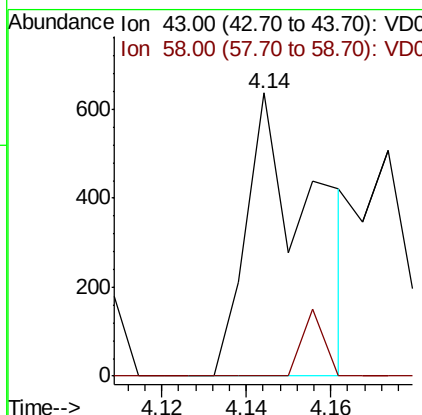
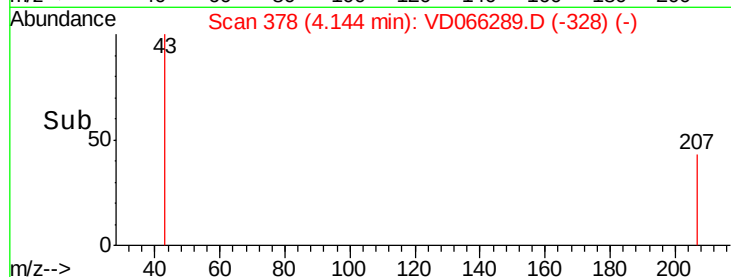
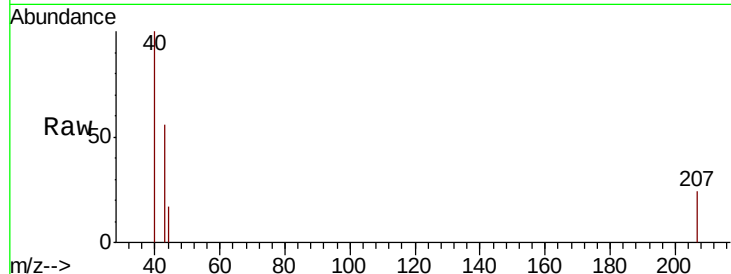




#16
Acetone
Concen: 2.388 ug/l
RT: 4.14 min Scan# 378
Delta R.T. -0.01 min
Lab File: VD066289.D
Acq: 18 Aug 2020 20:20

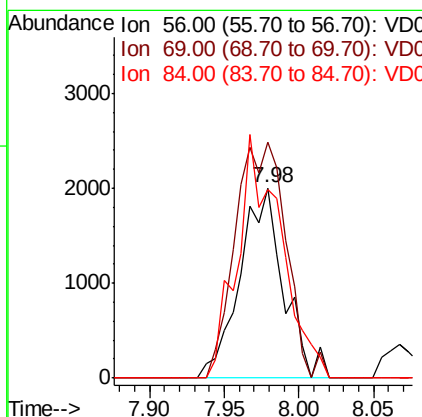
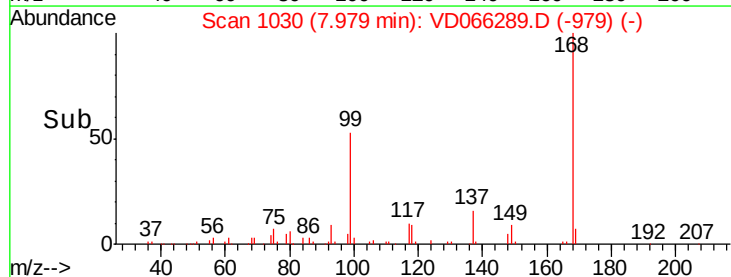
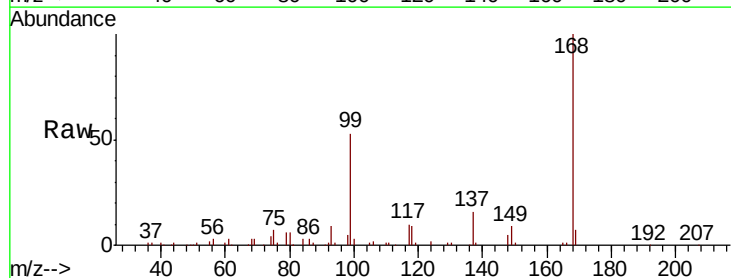
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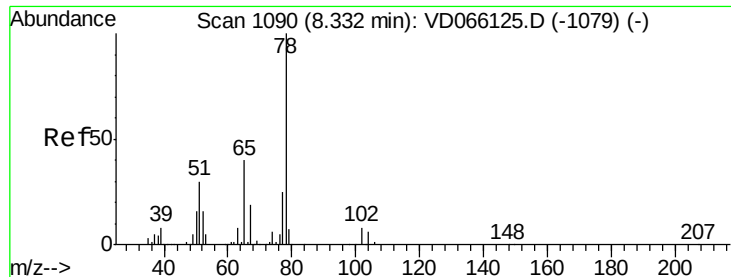
Tot Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
58 0.0 24.7 37.1#



#31
Cyclohexane
Concen: 1.511 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066289.D
Acq: 18 Aug 2020 20:20

Tgt Ion: 56 Resp: 4097
Ion Ratio Lower Upper
56 100
69 124.4 28.8 43.2#
84 99.0 73.0 109.6

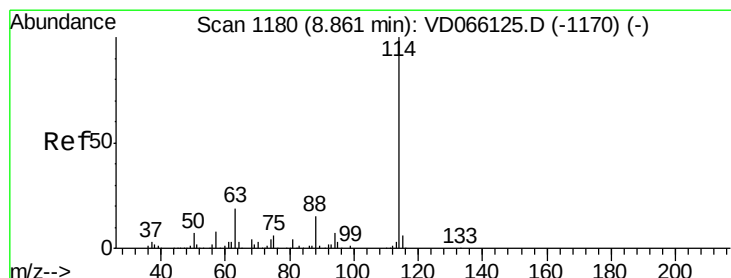
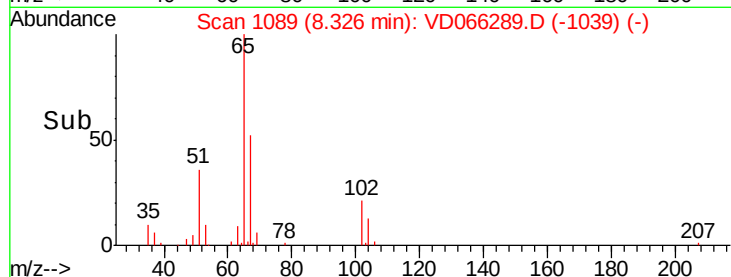
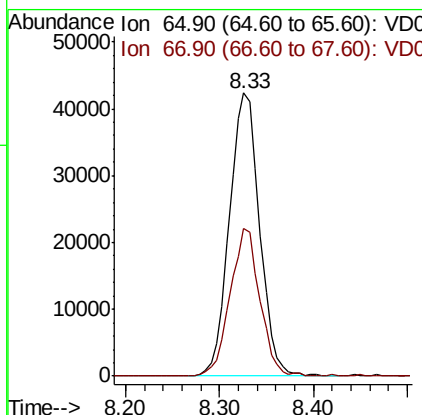
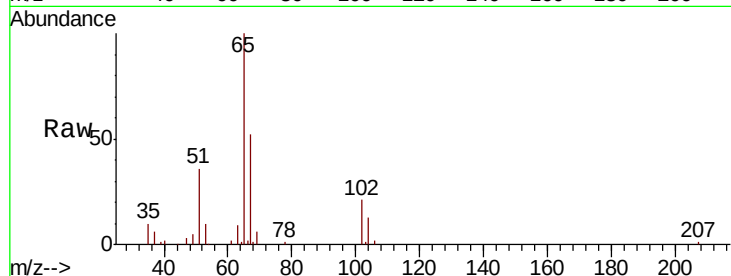




#33
 1,2-Dichloroethane-d4
 Concen: 60.940 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066289.D
 Acq: 18 Aug 2020 20:20

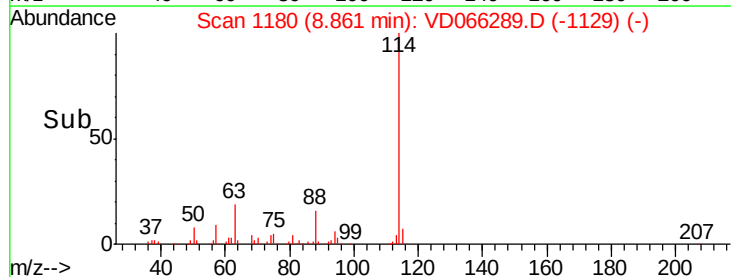
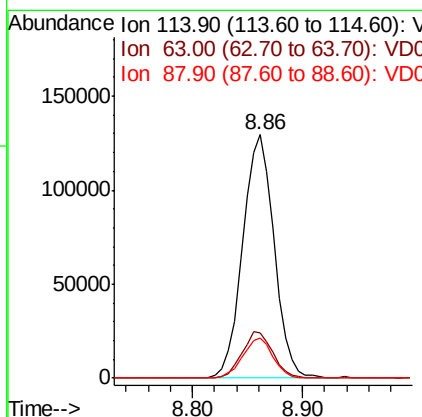
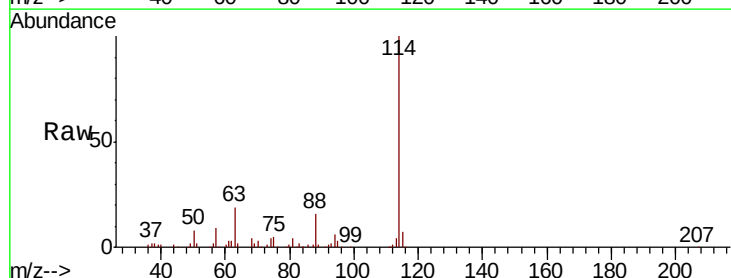
Instrument :
 MSVOA_D
 ClientSampleId :
 S407-K-SO-1-1.5-081420-FD

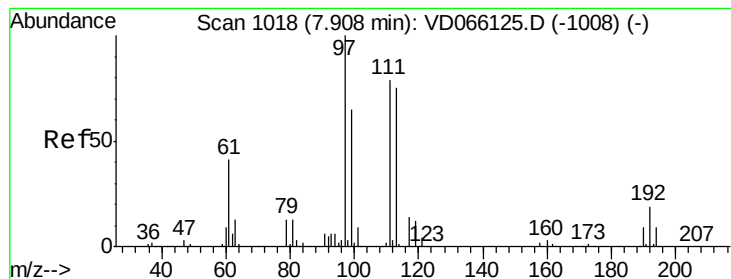
Tot Ion: 65 Resp: 94297
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066289.D
 Acq: 18 Aug 2020 20:20

Tgt Ion: 114 Resp: 259288
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 16.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.519 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066289.D

Acq: 18 Aug 2020 20:20

Instrument :

MSVOA_D

ClientSampleId :

S407-K-SO-1-1.5-081420-FD

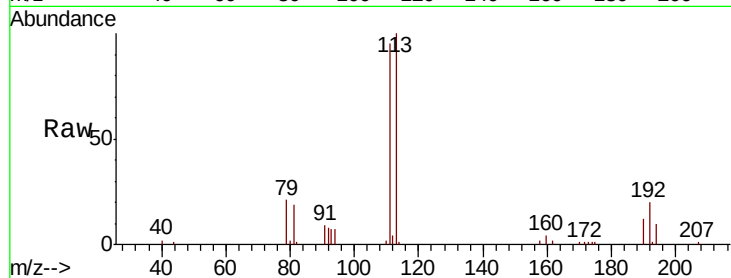
Tot Ion:113 Resp: 91194

Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

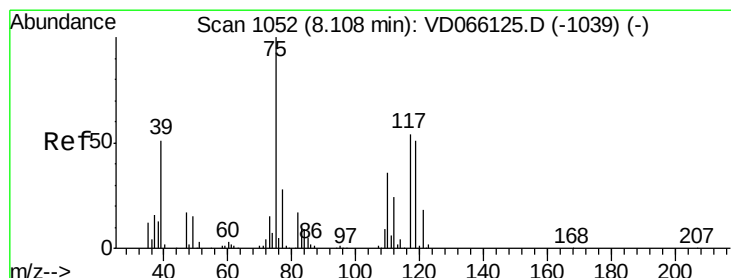
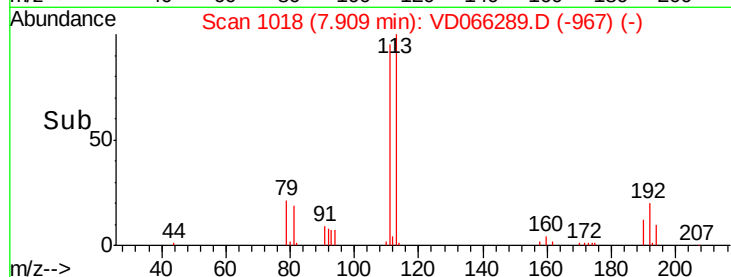
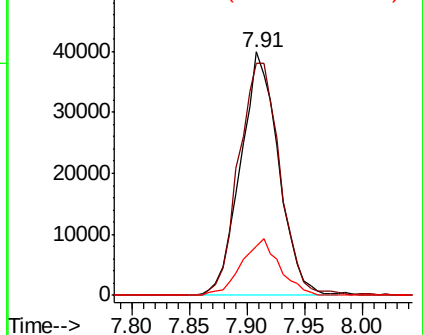
192 23.2 18.4 27.6



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: 5.073 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066289.D

Acq: 18 Aug 2020 20:20

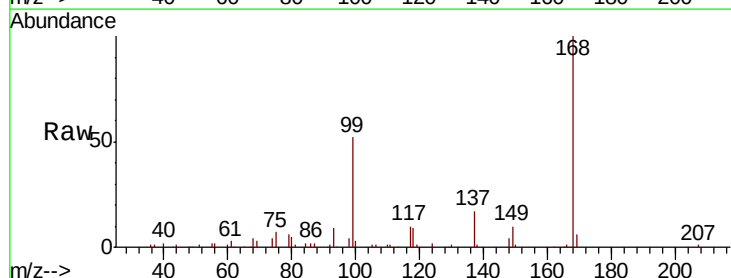
Tgt Ion: 75 Resp: 12360

Ion Ratio Lower Upper

75 100

110 11.9 18.8 56.3#

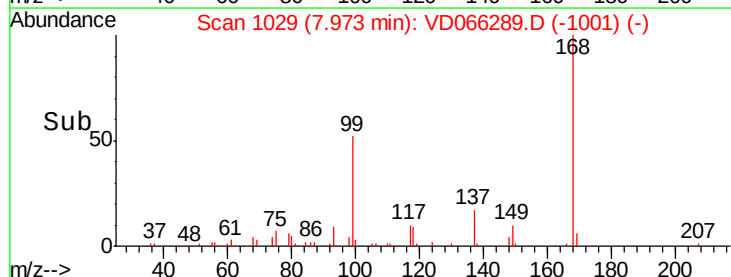
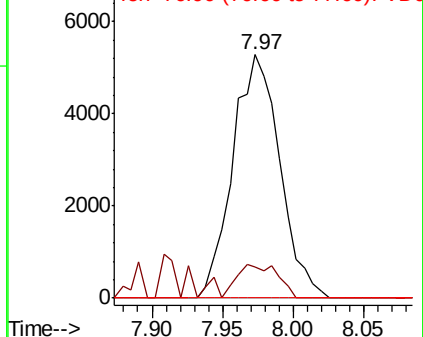
77 0.0 24.2 36.2#

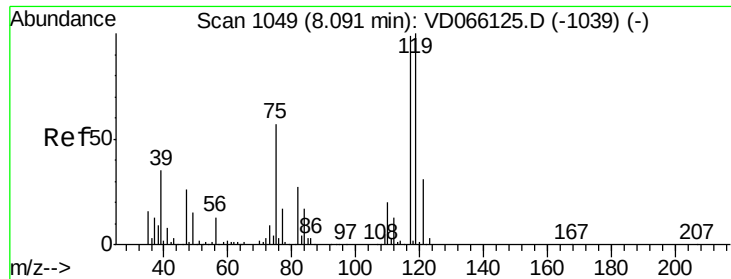


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

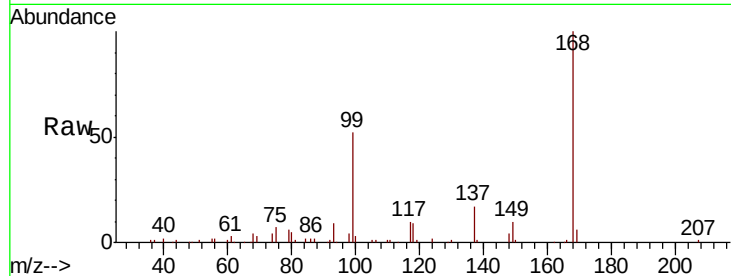




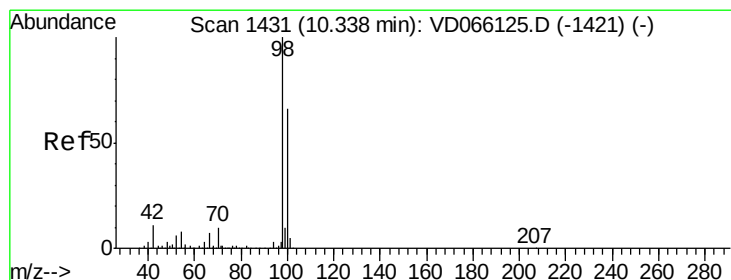
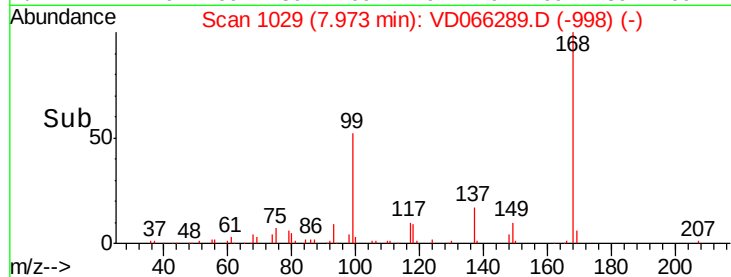
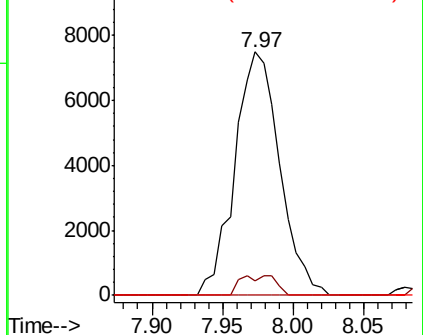
#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066289.D
Acq: 18 Aug 2020 20:20

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

Tot Ion:117 Resp: 16707
Ion Ratio Lower Upper
117 100
119 5.8 81.0 121.4#
121 0.0 24.8 37.2#

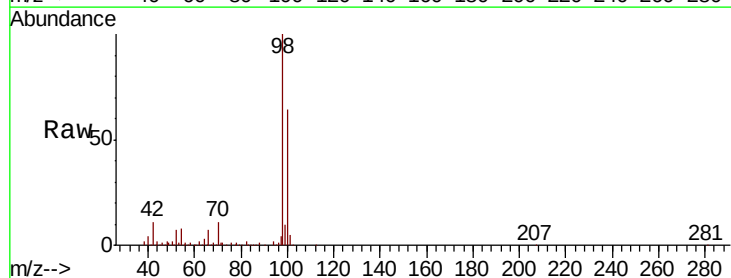


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

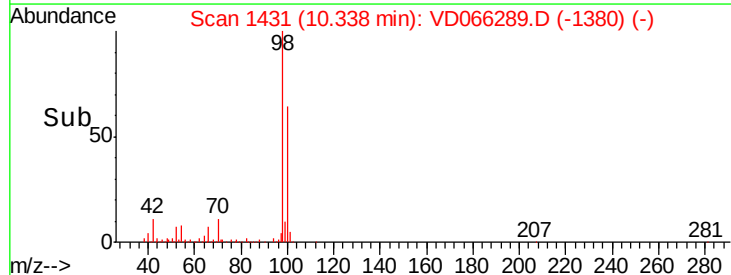
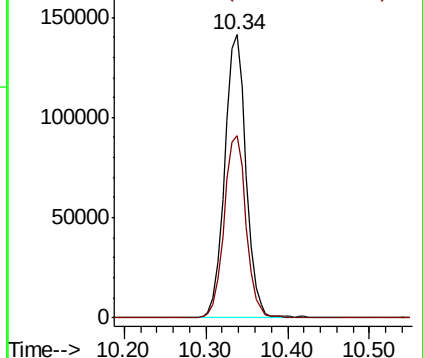


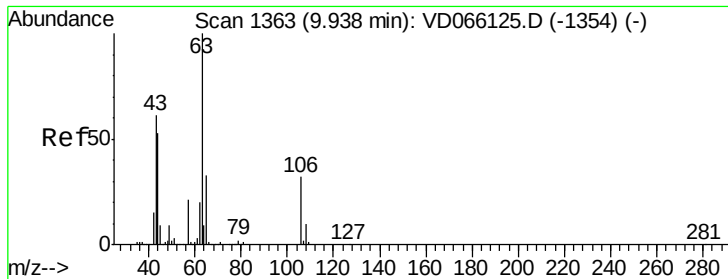
#50
Toluene-d8
Concen: 42.420 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066289.D
Acq: 18 Aug 2020 20:20

Tgt Ion: 98 Resp: 257129
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

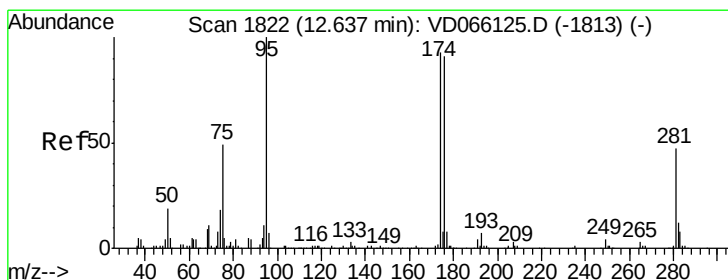
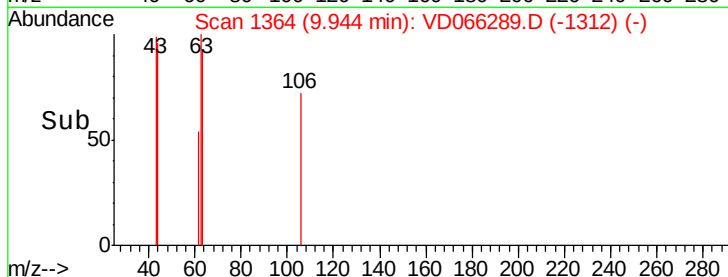
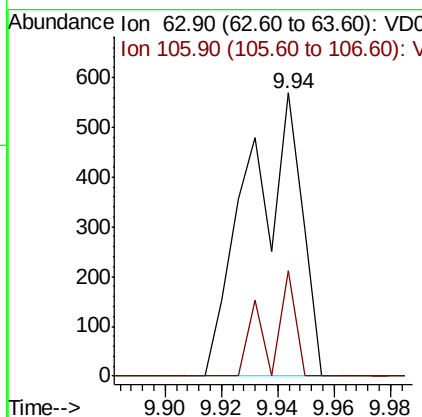
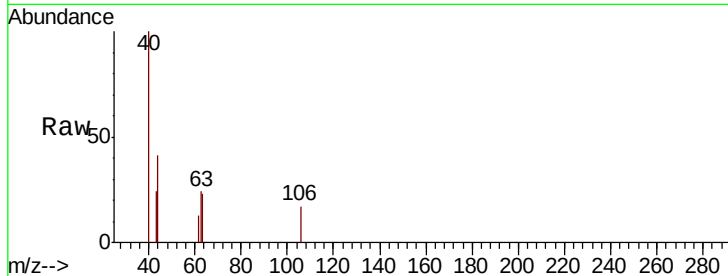




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.046 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD066289.D
 Acq: 18 Aug 2020 20:20

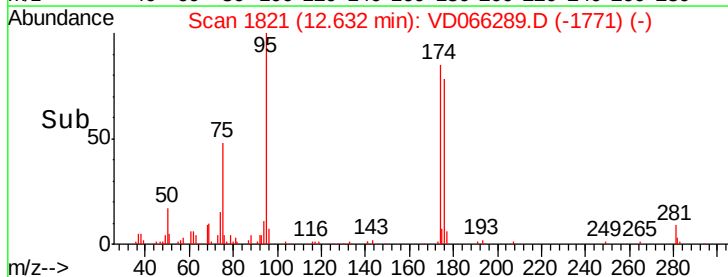
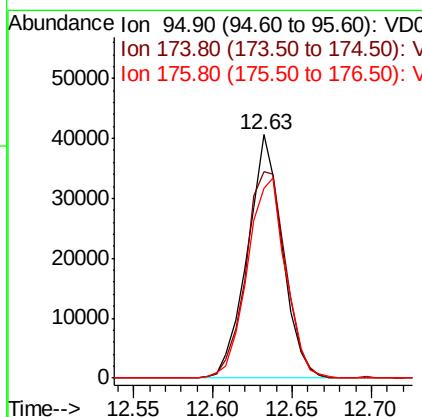
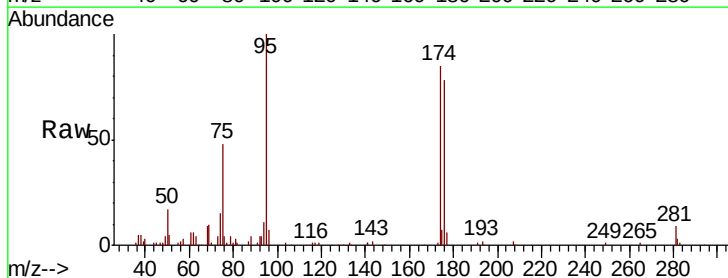
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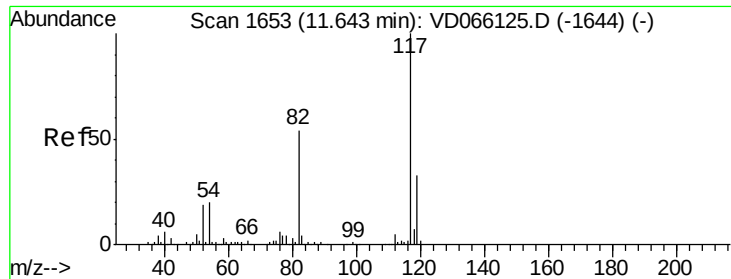
Tot Ion: 63 Resp: 741
 Ion Ratio Lower Upper
 63 100
 106 7.3 25.3 37.9#



#62
 4-Bromofluorobenzene
 Concen: 28.324 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066289.D
 Acq: 18 Aug 2020 20:20

Tgt Ion: 95 Resp: 61885
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 180.8
 176 90.6 0.0 181.2

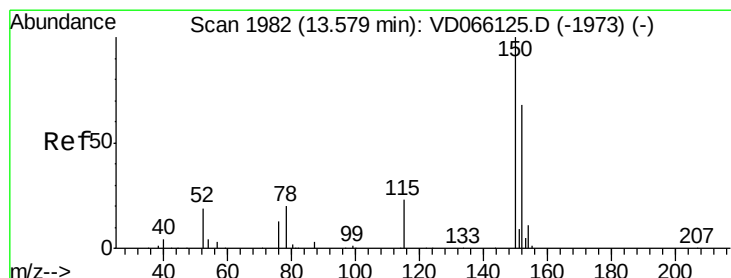
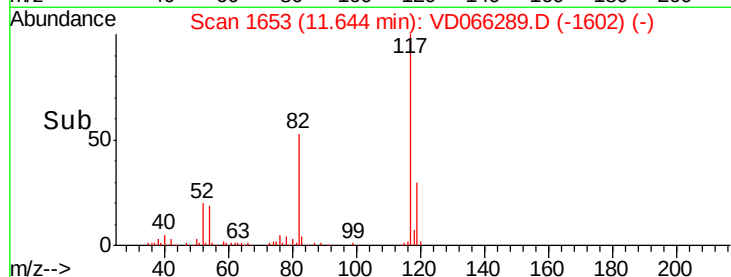
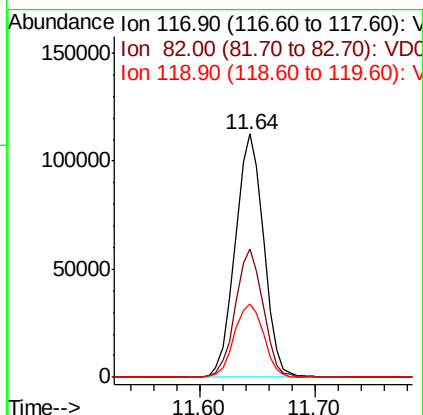
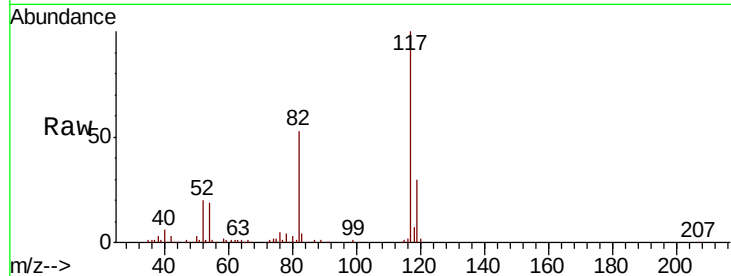




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066289.D
Acq: 18 Aug 2020 20:20

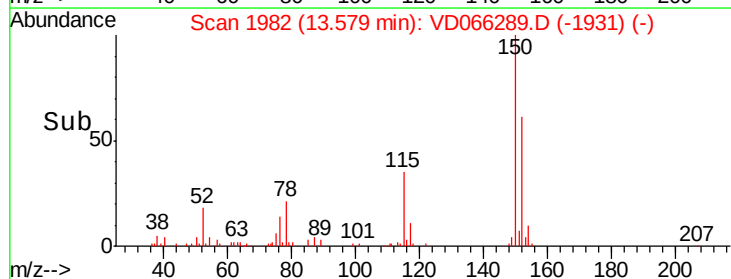
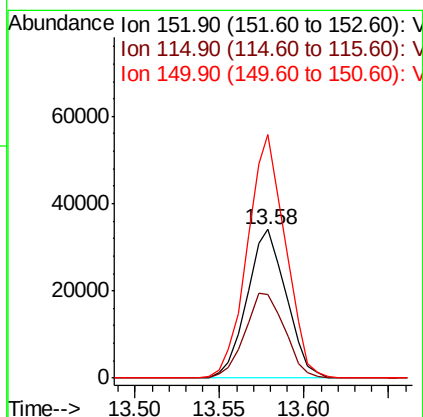
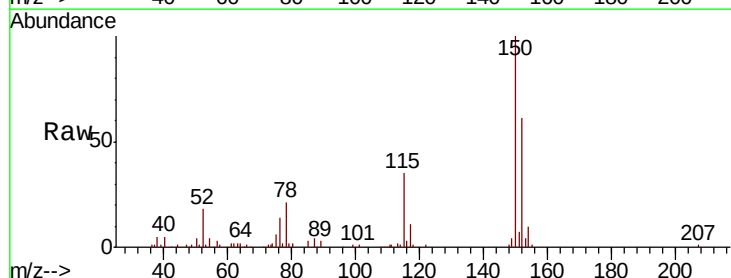
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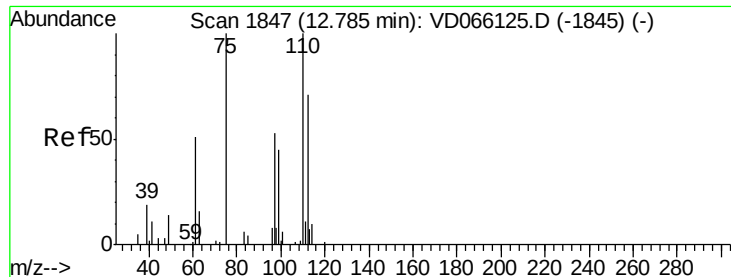
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.4
119	30.2	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066289.D
Acq: 18 Aug 2020 20:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.0	83.9
150	158.8	0.0	346.4

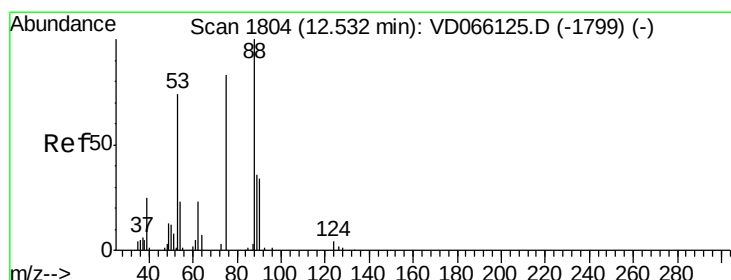
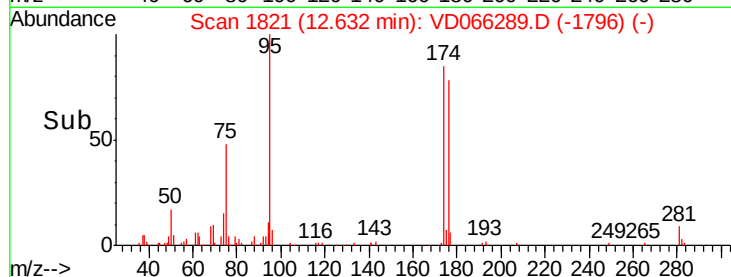
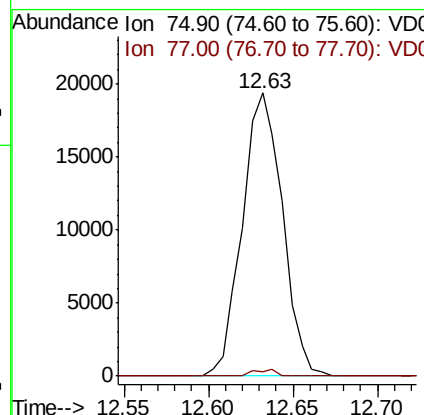
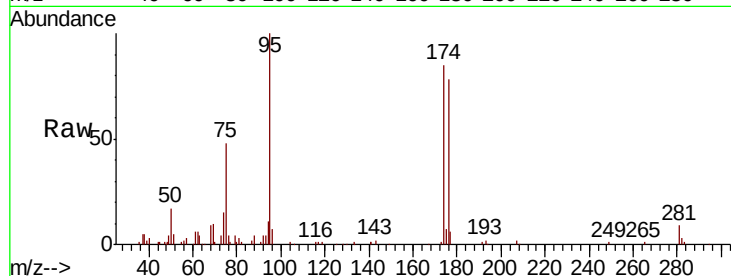




#76
 1,2,3-Trichloropropane
 Concen: 69.744 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066289.D
 Acq: 18 Aug 2020 20:20

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

Tot Ion: 75 Resp: 32035
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.174 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066289.D
 Acq: 18 Aug 2020 20:20

Tgt Ion: 75 Resp: 32035
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.0 36.6 55.0#

