

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066347.D
 Acq On : 20 Aug 2020 06:21
 Operator : VA/SY
 Sample : L3729-01
 Misc : 4.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(0-1)

Quant Time: Aug 20 07:24:57 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	80188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	139038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	138702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	67976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	67508	94.36	ug/l	0.00
Spiked Amount			Recovery	=	188.72%	
35) Dibromofluoromethane	7.91	113	52518	59.63	ug/l	0.00
Spiked Amount			Recovery	=	119.26%	
50) Toluene-d8	10.34	98	153883	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.63	95	58330	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	

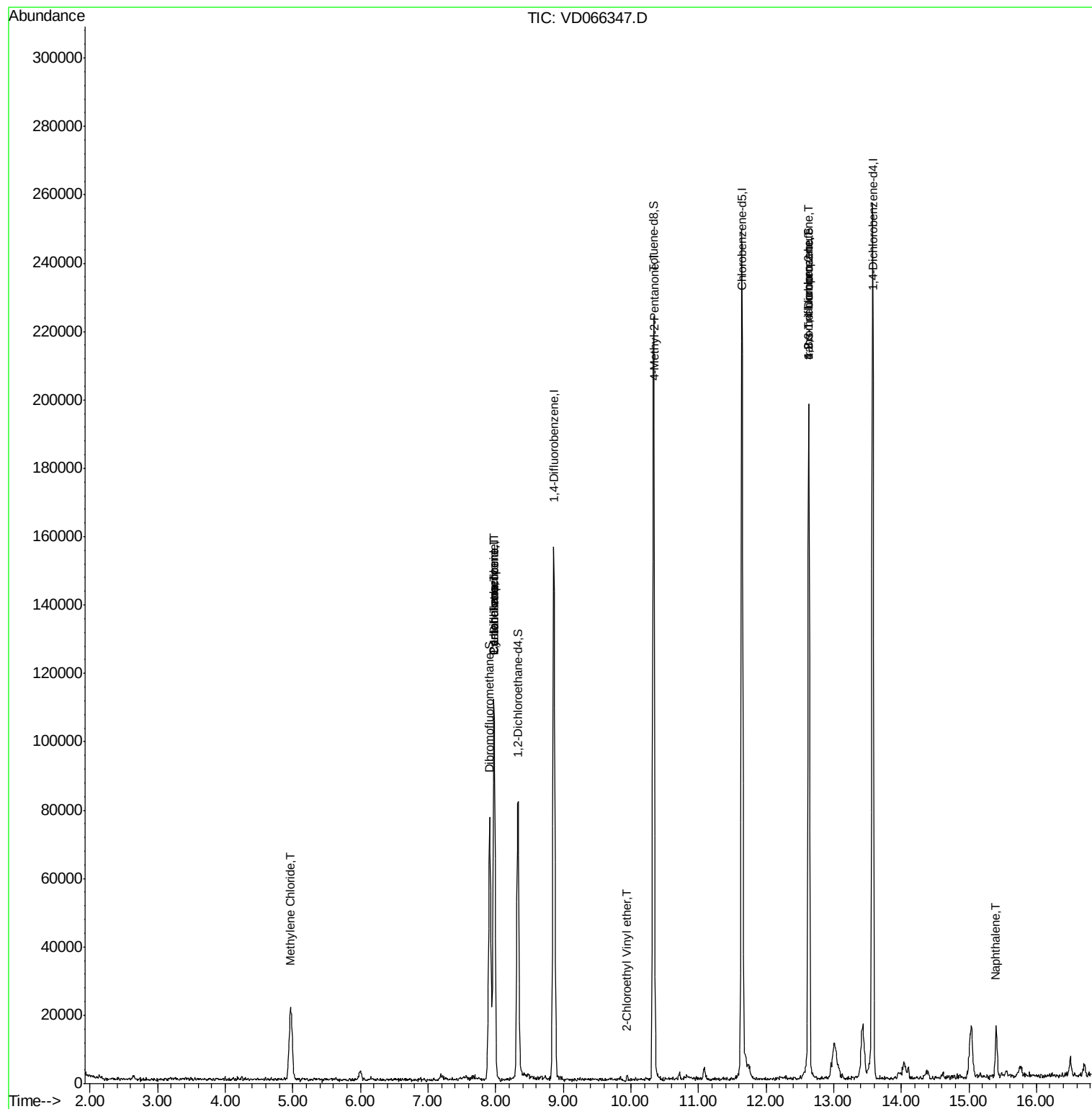
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	55	Below Cal	#	76
20) Methylene Chloride	4.97	84	17086	19.028	ug/l	96
31) Cyclohexane	7.98	56	1496	1.194	ug/l #	19
36) 1,1-Dichloropropene	7.97	75	5559	4.255	ug/l #	50
38) Carbon Tetrachloride	7.97	117	8119	5.572	ug/l #	14
51) 4-Methyl-2-Pentanone	10.35	43	759	1.449	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	608	1.600	ug/l #	59
76) 1,2,3-Trichloropropane	12.63	75	30667	54.099	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	30667	119.588	ug/l #	13
95) Naphthalene	15.40	128	14668	6.292	ug/l	98

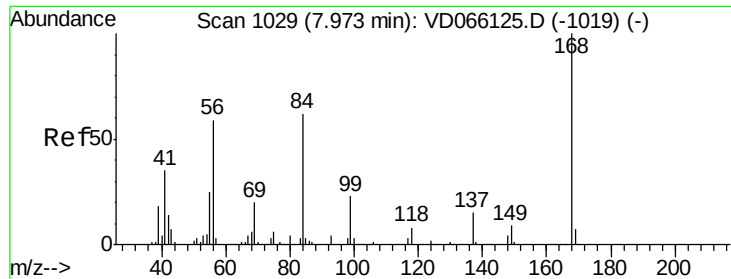
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066347.D

Acq: 20 Aug 2020 06:21

Instrument :

MSVOA_D

ClientSampleId :

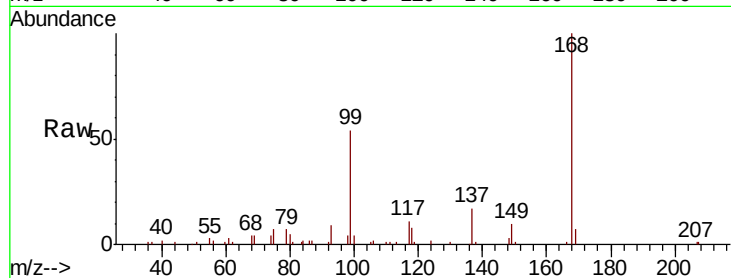
SB-3-(0-1)

Tot Ion:168 Resp: 80188

Ion Ratio Lower Upper

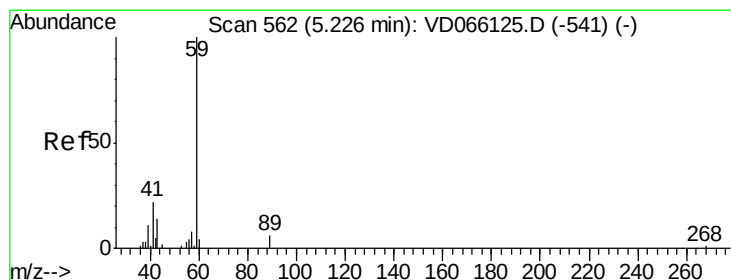
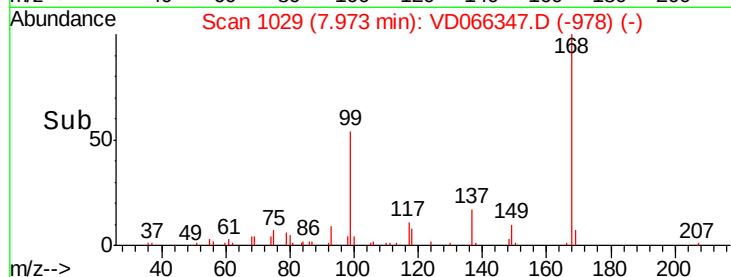
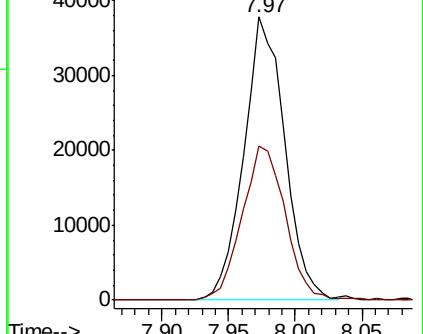
168 100

99 54.4 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: 5.17 min Scan# 553

Delta R.T. -0.05 min

Lab File: VD066347.D

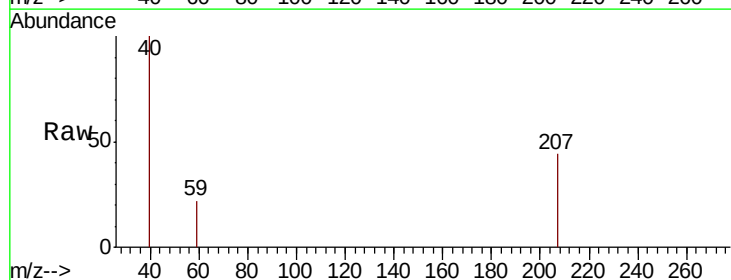
Acq: 20 Aug 2020 06:21

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

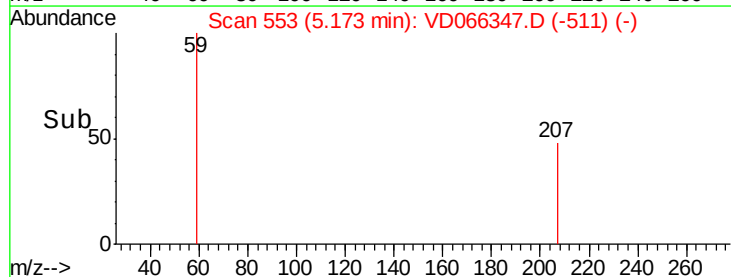
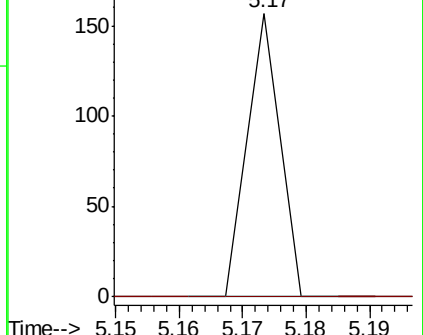
59 100

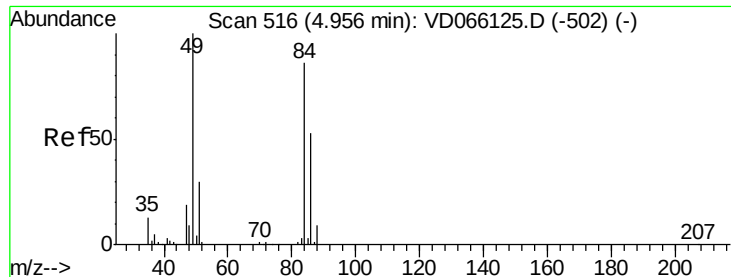
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

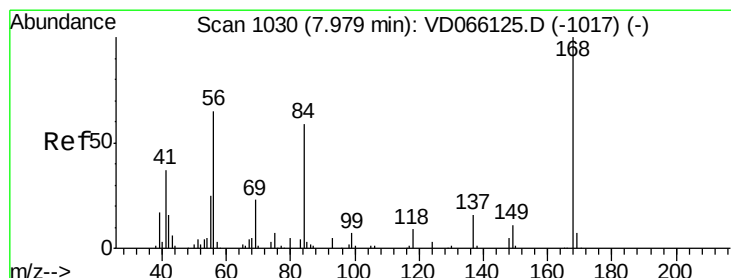
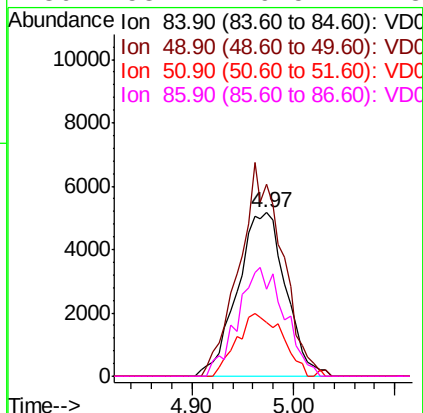
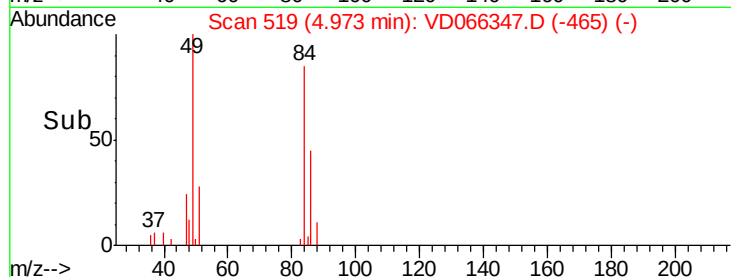
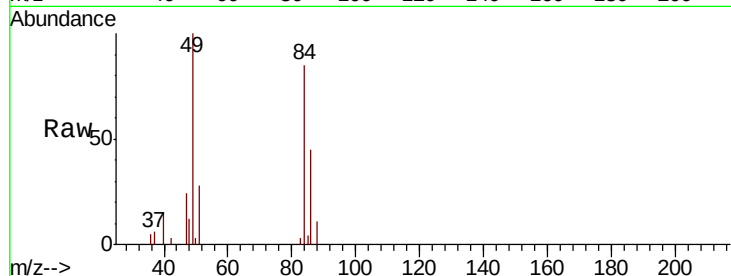




#20
Methylene Chloride
Concen: 19.028 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD066347.D
Acq: 20 Aug 2020 06:21

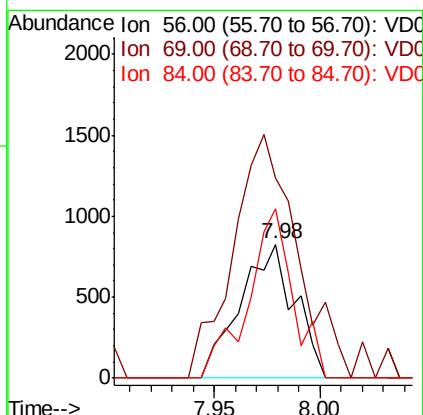
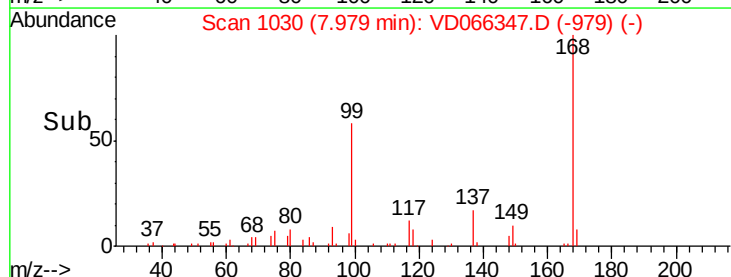
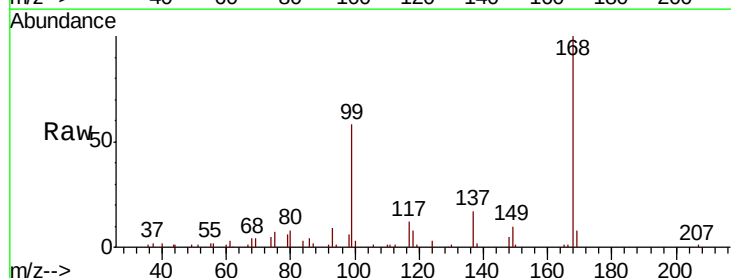
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(0-1)

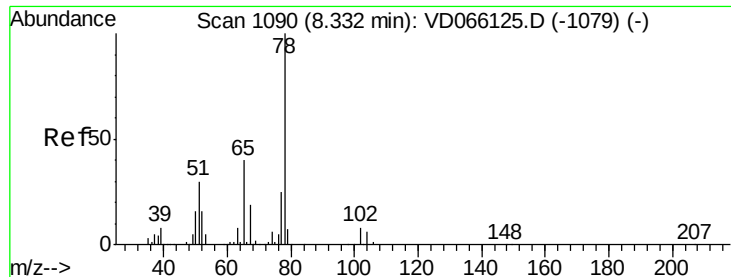
Tot Ion:	84	Resp:	17086
Ion	Ratio	Lower	Upper
84	100		
49	117.3	93.5	140.3
51	32.6	28.2	42.4
86	53.1	49.5	74.3



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066347.D
Acq: 20 Aug 2020 06:21

Tgt Ion:	56	Resp:	1496
Ion	Ratio	Lower	Upper
56	100		
69	149.0	28.8	43.2#
84	126.7	73.0	109.6#

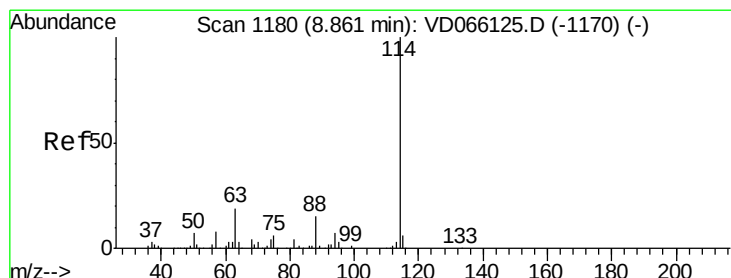
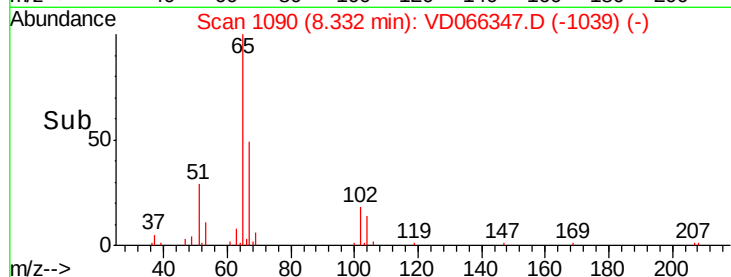
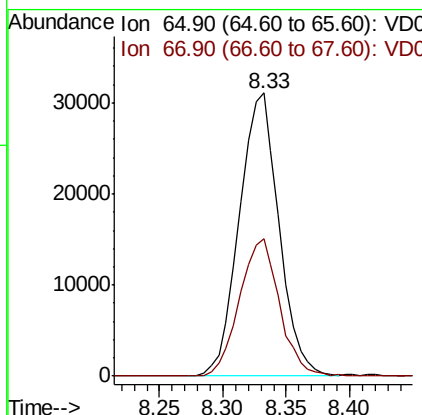
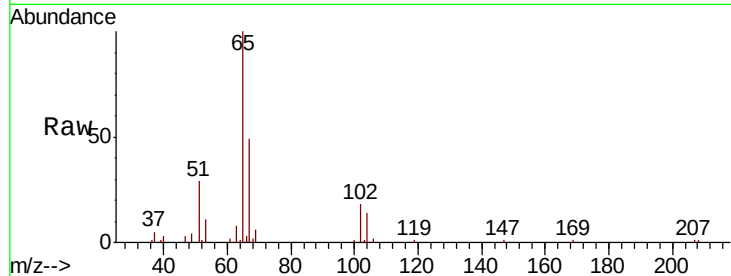




#33
 1,2-Dichloroethane-d4
 Concen: 94.364 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066347.D
 Acq: 20 Aug 2020 06:21

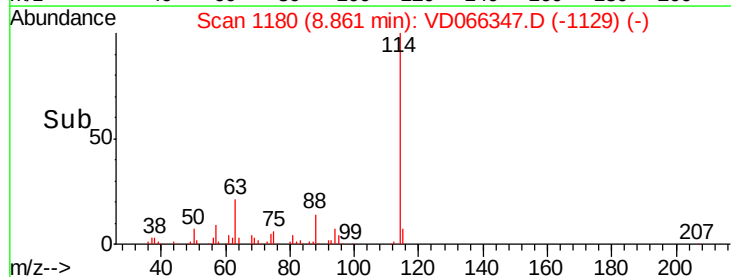
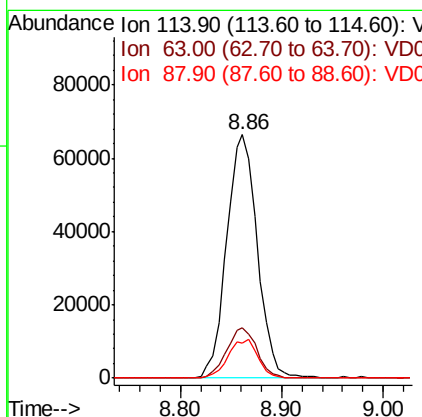
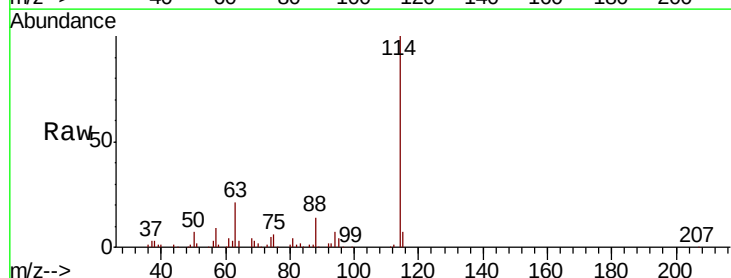
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(0-1)

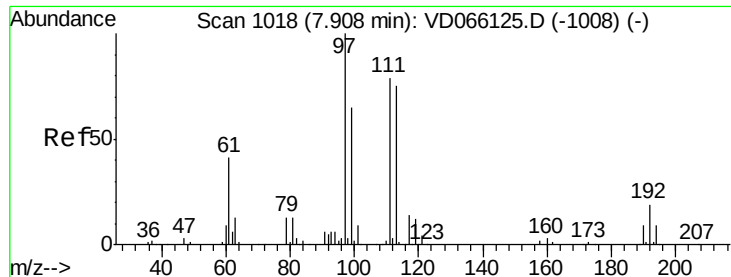
Tot Ion: 65 Resp: 67508
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066347.D
 Acq: 20 Aug 2020 06:21

Tgt Ion: 114 Resp: 139038
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.6
 88 14.3 0.0 30.0

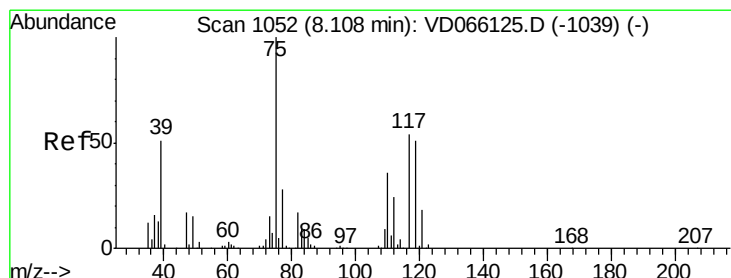
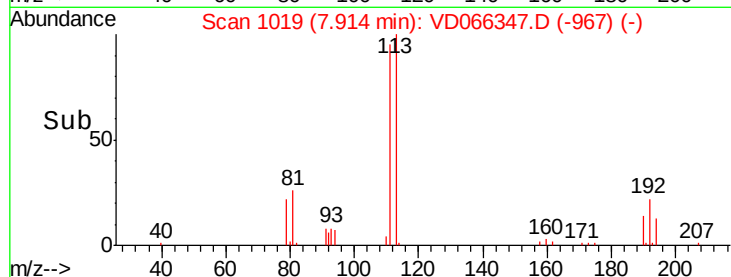
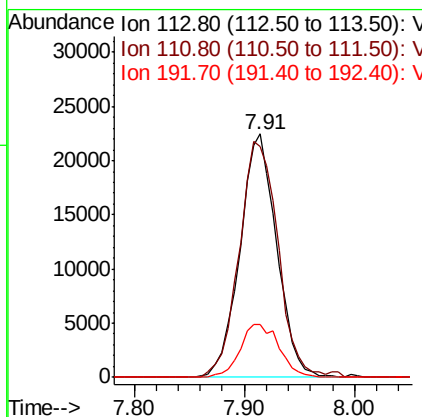
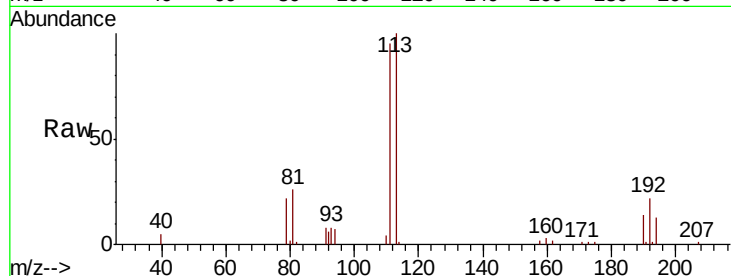




#35
 Dibromofluoromethane
 Concen: 59.626 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066347.D
 Acq: 20 Aug 2020 06:21

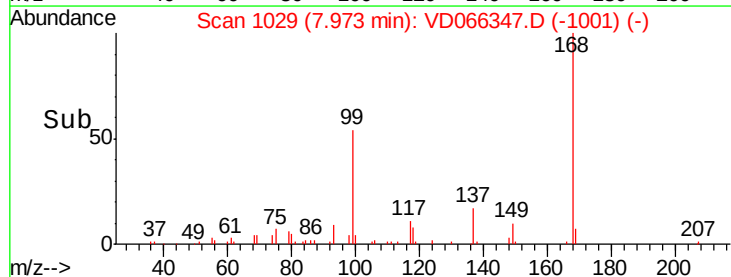
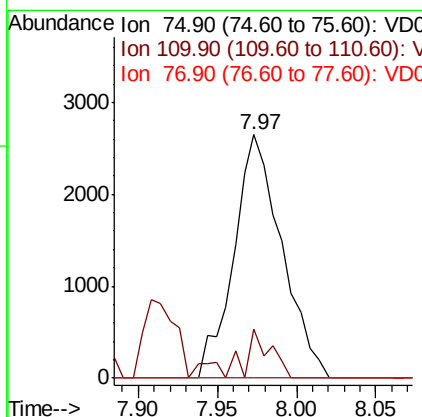
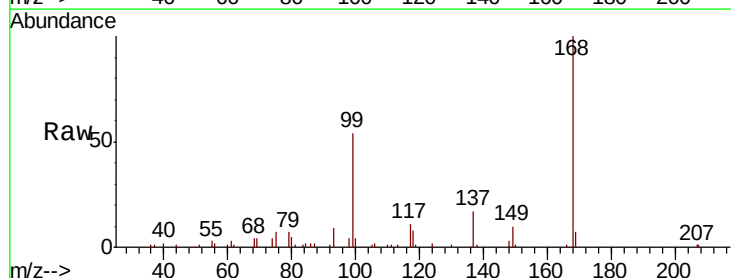
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(0-1)

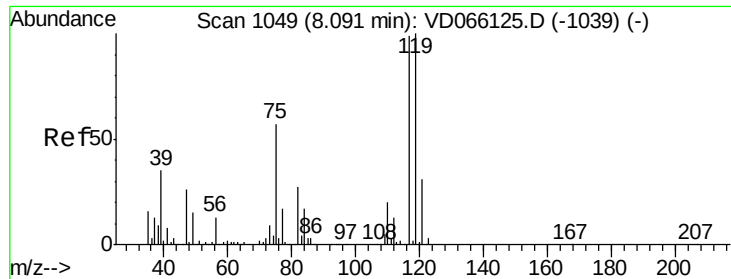
Tot Ion:113 Resp: 52518
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.7 121.1
 192 23.0 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.255 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066347.D
 Acq: 20 Aug 2020 06:21

Tgt Ion: 75 Resp: 5559
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.8 56.3#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.572 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066347.D

Acq: 20 Aug 2020 06:21

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(0-1)

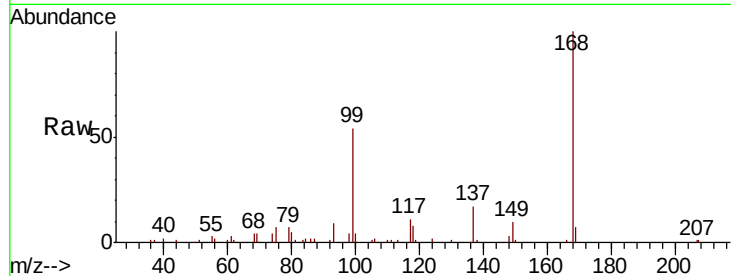
Tot Ion:117 Resp: 8119

Ion Ratio Lower Upper

117 100

119 5.8 81.0 121.4#

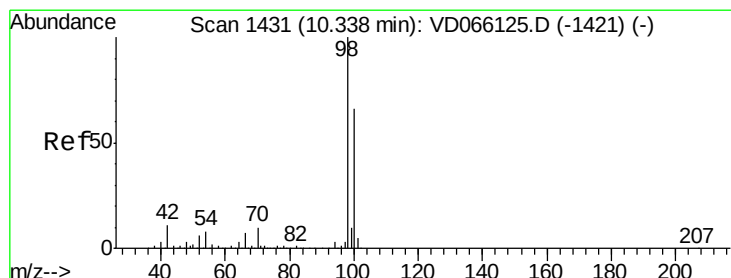
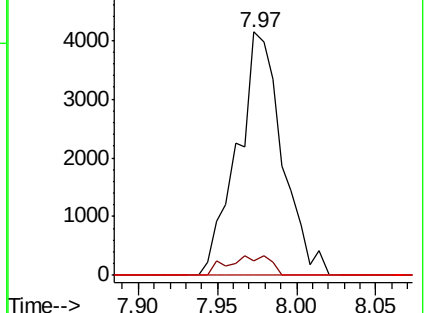
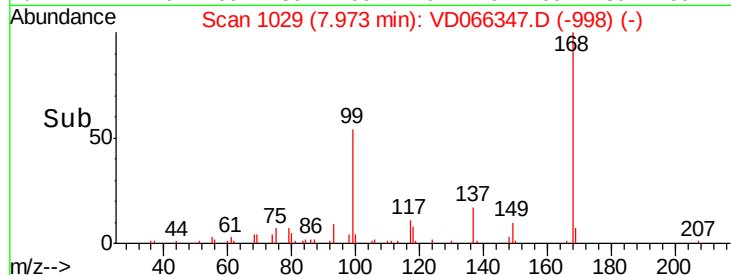
121 0.0 24.8 37.2#



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: 47.344 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066347.D

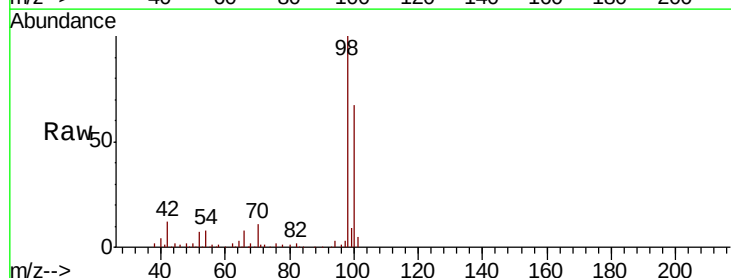
Acq: 20 Aug 2020 06:21

Tgt Ion: 98 Resp: 153883

Ion Ratio Lower Upper

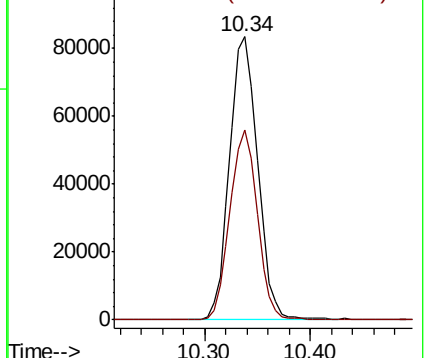
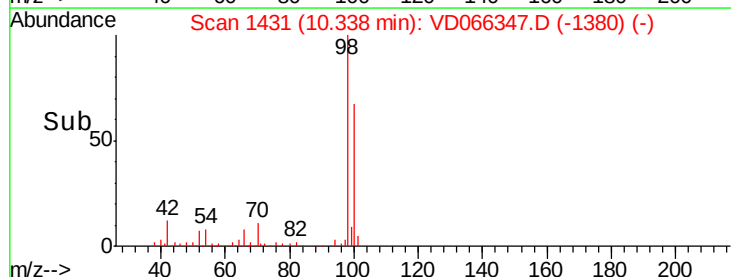
98 100

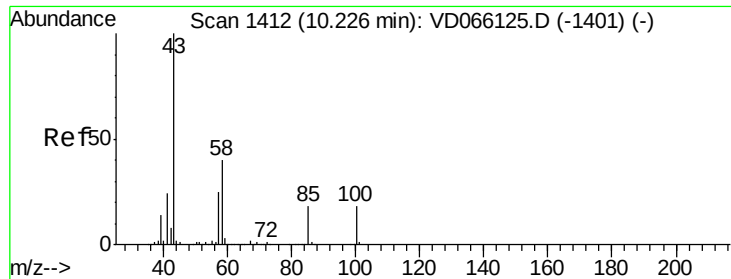
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.449 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD066347.D

Acq: 20 Aug 2020 06:21

Instrument :

MSVOA_D

ClientSampleId :

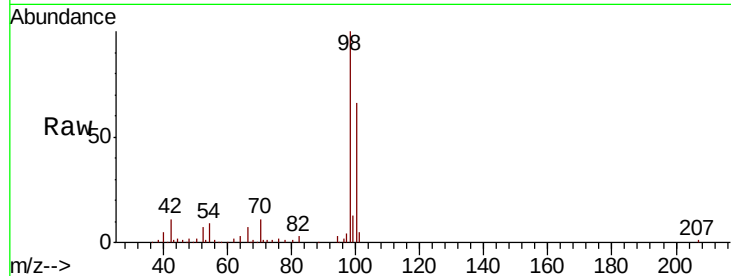
SB-3-(0-1)

Tot Ion: 43 Resp: 759

Ion Ratio Lower Upper

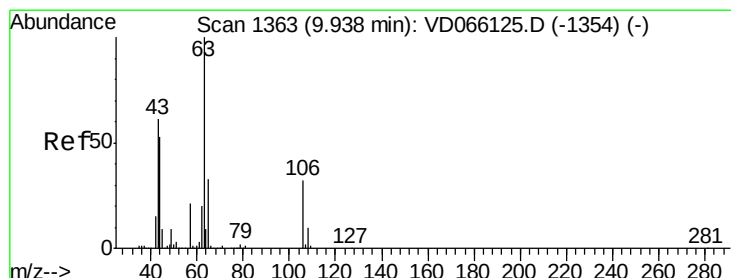
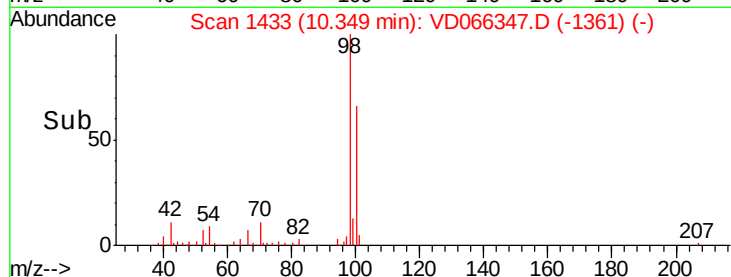
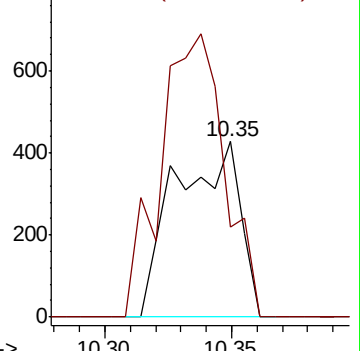
43 100

58 159.6 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.600 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066347.D

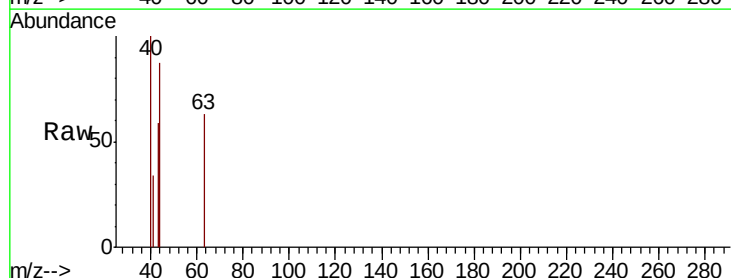
Acq: 20 Aug 2020 06:21

Tgt Ion: 63 Resp: 608

Ion Ratio Lower Upper

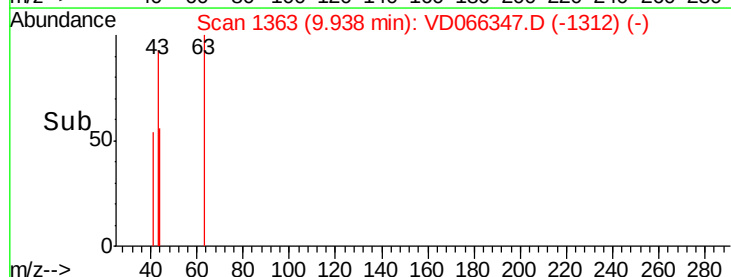
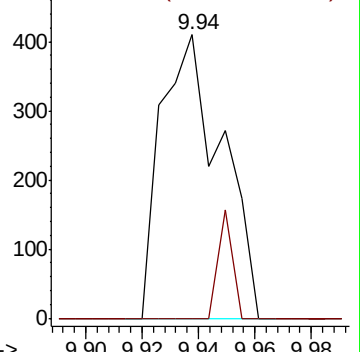
63 100

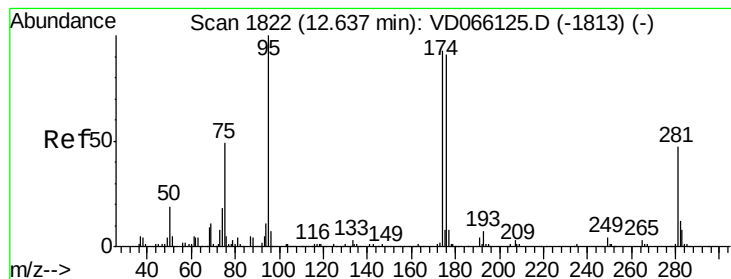
106 9.0 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC





#62

4-Bromofluorobenzene

Concen: 49.786 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066347.D

Acq: 20 Aug 2020 06:21

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(0-1)

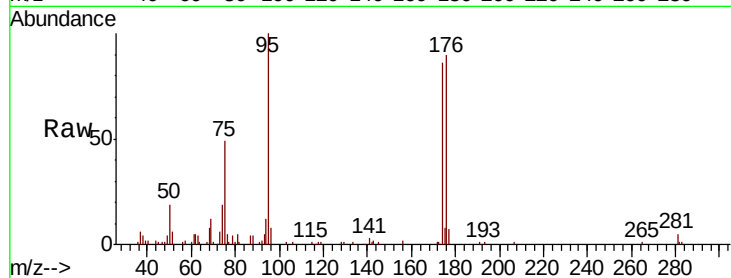
Tot Ion: 95 Resp: 58330

Ion Ratio Lower Upper

95 100

174 93.0 0.0 180.8

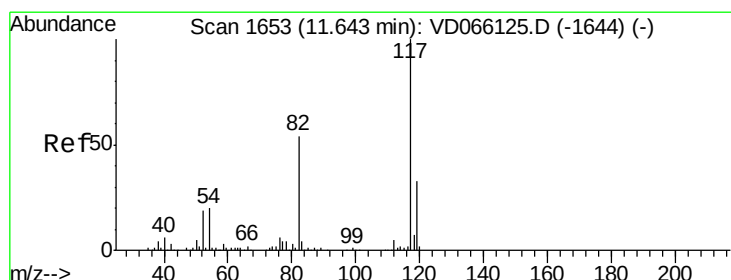
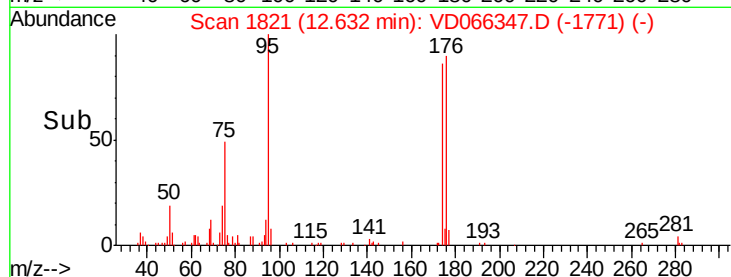
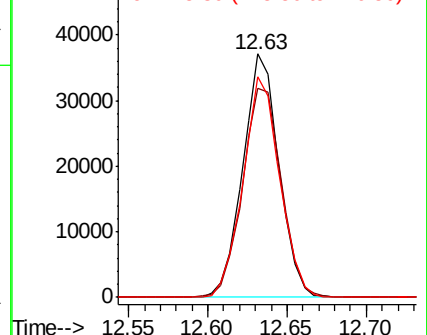
176 92.6 0.0 181.2



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: VD066347.D

Acq: 20 Aug 2020 06:21

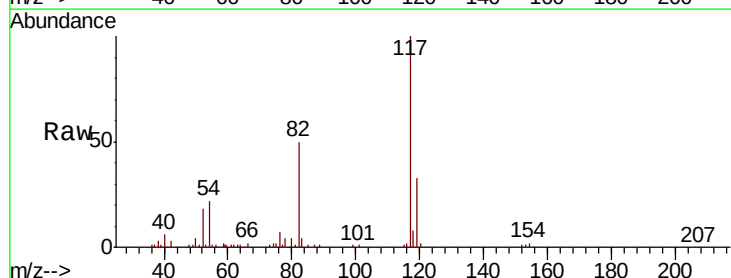
Tgt Ion: 117 Resp: 138702

Ion Ratio Lower Upper

117 100

82 50.3 43.0 64.4

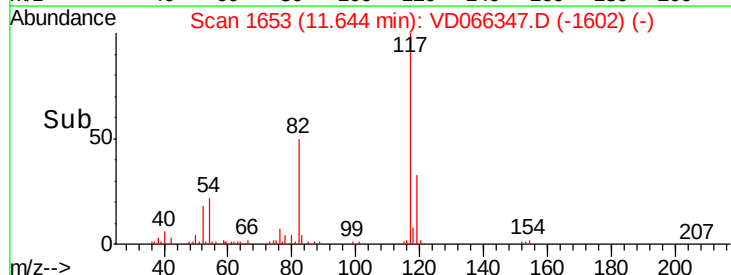
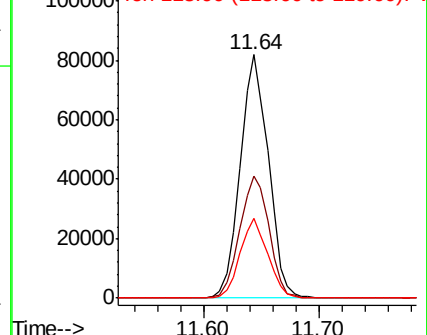
119 32.9 26.1 39.1

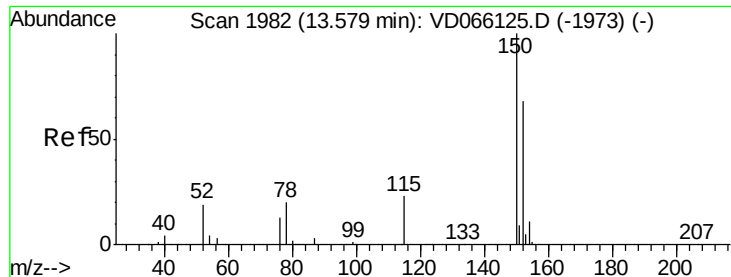


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

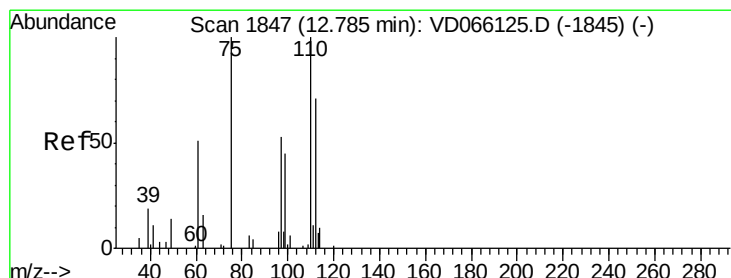
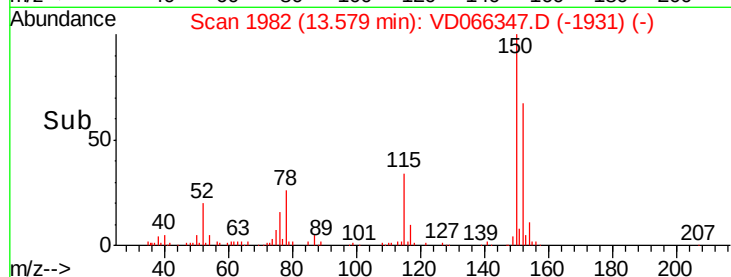
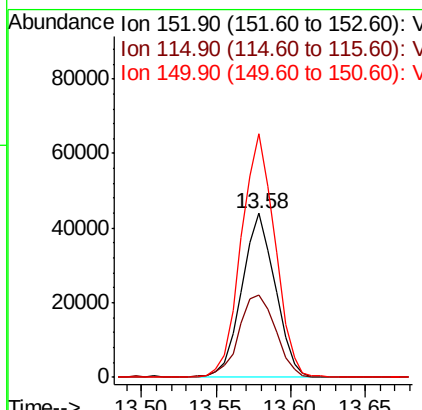
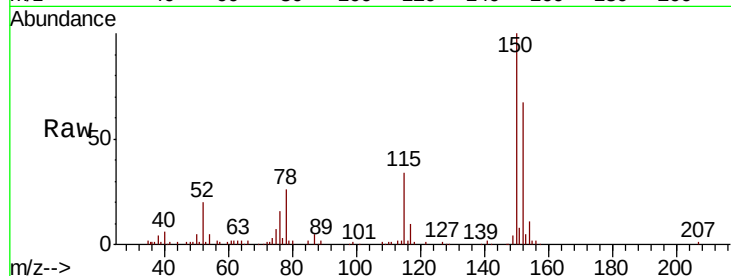




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066347.D
 Acq: 20 Aug 2020 06:21

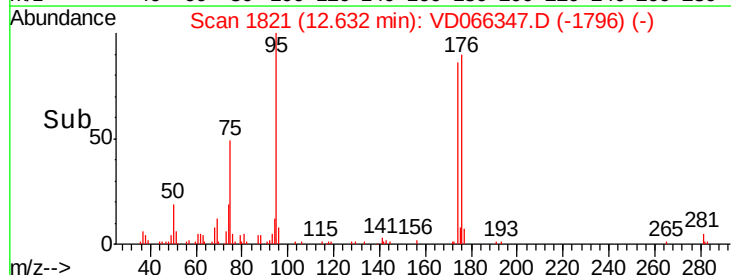
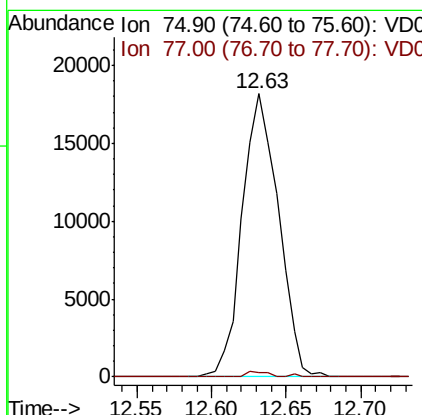
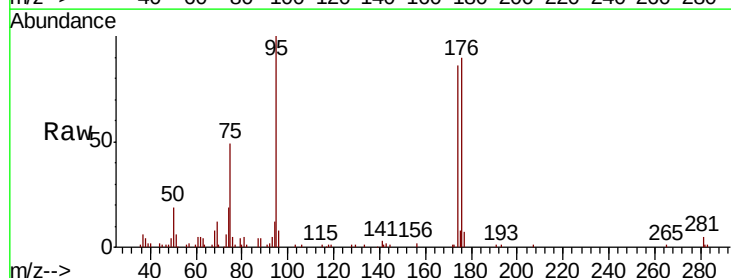
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(0-1)

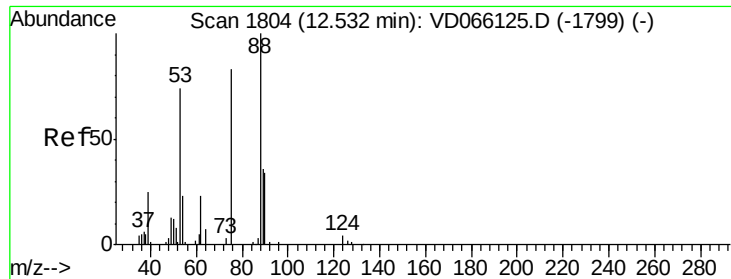
Tot Ion:152 Resp: 67976
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.0 83.9
 150 150.1 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 54.099 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066347.D
 Acq: 20 Aug 2020 06:21

Tgt Ion: 75 Resp: 30667
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 119.588 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066347.D

Acq: 20 Aug 2020 06:21

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(0-1)

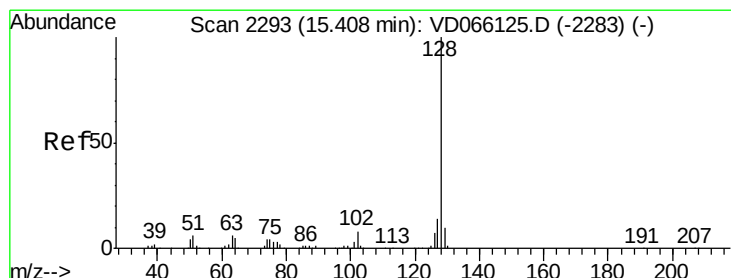
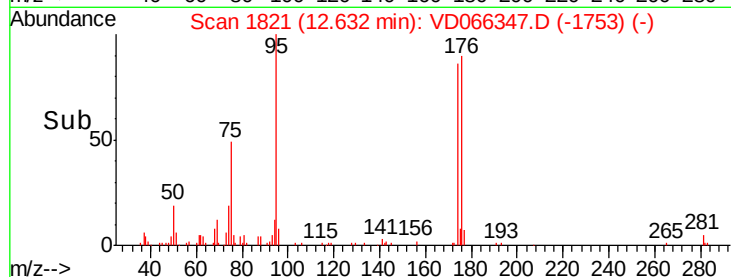
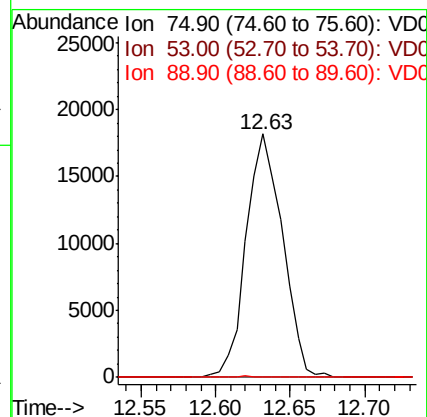
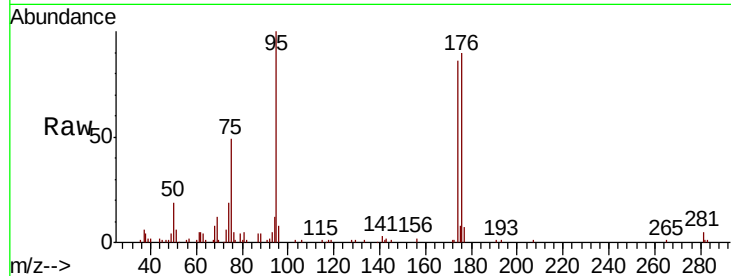
Tot Ion: 75 Resp: 30667

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.2 36.6 55.0#



#95

Naphthalene

Concen: 6.292 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066347.D

Acq: 20 Aug 2020 06:21

Tgt Ion:128 Resp: 14668

Ion Ratio Lower Upper

128 100

127 13.9 11.0 16.4

129 12.7 8.8 13.2

