

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066609.D
 Acq On : 10 Sep 2020 12:03
 Operator : VA/SY
 Sample : VD0910SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBL01

Quant Time: Sep 11 02:06:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	378819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	669289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	259199	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
35) Dibromofluoromethane	7.91	113	244224	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.34	98	890571	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.63	95	296198	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

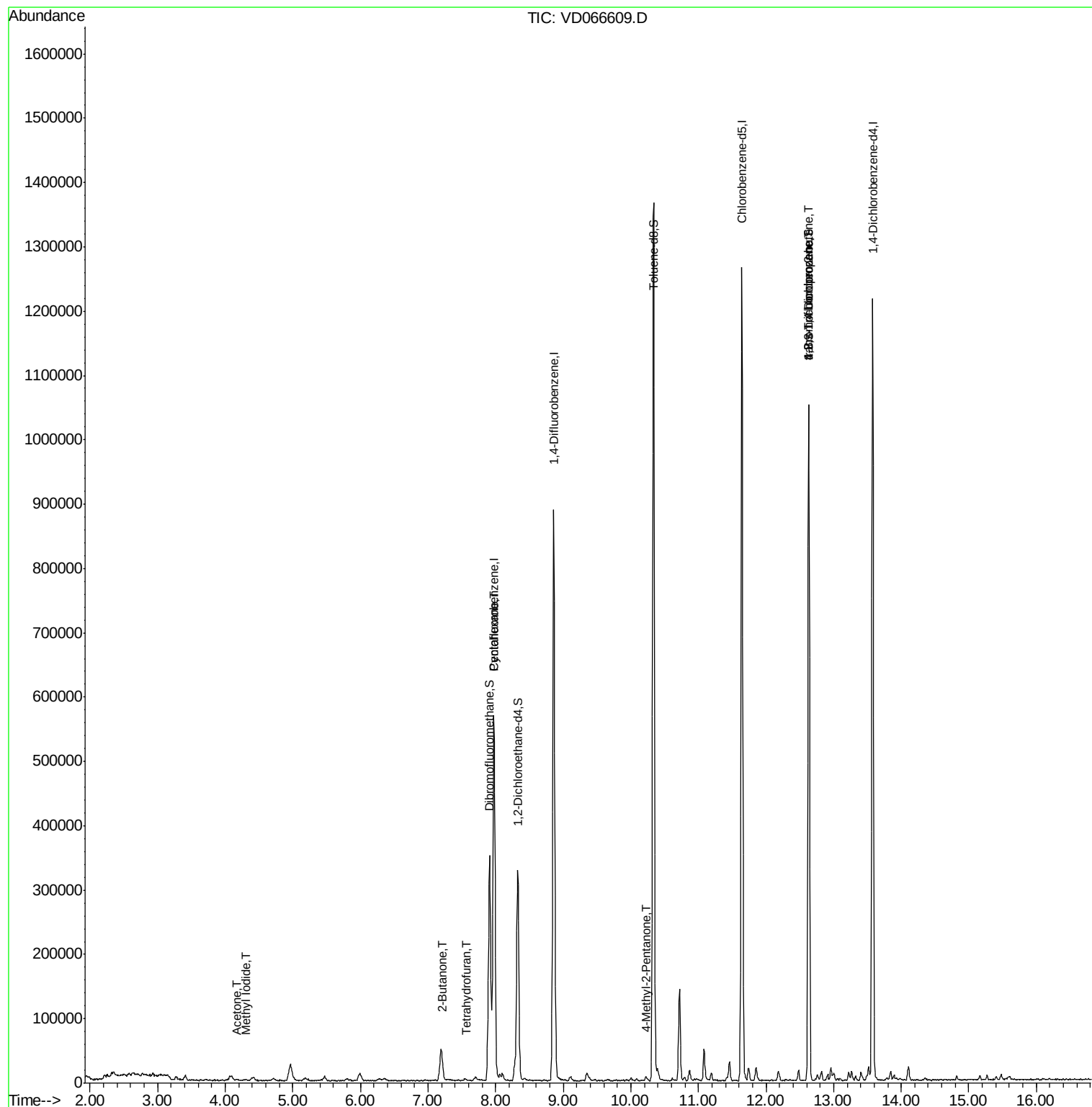
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	2314	Below Cal		83
5) Bromomethane	2.77	94	2549	Below Cal	#	78
10) Methyl Iodide	4.30	142	2615	4.644 ug/l	#	77
11) Tert butyl alcohol	5.20	59	3006	Below Cal	#	74
16) Acetone	4.17	43	3923	4.652 ug/l	#	83
20) Methylene Chloride	4.97	84	19645	Below Cal	#	87
25) 2-Butanone	7.21	43	3840	3.392 ug/l	#	86
29) Tetrahydrofuran	7.57	42	1381	1.959 ug/l	#	57
31) Cyclohexane	7.98	56	14723	1.969 ug/l	#	46
51) 4-Methyl-2-Pentanone	10.23	43	4036	1.397 ug/l		97
76) 1,2,3-Trichloropropane	12.63	75	169545	59.296 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	169545	138.435 ug/l	#	7

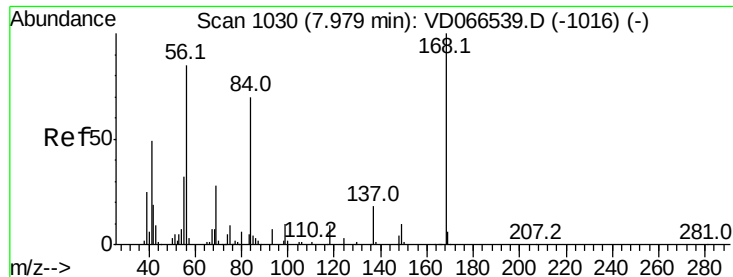
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091020\
Data File : VD066609.D
Acq On : 10 Sep 2020 12:03
Operator : VA/SY
Sample : VD0910SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBL01

Quant Time: Sep 11 02:06:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

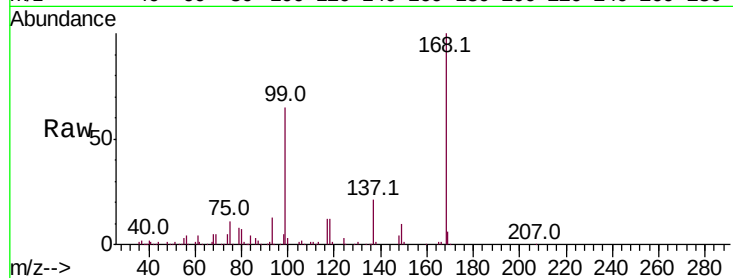
VD0910SBL01

Tot Ion:168 Resp: 378819

Ion Ratio Lower Upper

168 100

99 64.9 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

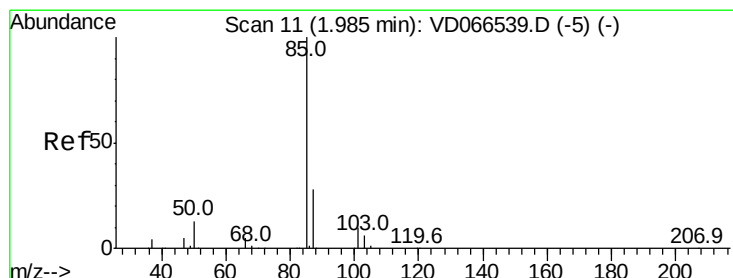
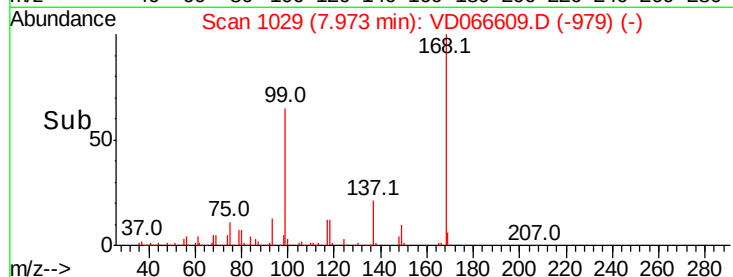
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066609.D

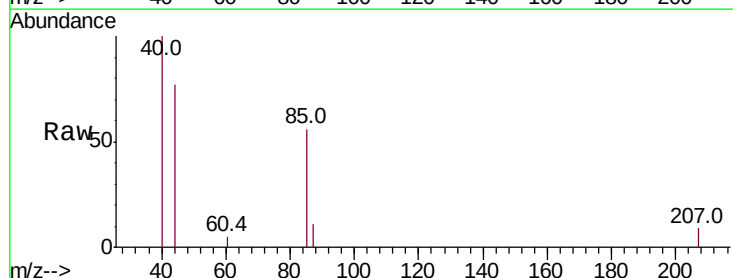
Acq: 10 Sep 2020 12:03

Tgt Ion: 85 Resp: 2314

Ion Ratio Lower Upper

85 100

87 19.5 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2000

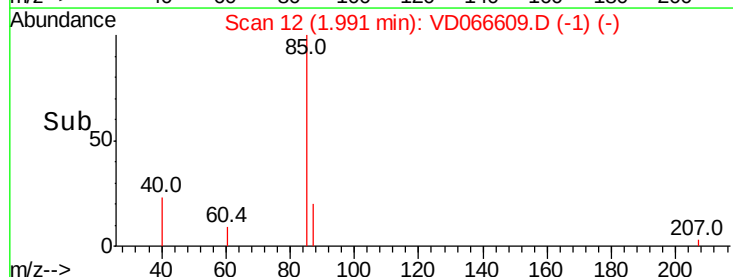
1500

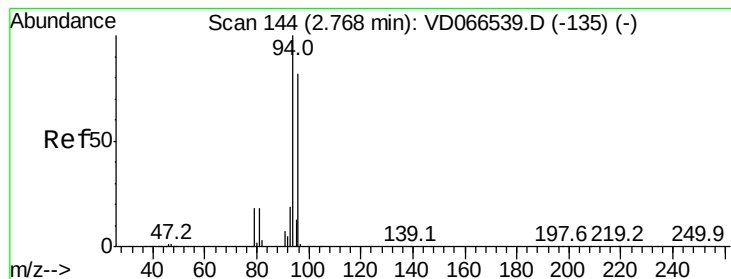
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

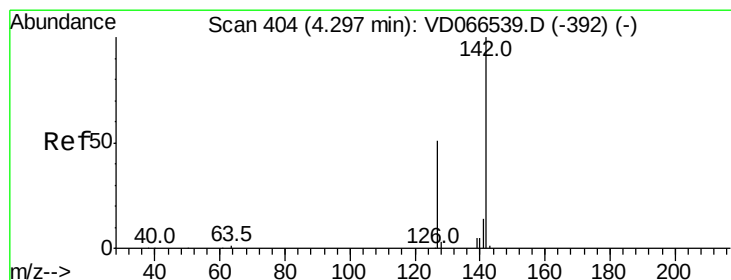
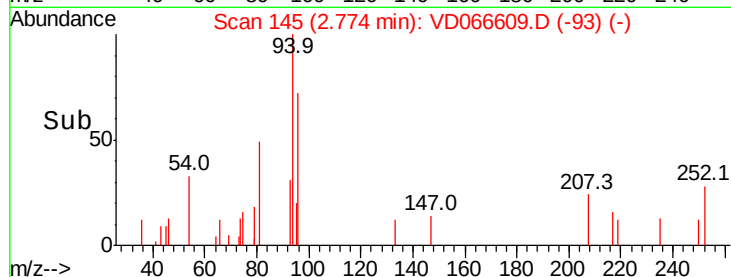
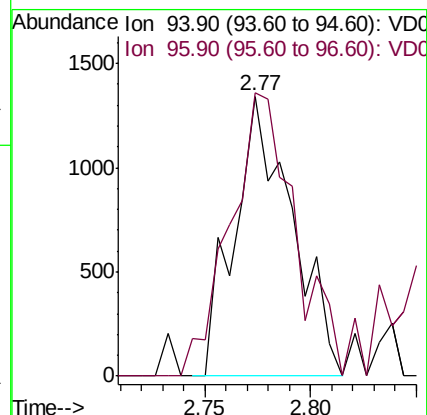
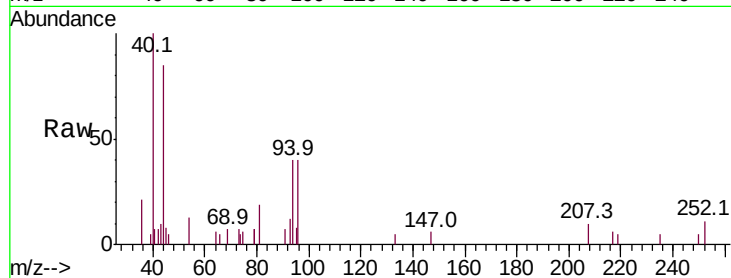
VD0910SBL01

Tot Ion: 94 Resp: 2549

Ion Ratio Lower Upper

94 100

96 101.0 65.2 97.8#



#10

Methyl Iodide

Concen: 4.644 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

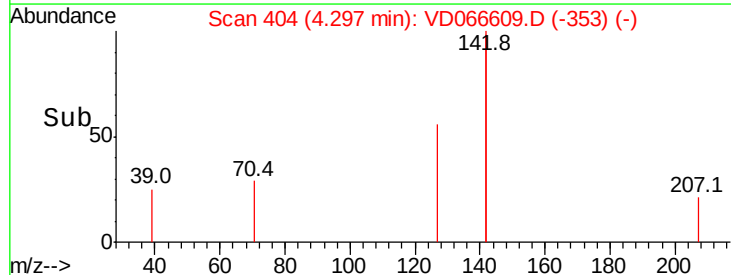
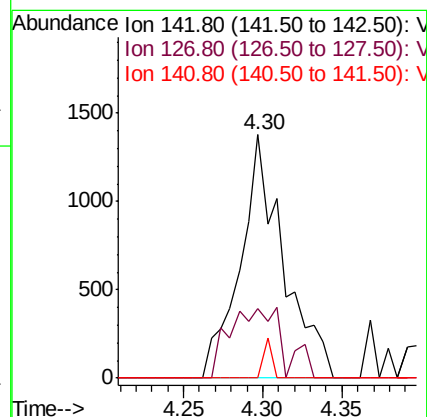
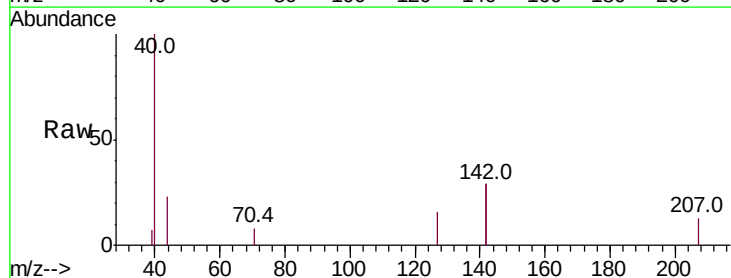
Tgt Ion: 142 Resp: 2615

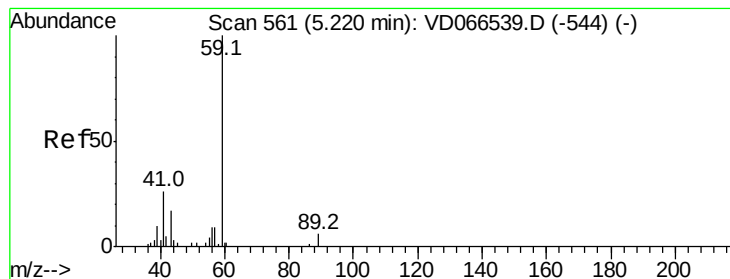
Ion Ratio Lower Upper

142 100

127 36.0 40.6 61.0#

141 3.0 12.2 18.4#



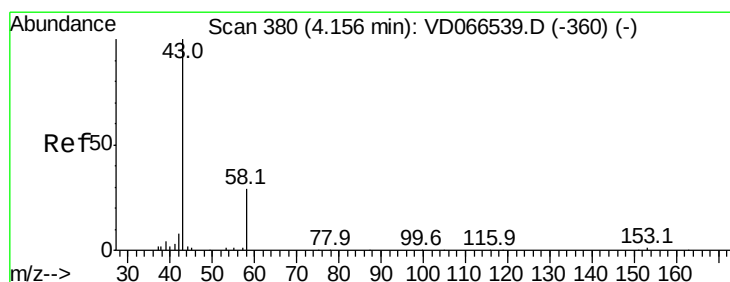
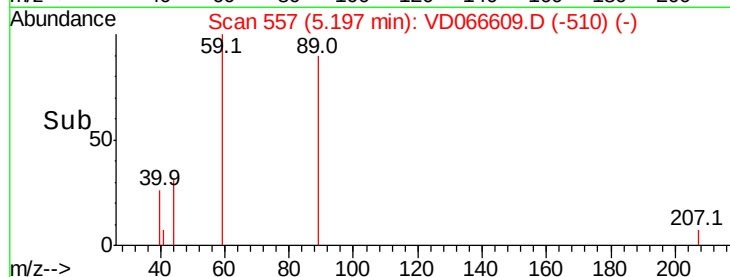
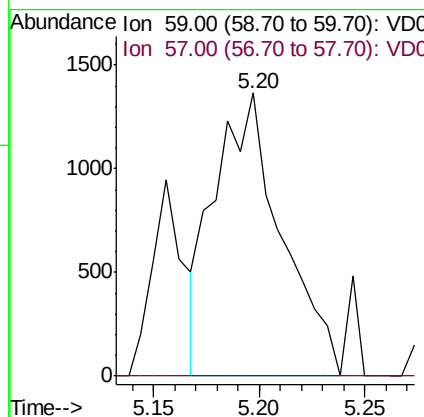
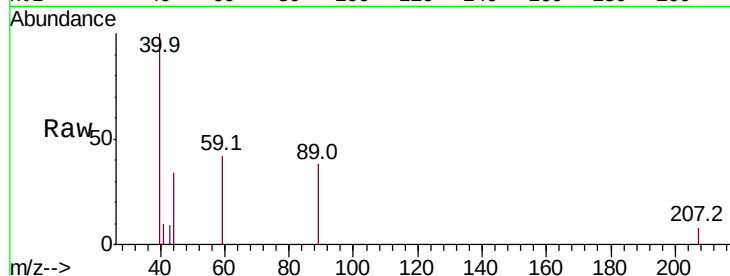


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066609.D
 Acq: 10 Sep 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBL01

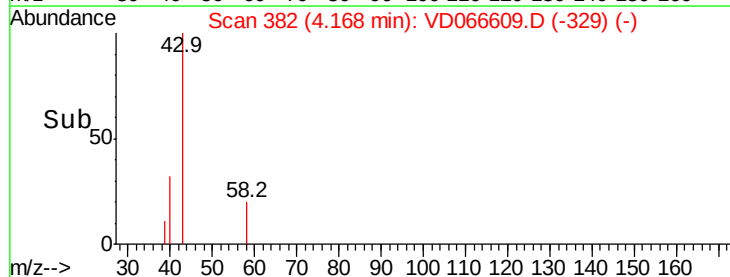
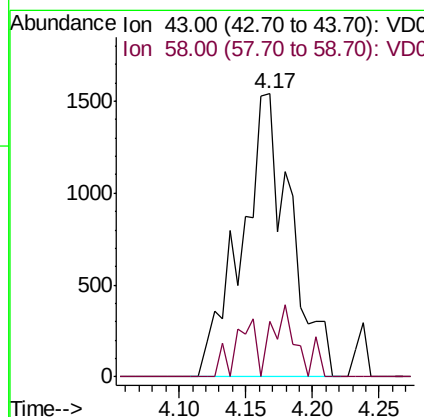
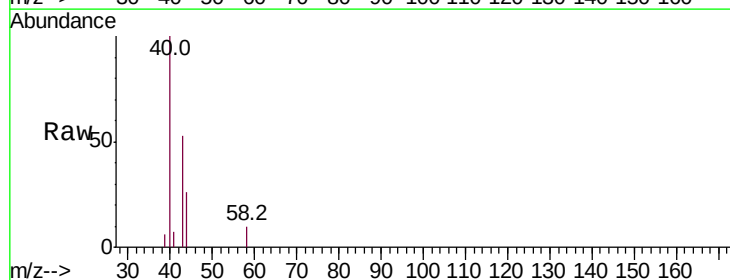
Tot Ion: 59 Resp: 3006
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

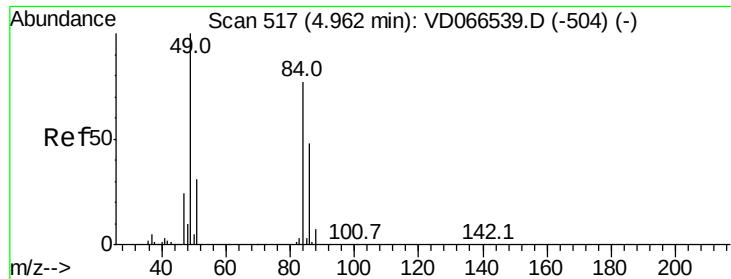


#16

Acetone
 Concen: 4.652 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066609.D
 Acq: 10 Sep 2020 12:03

Tgt Ion: 43 Resp: 3923
 Ion Ratio Lower Upper
 43 100
 58 19.5 22.9 34.3#

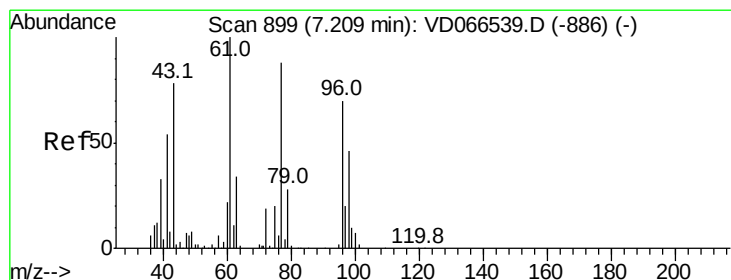
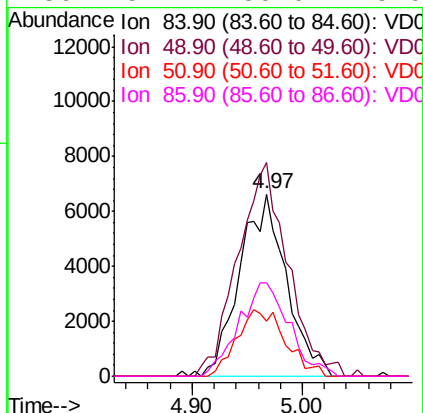
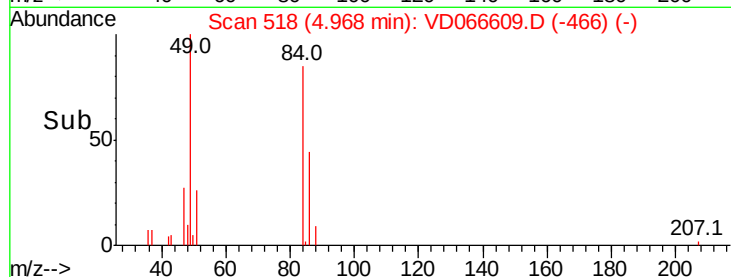
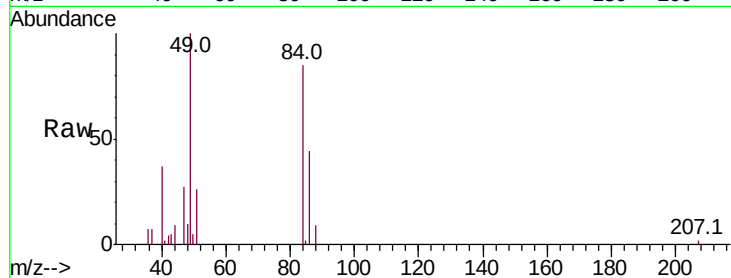




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066609.D
Acq: 10 Sep 2020 12:03

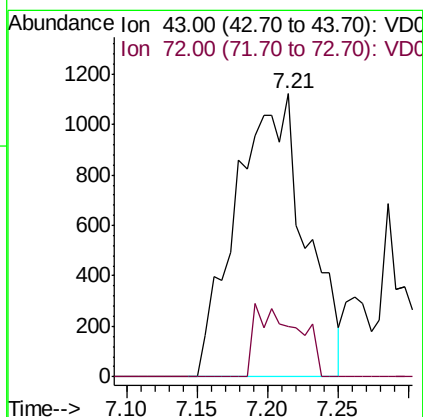
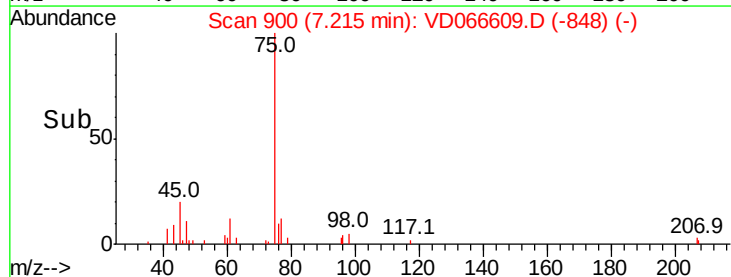
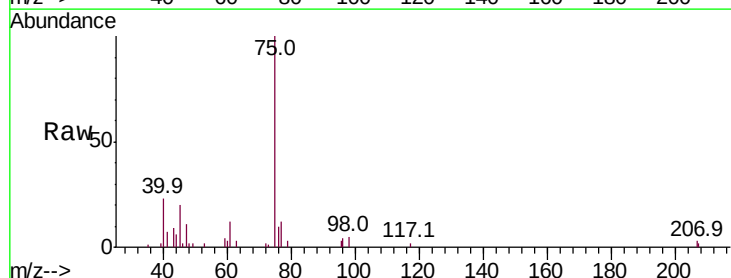
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBL01

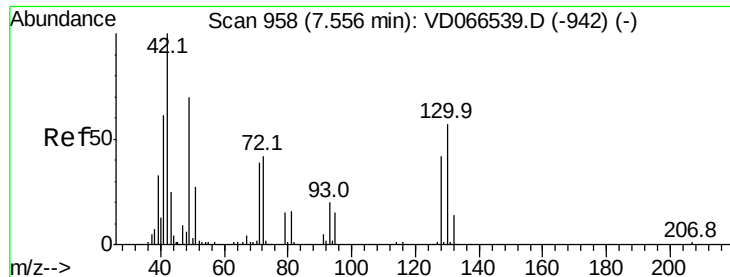
Tot Ion: 84 Resp: 19645
Ion Ratio Lower Upper
84 100
49 117.5 104.3 156.5
51 30.3 32.2 48.4#
86 51.7 50.0 75.0



#25
2-Butanone
Concen: 3.392 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066609.D
Acq: 10 Sep 2020 12:03

Tgt Ion: 43 Resp: 3840
Ion Ratio Lower Upper
43 100
72 17.7 19.8 29.6#

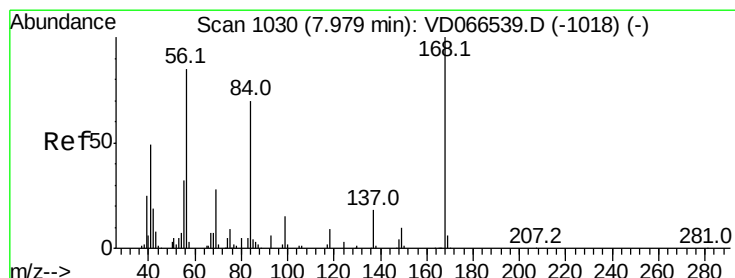
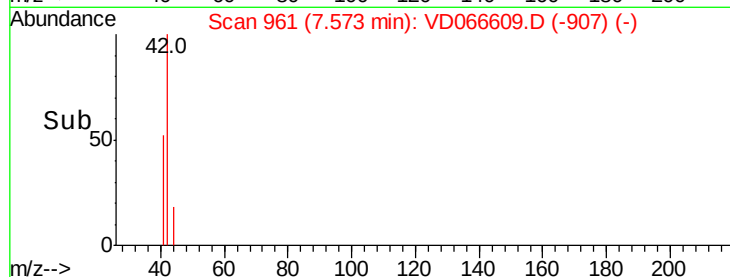
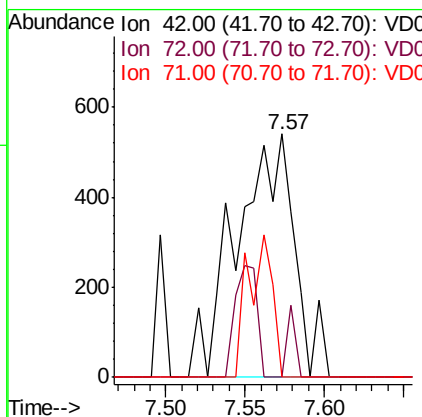
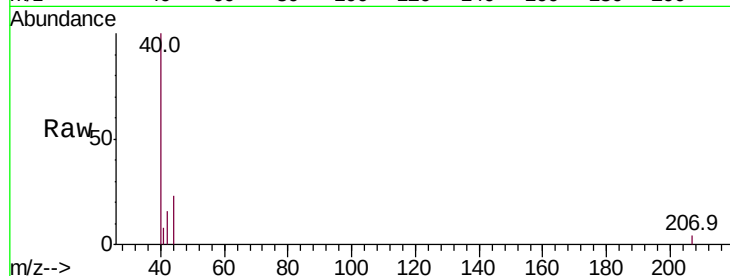




#29
Tetrahydrofuran
Concen: 1.959 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.02 min
Lab File: VD066609.D
Acq: 10 Sep 2020 12:03

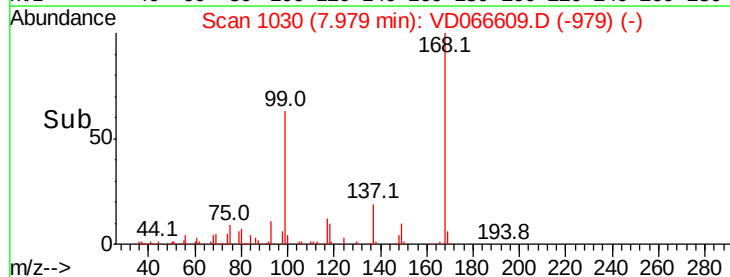
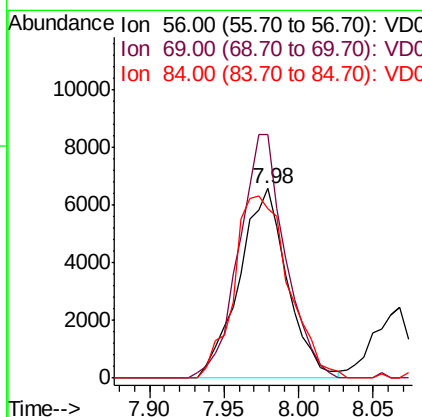
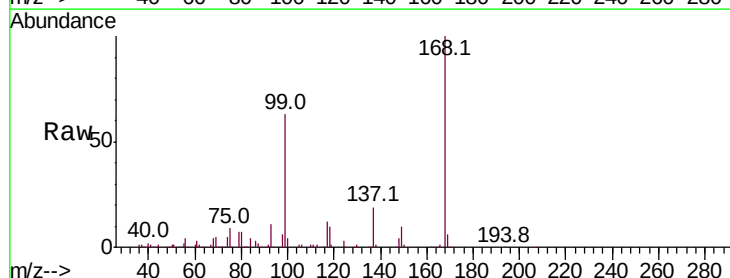
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBL01

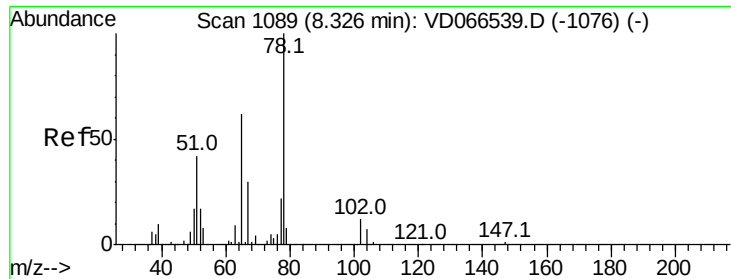
Tot Ion: 42 Resp: 1381
Ion Ratio Lower Upper
42 100
72 4.1 33.4 50.0#
71 24.5 31.9 47.9#



#31
Cyclohexane
Concen: 1.969 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066609.D
Acq: 10 Sep 2020 12:03

Tgt Ion: 56 Resp: 14723
Ion Ratio Lower Upper
56 100
69 128.7 26.3 39.5#
84 89.7 66.1 99.1

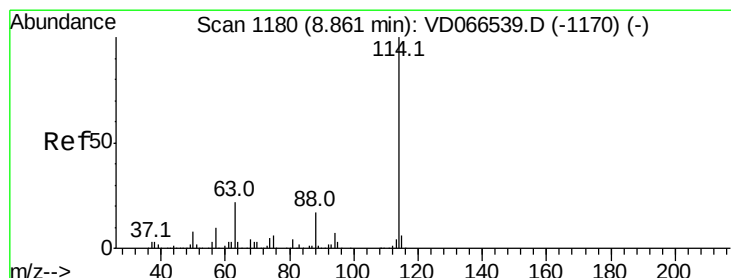
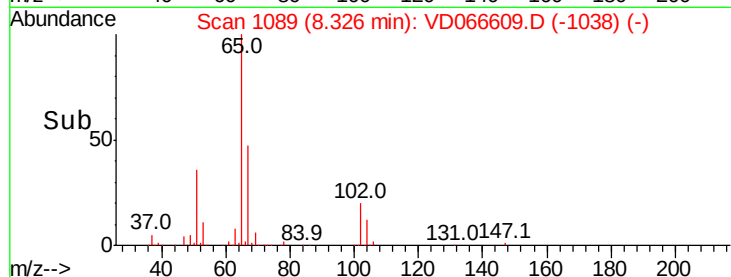
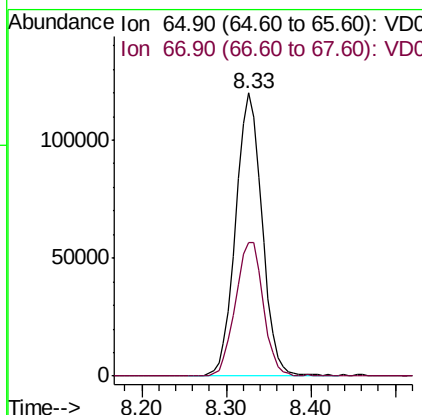
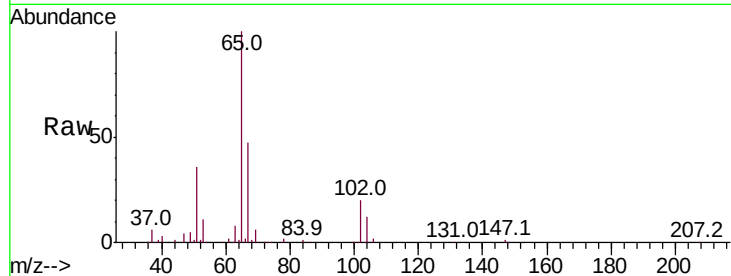




#33
 1,2-Dichloroethane-d4
 Concen: 56.552 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066609.D
 Acq: 10 Sep 2020 12:03

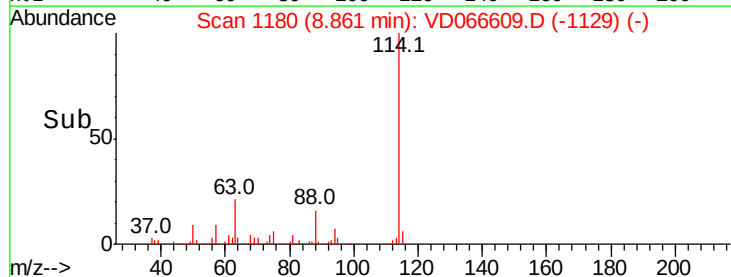
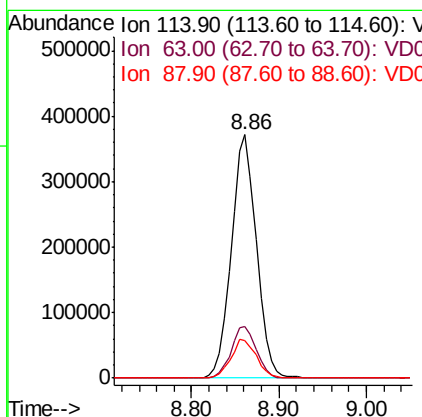
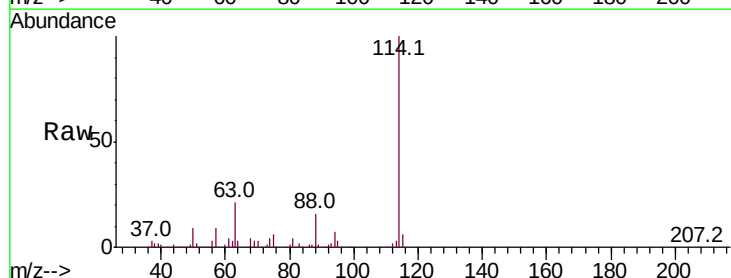
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBL01

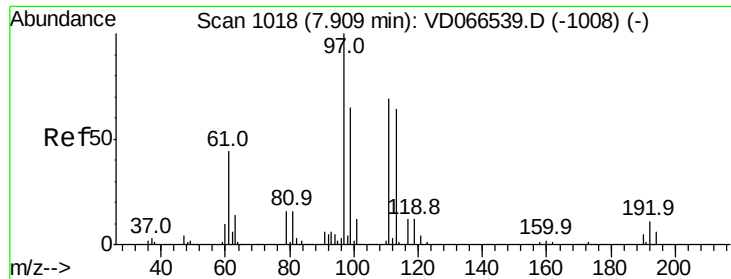
Tot Ion: 65 Resp: 259199
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066609.D
 Acq: 10 Sep 2020 12:03

Tgt Ion: 114 Resp: 721398
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.184 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBL01

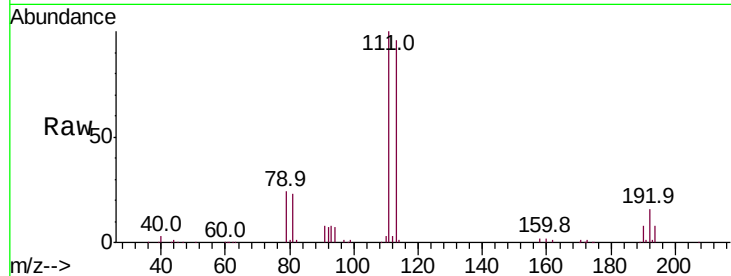
Tot Ion:113 Resp: 244224

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

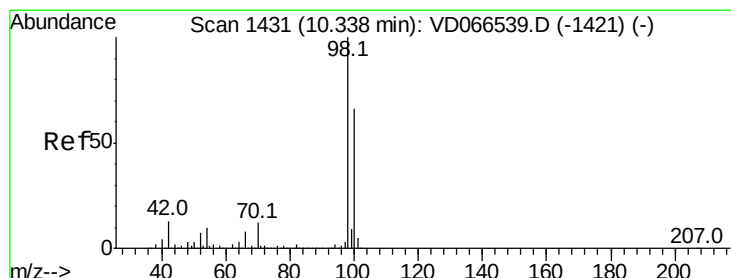
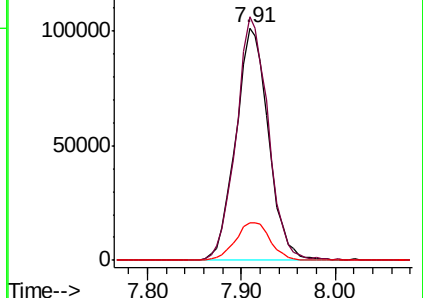
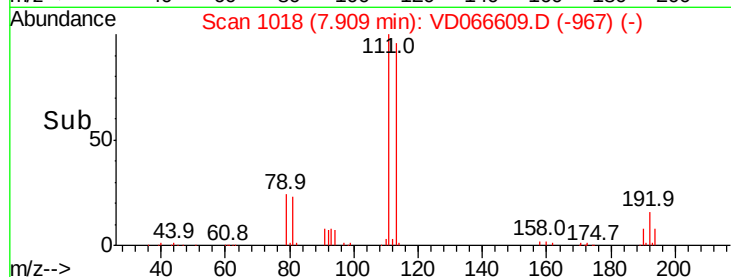
192 17.2 13.7 20.5



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: 51.200 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066609.D

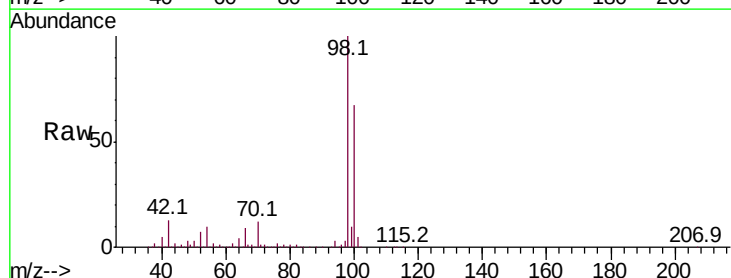
Acq: 10 Sep 2020 12:03

Tgt Ion: 98 Resp: 890571

Ion Ratio Lower Upper

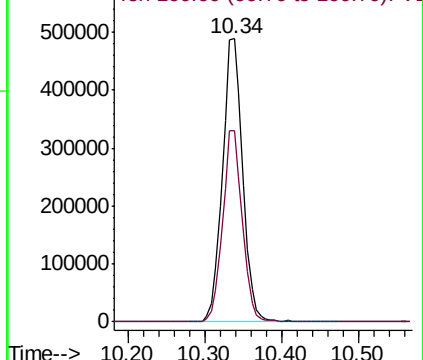
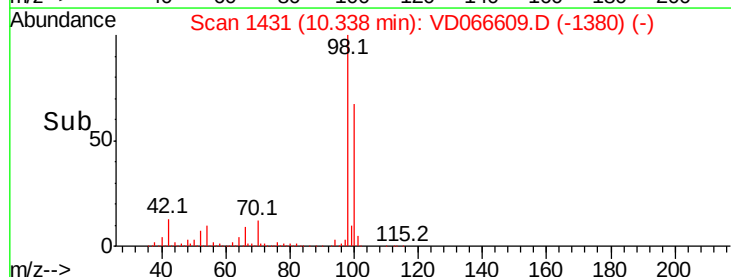
98 100

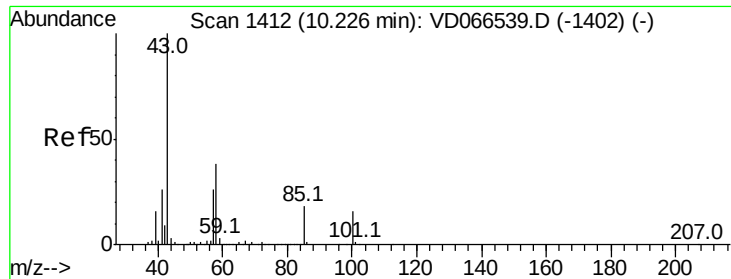
100 65.5 52.9 79.3



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: 1.397 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

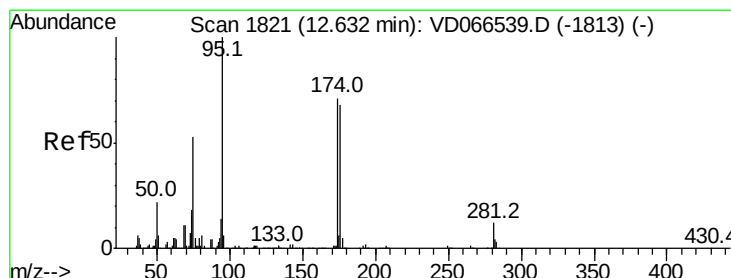
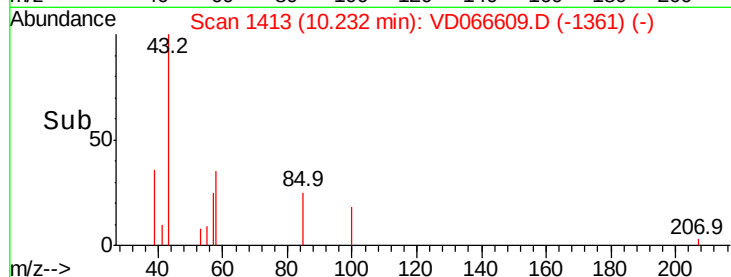
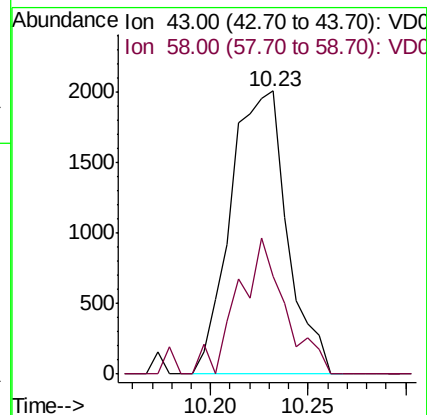
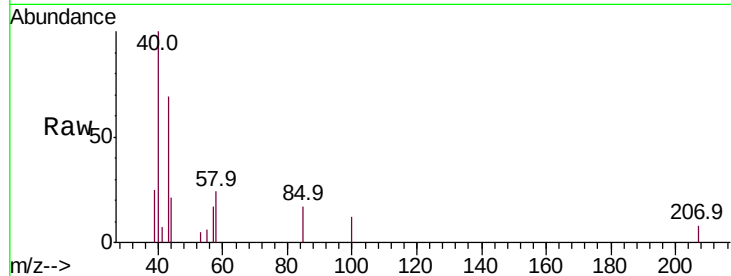
VD0910SBL01

Tot Ion: 43 Resp: 4036

Ion Ratio Lower Upper

43 100

58 40.1 30.5 45.7



#62

4-Bromofluorobenzene

Concen: 51.355 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

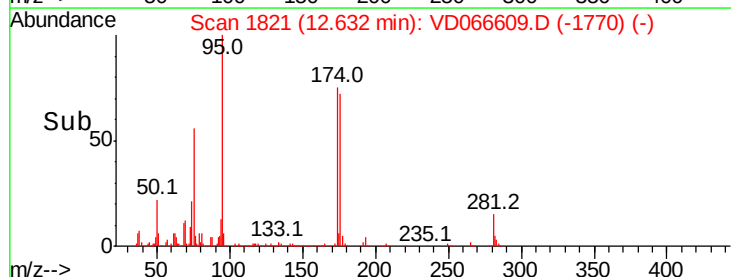
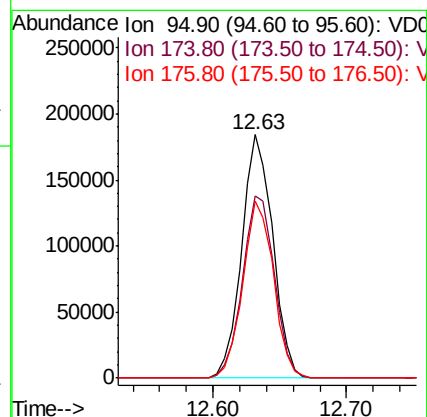
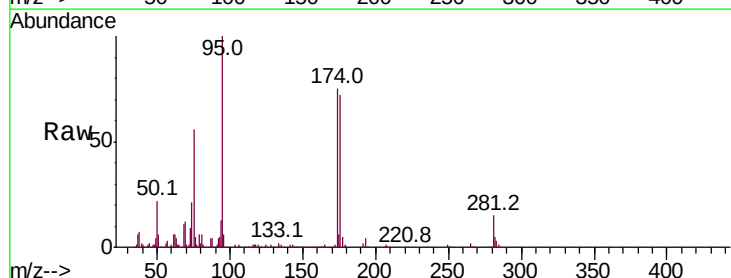
Tgt Ion: 95 Resp: 296198

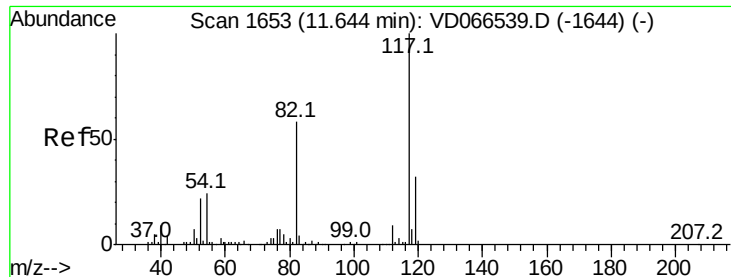
Ion Ratio Lower Upper

95 100

174 77.0 0.0 155.8

176 71.9 0.0 148.6

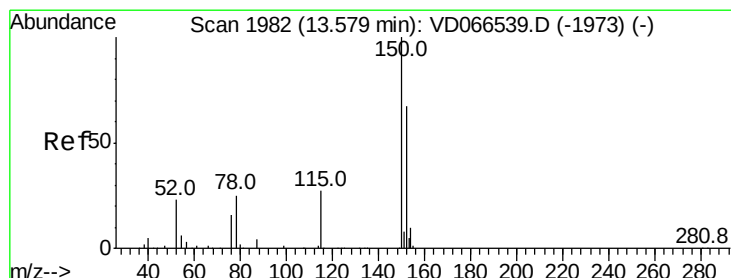
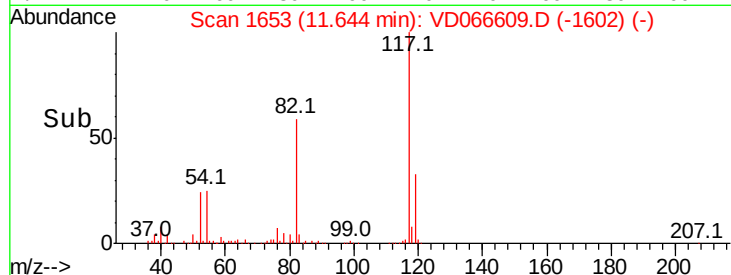
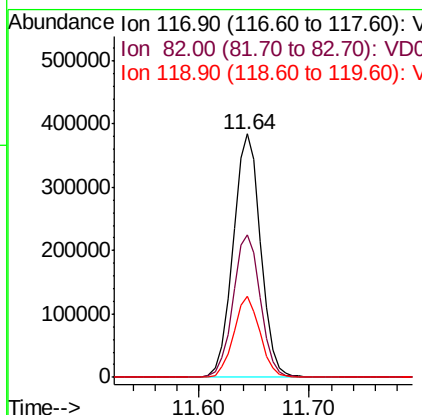
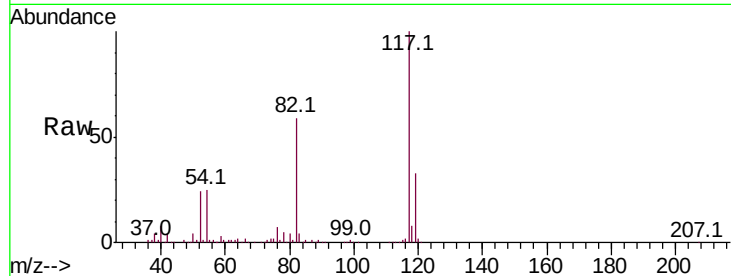




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066609.D
Acq: 10 Sep 2020 12:03

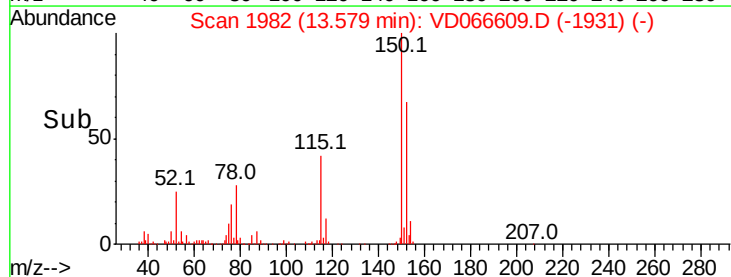
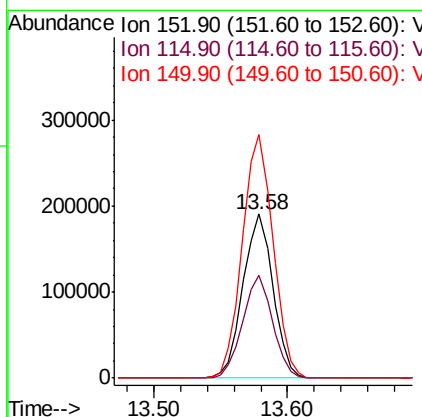
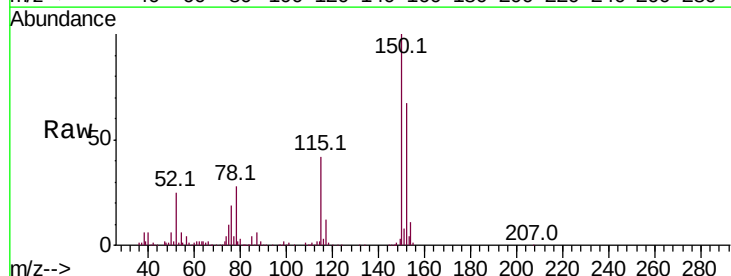
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBL01

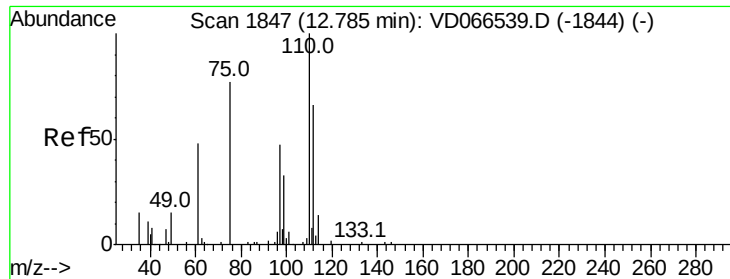
Tot Ion:117 Resp: 669289
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.2
119 33.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066609.D
Acq: 10 Sep 2020 12:03

Tgt Ion:152 Resp: 297307
Ion Ratio Lower Upper
152 100
115 61.7 30.4 91.2
150 151.4 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 59.296 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

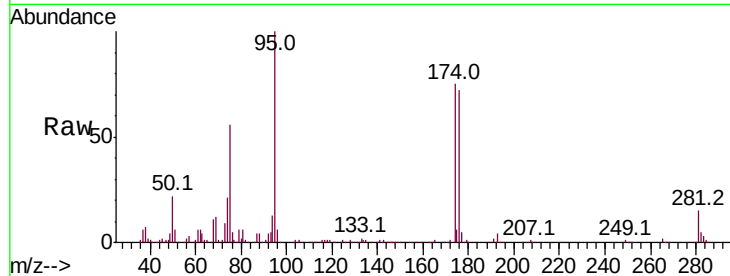
VD0910SBL01

Tot Ion: 75 Resp: 169545

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

120000

100000

80000

60000

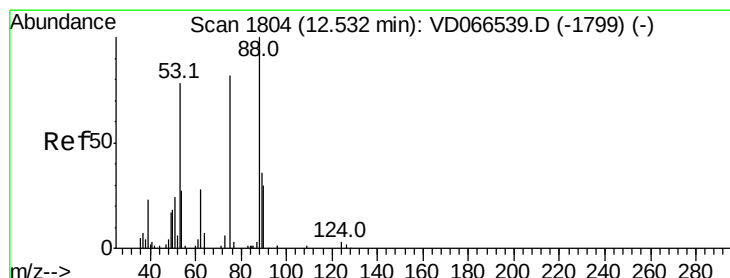
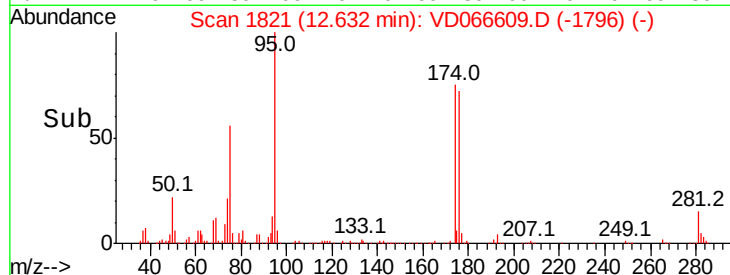
40000

20000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 138.435 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066609.D

Acq: 10 Sep 2020 12:03

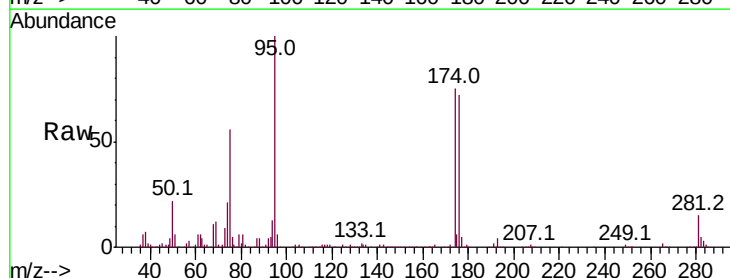
Tgt Ion: 75 Resp: 169545

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

89 0.2 37.1 55.7#



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

100000

50000

0

12.55 12.60 12.65 12.70

Time-->

