

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066327.D
 Acq On : 19 Aug 2020 19:07
 Operator : VA/SY
 Sample : L3712-10
 Misc : 7.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 V-23615

Quant Time: Aug 20 07:18:39 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

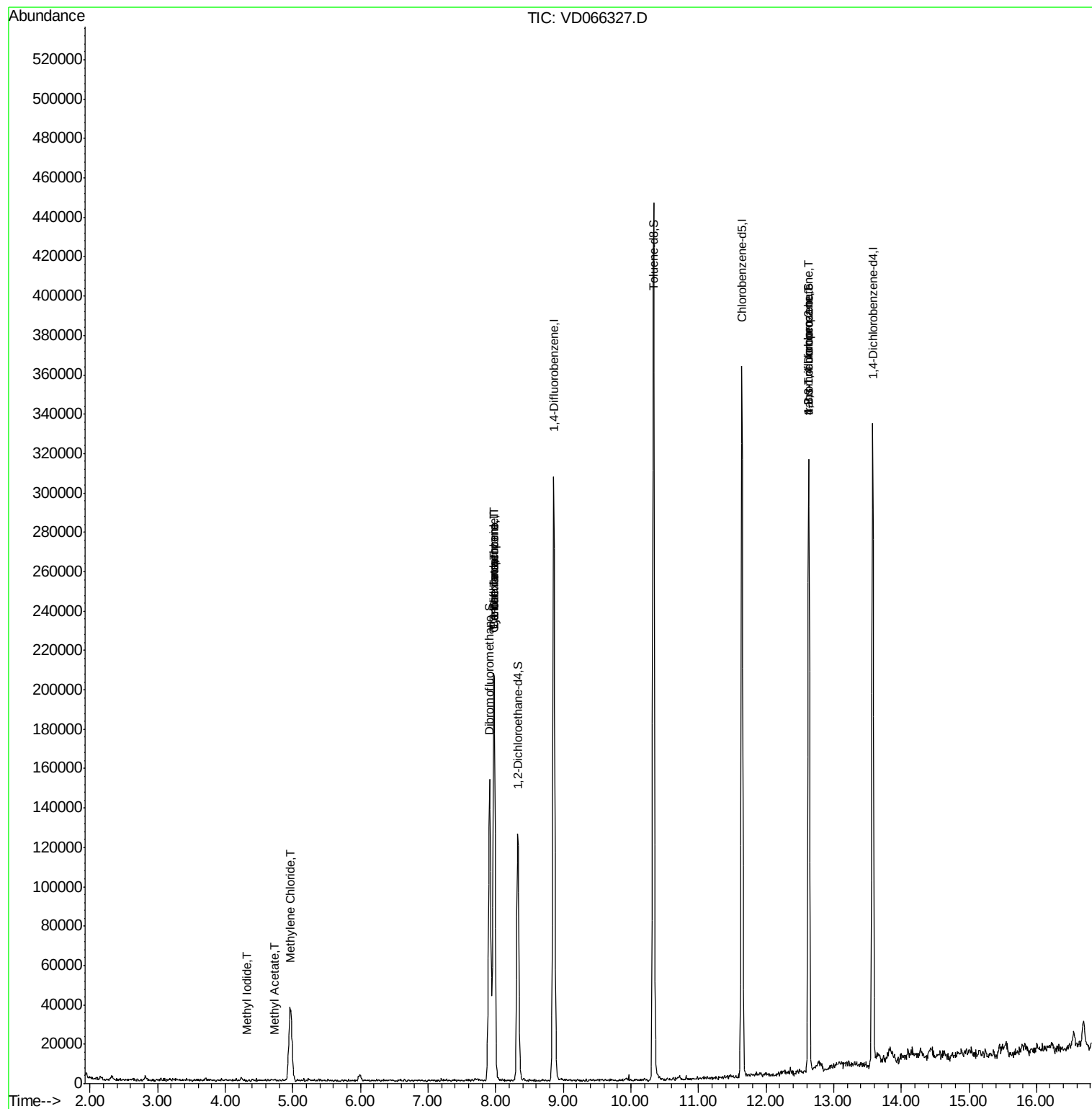
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	162467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	269893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	208028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	87966	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	105003	72.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	144.88%	
35) Dibromofluoromethane	7.91	113	108810	63.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.28%	
50) Toluene-d8	10.34	98	296087	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.63	95	98372	43.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.50%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.31	142	124	6.789	ug/l #	39
11) Tert butyl alcohol	5.23	59	269	Below Cal	#	76
18) Methyl Acetate	4.74	43	763	1.092	ug/l #	48
20) Methylene Chloride	4.96	84	29698	15.593	ug/l	98
31) Cyclohexane	7.98	56	3396	1.337	ug/l #	54
36) 1,1-Dichloropropene	7.98	75	11370	4.483	ug/l #	53
38) Carbon Tetrachloride	7.97	117	15226	5.384	ug/l #	10
76) 1,2,3-Trichloropropane	12.63	75	52141	71.078	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	52141	157.122	ug/l #	13

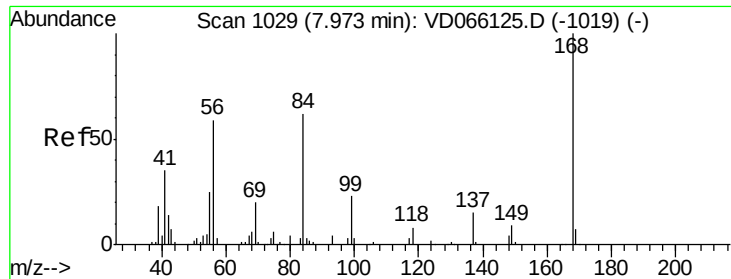
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066327.D

Acq: 19 Aug 2020 19:07

Instrument :

MSVOA_D

ClientSampleId :

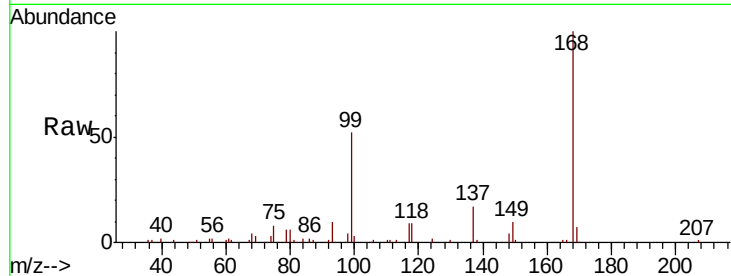
V-23615

Tot Ion:168 Resp: 162467

Ion Ratio Lower Upper

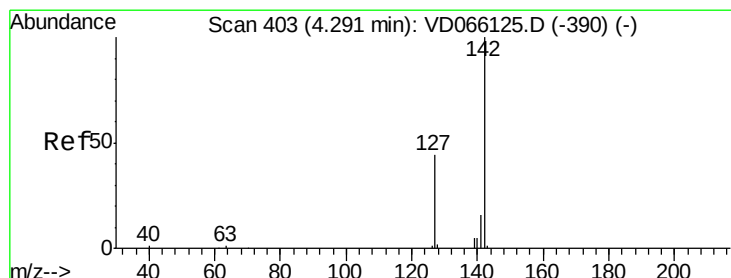
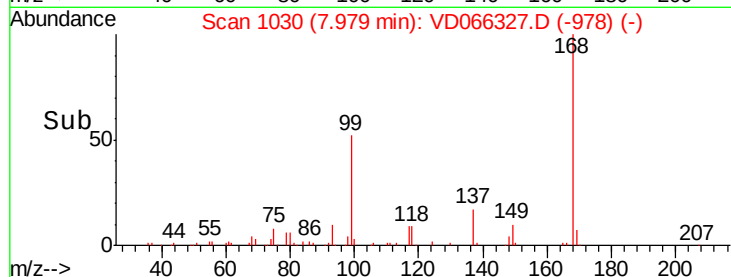
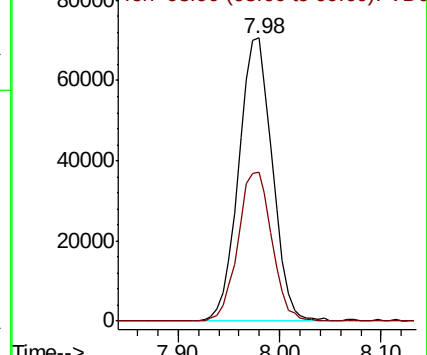
168 100

99 52.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 6.789 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD066327.D

Acq: 19 Aug 2020 19:07

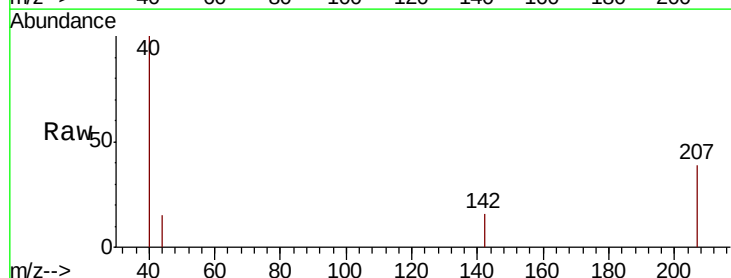
Tgt Ion:142 Resp: 124

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

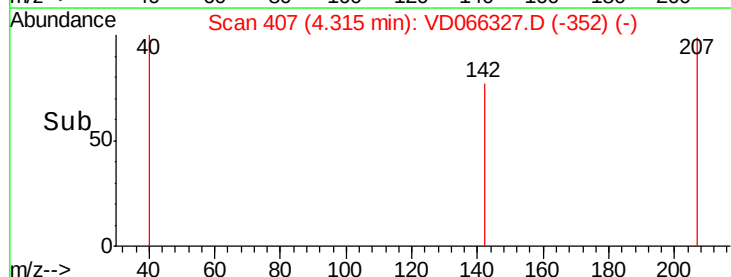
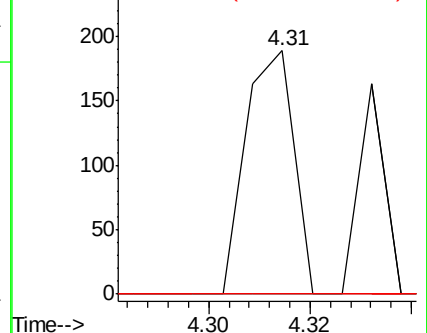
141 0.0 12.6 18.8#

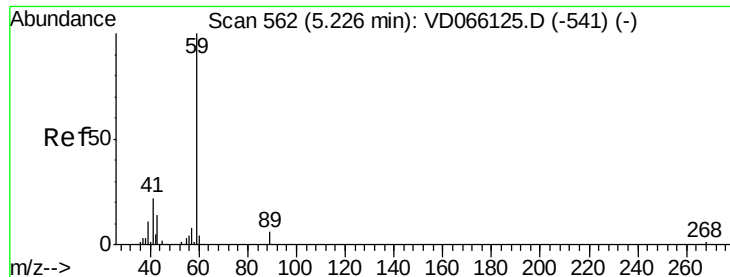


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

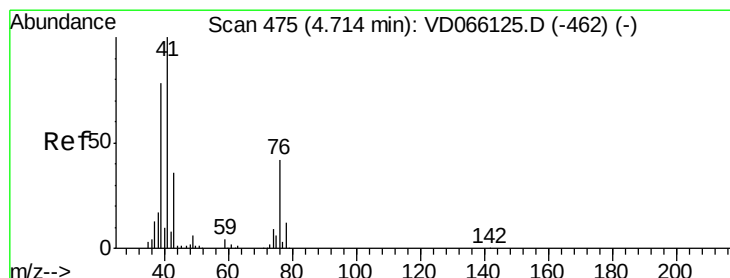
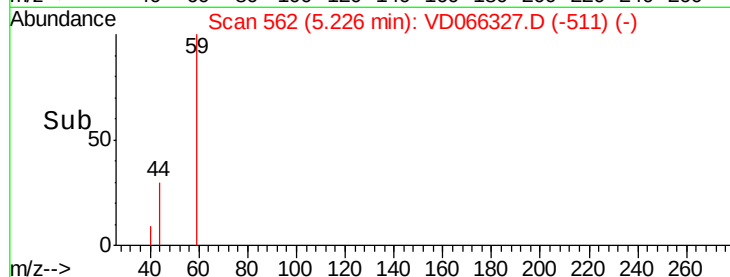
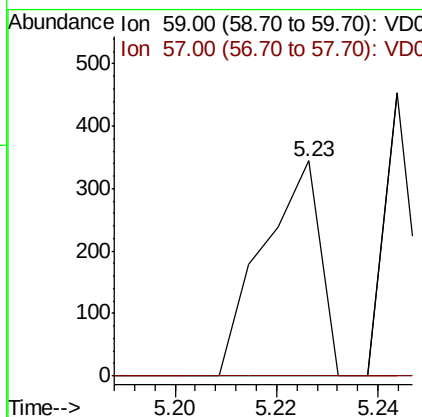
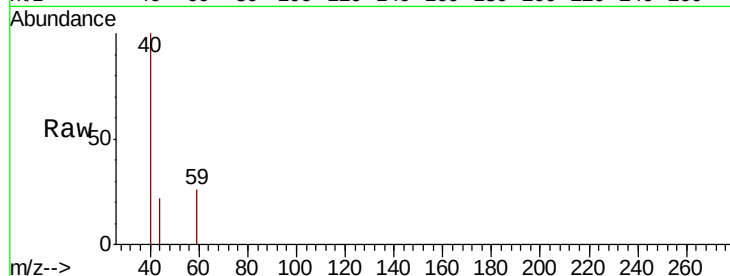




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066327.D
Acq: 19 Aug 2020 19:07

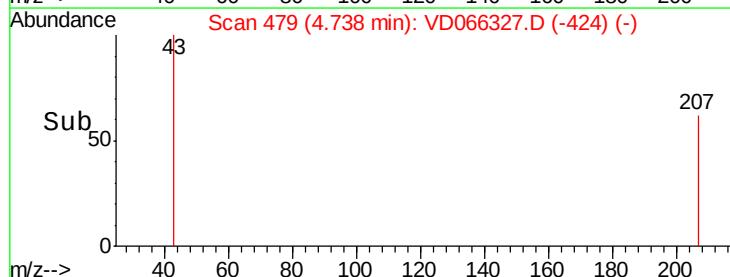
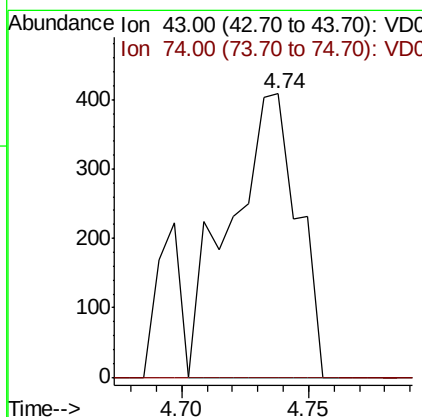
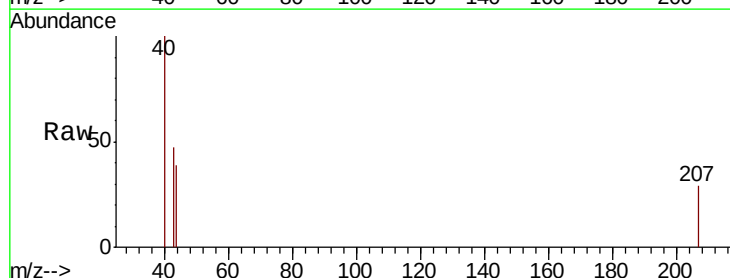
Instrument :
MSVOA_D
ClientSampled :
V-23615

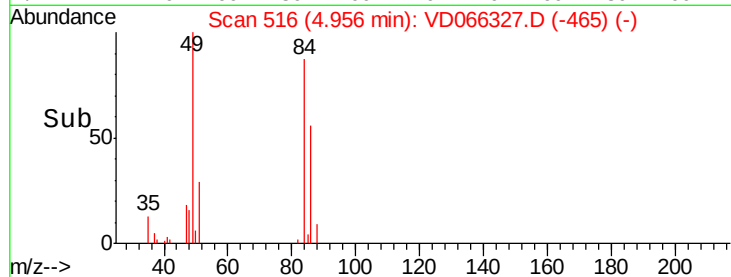
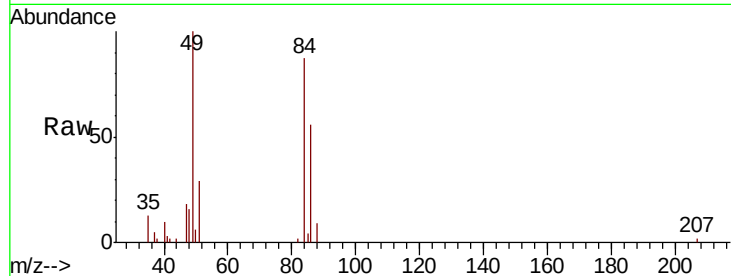
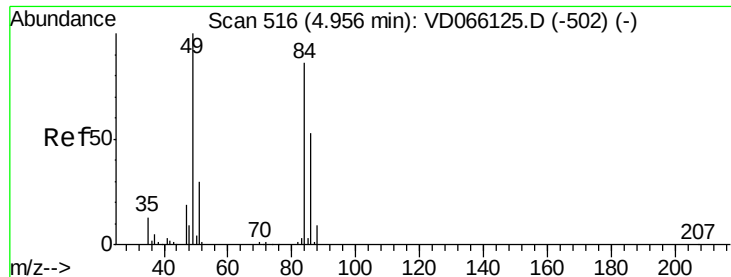
Tot Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 1.092 ug/l
RT: 4.74 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD066327.D
Acq: 19 Aug 2020 19:07

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#

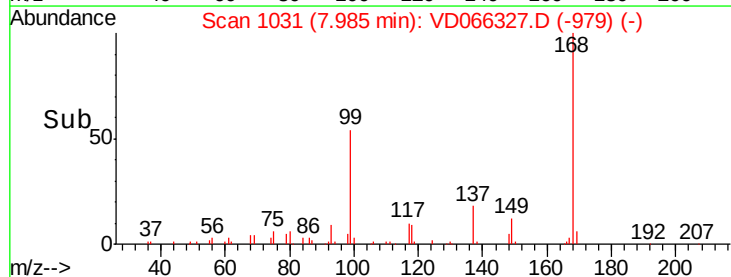
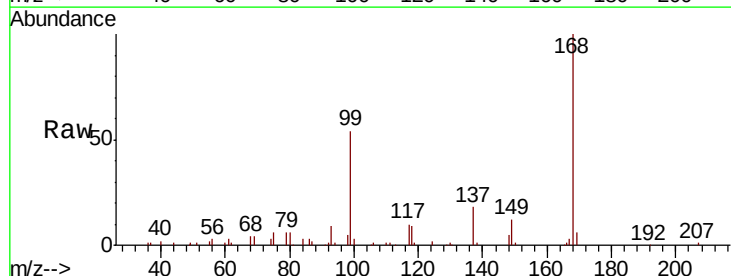
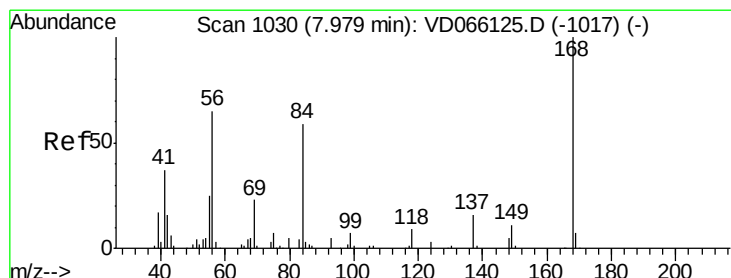
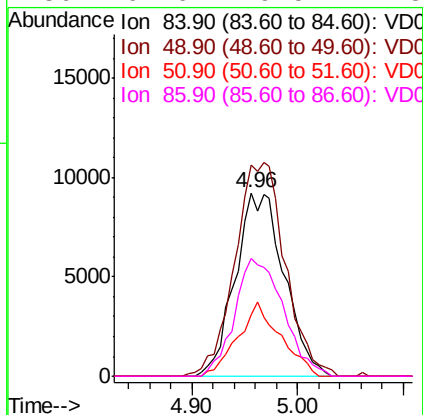




#20
Methylene Chloride
Concen: 15.593 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066327.D
Acq: 19 Aug 2020 19:07

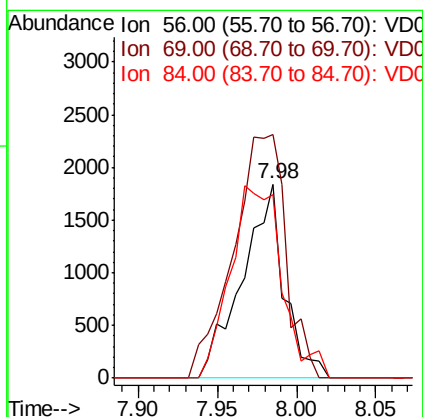
Instrument :
MSVOA_D
ClientSampleId :
V-23615

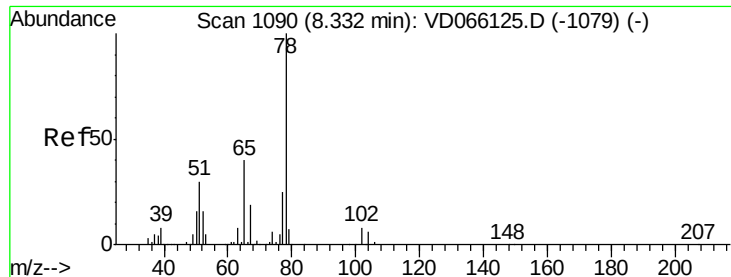
Tot Ion: 84	Resp: 29698
Ion Ratio	Lower Upper
84 100	
49 115.3	93.5 140.3
51 33.6	28.2 42.4
86 64.6	49.5 74.3



#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066327.D
Acq: 19 Aug 2020 19:07

Tgt	Ion: 56	Resp:	3396
Ion	Ratio	Lower	Upper
56	100		
69	125.7	28.8	43.2#
84	94.5	73.0	109.6

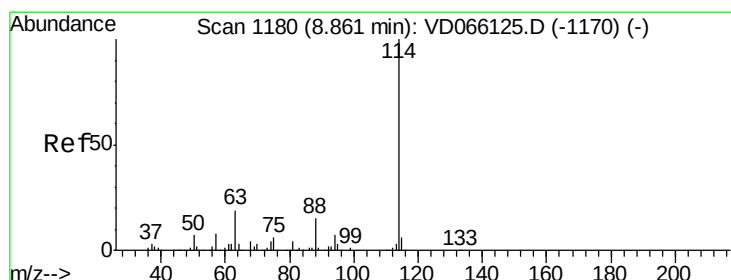
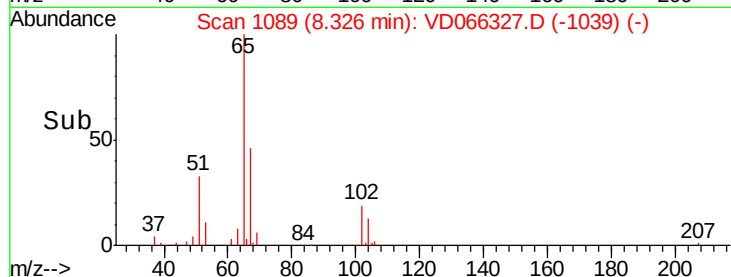
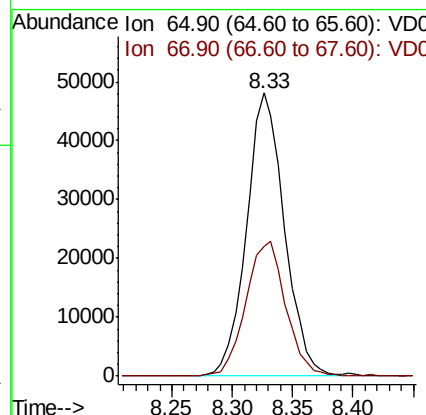
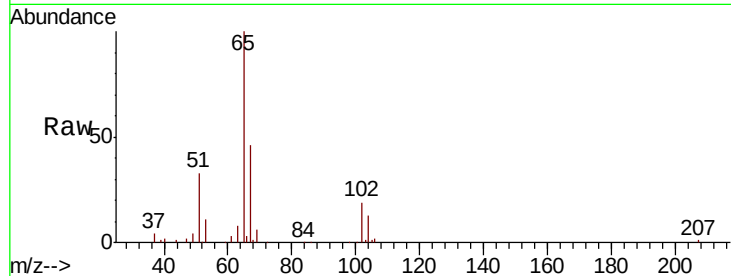




#33
 1,2-Dichloroethane-d4
 Concen: 72.443 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066327.D
 Acq: 19 Aug 2020 19:07

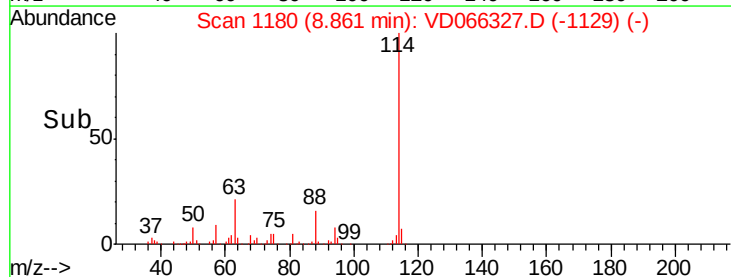
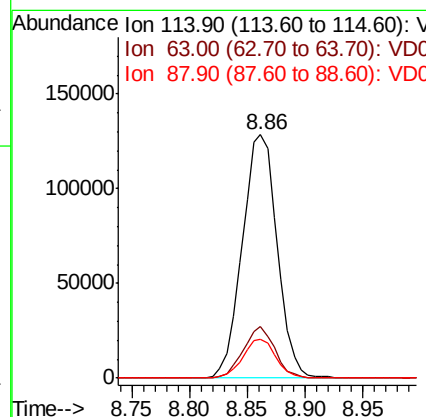
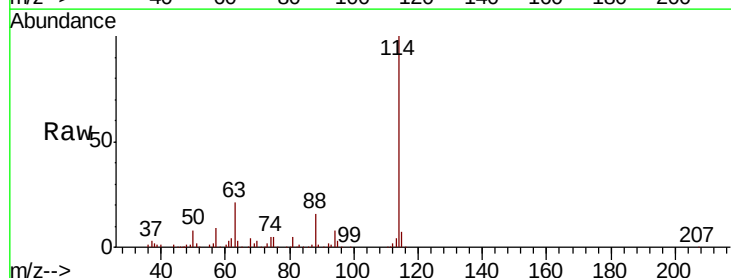
Instrument :
 MSVOA_D
 ClientSampleId :
 V-23615

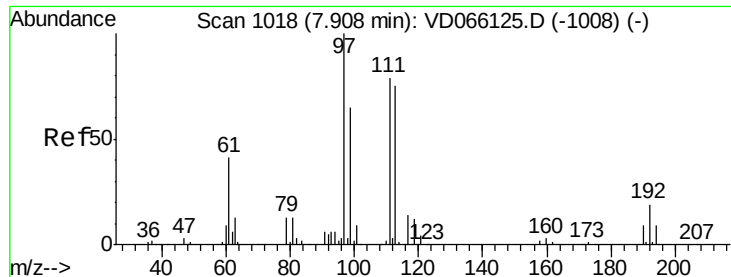
Tot Ion: 65 Resp: 105003
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066327.D
 Acq: 19 Aug 2020 19:07

Tgt Ion: 114 Resp: 269893
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.6
 88 15.7 0.0 30.0

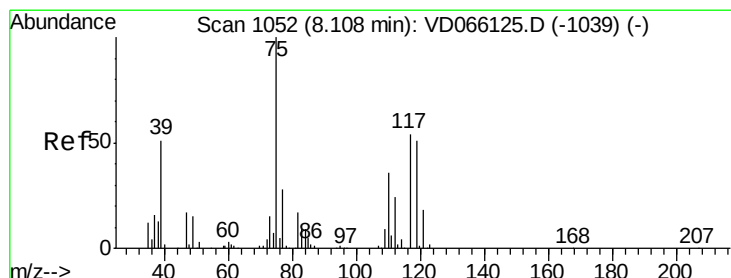
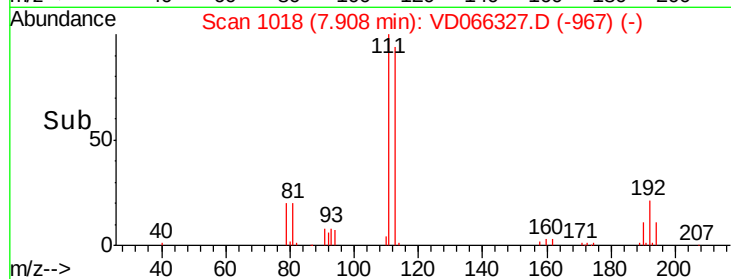
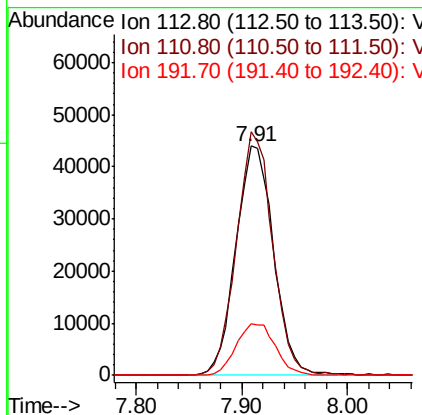
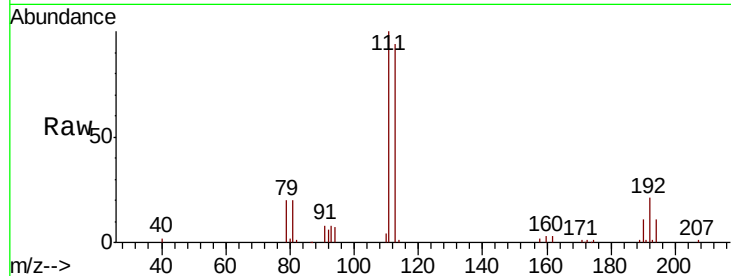




#35
 Dibromofluoromethane
 Concen: 63.641 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066327.D
 Acq: 19 Aug 2020 19:07

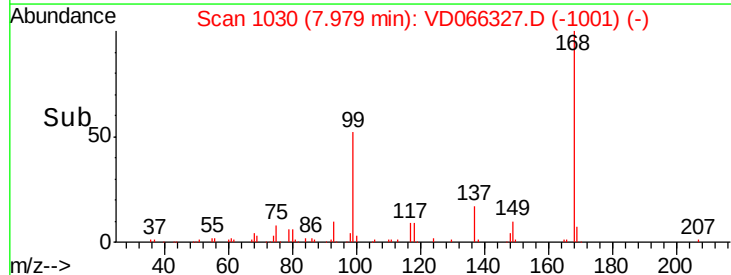
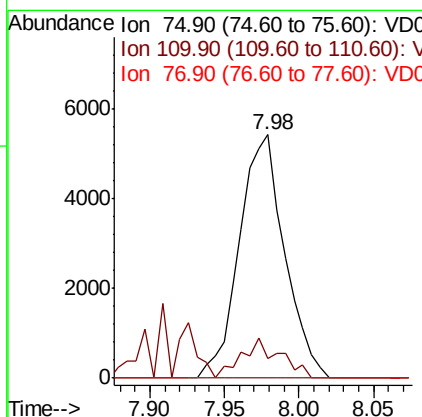
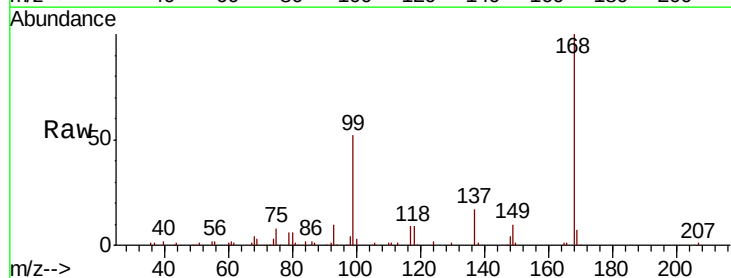
Instrument :
 MSVOA_D
 ClientSampled :
 V-23615

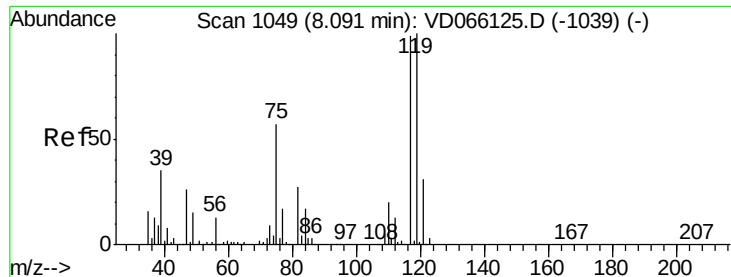
Tot Ion:113 Resp: 108810
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.7 121.1
 192 23.3 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066327.D
 Acq: 19 Aug 2020 19:07

Tgt Ion: 75 Resp: 11370
 Ion Ratio Lower Upper
 75 100
 110 13.8 18.8 56.3#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.384 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066327.D

Acq: 19 Aug 2020 19:07

Instrument :

MSVOA_D

ClientSampleId :

V-23615

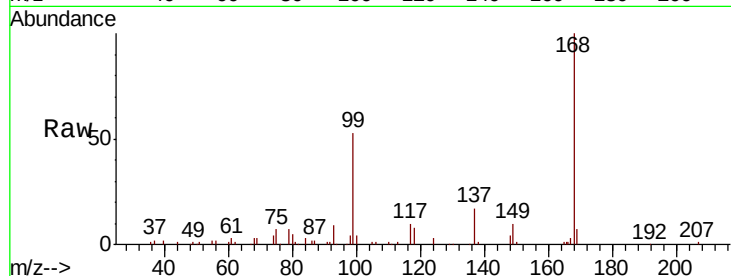
Tot Ion:117 Resp: 15226

Ion Ratio Lower Upper

117 100

119 0.0 81.0 121.4#

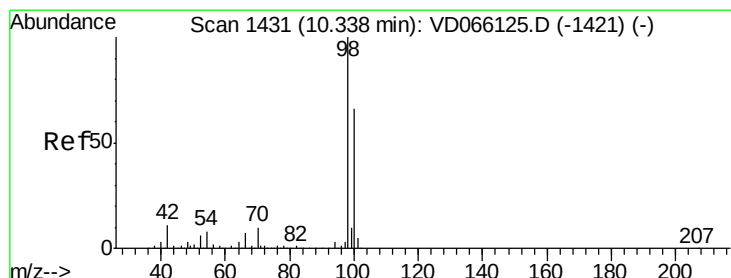
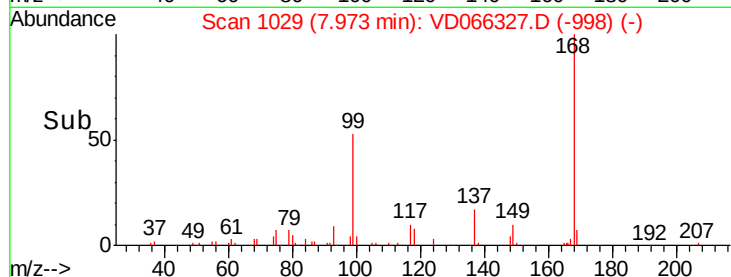
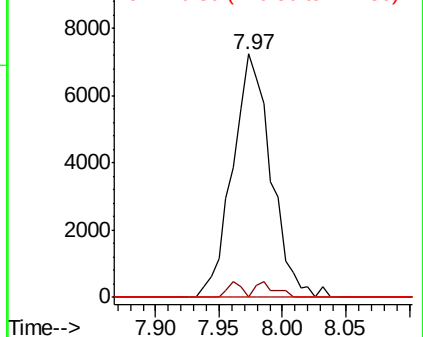
121 0.0 24.8 37.2#



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: 46.928 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066327.D

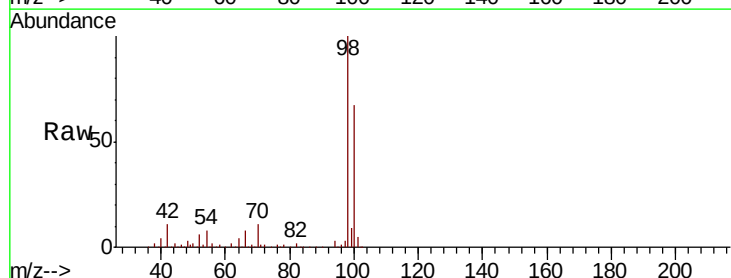
Acq: 19 Aug 2020 19:07

Tgt Ion: 98 Resp: 296087

Ion Ratio Lower Upper

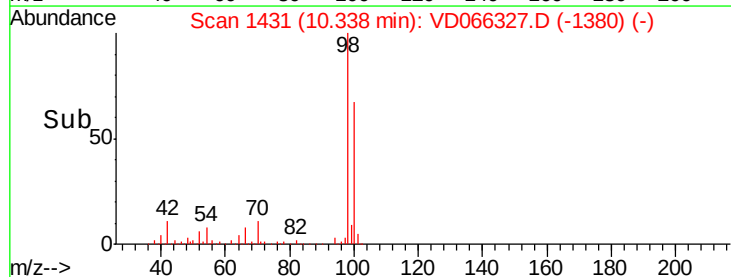
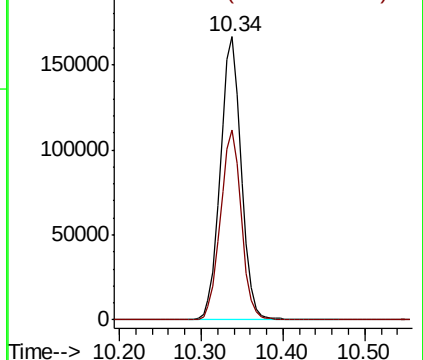
98 100

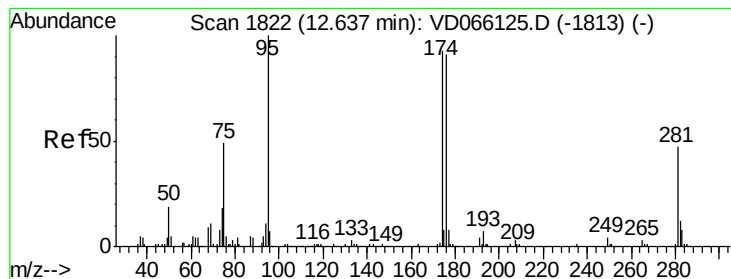
100 66.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.254 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066327.D

Acq: 19 Aug 2020 19:07

Instrument :

MSVOA_D

ClientSampleId :

V-23615

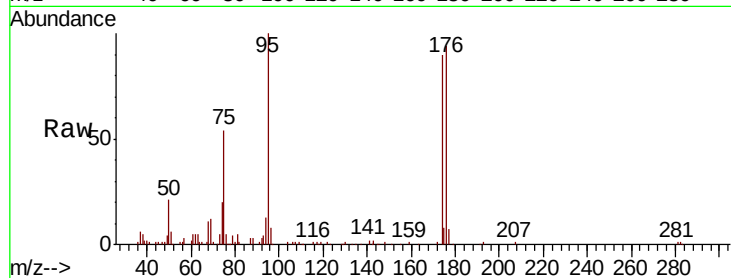
Tot Ion: 95 Resp: 98372

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.8

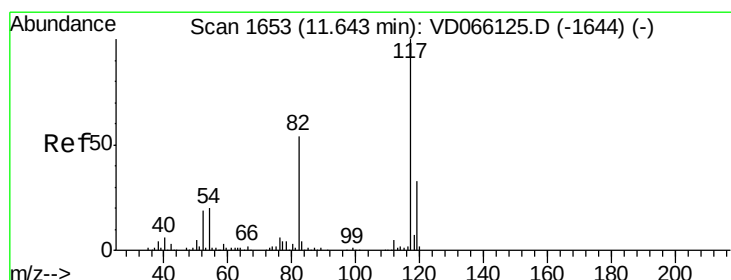
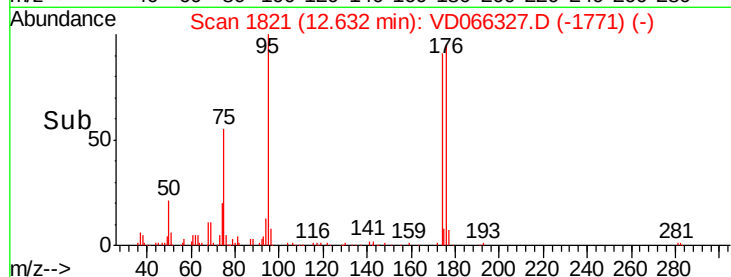
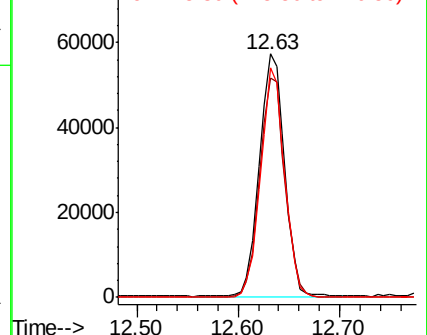
176 89.8 0.0 181.2



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: VD066327.D

Acq: 19 Aug 2020 19:07

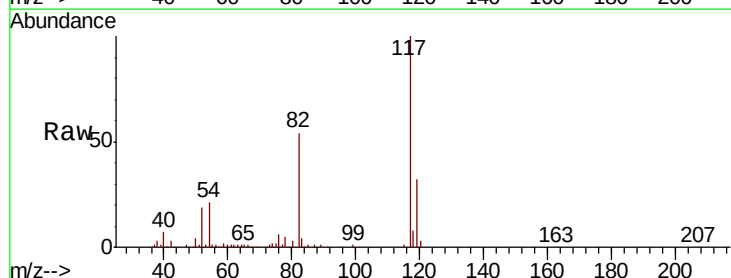
Tgt Ion: 117 Resp: 208028

Ion Ratio Lower Upper

117 100

82 54.2 43.0 64.4

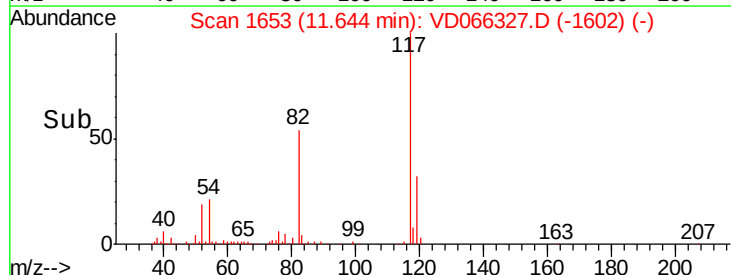
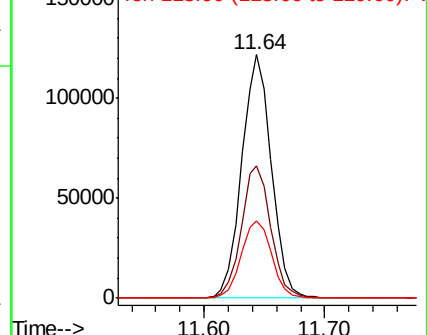
119 31.5 26.1 39.1

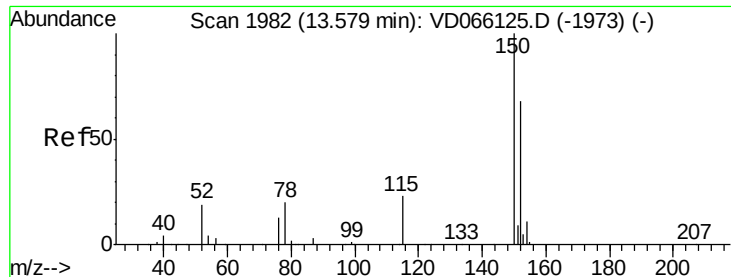


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

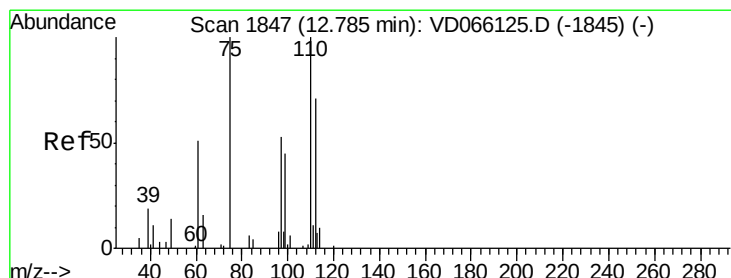
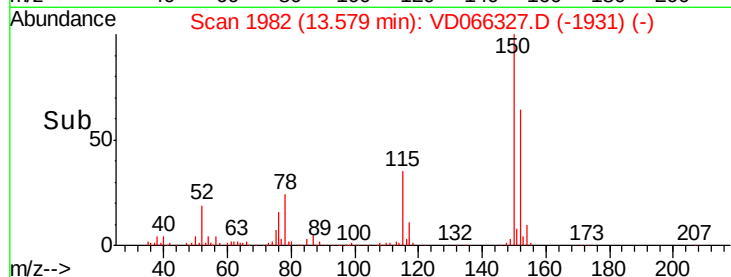
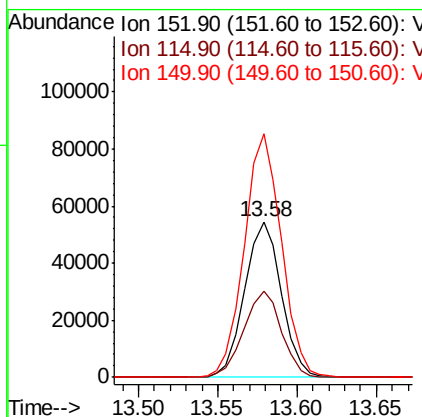
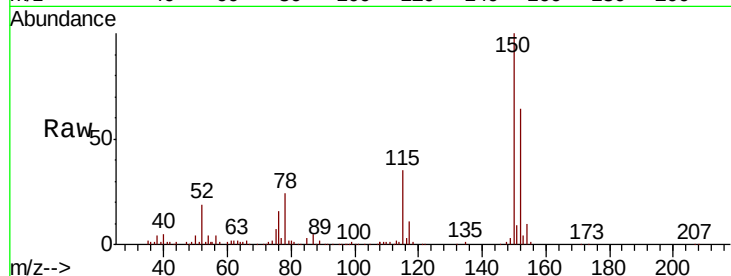




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066327.D
 Acq: 19 Aug 2020 19:07

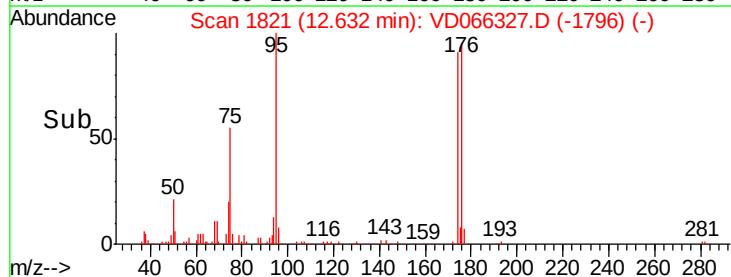
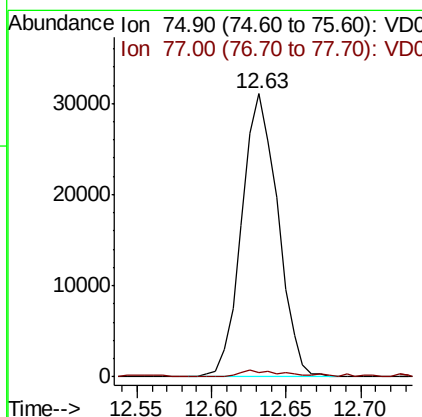
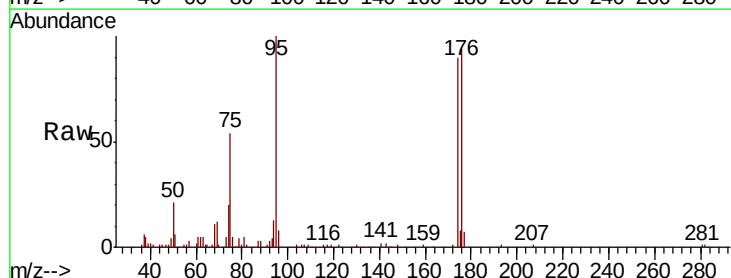
Instrument :
 MSVOA_D
 ClientSampleId :
 V-23615

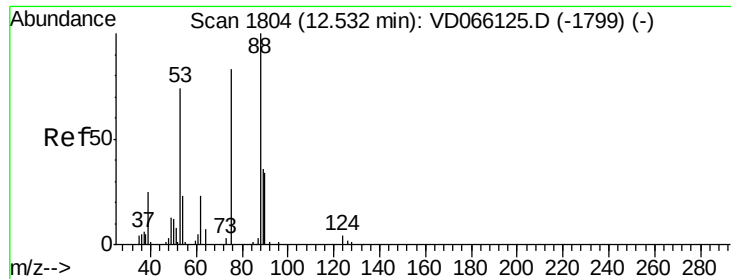
Tot Ion:152 Resp: 87966
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.0 83.9
 150 157.9 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 71.078 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066327.D
 Acq: 19 Aug 2020 19:07

Tgt Ion: 75 Resp: 52141
 Ion Ratio Lower Upper
 75 100
 77 3.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.122 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066327.D
 Acq: 19 Aug 2020 19:07

Instrument :
 MSVOA_D
 ClientSampleId :
 V-23615

Tot Ion: 75 Resp: 52141
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.2#
 89 0.0 36.6 55.0#

