

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066337.D
 Acq On : 20 Aug 2020 01:52
 Operator : VA/SY
 Sample : L3712-06RE
 Misc : 7.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-25203RE

Quant Time: Aug 20 07:22:52 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

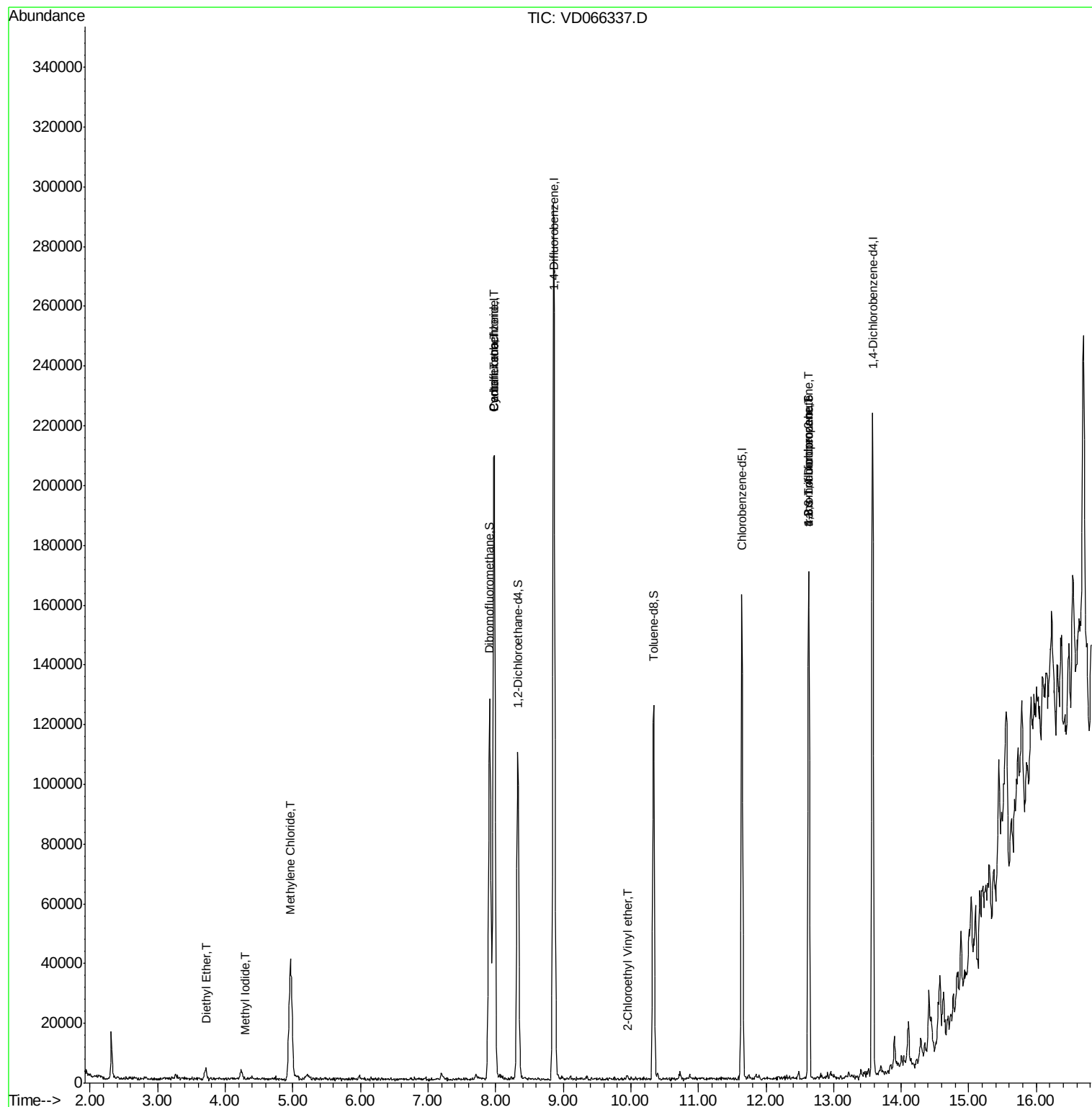
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	162148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	255813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	91281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	63463	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	90415	62.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.00%	
35) Dibromofluoromethane	7.91	113	89141	55.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.02%	
50) Toluene-d8	10.34	98	88349	14.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	29.54%	
62) 4-Bromofluorobenzene	12.63	95	48383	22.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	44.88%	
Target Compounds						
8) Diethyl Ether	3.71	74	1885	2.605	ug/l	89
10) Methyl Iodide	4.30	142	224	6.851	ug/l #	39
11) Tert butyl alcohol	5.20	59	3426	Below Cal	#	76
20) Methylene Chloride	4.96	84	32661	17.707	ug/l	95
31) Cyclohexane	7.97	56	3629	1.432	ug/l #	51
38) Carbon Tetrachloride	7.97	117	16936	6.318	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.94	63	735	1.051	ug/l #	61
76) 1,2,3-Trichloropropane	12.63	75	25295	47.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	25295	105.654	ug/l #	13

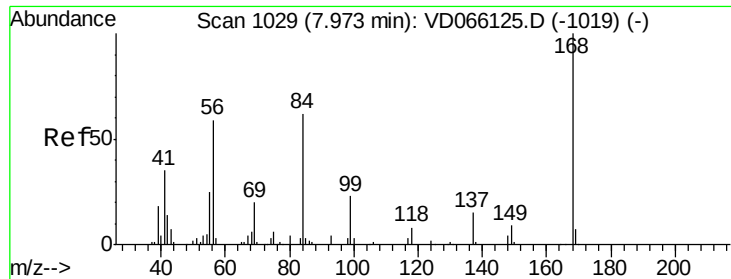
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081920\
Data File : VD066337.D
Acq On : 20 Aug 2020 01:52
Operator : VA/SY
Sample : L3712-06RE
Misc : 7.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Aug 20 07:22:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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: VD066337.D

Acq: 20 Aug 2020 01:52

Instrument :

MSVOA_D

ClientSampleId :

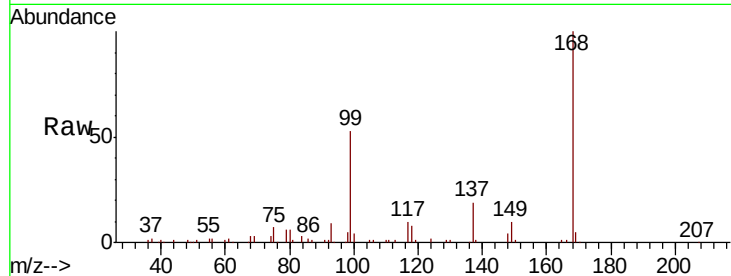
VB-25203RE

Tot Ion:168 Resp: 162148

Ion Ratio Lower Upper

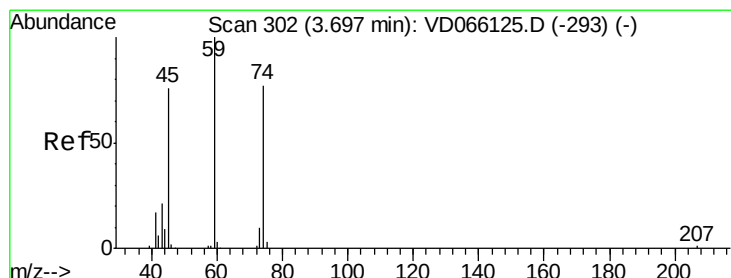
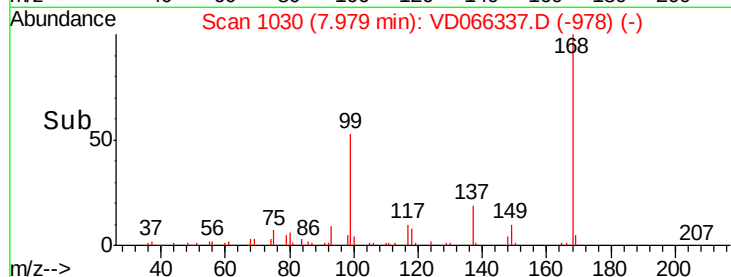
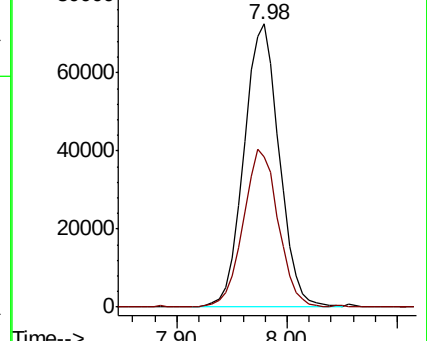
168 100

99 52.6 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: 2.605 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD066337.D

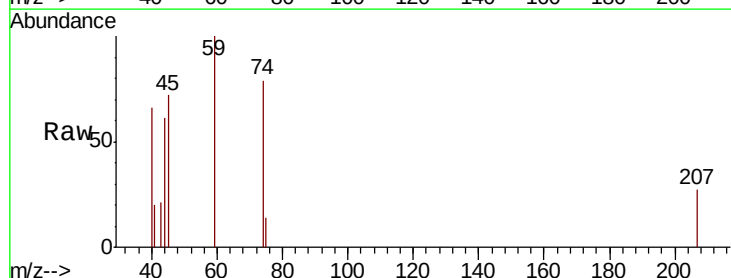
Acq: 20 Aug 2020 01:52

Tgt Ion: 74 Resp: 1885

Ion Ratio Lower Upper

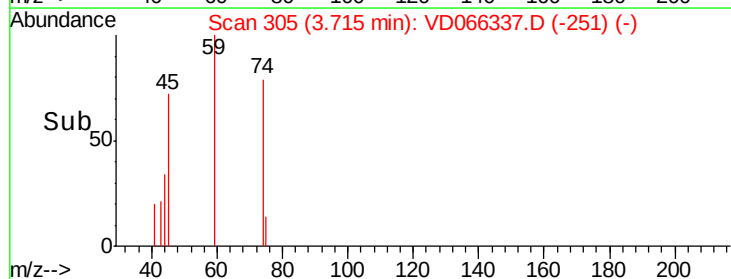
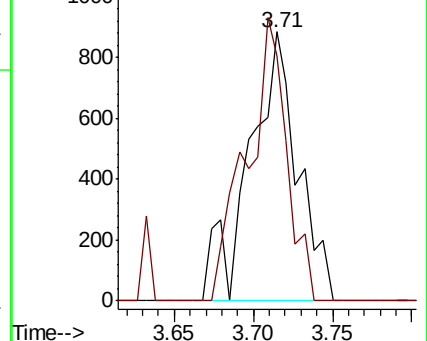
74 100

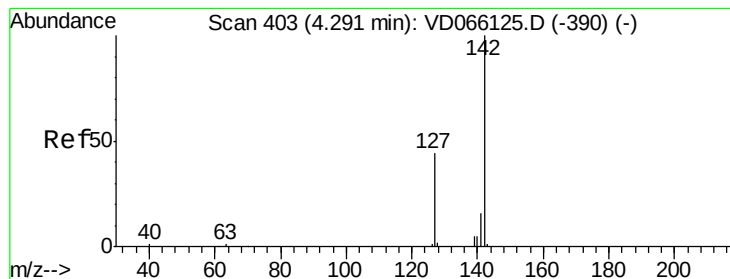
45 86.1 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#10

Methyl Iodide

Concen: 6.851 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066337.D

Acq: 20 Aug 2020 01:52

Instrument :

MSVOA_D

ClientSampleId :

VB-25203RE

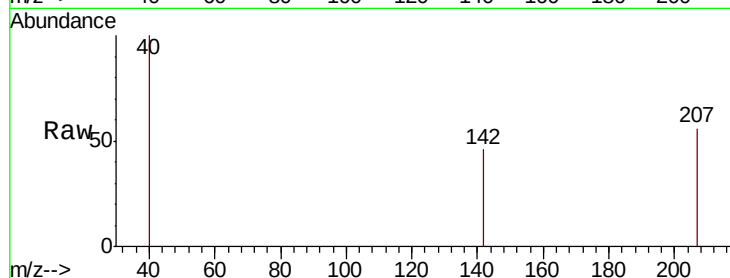
Tot Ion:142 Resp: 224

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

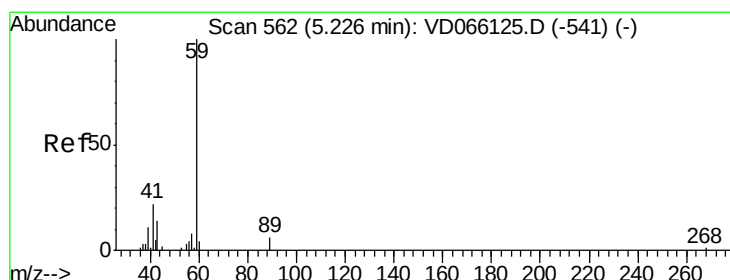
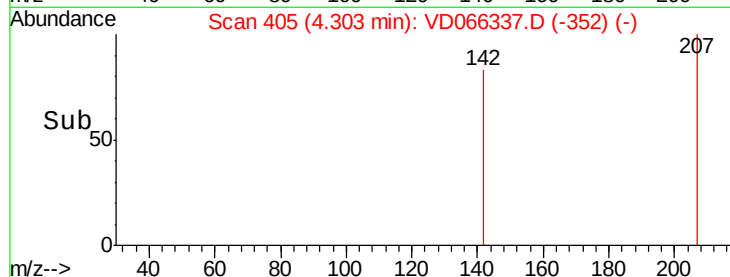
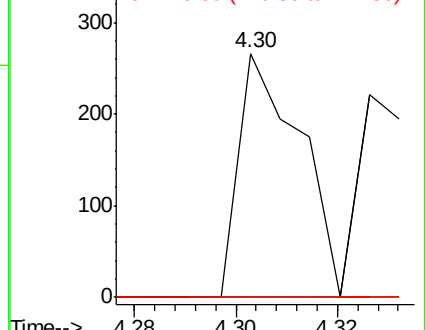
141 0.0 12.6 18.8#



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD066337.D

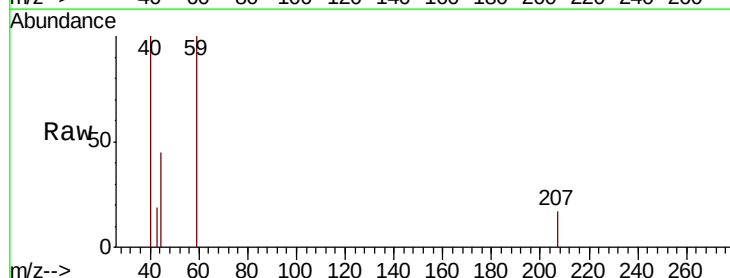
Acq: 20 Aug 2020 01:52

Tgt Ion: 59 Resp: 3426

Ion Ratio Lower Upper

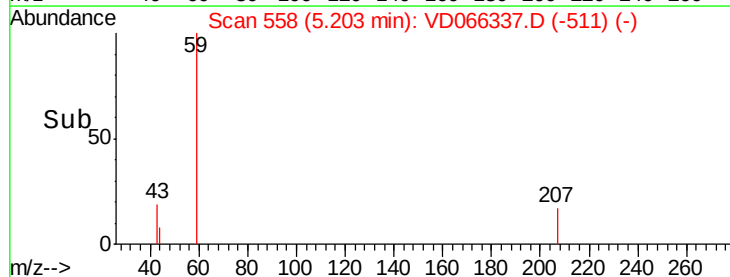
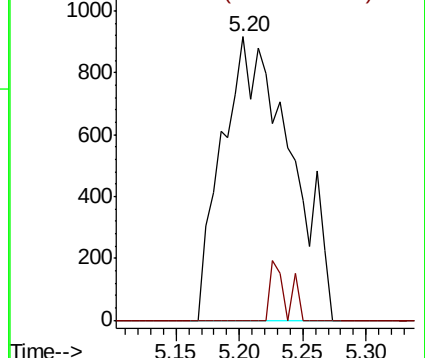
59 100

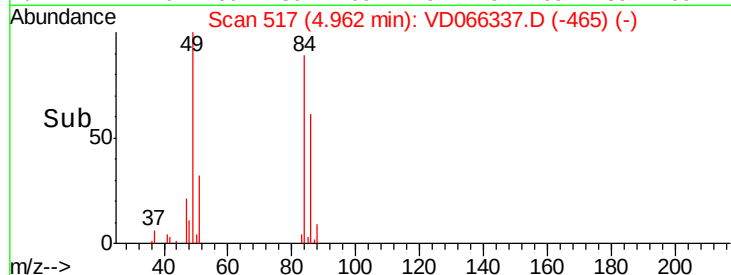
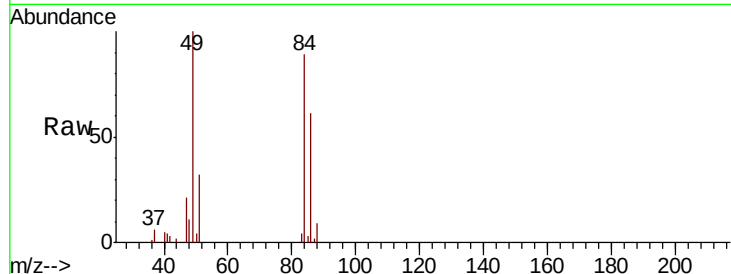
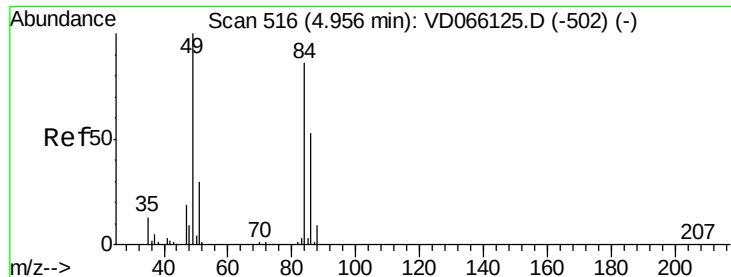
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V

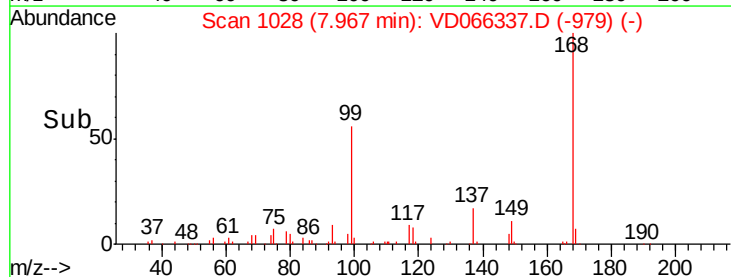
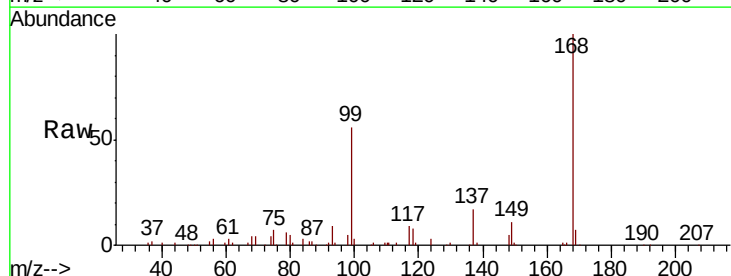
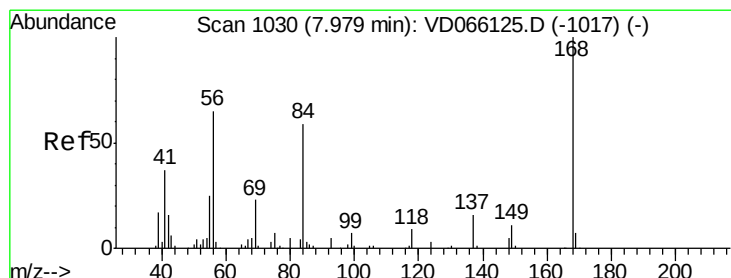
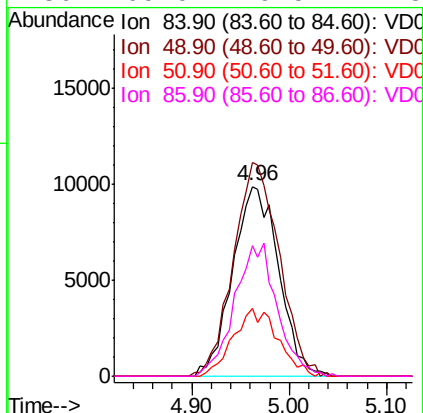




#20
Methylene Chloride
Concen: 17.707 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066337.D
Acq: 20 Aug 2020 01:52

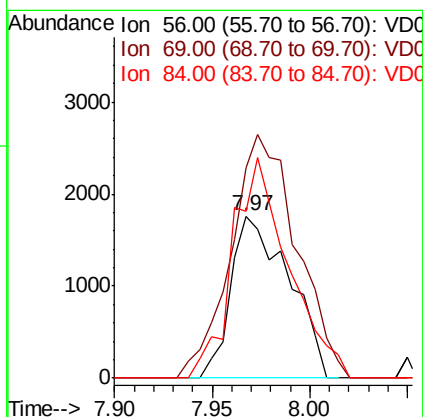
Instrument :
MSVOA_D
ClientSampleId :
VB-25203RE

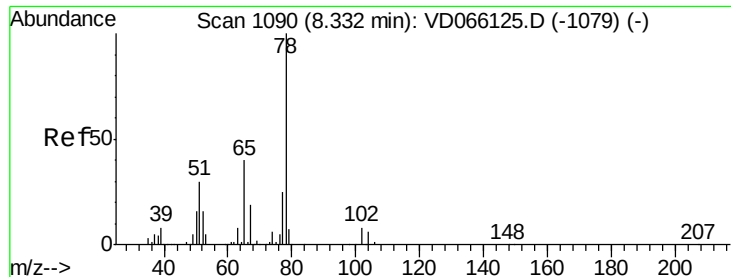
Tot Ion:	84	Resp:	32661
Ion	Ratio	Lower	Upper
84	100		
49	112.6	93.5	140.3
51	35.9	28.2	42.4
86	69.0	49.5	74.3



#31
Cyclohexane
Concen: 1.432 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066337.D
Acq: 20 Aug 2020 01:52

Tgt Ion:	56	Resp:	3629
Ion	Ratio	Lower	Upper
56	100		
69	119.7	28.8	43.2#
84	103.2	73.0	109.6

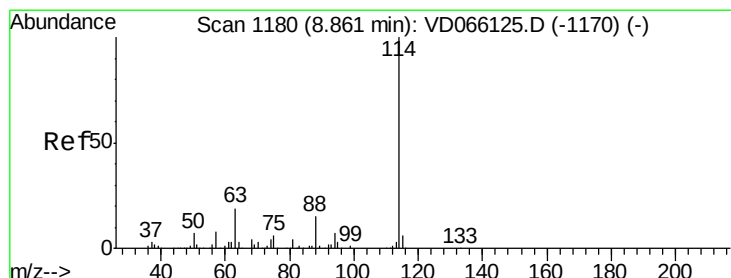
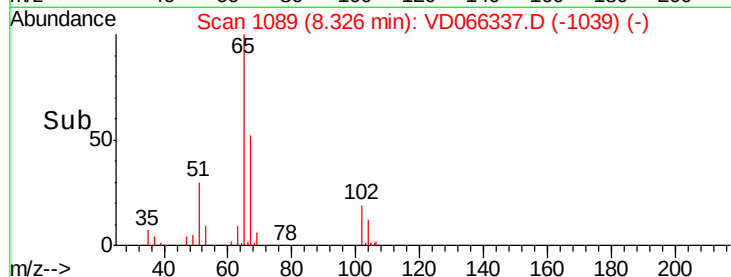
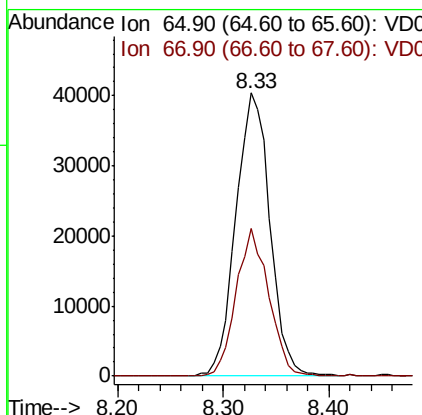
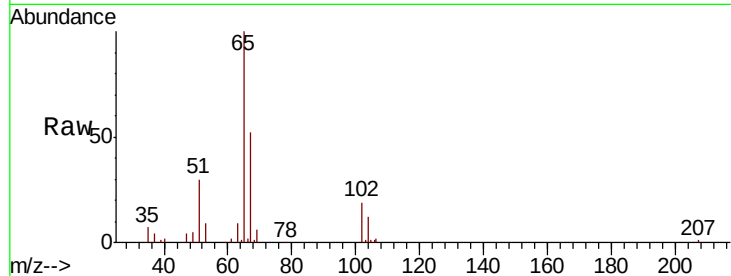




#33
 1,2-Dichloroethane-d4
 Concen: 62.501 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066337.D
 Acq: 20 Aug 2020 01:52

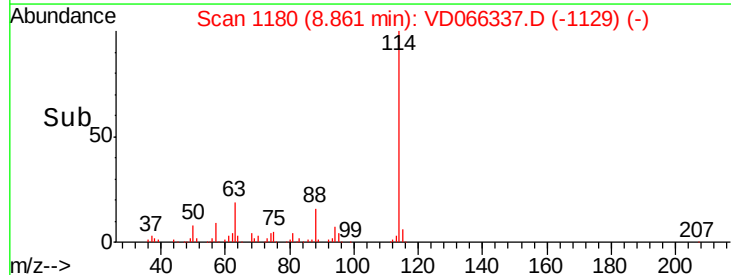
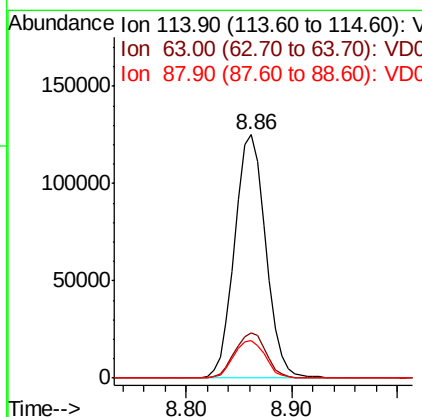
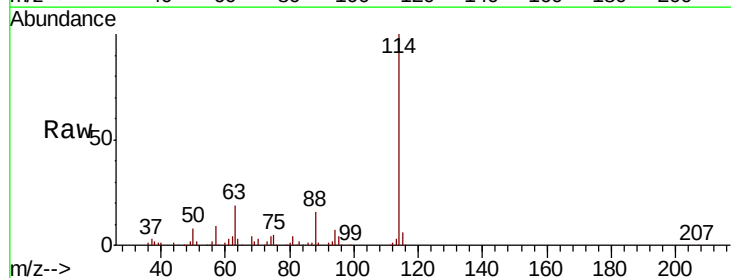
Instrument :
 MSVOA_D
 ClientSampleId :
 VB-25203RE

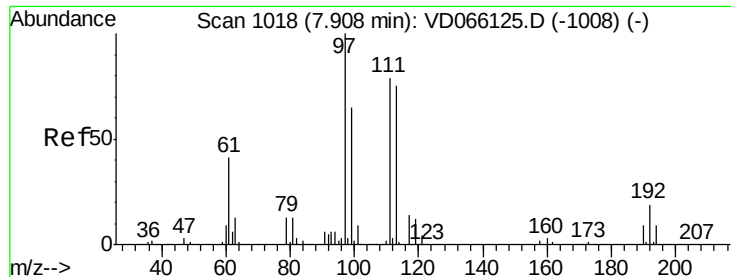
Tot Ion: 65 Resp: 90415
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066337.D
 Acq: 20 Aug 2020 01:52

Tgt Ion: 114 Resp: 255813
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.5 0.0 30.0

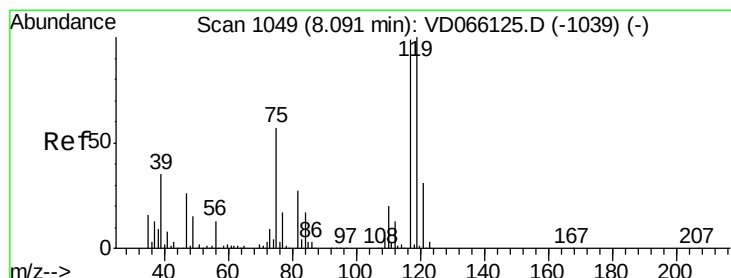
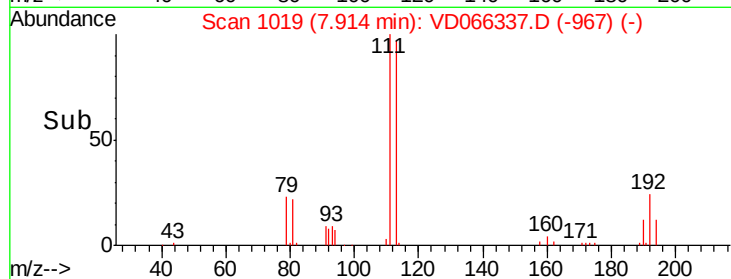
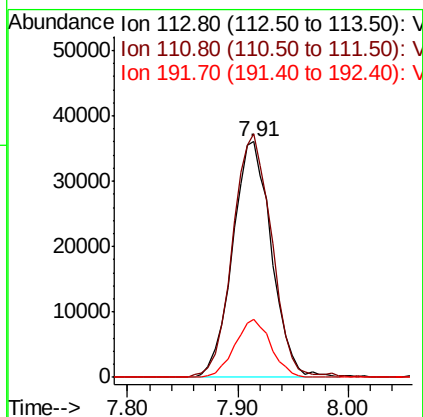
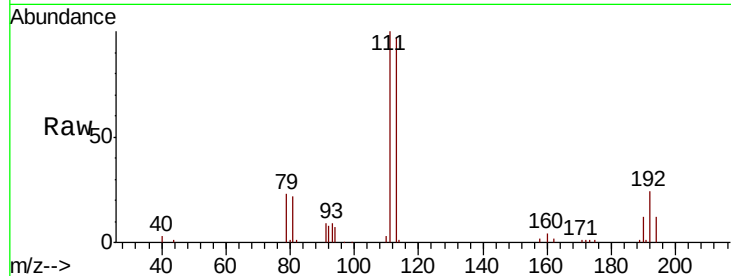




#35
 Dibromofluoromethane
 Concen: 55.007 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066337.D
 Acq: 20 Aug 2020 01:52

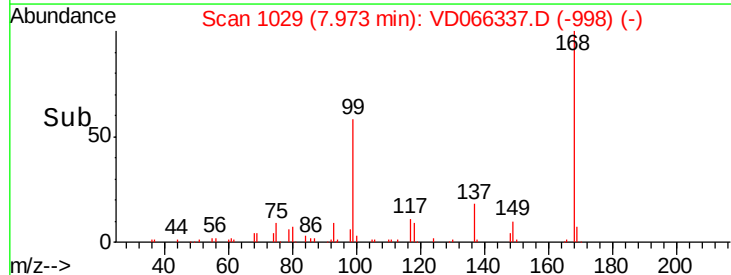
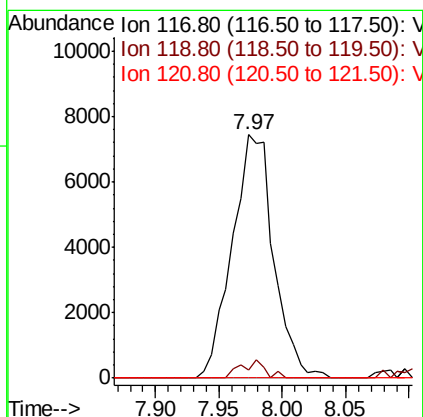
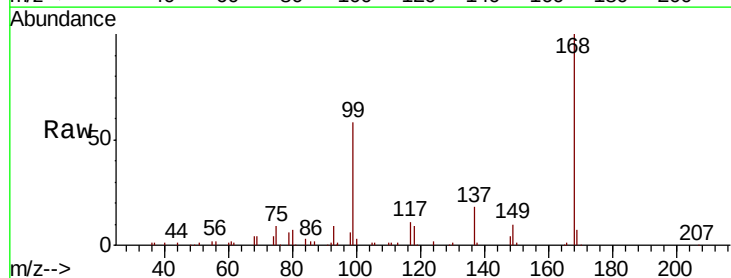
Instrument :
 MSVOA_D
 ClientSampleID :
 VB-25203RE

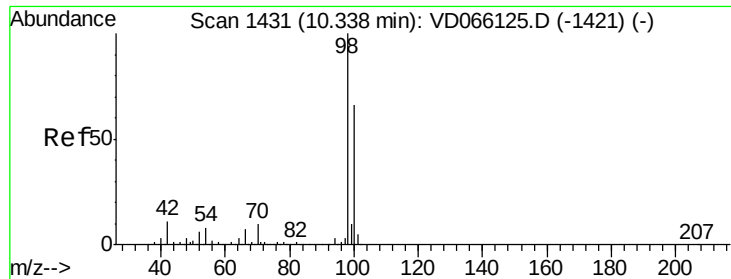
Tot Ion:113 Resp: 89141
 Ion Ratio Lower Upper
 113 100
 111 103.9 80.7 121.1
 192 22.9 18.4 27.6



#38
 Carbon Tetrachloride
 Concen: 6.318 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066337.D
 Acq: 20 Aug 2020 01:52

Tgt Ion:117 Resp: 16936
 Ion Ratio Lower Upper
 117 100
 119 3.5 81.0 121.4#
 121 0.0 24.8 37.2#

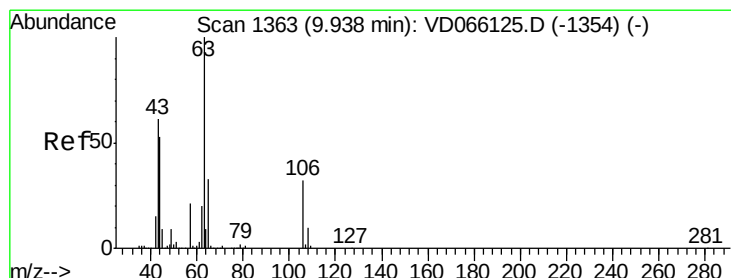
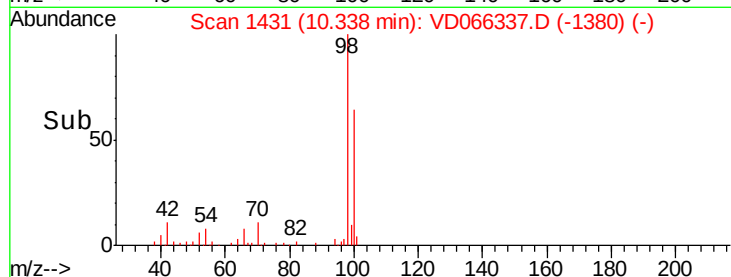
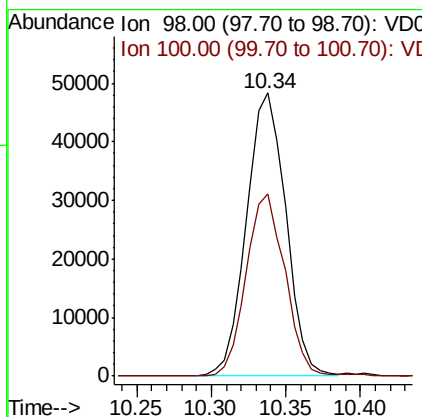
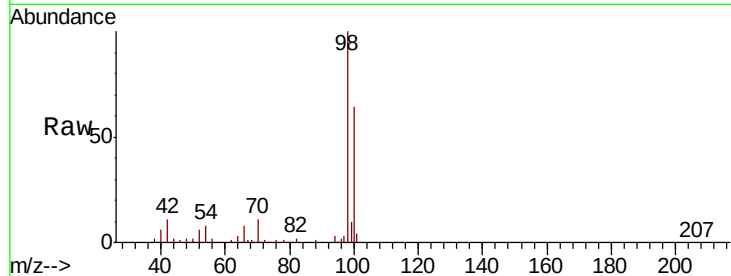




#50
Toluene-d8
Concen: 14.774 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066337.D
Acq: 20 Aug 2020 01:52

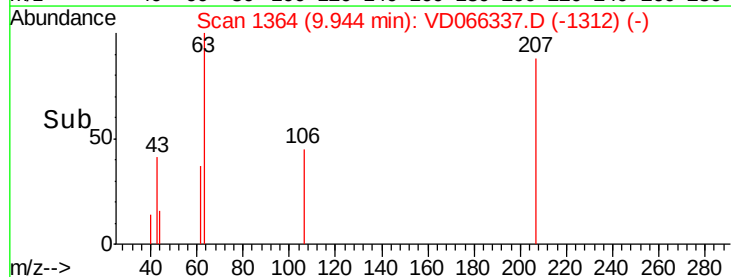
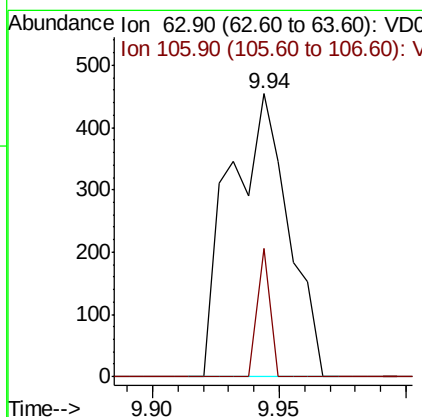
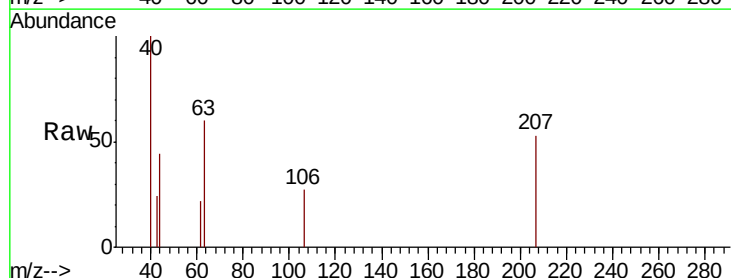
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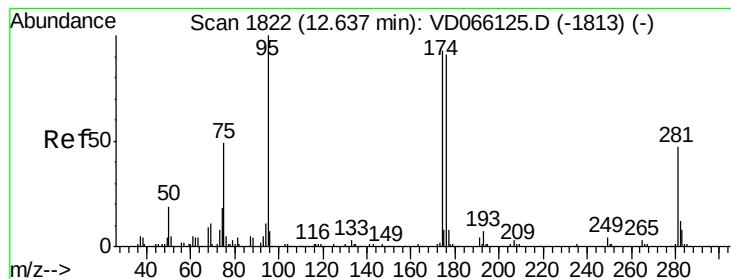
Tot Ion: 98 Resp: 88349
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.051 ug/l
RT: 9.94 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VD066337.D
Acq: 20 Aug 2020 01:52

Tgt Ion: 63 Resp: 735
Ion Ratio Lower Upper
63 100
106 9.8 25.3 37.9#





#62

4-Bromofluorobenzene

Concen: 22.445 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066337.D

Acq: 20 Aug 2020 01:52

Instrument :

MSVOA_D

ClientSampleId :

VB-25203RE

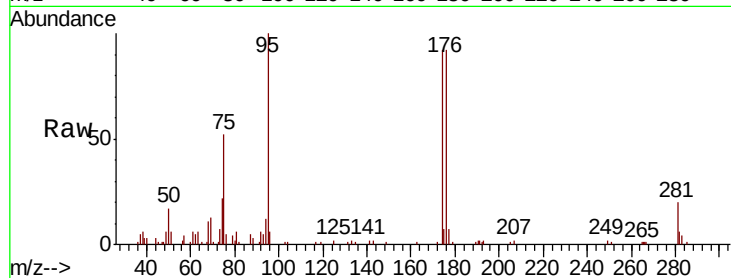
Tot Ion: 95 Resp: 48383

Ion Ratio Lower Upper

95 100

174 94.8 0.0 180.8

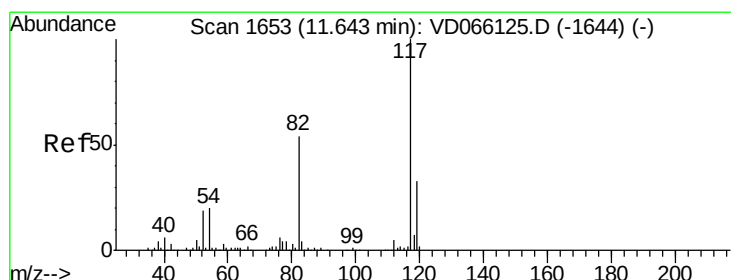
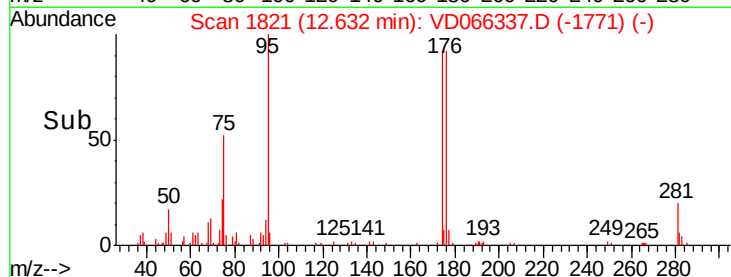
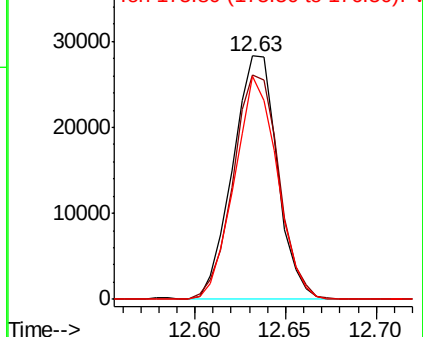
176 88.1 0.0 181.2



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: VD066337.D

Acq: 20 Aug 2020 01:52

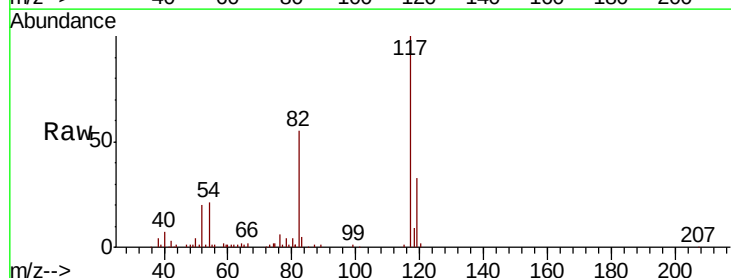
Tgt Ion: 117 Resp: 91281

Ion Ratio Lower Upper

117 100

82 55.4 43.0 64.4

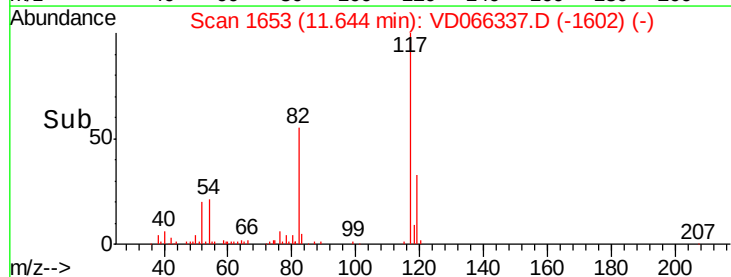
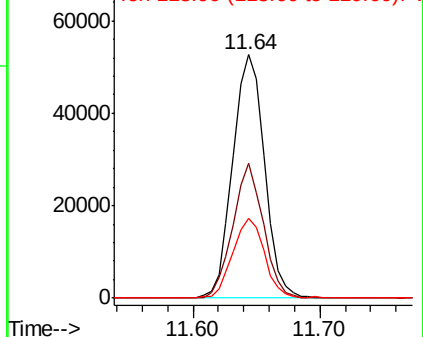
119 32.7 26.1 39.1

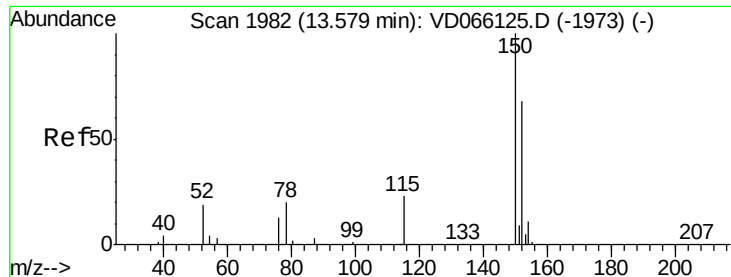


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066337.D

Acq: 20 Aug 2020 01:52

Instrument :

MSVOA_D

ClientSampleId :

VB-25203RE

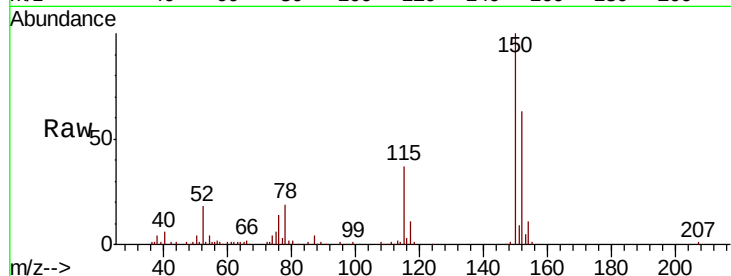
Tot Ion:152 Resp: 63463

Ion Ratio Lower Upper

152 100

115 59.4 28.0 83.9

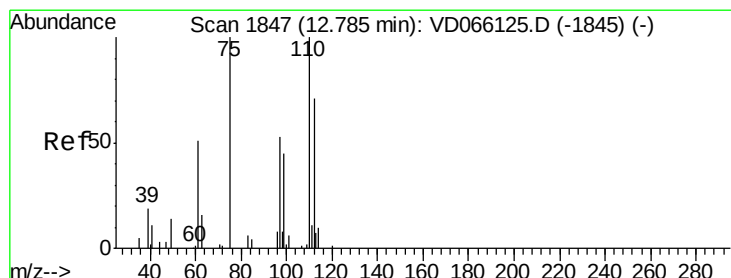
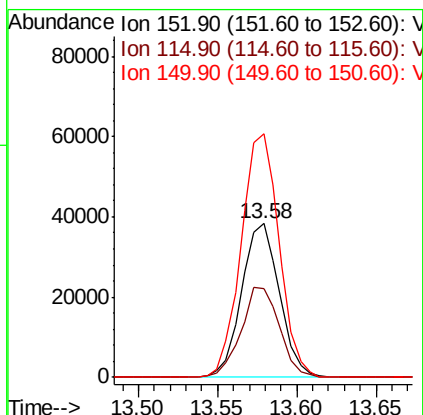
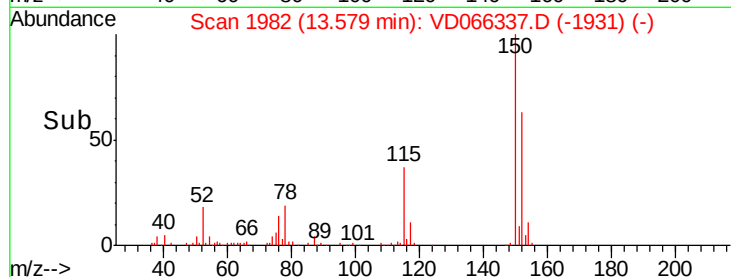
150 158.9 0.0 346.4



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: 47.795 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066337.D

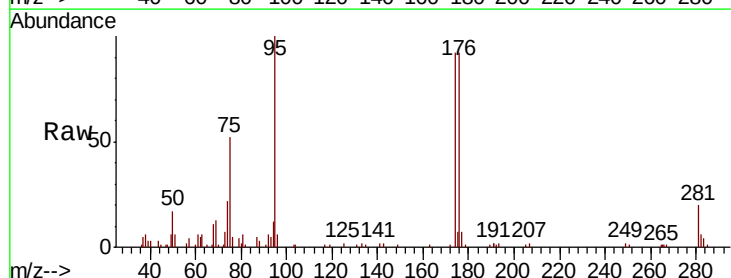
Acq: 20 Aug 2020 01:52

Tgt Ion: 75 Resp: 25295

Ion Ratio Lower Upper

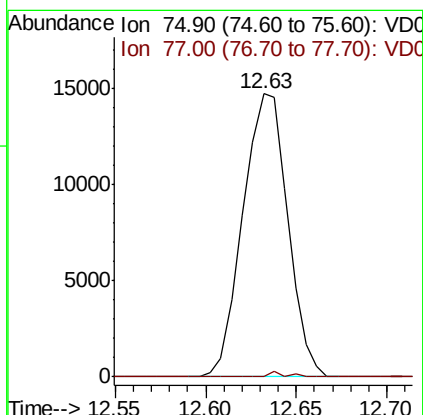
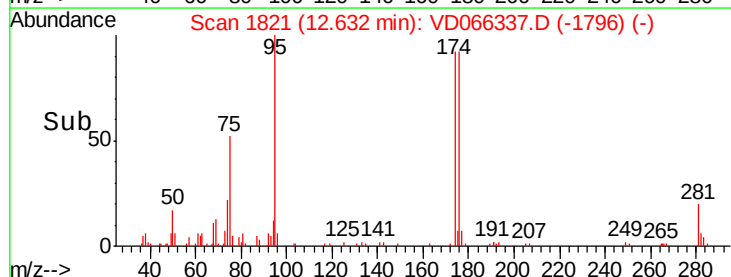
75 100

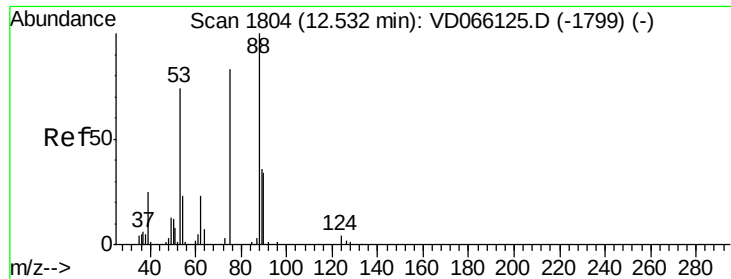
77 0.7 0.0 0.0#



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: 105.654 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066337.D

Acq: 20 Aug 2020 01:52

Instrument :

MSVOA_D

ClientSampleId :

VB-25203RE

Tot Ion: 75 Resp: 25295

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.3 36.6 55.0#

