

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081720\
 Data File : VD066251.D
 Acq On : 17 Aug 2020 12:10
 Operator : VA/SY
 Sample : VD0817SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VD0817SBL01

Quant Time: Aug 17 14:02:27 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	261073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	400034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	372222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	180083	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	132546	56.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.82%	
35) Dibromofluoromethane	7.91	113	132770	52.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.78%	
50) Toluene-d8	10.34	98	471691	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.63	95	167155	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	

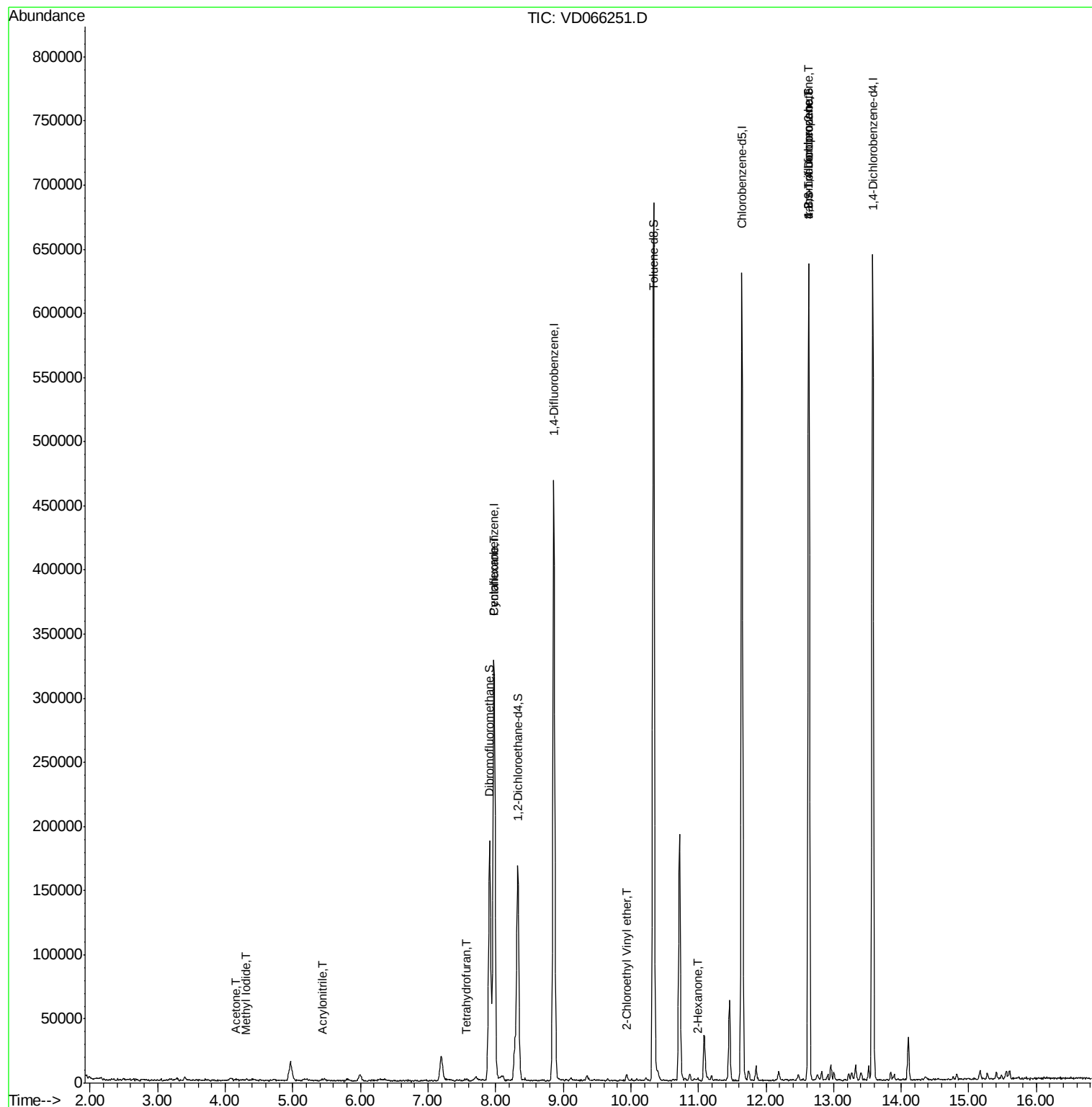
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	1246	7.195	ug/l #	81
11) Tert butyl alcohol	5.19	59	1814	Below Cal	#	76
15) Acrylonitrile	5.44	53	553	1.126	ug/l #	23
16) Acetone	4.16	43	2337	5.288	ug/l #	72
20) Methylene Chloride	4.96	84	10038	Below Cal		96
29) Tetrahydrofuran	7.56	42	824	2.046	ug/l #	51
31) Cyclohexane	7.97	56	6674	1.636	ug/l #	56
58) 2-Chloroethyl Vinyl ether	9.94	63	2007	1.836	ug/l #	84
59) 2-Hexanone	10.99	43	1177	1.113	ug/l	90
76) 1,2,3-Trichloropropane	12.63	75	84625	56.350	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	84625	124.566	ug/l #	13

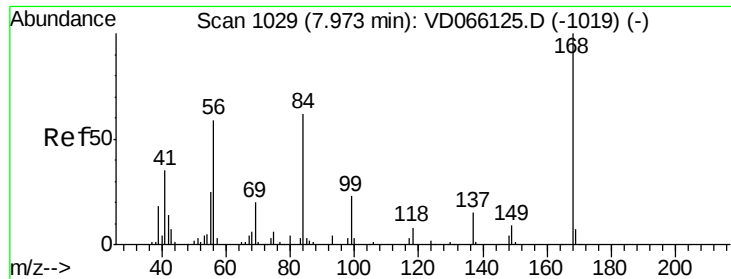
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066251.D

Acq: 17 Aug 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

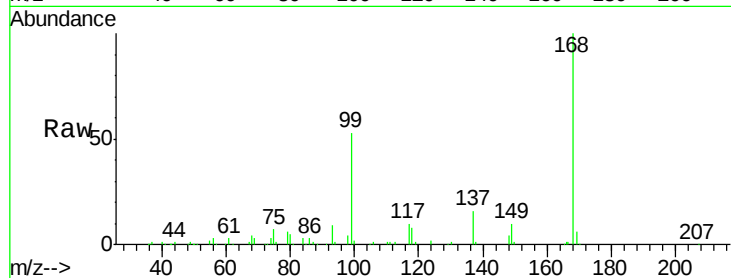
VD0817SBL01

Tgt Ion:168 Resp: 261073

Ion Ratio Lower Upper

168 100

99 53.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

120000

100000

80000

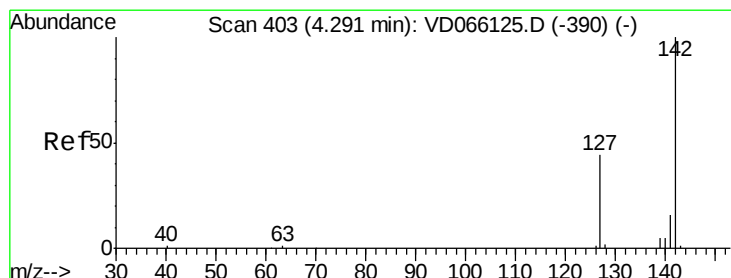
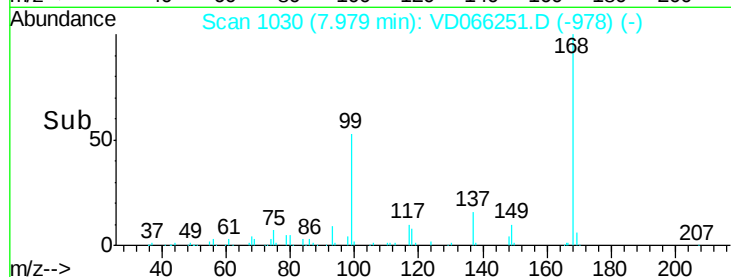
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 7.195 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066251.D

Acq: 17 Aug 2020 12:10

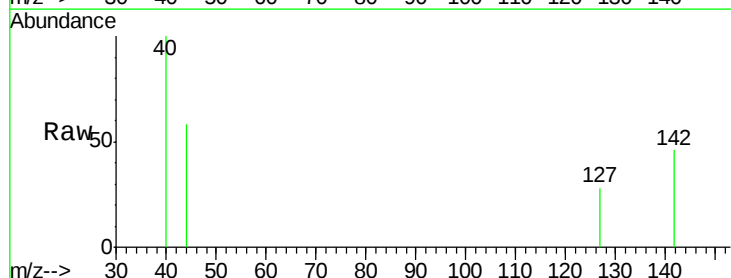
Tgt Ion:142 Resp: 1246

Ion Ratio Lower Upper

142 100

127 36.8 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

4.30

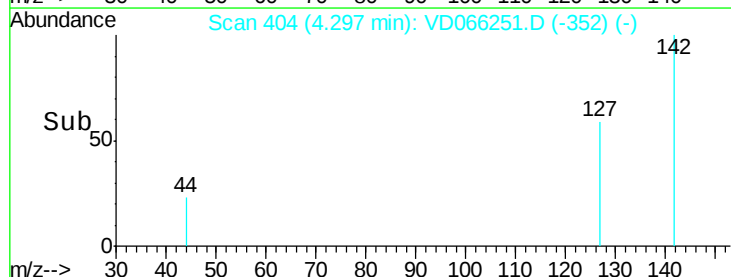
600

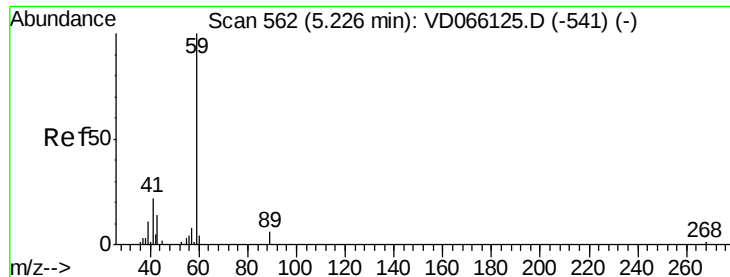
400

200

0

Time-->

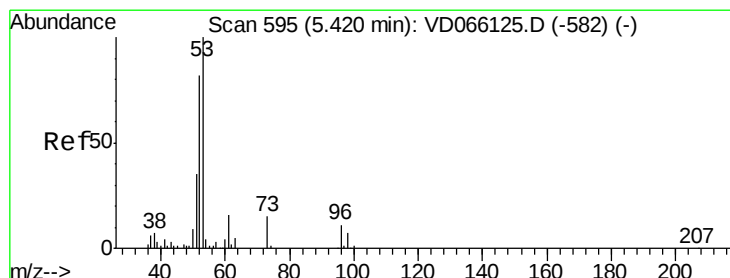
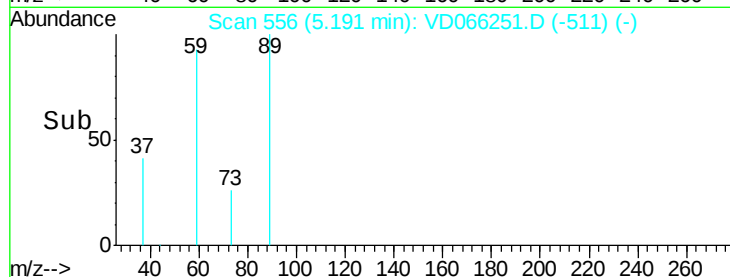
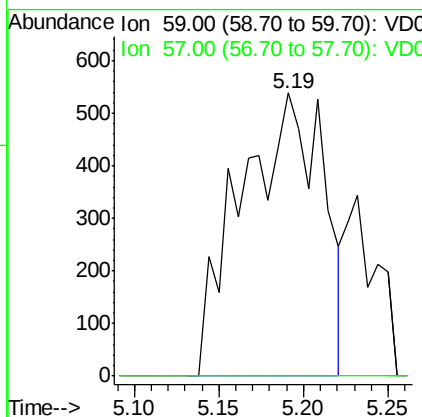
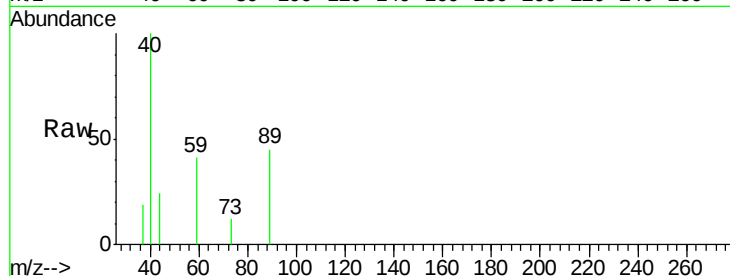




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 556
Delta R.T. -0.04 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

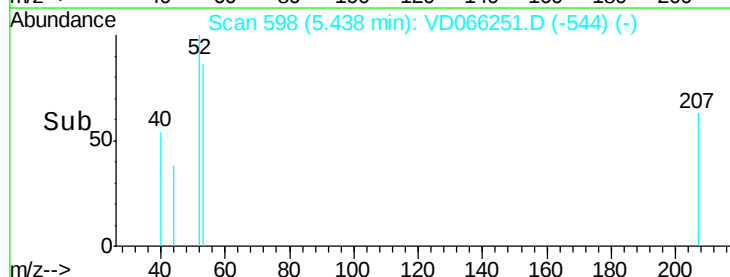
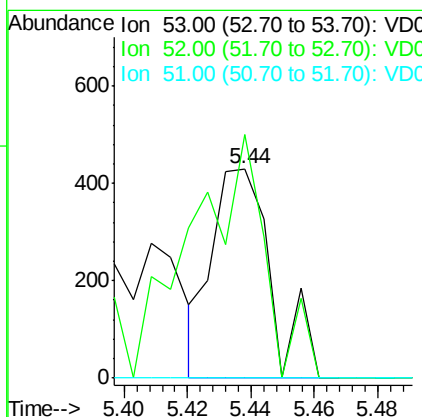
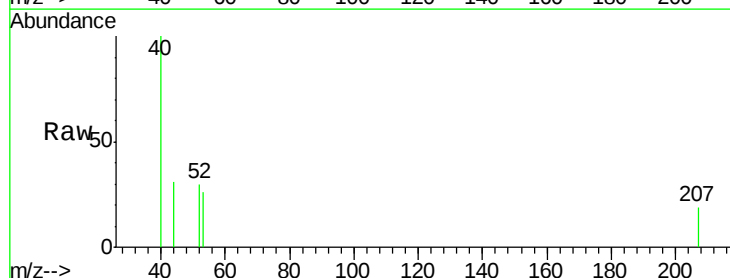
Instrument :
MSVOA_N
ClientSampleId :
VD0817SBL01

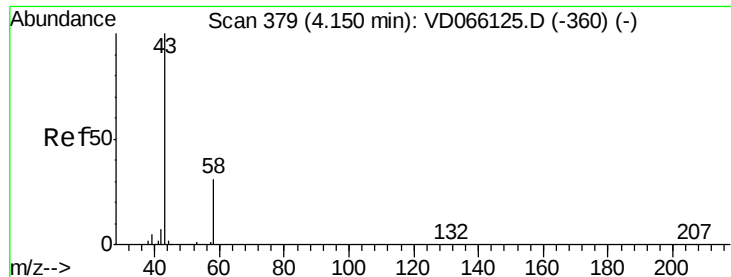
Tgt Ion: 59 Resp: 1814
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#15
Acrylonitrile
Concen: 1.126 ug/l
RT: 5.44 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

Tgt Ion: 53 Resp: 553
Ion Ratio Lower Upper
53 100
52 157.9 66.1 99.1#
51 0.0 30.8 46.2#





#16

Acetone

Concen: 5.288 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066251.D

Acq: 17 Aug 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

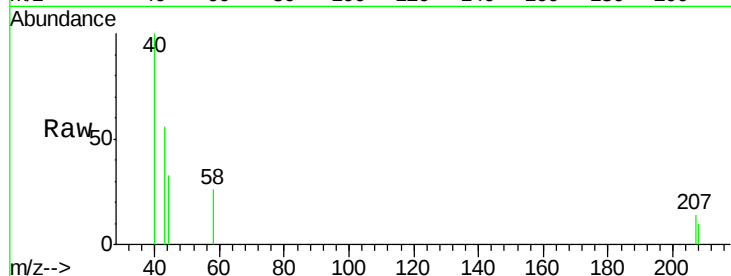
VD0817SBL01

Tgt Ion: 43 Resp: 2337

Ion Ratio Lower Upper

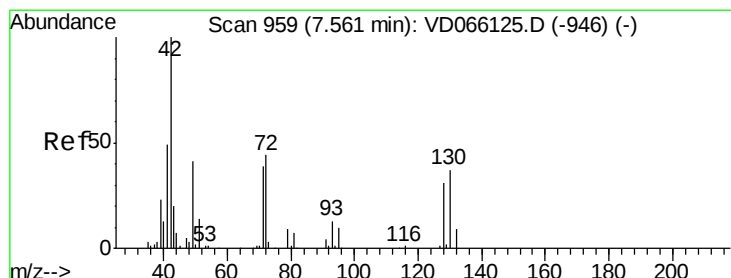
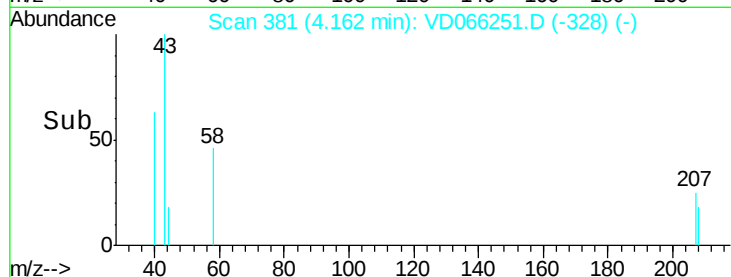
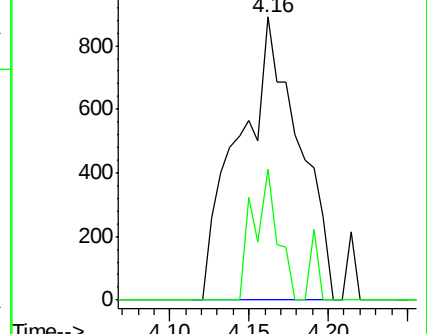
43 100

58 46.1 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#29

Tetrahydrofuran

Concen: 2.046 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066251.D

Acq: 17 Aug 2020 12:10

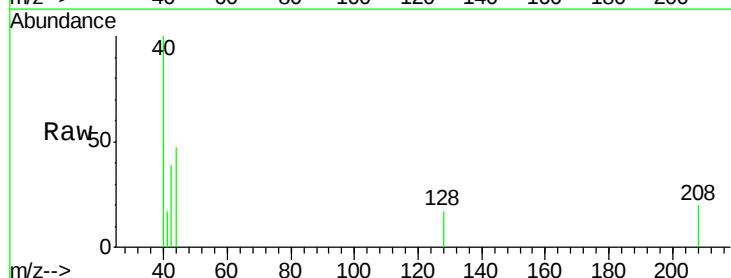
Tgt Ion: 42 Resp: 824

Ion Ratio Lower Upper

42 100

72 15.9 34.8 52.2#

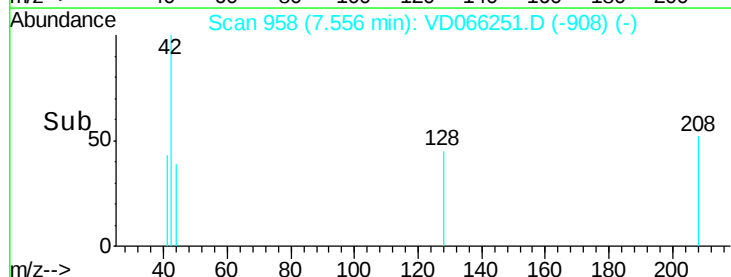
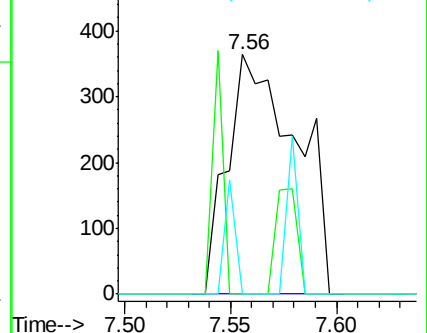
71 7.4 33.5 50.3#

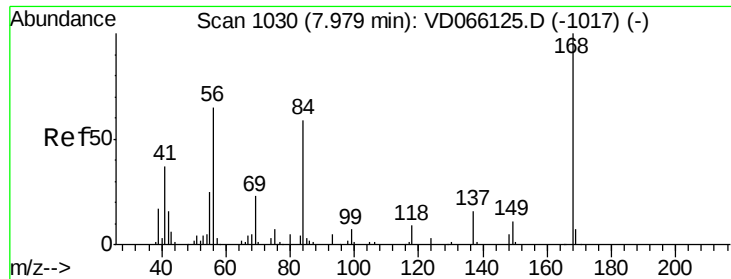


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

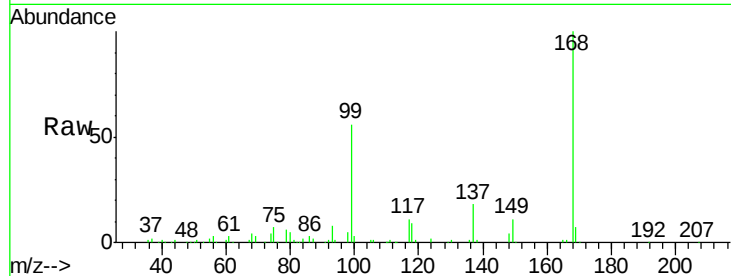




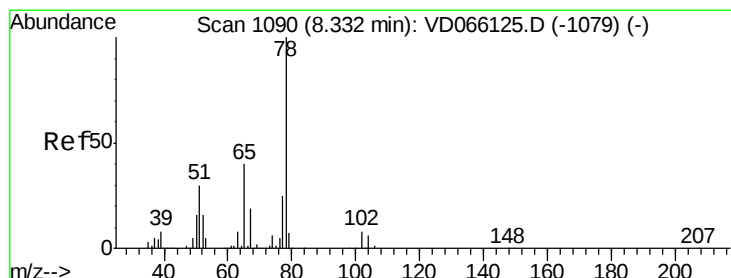
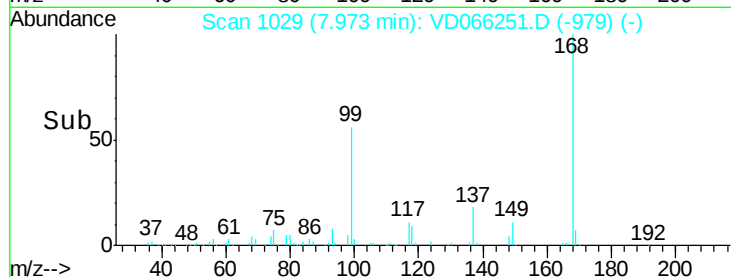
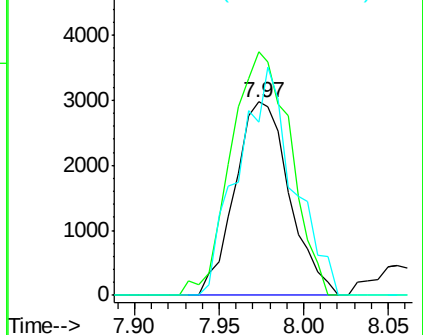
#31
Cyclohexane
Concen: 1.636 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

Instrument :
MSVOA_N
ClientSampleId :
VD0817SBL01

Tgt Ion: 56 Resp: 6674
Ion Ratio Lower Upper
56 100
69 125.7 28.8 43.2#
84 89.7 73.0 109.6

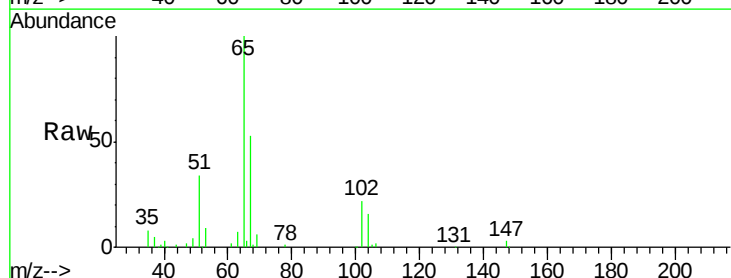


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

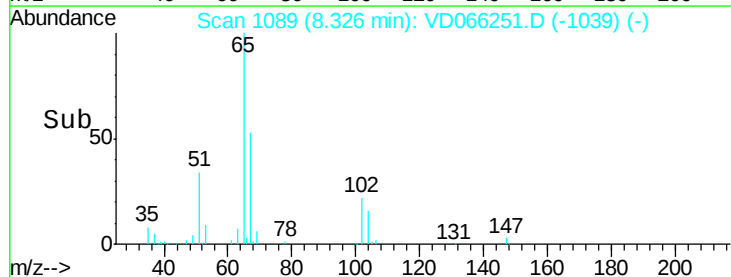
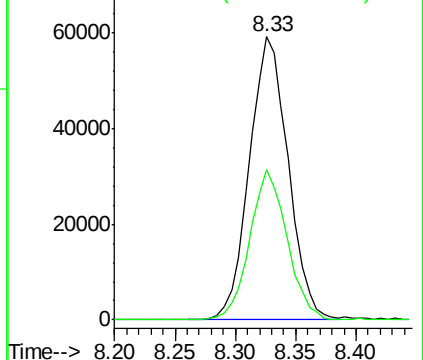


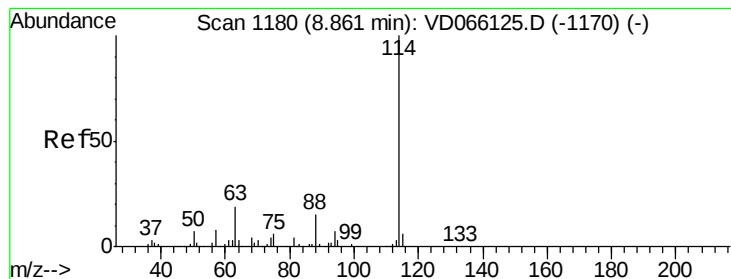
#33
1,2-Dichloroethane-d4
Concen: 56.907 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

Tgt Ion: 65 Resp: 132546
Ion Ratio Lower Upper
65 100
67 51.1 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: VD066251.D

Acq: 17 Aug 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

VD0817SBL01

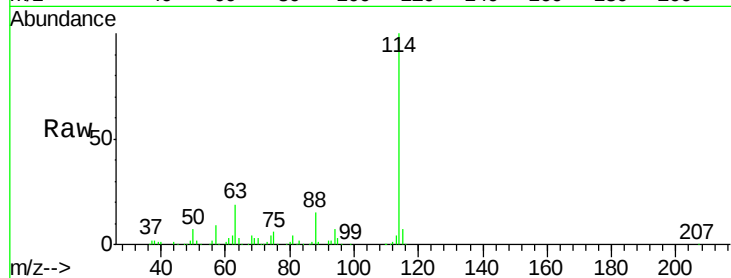
Tgt Ion:114 Resp: 400034

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

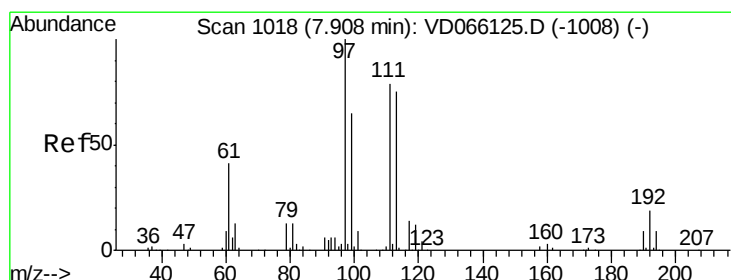
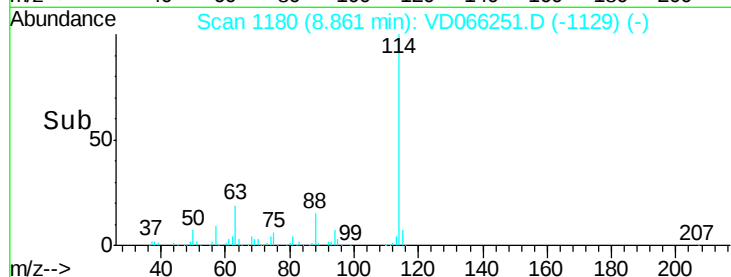
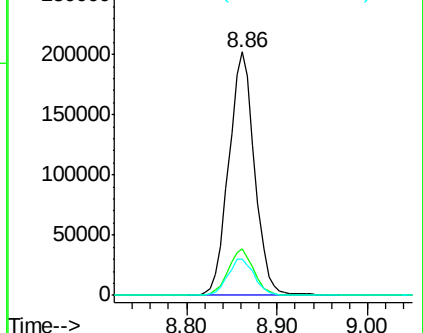
88 15.0 0.0 30.0



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: 52.392 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066251.D

Acq: 17 Aug 2020 12:10

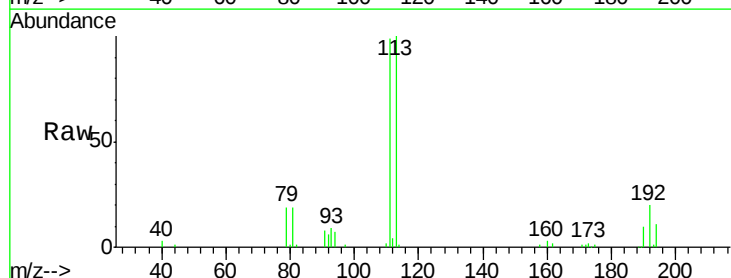
Tgt Ion:113 Resp: 132770

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

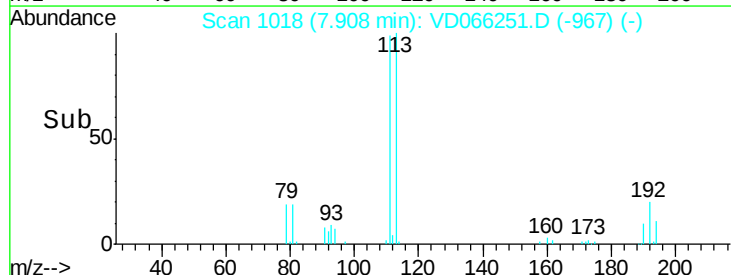
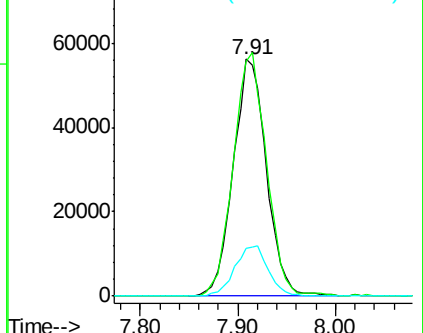
192 21.4 18.4 27.6

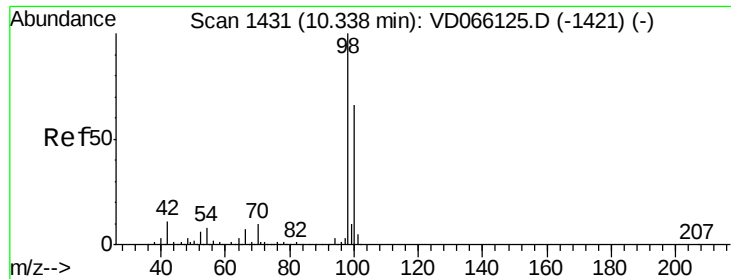


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

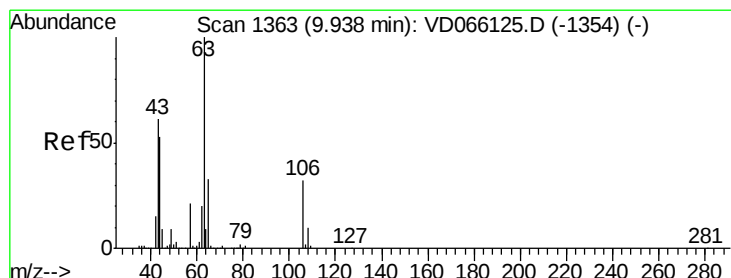
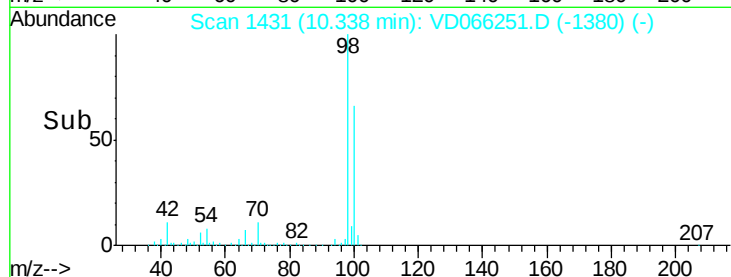
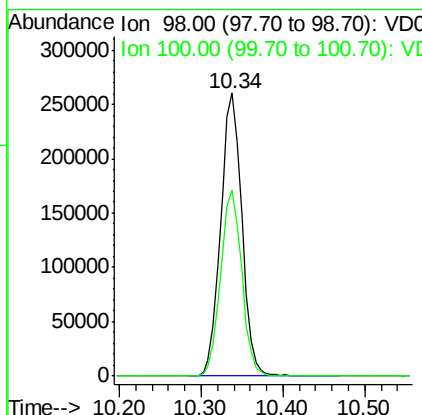
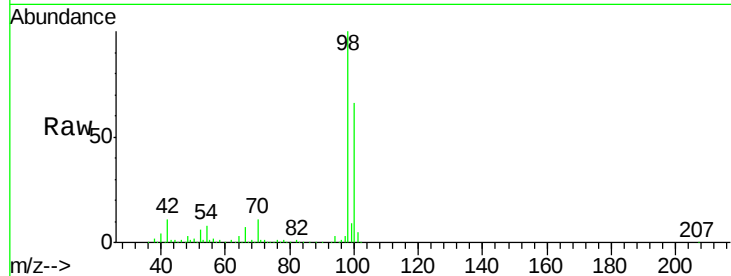




#50
Toluene-d8
Concen: 50.439 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

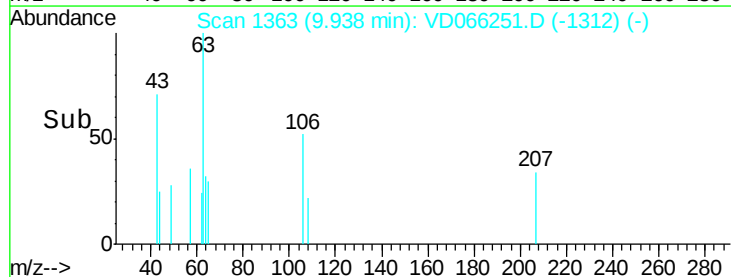
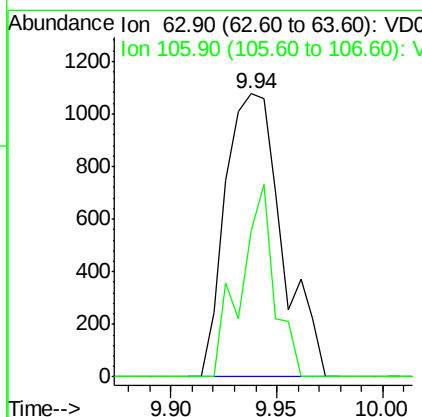
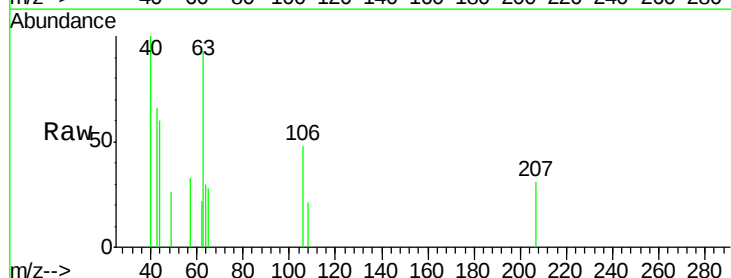
Instrument :
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VD0817SBL01

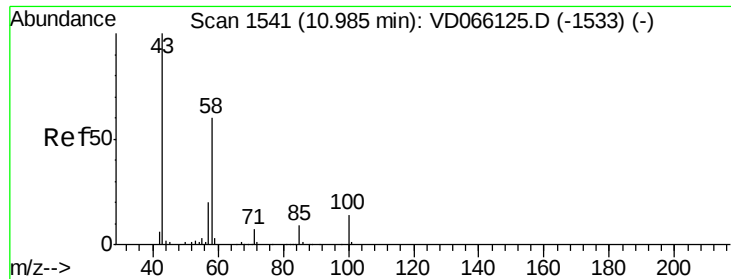
Tgt Ion: 98 Resp: 471691
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.836 ug/l
RT: 9.94 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

Tgt Ion: 63 Resp: 2007
Ion Ratio Lower Upper
63 100
106 40.5 25.3 37.9#

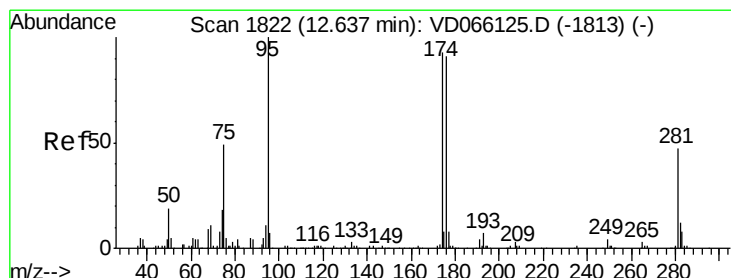
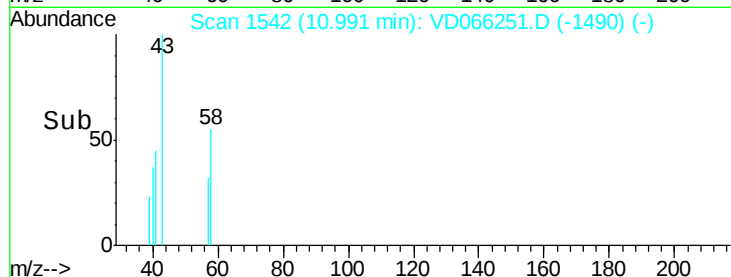
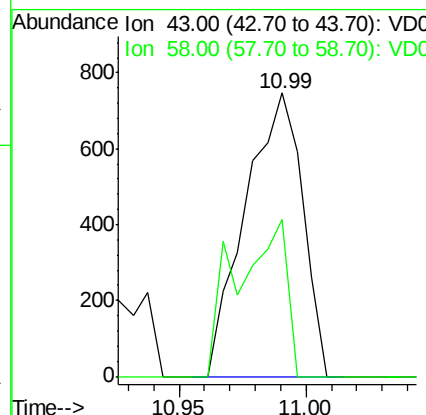
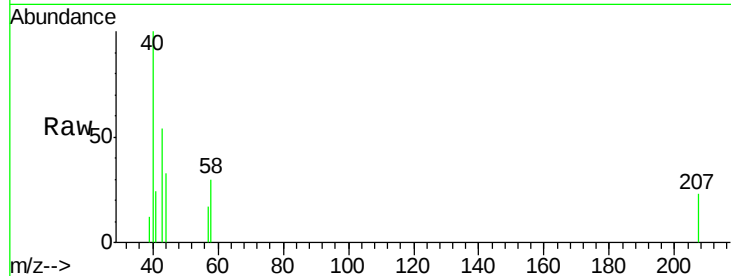




#59
2-Hexanone
Concen: 1.113 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

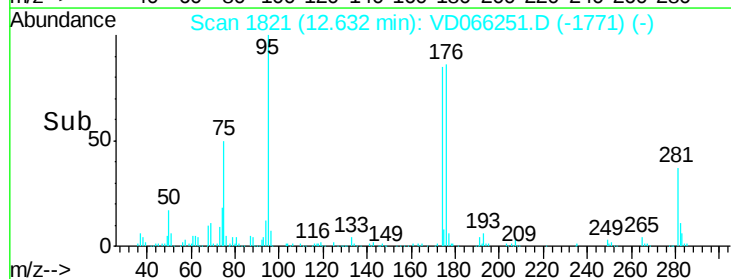
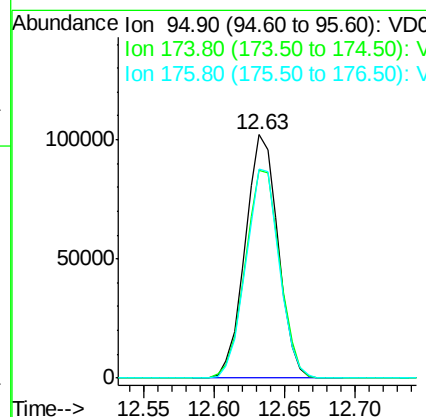
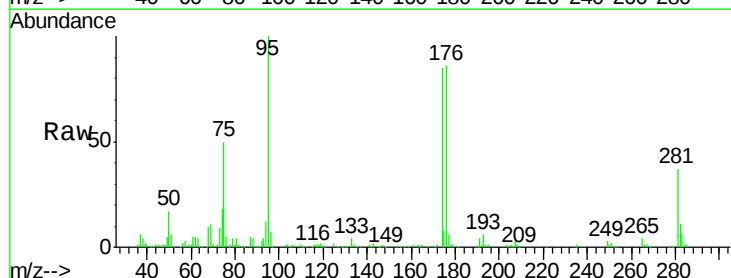
Instrument :
MSVOA_N
ClientSampleId :
VD0817SBL01

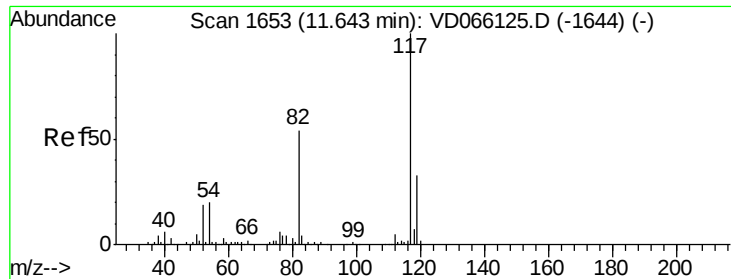
Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
58 48.4 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 49.587 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

Tgt Ion: 95 Resp: 167155
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.8
176 87.3 0.0 181.2

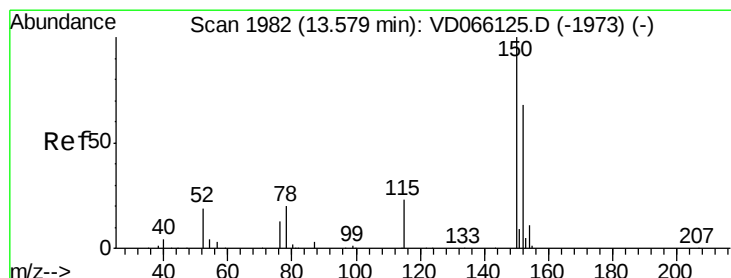
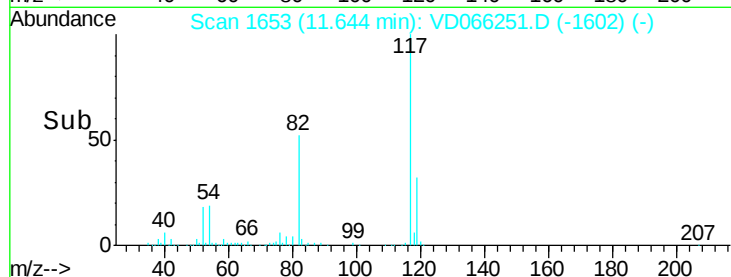
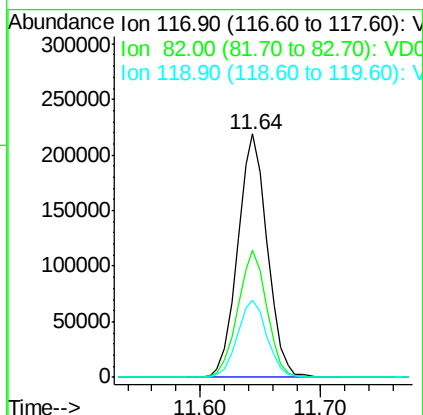
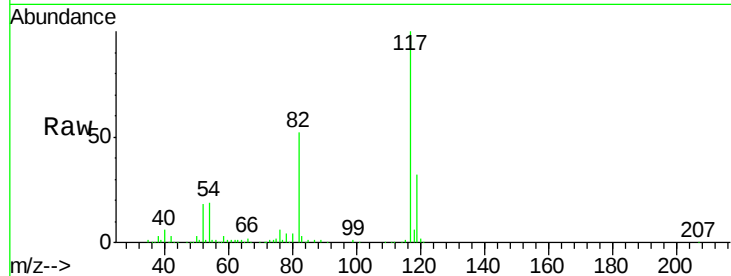




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

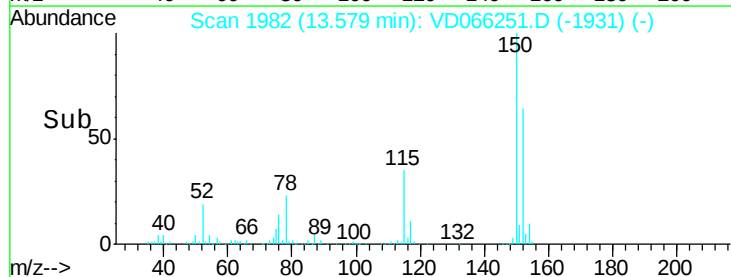
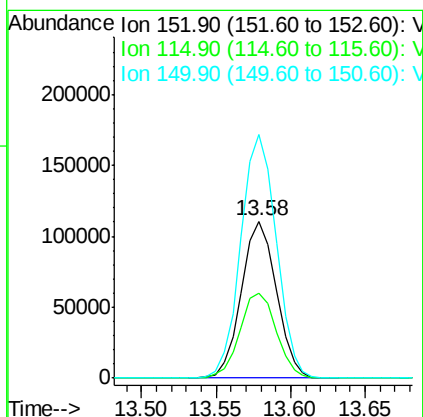
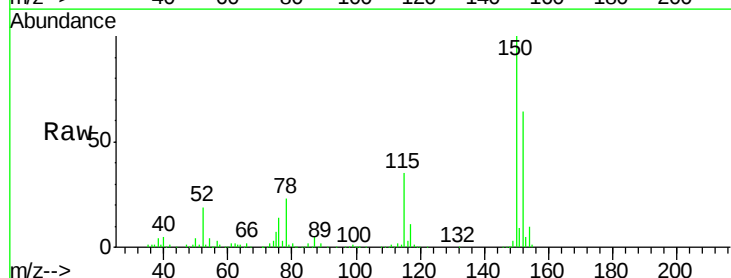
Instrument :
MSVOA_N
ClientSampleId :
VD0817SBL01

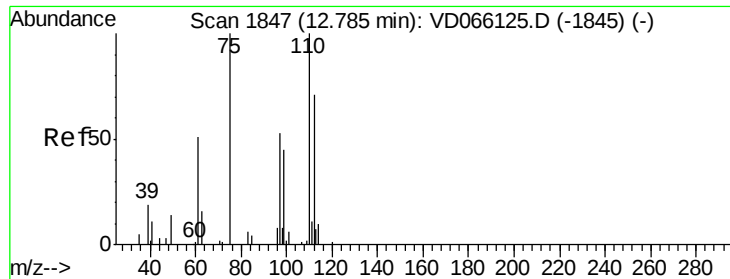
Tgt Ion:117 Resp: 372222
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066251.D
Acq: 17 Aug 2020 12:10

Tgt Ion:152 Resp: 180083
Ion Ratio Lower Upper
152 100
115 56.0 28.0 83.9
150 157.5 0.0 346.4

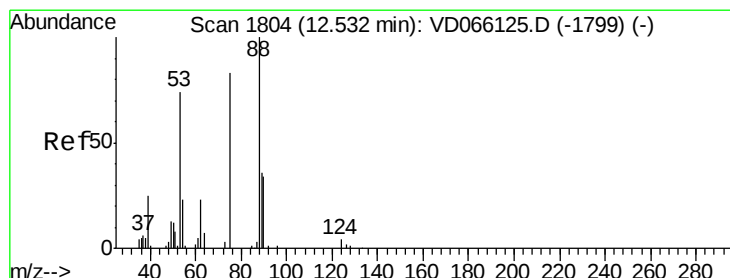
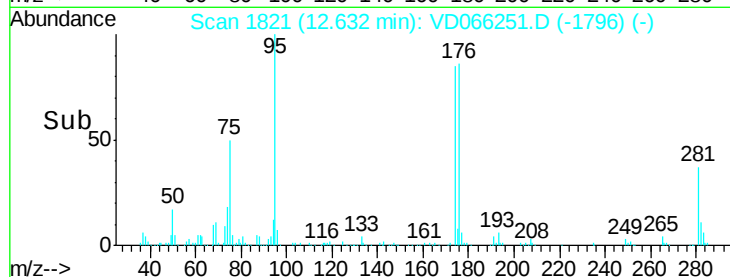
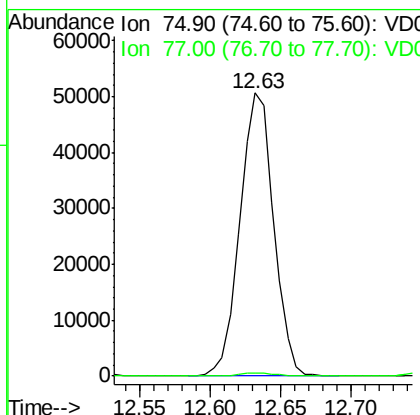
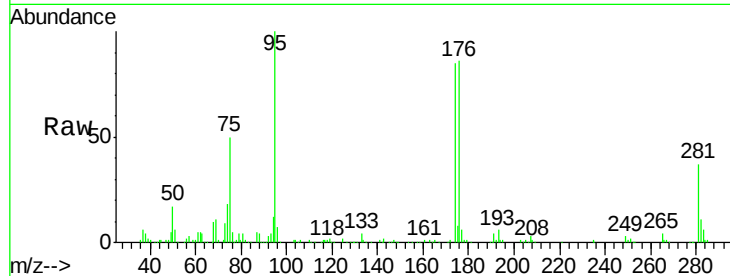




#76
 1,2,3-Trichloropropane
 Concen: 56.350 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066251.D
 Acq: 17 Aug 2020 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VD0817SBL01

Tgt Ion: 75 Resp: 84625
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.566 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066251.D
 Acq: 17 Aug 2020 12:10

Tgt Ion: 75 Resp: 84625
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.2#
 89 0.2 36.6 55.0#

