

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066284.D
 Acq On : 18 Aug 2020 18:04
 Operator : VA/SY
 Sample : L3700-02
 Misc : 7.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420

Quant Time: Aug 19 06:42:15 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

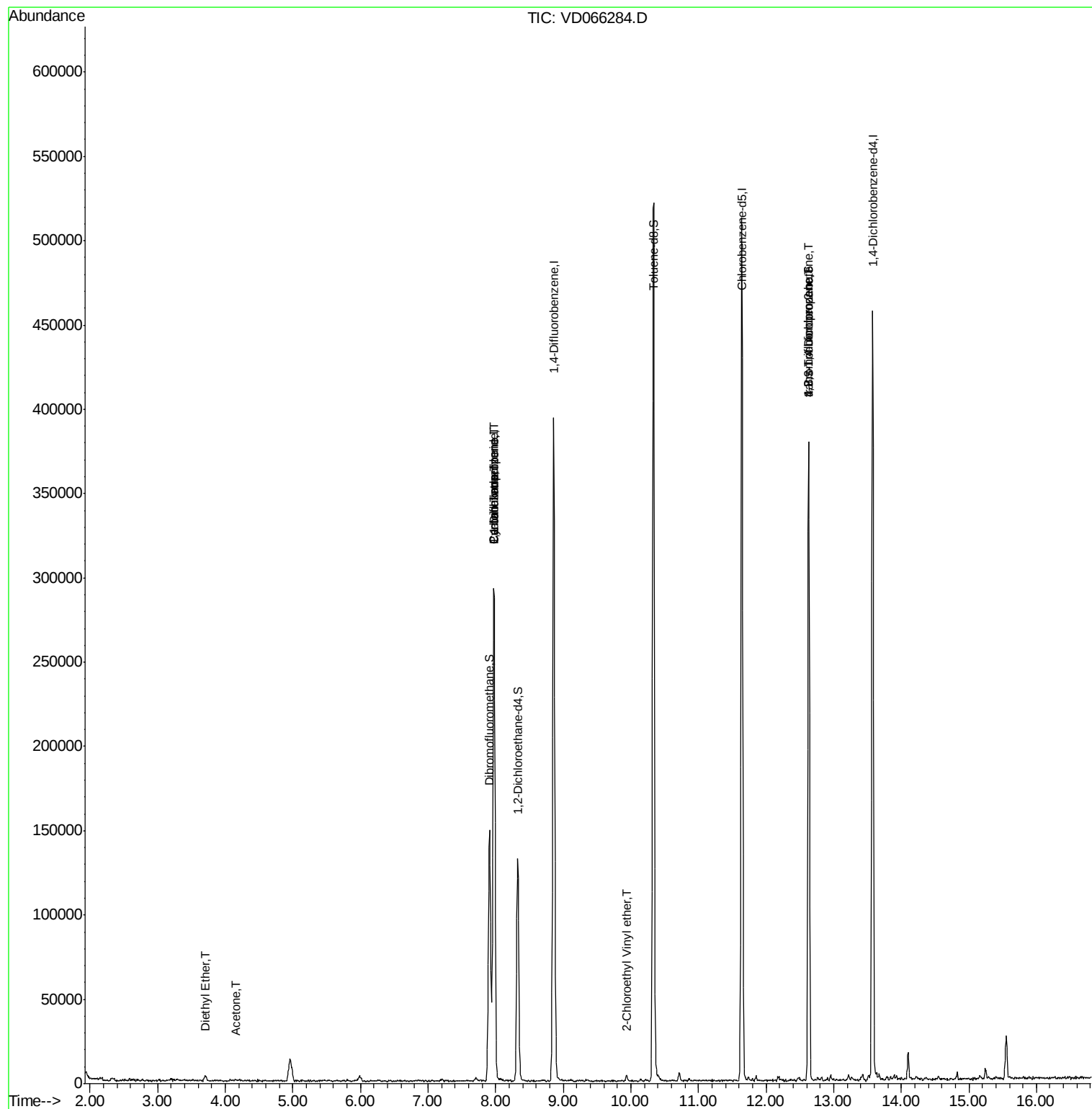
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	227939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	345409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	305599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	109340	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.54%	
35) Dibromofluoromethane	7.91	113	108238	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.94%	
50) Toluene-d8	10.33	98	357395	44.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.52%	
62) 4-Bromofluorobenzene	12.63	95	113707	39.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.14%	
Target Compounds						
8) Diethyl Ether	3.70	74	1539	1.513	ug/l	92
11) Tert butyl alcohol	5.29	59	54	Below Cal	#	76
16) Acetone	4.16	43	676	1.752	ug/l #	44
20) Methylene Chloride	4.96	84	9880	Below Cal		90
31) Cyclohexane	7.98	56	4861	1.364	ug/l #	28
36) 1,1-Dichloropropene	7.97	75	15228	4.692	ug/l #	52
38) Carbon Tetrachloride	7.97	117	21342	5.896	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.94	63	1572	1.666	ug/l	90
76) 1,2,3-Trichloropropane	12.63	75	58774	53.685	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	58774	118.674	ug/l #	13

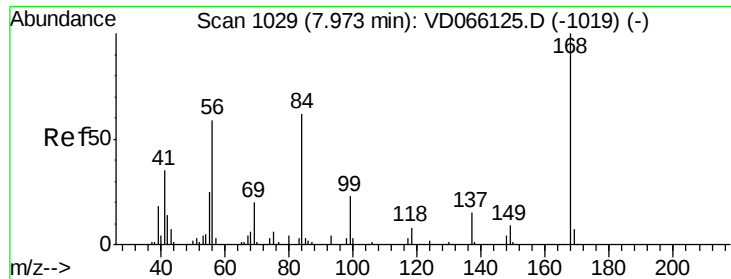
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066284.D

Acq: 18 Aug 2020 18:04

Instrument :

MSVOA_D

ClientSampleId :

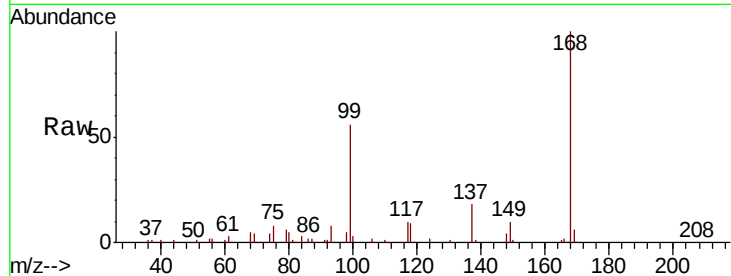
S406-K-SO-1-1.5-081420

Tot Ion:168 Resp: 227939

Ion Ratio Lower Upper

168 100

99 55.7 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

100000

80000

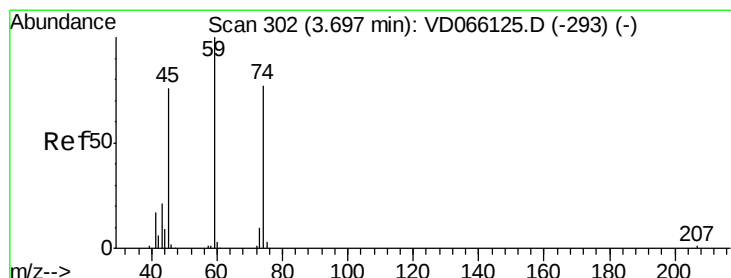
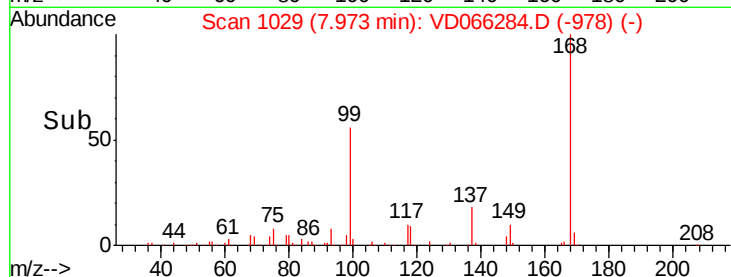
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.513 ug/l

RT: 3.70 min Scan# 302

Delta R.T. 0.00 min

Lab File: VD066284.D

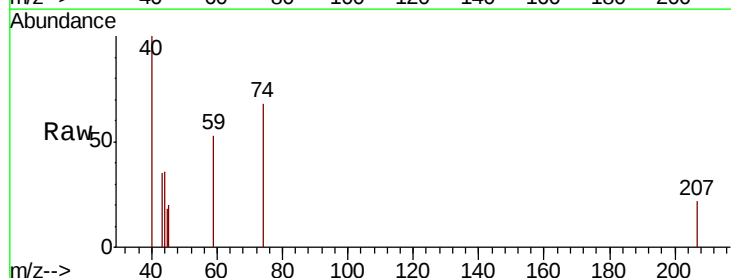
Acq: 18 Aug 2020 18:04

Tgt Ion: 74 Resp: 1539

Ion Ratio Lower Upper

74 100

45 88.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

800

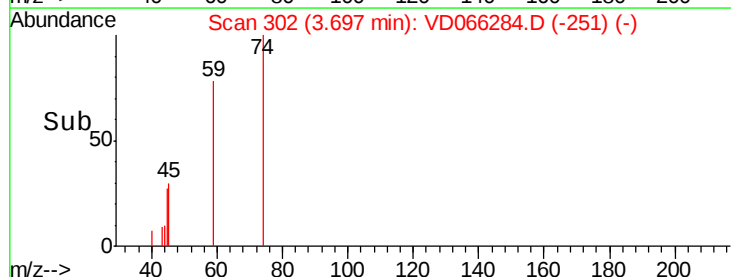
600

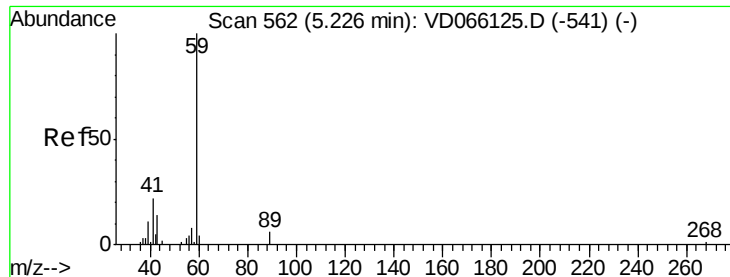
400

200

0

Time-->



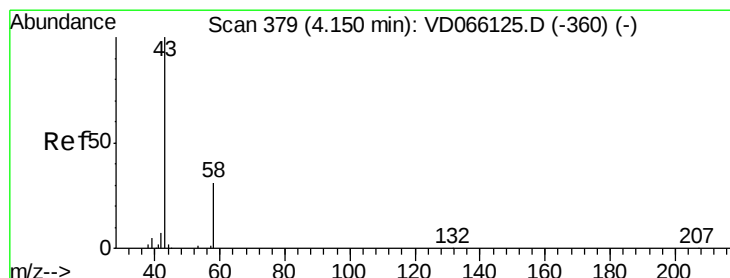
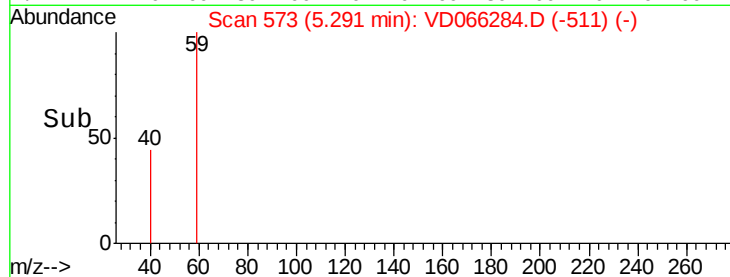
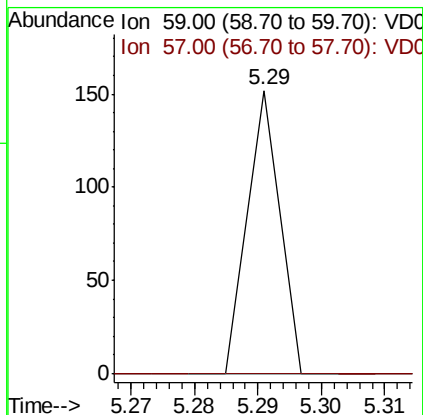
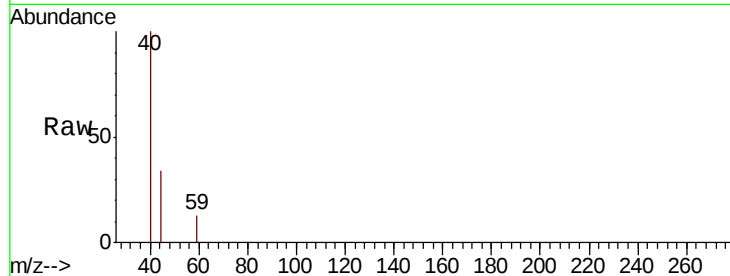


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.29 min Scan# 573
 Delta R.T. 0.06 min
 Lab File: VD066284.D
 Acq: 18 Aug 2020 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420

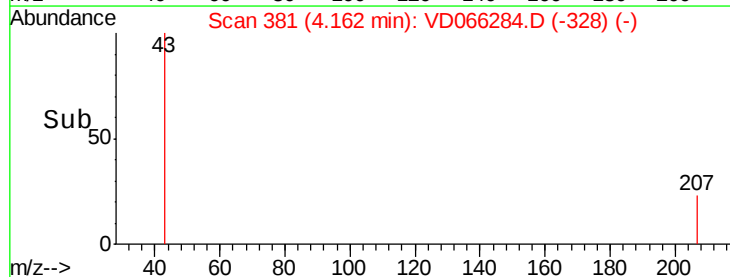
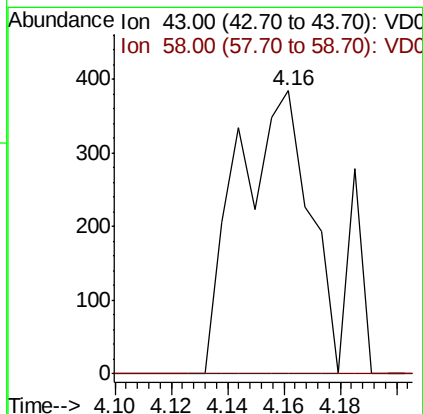
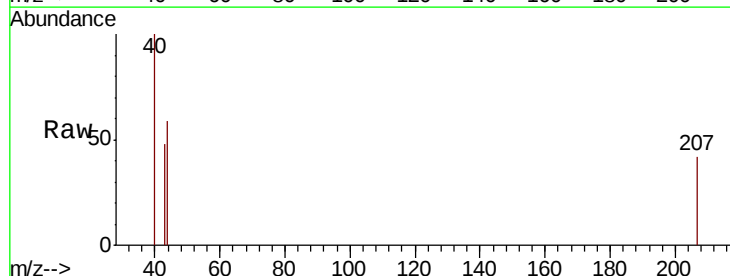
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

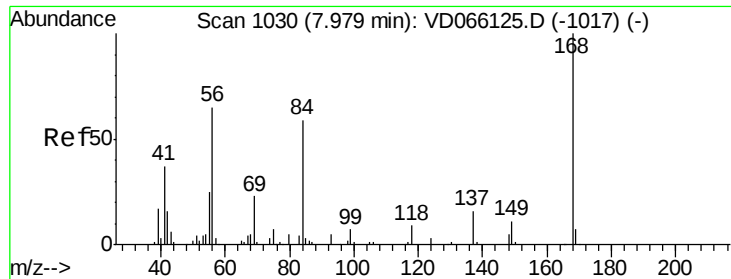


#16

Acetone
 Concen: 1.752 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066284.D
 Acq: 18 Aug 2020 18:04

Tgt Ion: 43 Resp: 676
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.7 37.1#

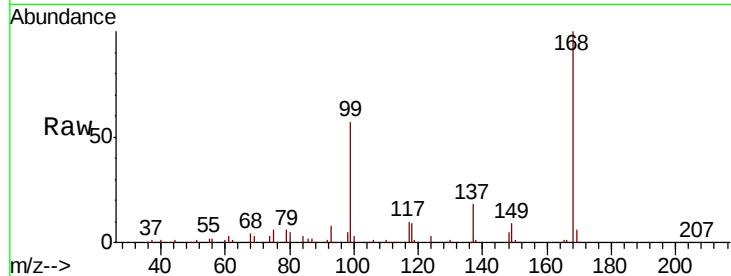




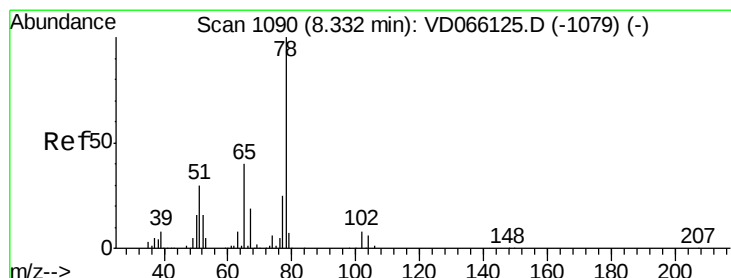
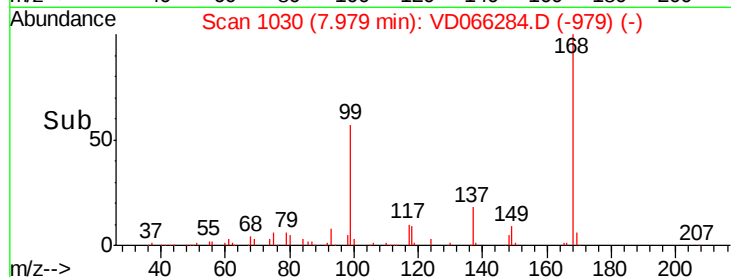
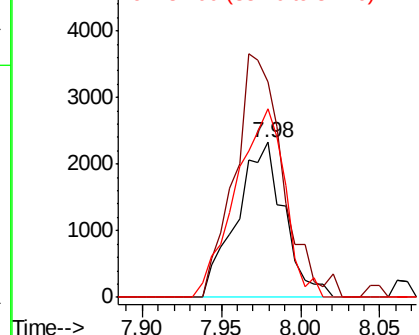
#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066284.D
Acq: 18 Aug 2020 18:04

Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420

Tot Ion: 56 Resp: 4861
Ion Ratio Lower Upper
56 100
69 139.0 28.8 43.2#
84 121.3 73.0 109.6#

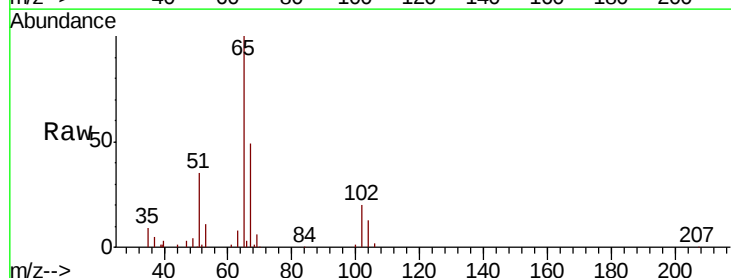


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

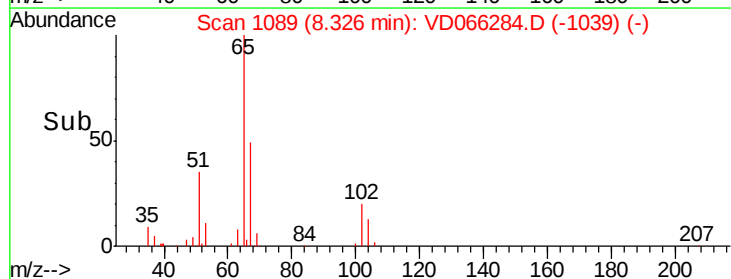
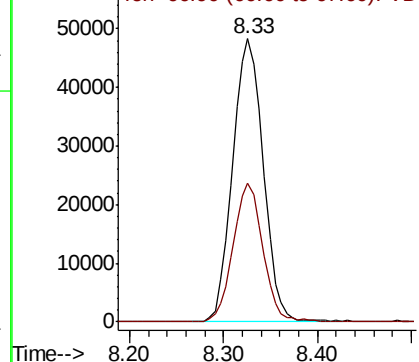


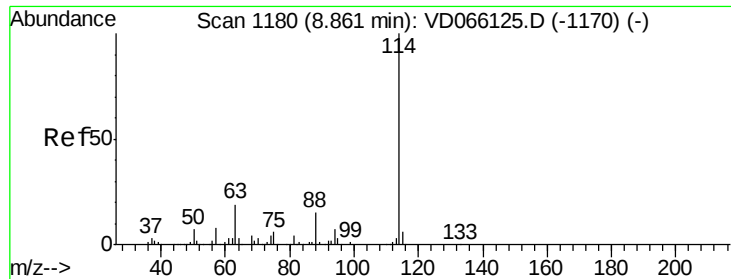
#33
1,2-Dichloroethane-d4
Concen: 53.768 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066284.D
Acq: 18 Aug 2020 18:04

Tgt Ion: 65 Resp: 109340
Ion Ratio Lower Upper
65 100
67 47.7 0.0 104.6



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

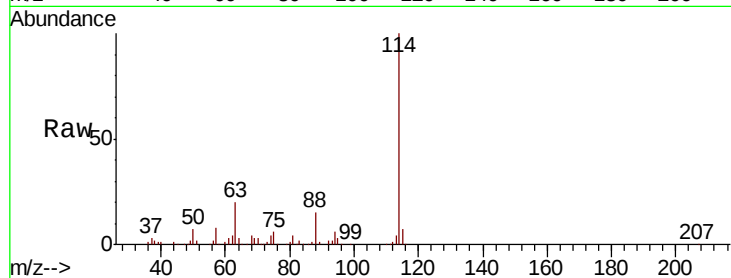




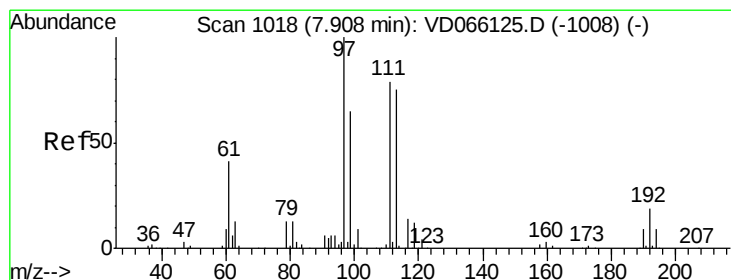
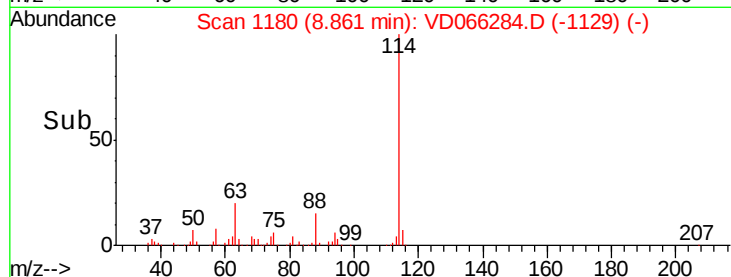
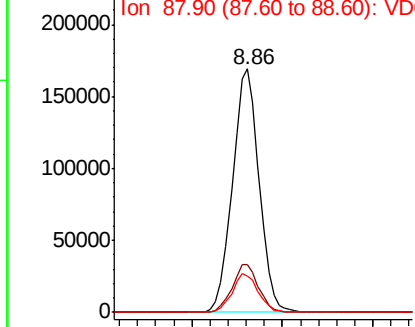
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066284.D
 Acq: 18 Aug 2020 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.6
88	14.8	0.0	30.0

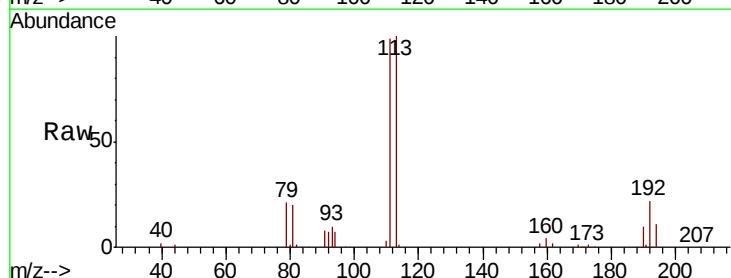


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

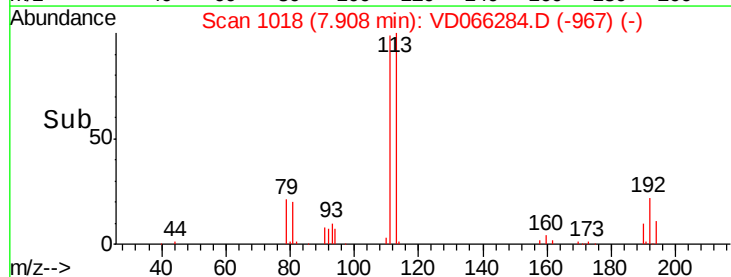
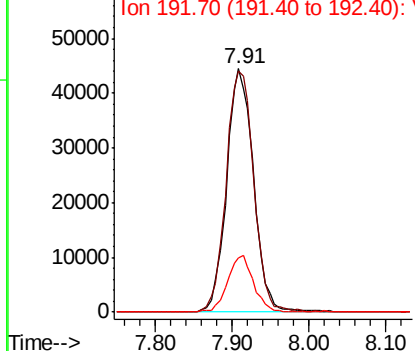


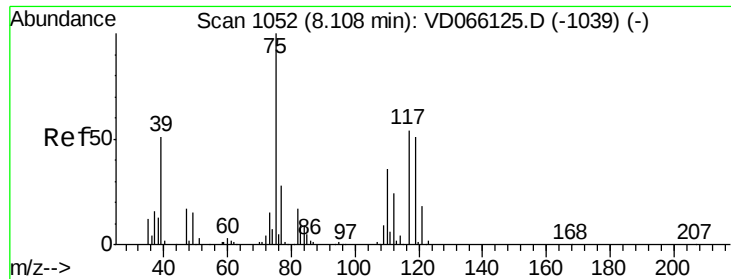
#35
 Dibromofluoromethane
 Concen: 49.466 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066284.D
 Acq: 18 Aug 2020 18:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.7	121.1
192	22.1	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





#36

1,1-Dichloropropene

Concen: 4.692 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066284.D

Acq: 18 Aug 2020 18:04

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420

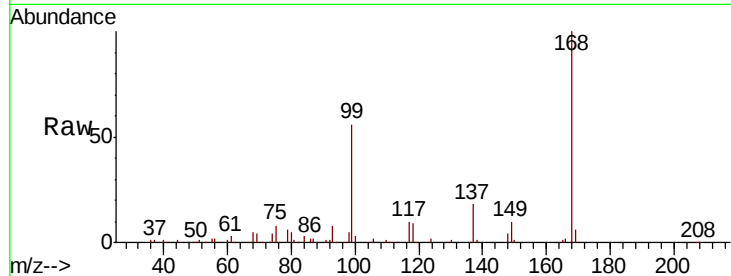
Tot Ion: 75 Resp: 15228

Ion Ratio Lower Upper

75 100

110 12.7 18.8 56.3#

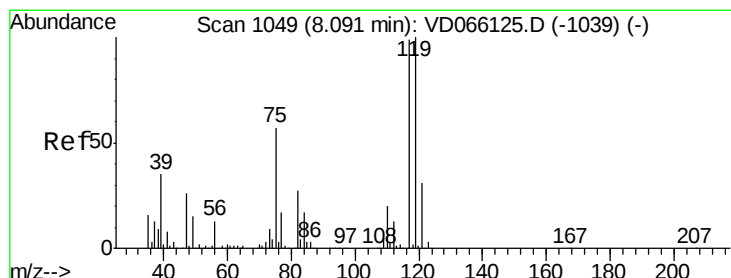
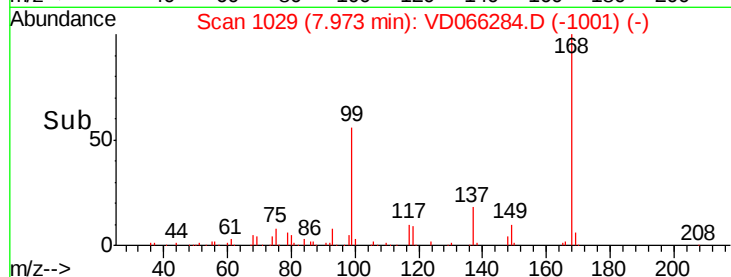
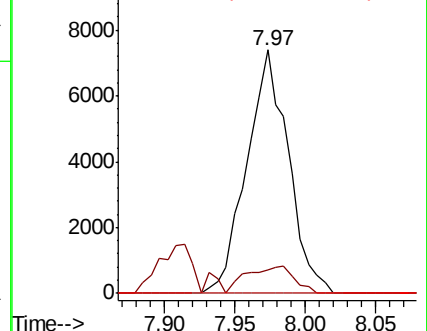
77 0.0 24.2 36.2#



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: 5.896 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066284.D

Acq: 18 Aug 2020 18:04

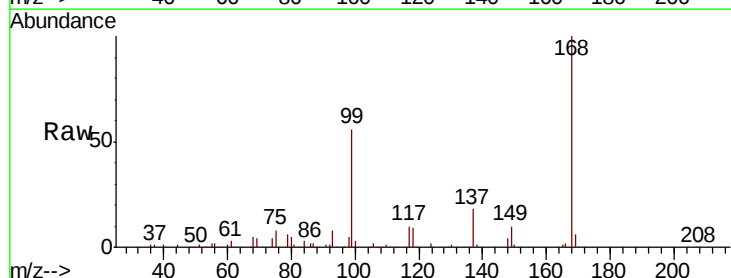
Tgt Ion: 117 Resp: 21342

Ion Ratio Lower Upper

117 100

119 4.6 81.0 121.4#

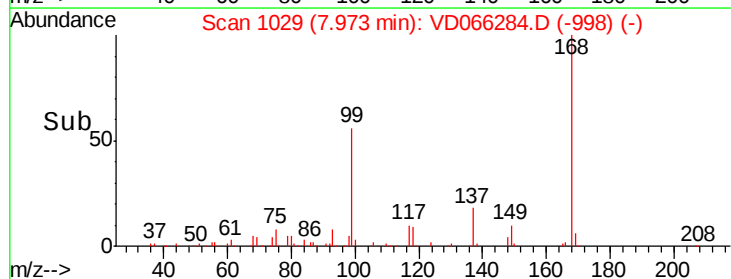
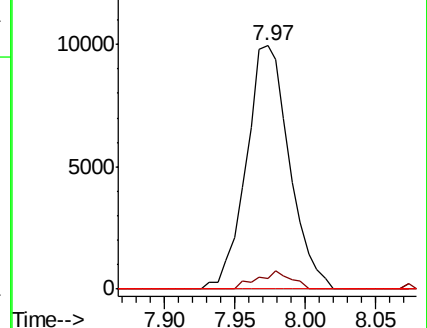
121 0.0 24.8 37.2#

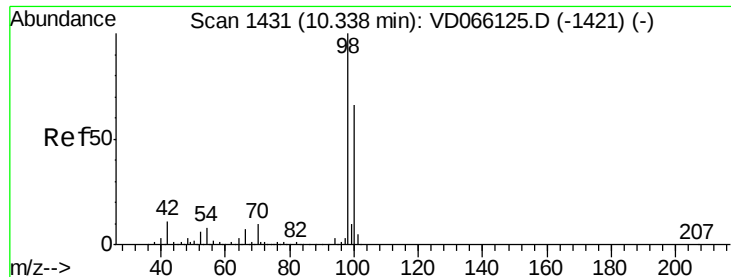


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 44.261 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066284.D

Acq: 18 Aug 2020 18:04

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ClientSampleId :

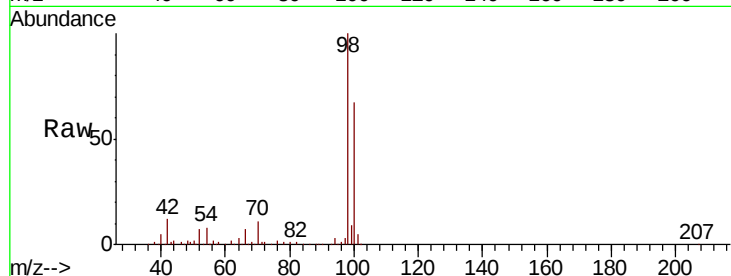
S406-K-SO-1-1.5-081420

Tot Ion: 98 Resp: 357395

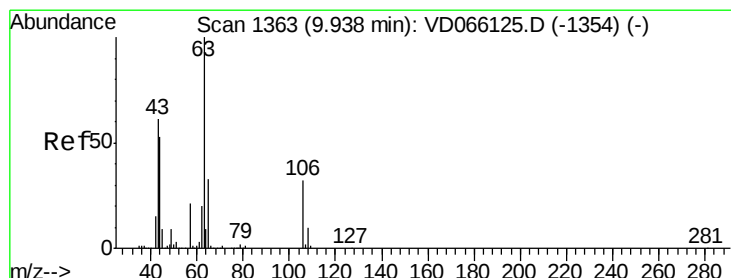
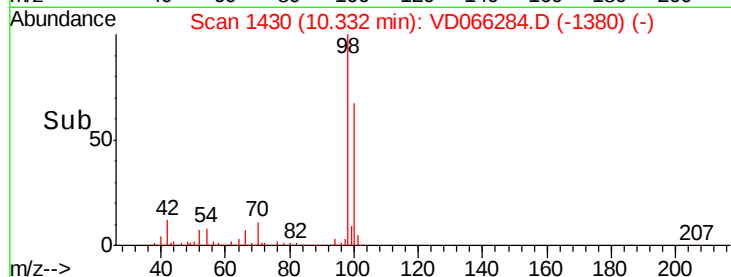
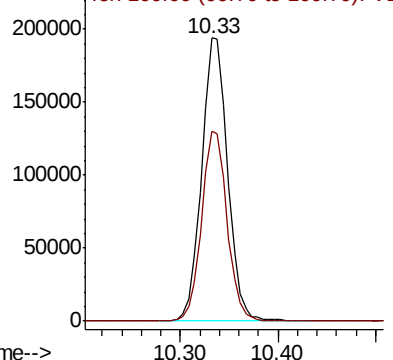
Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VD066125.D (-1421) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 1.666 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066284.D

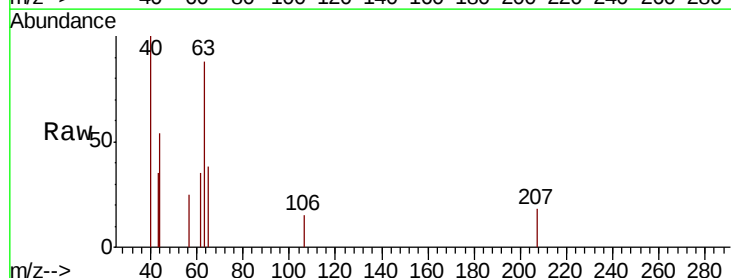
Acq: 18 Aug 2020 18:04

Tgt Ion: 63 Resp: 1572

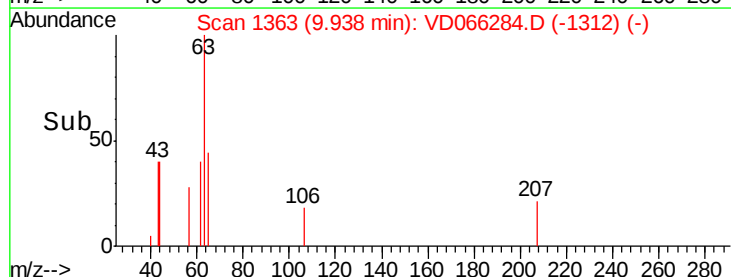
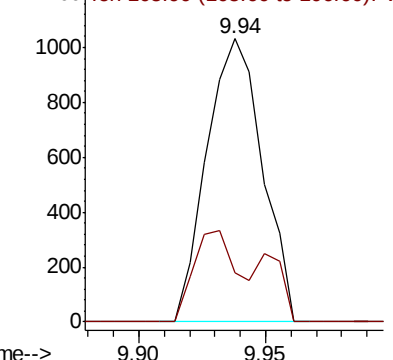
Ion Ratio Lower Upper

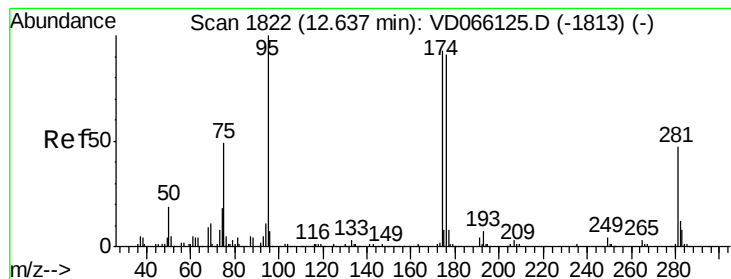
63 100

106 25.8 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VD066125.D (-1354) (-)





#62

4-Bromofluorobenzene

Concen: 39.066 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066284.D

Acq: 18 Aug 2020 18:04

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420

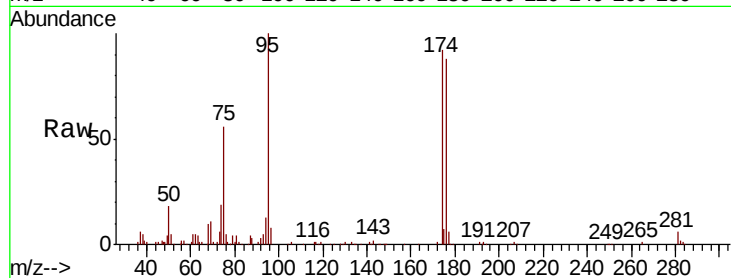
Tot Ion: 95 Resp: 113707

Ion Ratio Lower Upper

95 100

174 92.7 0.0 180.8

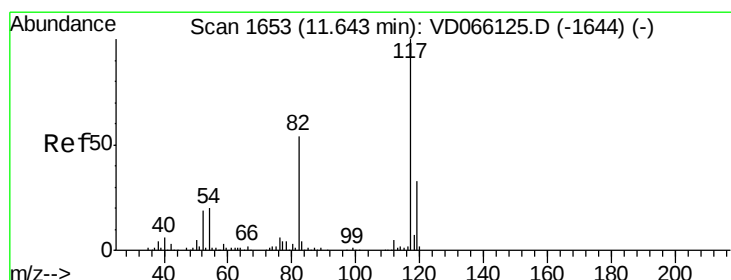
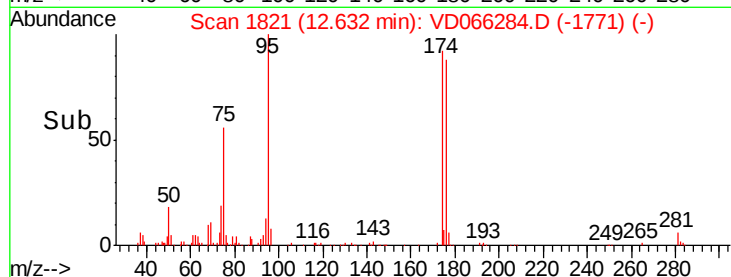
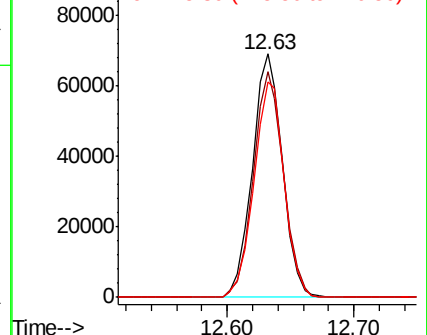
176 89.2 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD066284.D

Acq: 18 Aug 2020 18:04

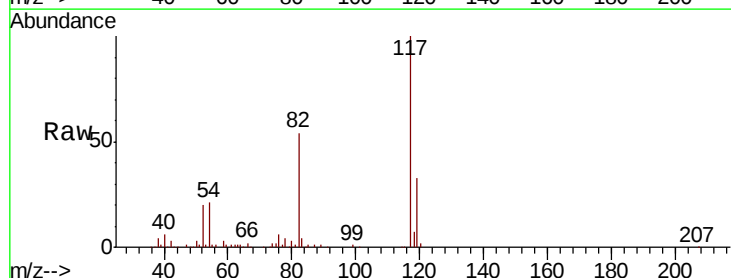
Tgt Ion: 117 Resp: 305599

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.4

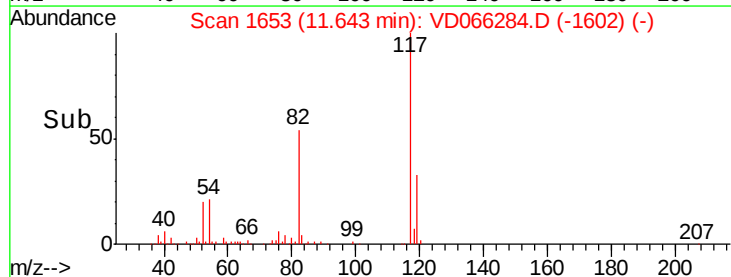
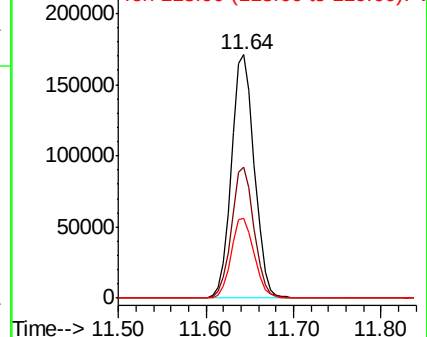
119 32.7 26.1 39.1

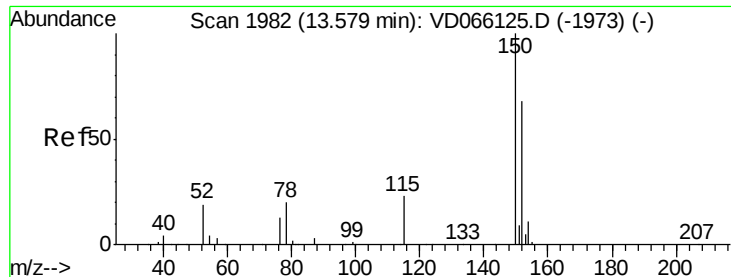


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066284.D

Acq: 18 Aug 2020 18:04

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420

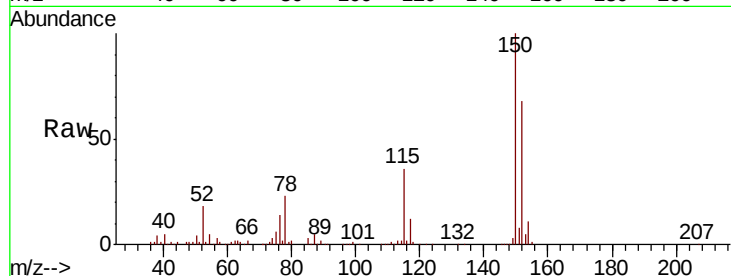
Tot Ion:152 Resp: 131281

Ion Ratio Lower Upper

152 100

115 54.1 28.0 83.9

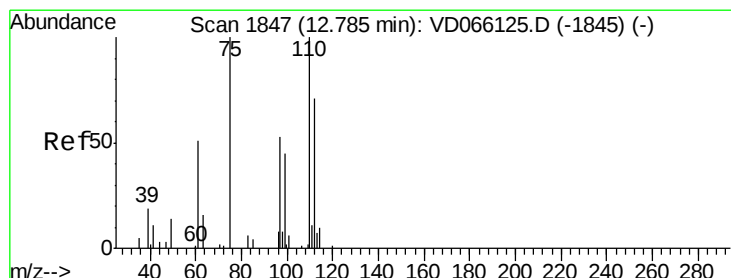
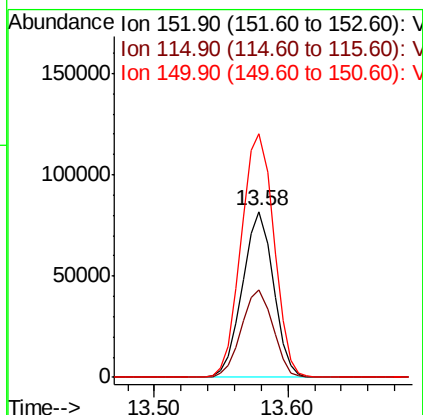
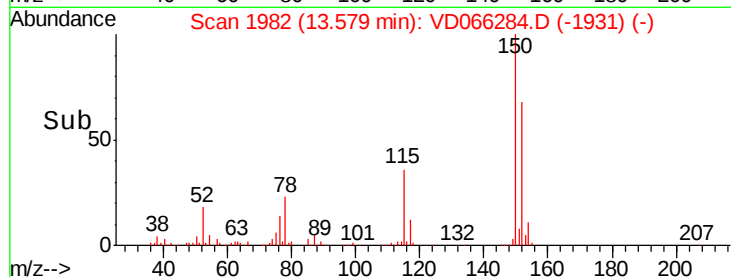
150 155.7 0.0 346.4



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: 53.685 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066284.D

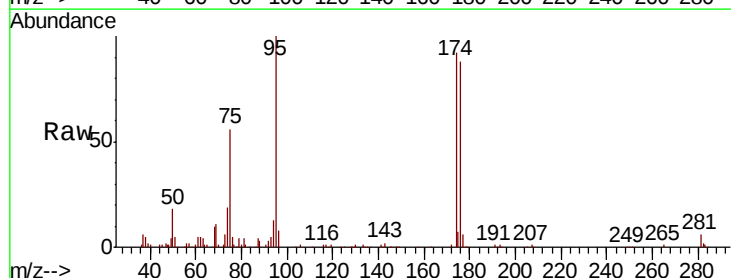
Acq: 18 Aug 2020 18:04

Tgt Ion: 75 Resp: 58774

Ion Ratio Lower Upper

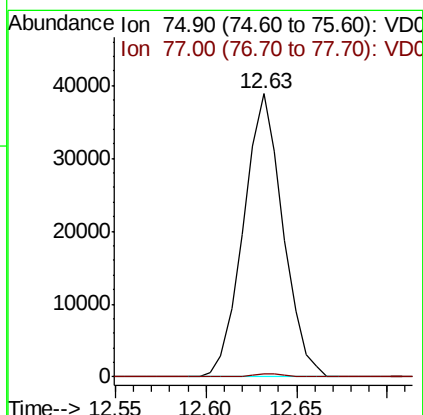
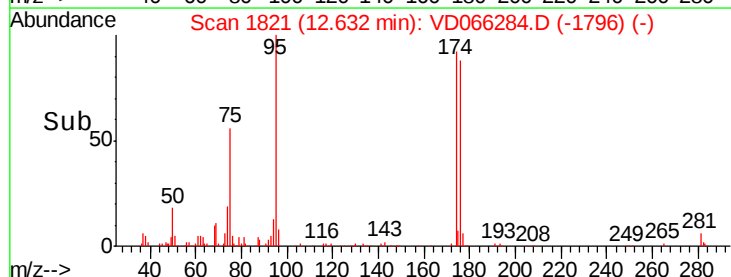
75 100

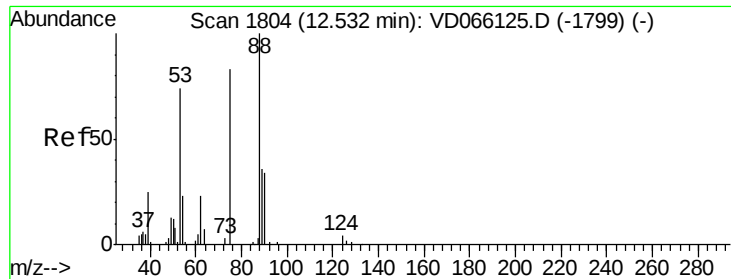
77 0.8 0.0 0.0#



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: 118.674 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066284.D

Acq: 18 Aug 2020 18:04

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420

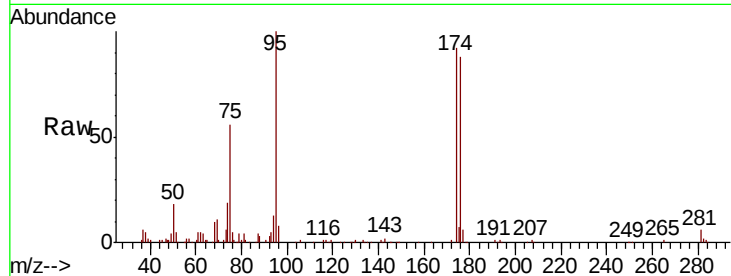
Tot Ion: 75 Resp: 58774

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

