

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066348.D
 Acq On : 20 Aug 2020 06:48
 Operator : VA/SY
 Sample : L3729-02
 Misc : 4.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4-(3-4)

Quant Time: Aug 20 07:25:08 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

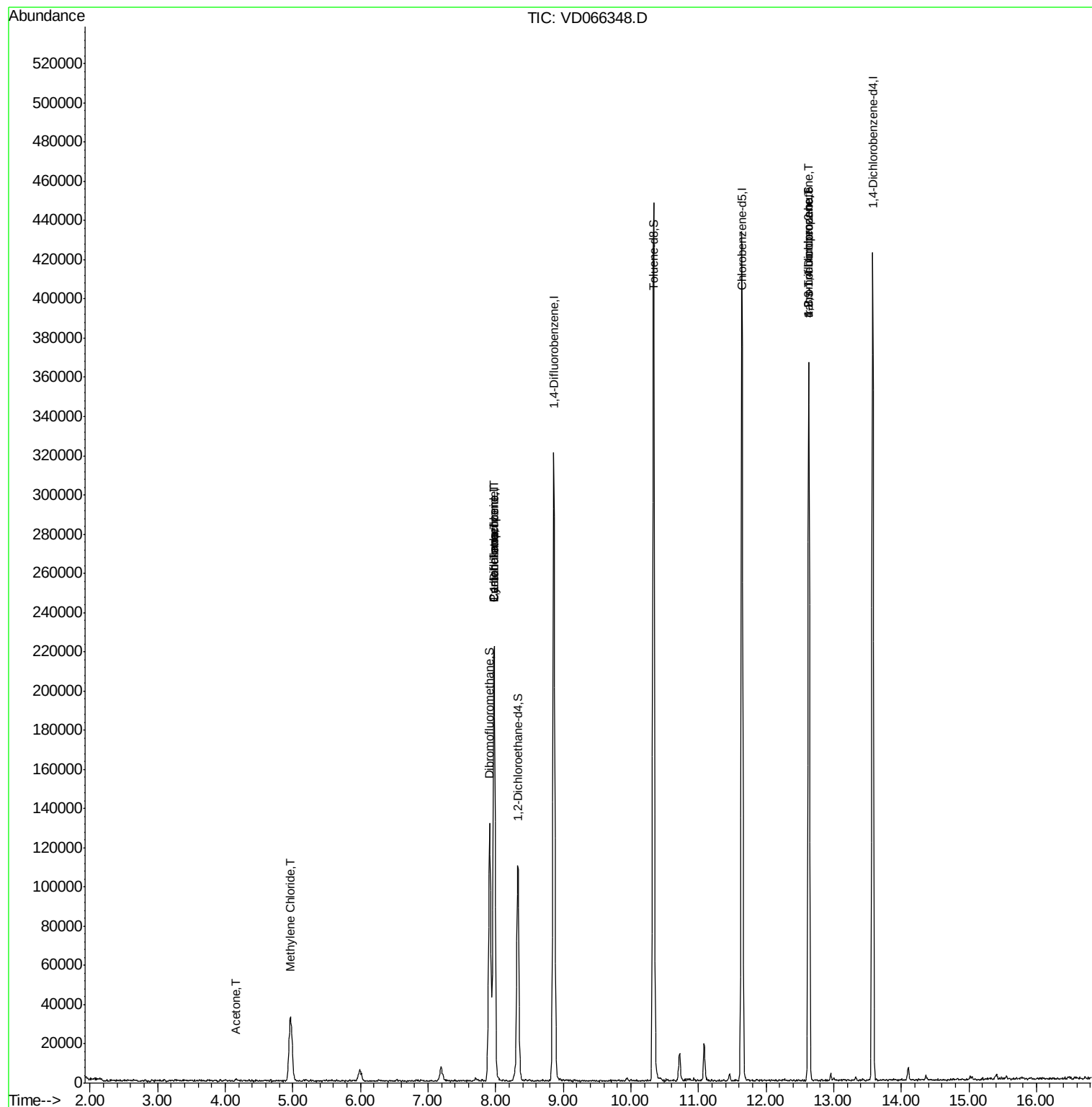
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	168356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	275293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	250173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	112268	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	95099	63.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.64%	
35) Dibromofluoromethane	7.91	113	89120	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
50) Toluene-d8	10.34	98	303156	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.63	95	103997	44.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.66%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.21	59	202	Below Cal	#	76
16) Acetone	4.16	43	1470	5.158	ug/l #	89
20) Methylene Chloride	4.97	84	28036	13.748	ug/l	89
31) Cyclohexane	7.97	56	3719	1.413	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	11557	4.467	ug/l #	51
38) Carbon Tetrachloride	7.97	117	17008	5.896	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	55022	58.769	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	55022	129.913	ug/l #	13

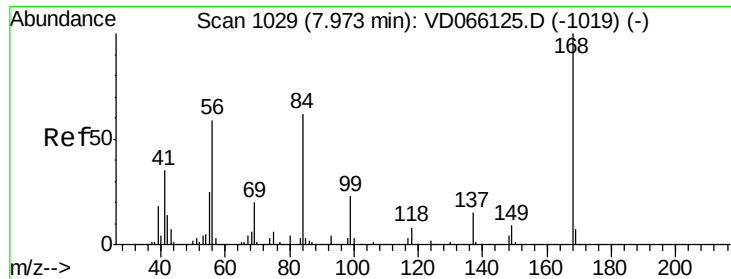
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

Instrument :

MSVOA_D

ClientSampleId :

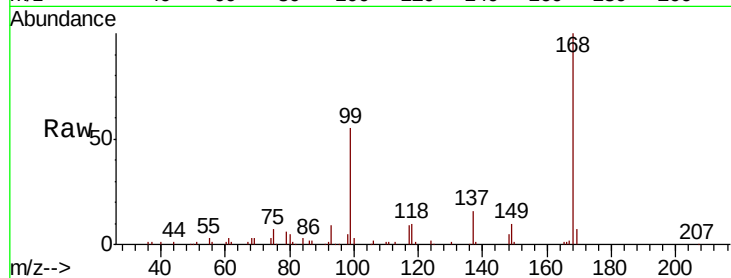
SB-4-(3-4)

Tot Ion:168 Resp: 168356

Ion Ratio Lower Upper

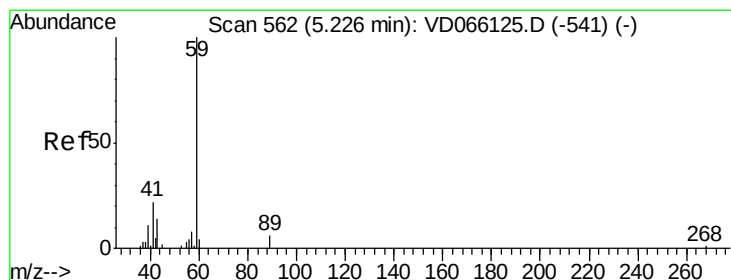
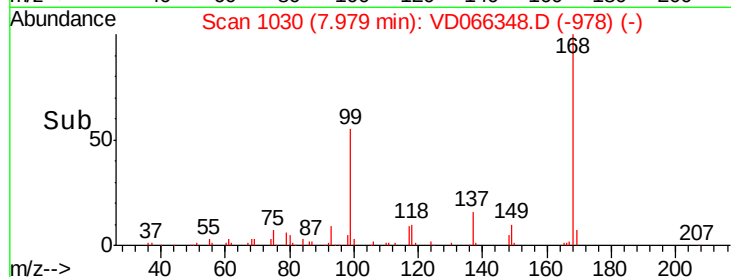
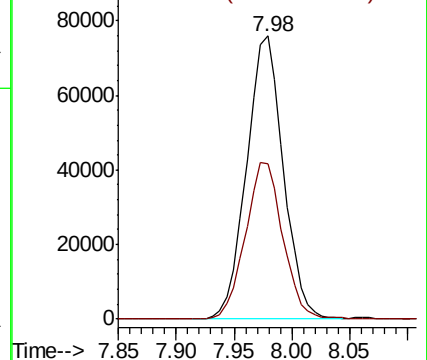
168 100

99 54.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD066348.D

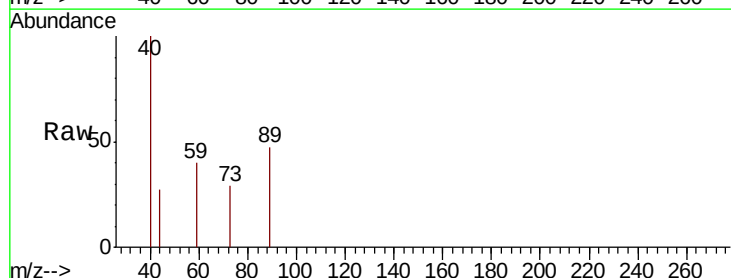
Acq: 20 Aug 2020 06:48

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

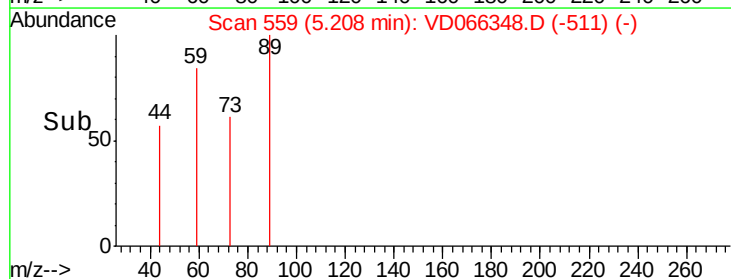
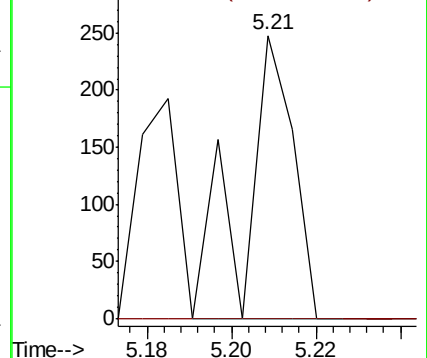
59 100

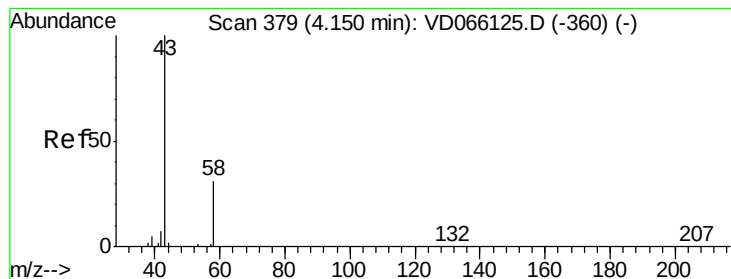
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 5.158 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

Instrument :

MSVOA_D

ClientSampleId :

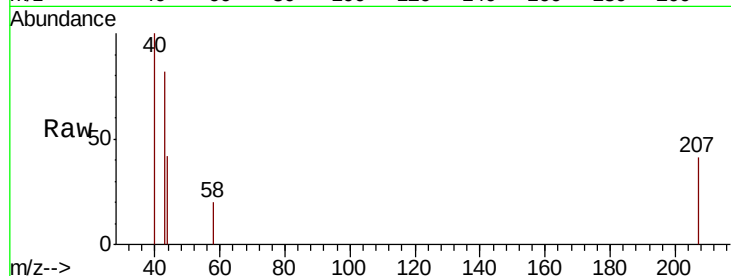
SB-4-(3-4)

Tot Ion: 43 Resp: 1470

Ion Ratio Lower Upper

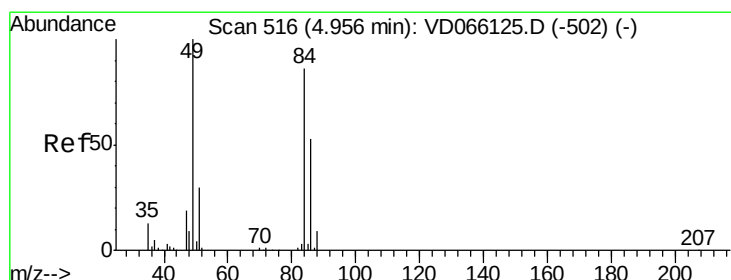
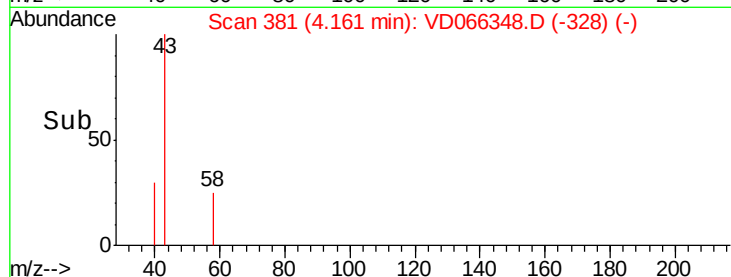
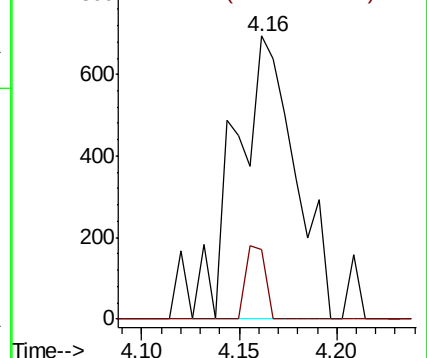
43 100

58 24.6 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: 13.748 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

Tgt Ion: 84 Resp: 28036

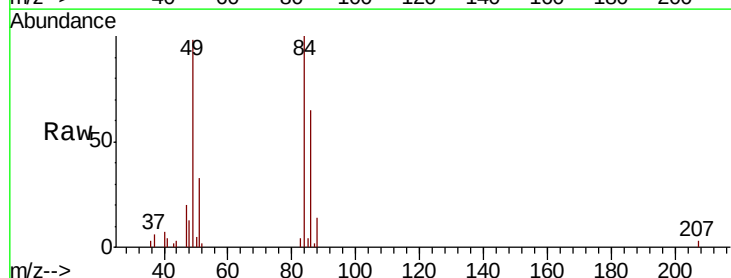
Ion Ratio Lower Upper

84 100

49 98.1 93.5 140.3

51 33.3 28.2 42.4

86 64.7 49.5 74.3

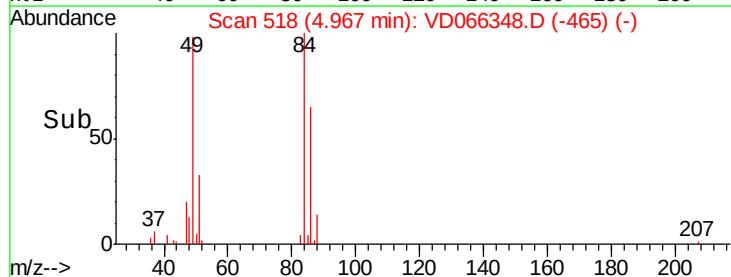
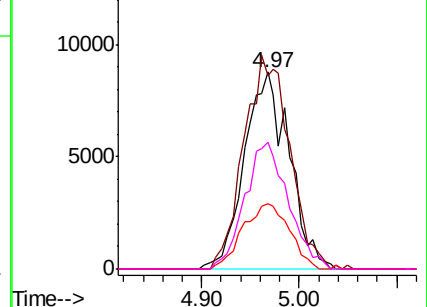


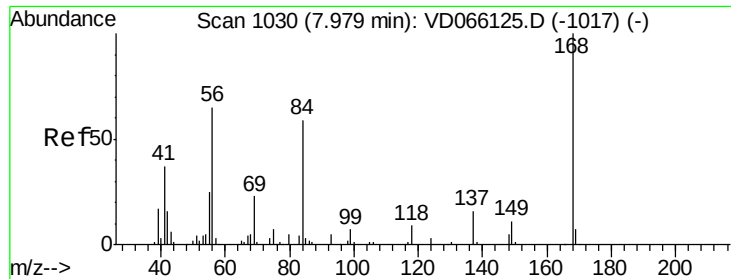
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

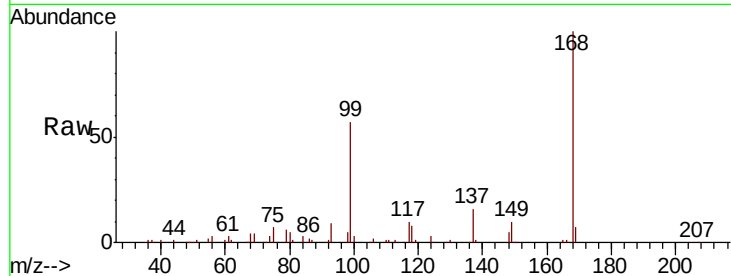




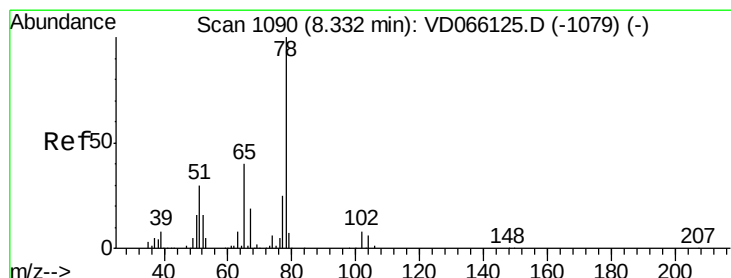
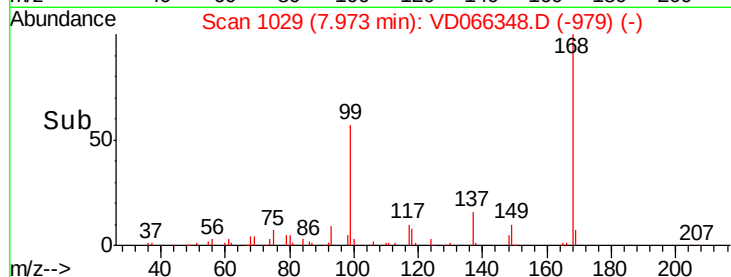
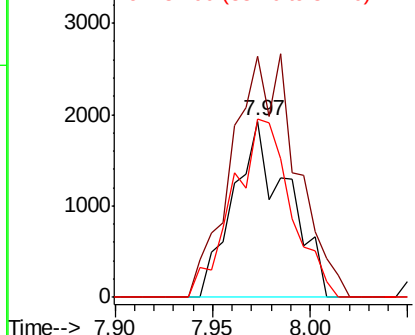
#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066348.D
Acq: 20 Aug 2020 06:48

Instrument :
MSVOA_D
ClientSampleId :
SB-4-(3-4)

Tot Ion: 56 Resp: 3719
Ion Ratio Lower Upper
56 100
69 136.5 28.8 43.2#
84 101.4 73.0 109.6

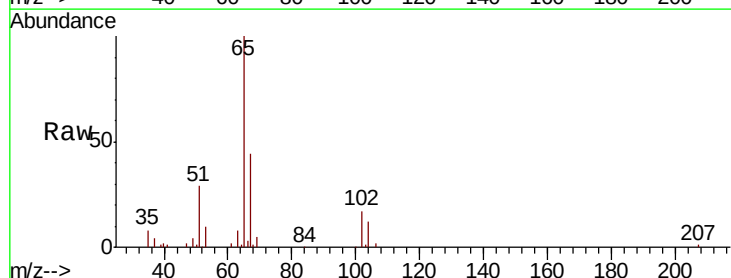


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

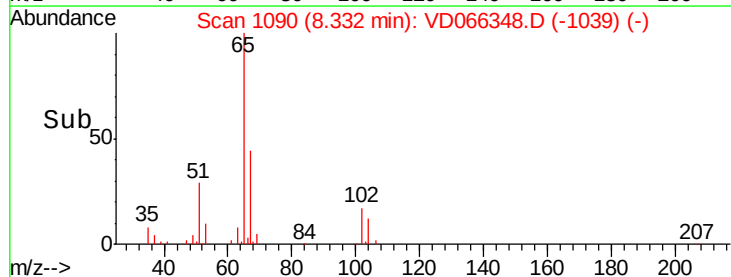
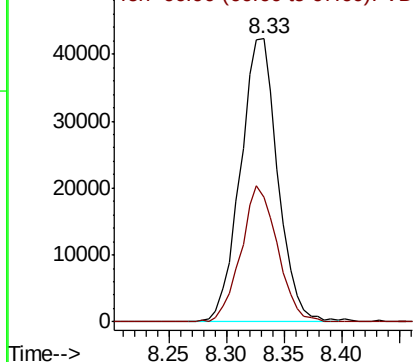


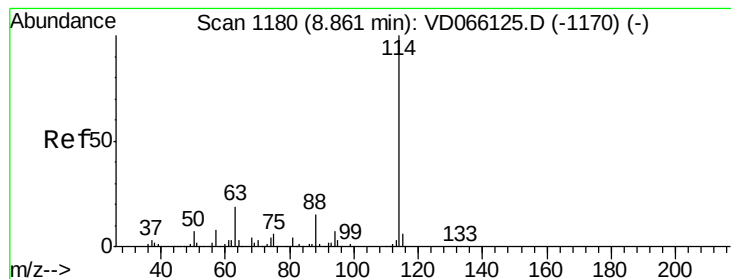
#33
1,2-Dichloroethane-d4
Concen: 63.315 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066348.D
Acq: 20 Aug 2020 06:48

Tgt Ion: 65 Resp: 95099
Ion Ratio Lower Upper
65 100
67 46.8 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: VD066348.D

Acq: 20 Aug 2020 06:48

Instrument :

MSVOA_D

ClientSampleId :

SB-4-(3-4)

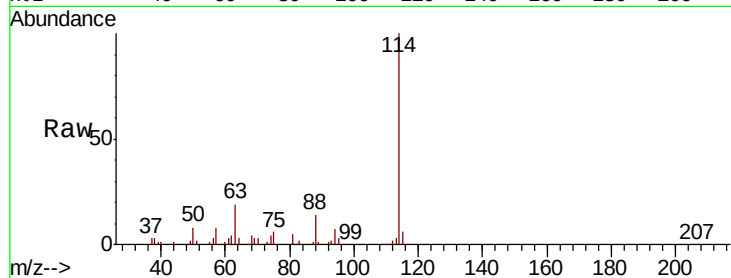
Tot Ion:114 Resp: 275293

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

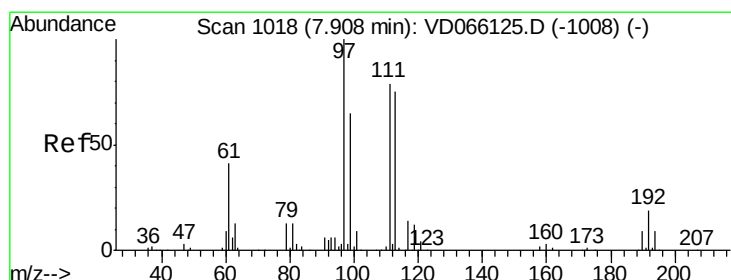
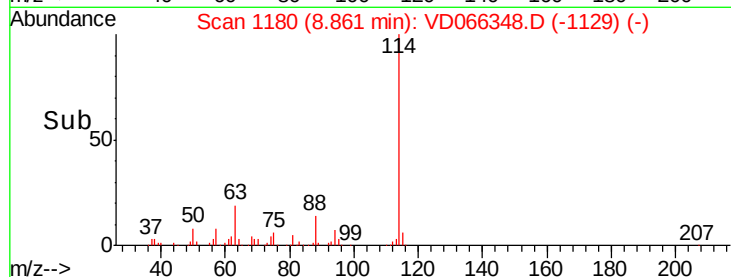
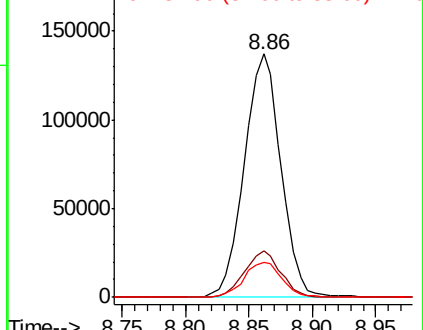
88 14.4 0.0 30.0



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: 51.102 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

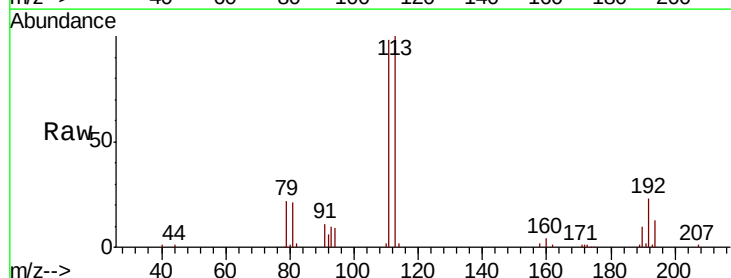
Tgt Ion:113 Resp: 89120

Ion Ratio Lower Upper

113 100

111 105.9 80.7 121.1

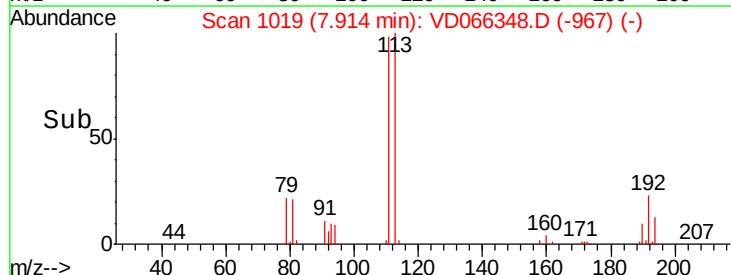
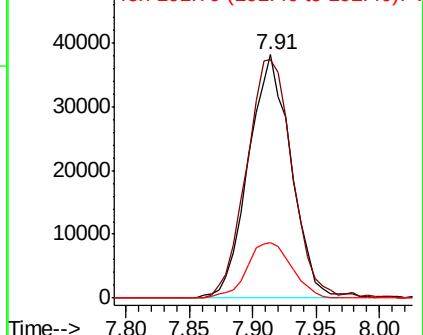
192 24.0 18.4 27.6

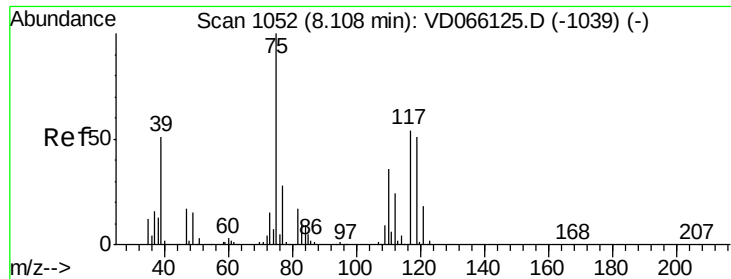


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.467 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

Instrument :

MSVOA_D

ClientSampleId :

SB-4-(3-4)

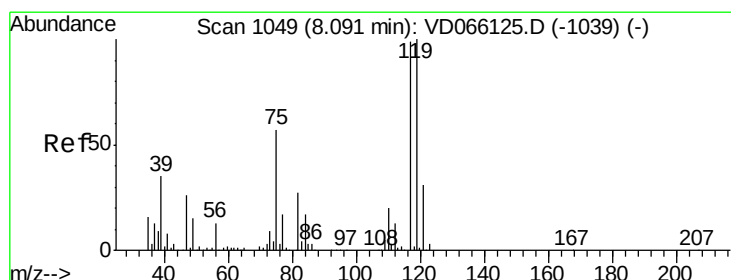
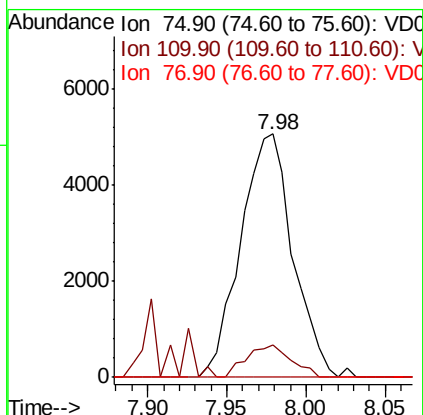
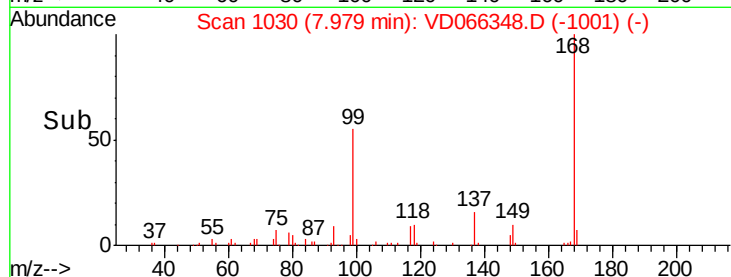
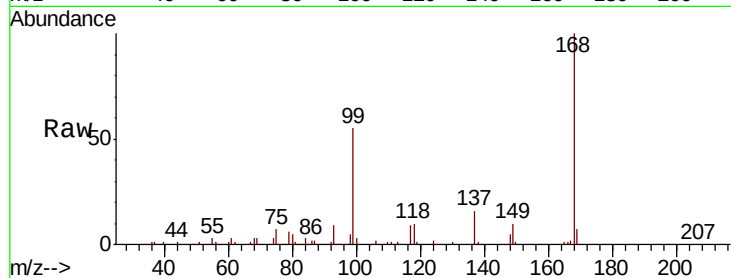
Tot Ion: 75 Resp: 11557

Ion Ratio Lower Upper

75 100

110 11.5 18.8 56.3#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

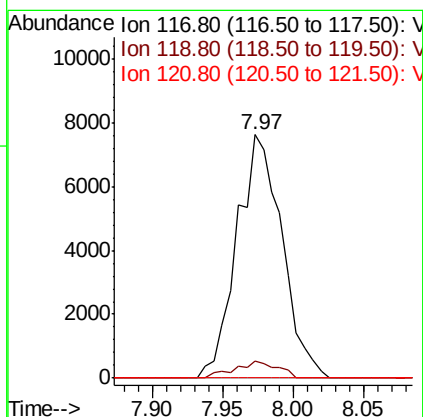
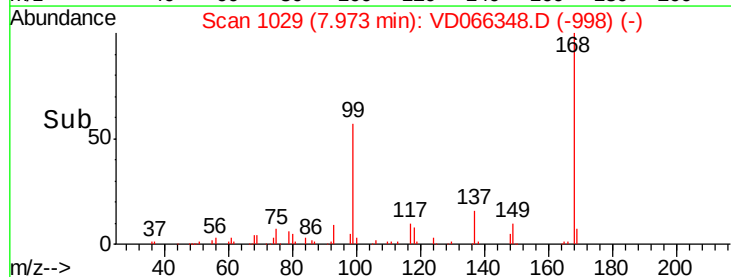
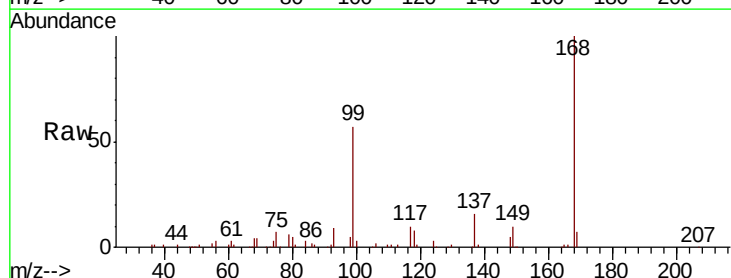
Tgt Ion: 117 Resp: 17008

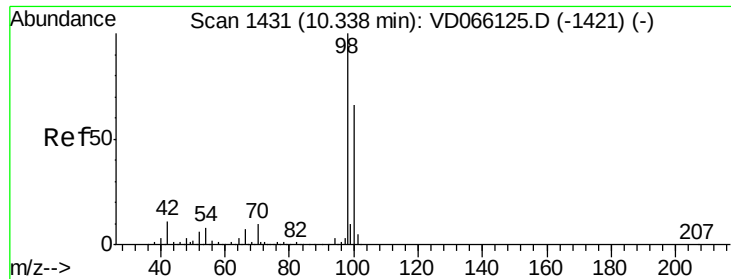
Ion Ratio Lower Upper

117 100

119 6.9 81.0 121.4#

121 0.0 24.8 37.2#

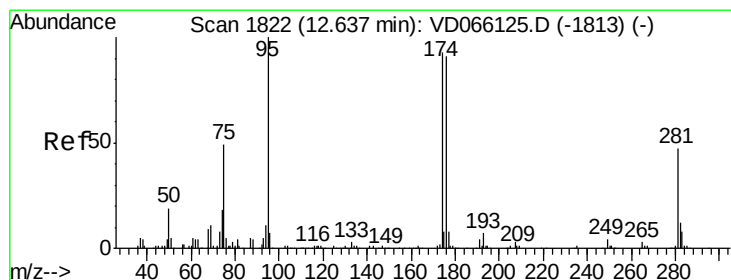
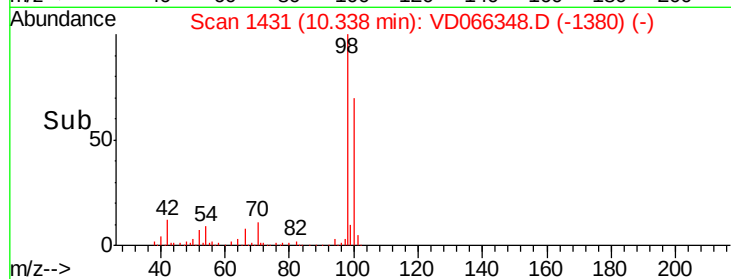
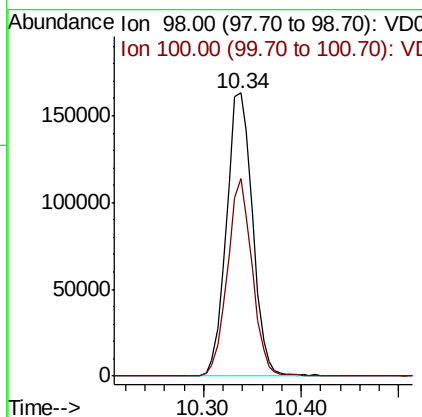
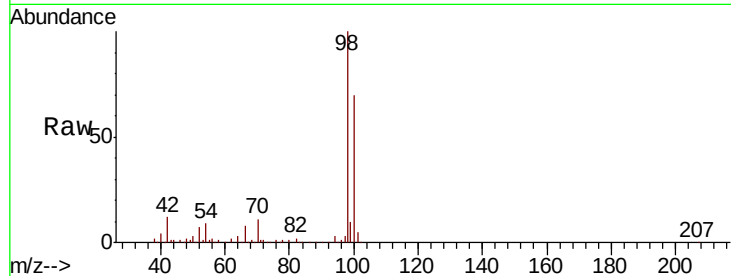




#50
Toluene-d8
Concen: 47.106 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066348.D
Acq: 20 Aug 2020 06:48

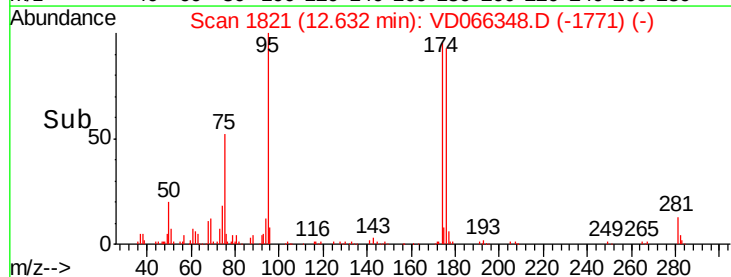
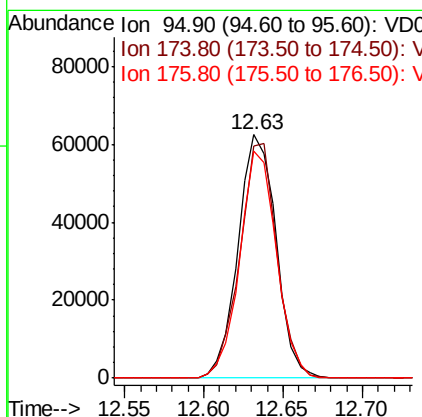
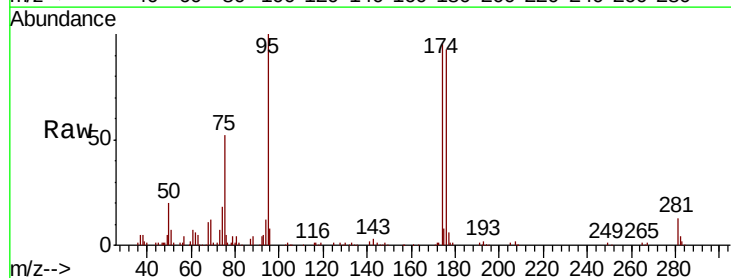
Instrument :
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SB-4-(3-4)

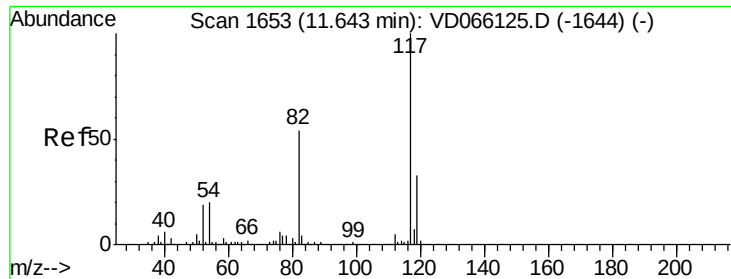
Tot Ion: 98 Resp: 303156
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 44.830 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066348.D
Acq: 20 Aug 2020 06:48

Tgt Ion: 95 Resp: 103997
Ion Ratio Lower Upper
95 100
174 93.9 0.0 180.8
176 90.5 0.0 181.2

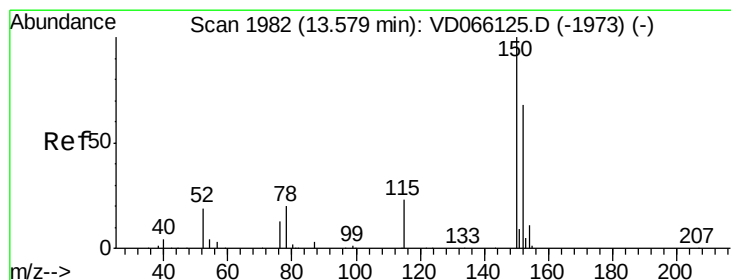
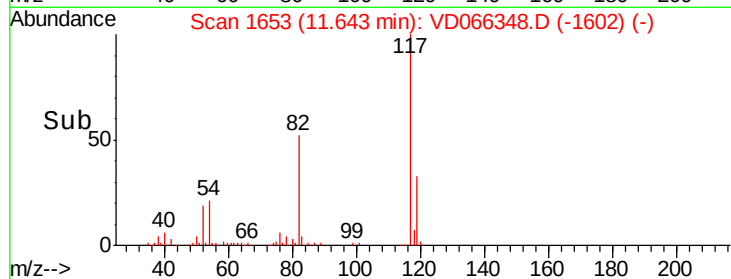
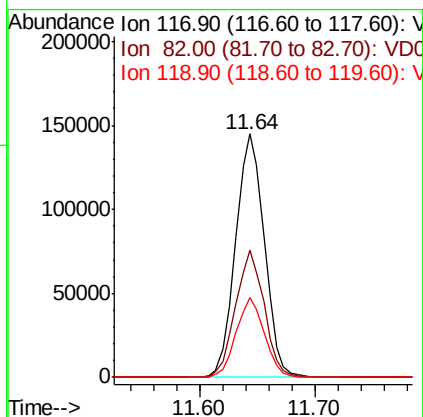
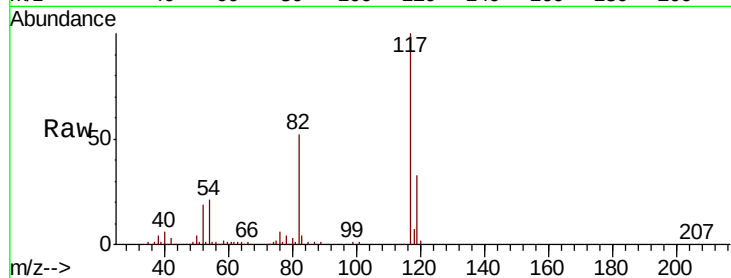




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066348.D
Acq: 20 Aug 2020 06:48

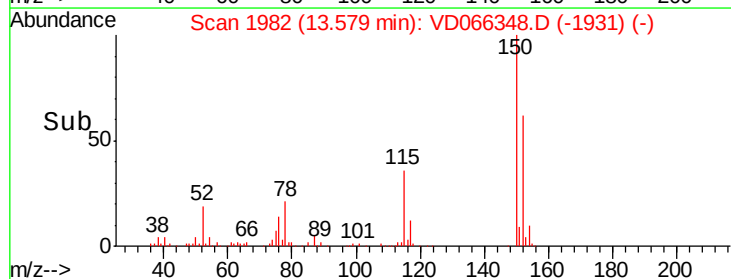
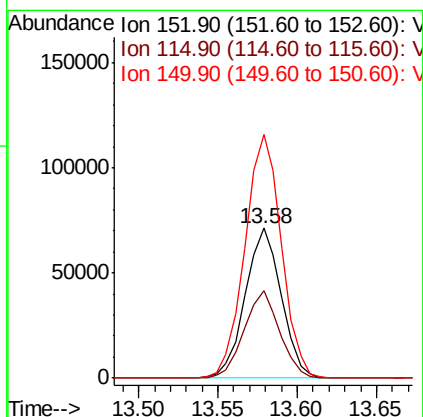
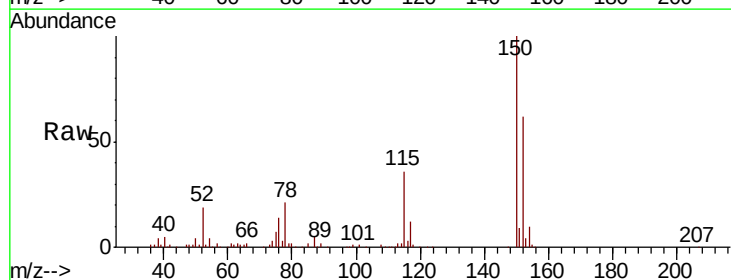
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(3-4)

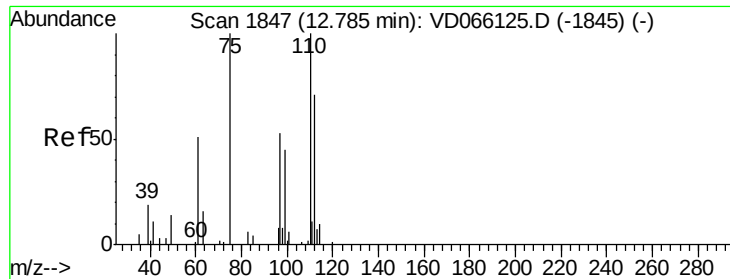
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.0	64.4
119	32.6	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066348.D
Acq: 20 Aug 2020 06:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.0	83.9
150	164.3	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 58.769 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

Instrument :

MSVOA_D

ClientSampleId :

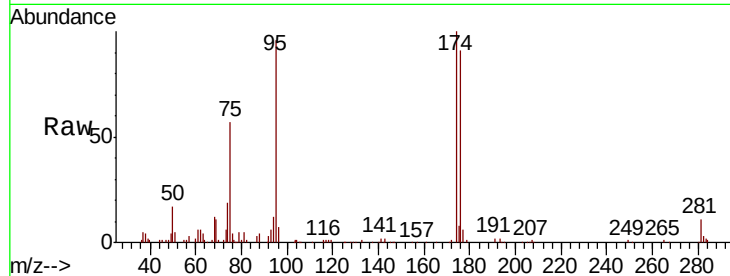
SB-4-(3-4)

Tot Ion: 75 Resp: 55022

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

40000

30000

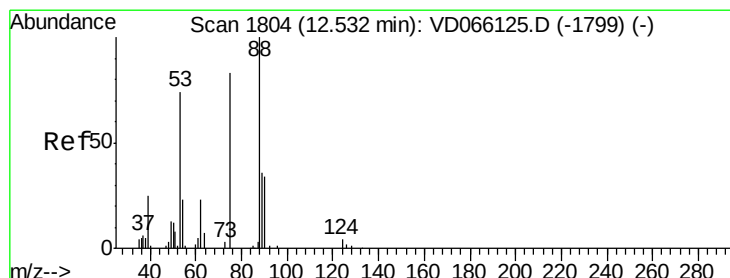
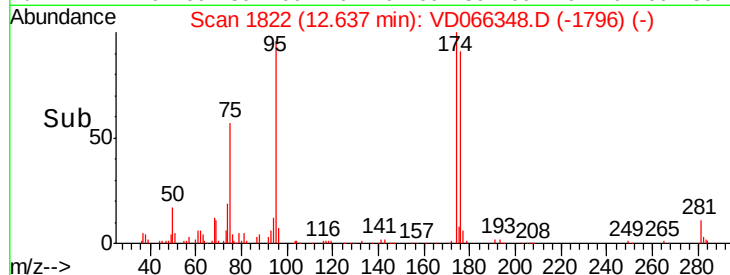
20000

10000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 129.913 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066348.D

Acq: 20 Aug 2020 06:48

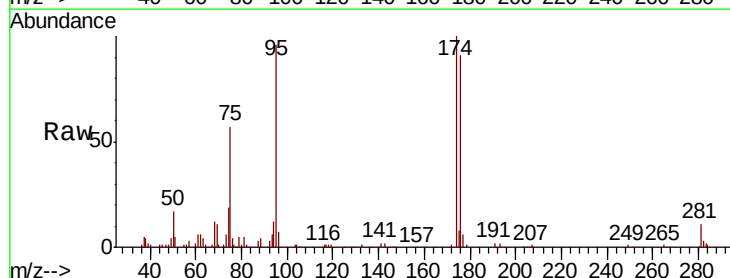
Tgt Ion: 75 Resp: 55022

Ion Ratio Lower Upper

75 100

53 0.0 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

12.64

40000

30000

20000

10000

0

Time-->

12.55 12.60 12.65 12.70

