

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066669.D
 Acq On : 14 Sep 2020 13:20
 Operator : VA/SY
 Sample : L3928-03
 Misc : 7.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 01:25:28 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	427664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	763503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	703280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310030	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	255478	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	7.91	113	250488	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.34	98	910365	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.63	95	299605	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	

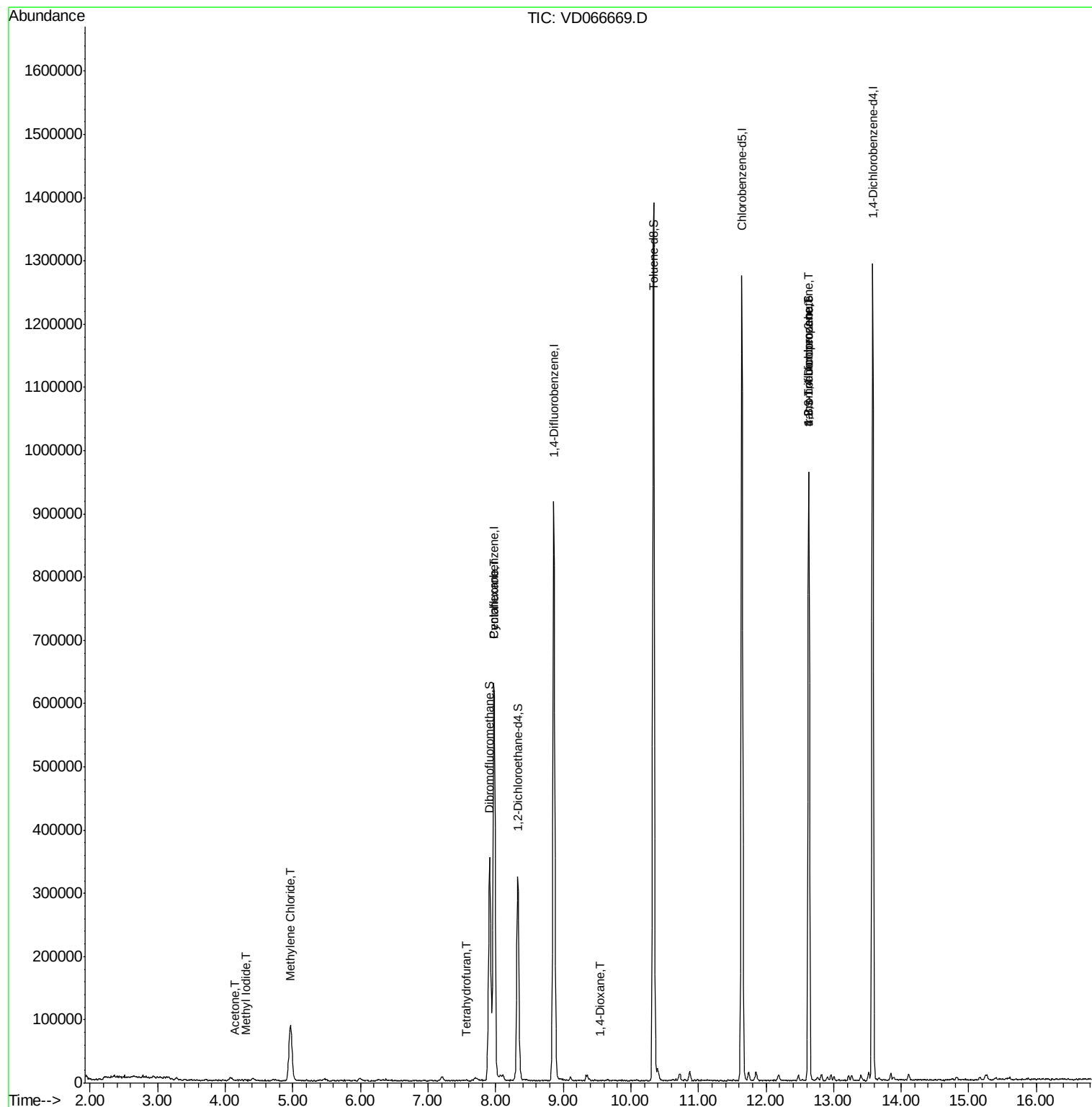
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1727	Below Cal		88
5) Bromomethane	2.77	94	1812	Below Cal	#	79
10) Methyl Iodide	4.31	142	1460	4.330	ug/l #	56
11) Tert butyl alcohol	5.24	59	54	Below Cal	#	74
16) Acetone	4.16	43	1534	1.611	ug/l #	46
20) Methylene Chloride	4.97	84	70397	8.010	ug/l	93
29) Tetrahydrofuran	7.58	42	863	1.084	ug/l #	48
31) Cyclohexane	7.98	56	14504	1.718	ug/l #	20
49) 1,4-Dioxane	9.55	88	58	1.751	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	172923	57.996	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	172923	135.399	ug/l #	7

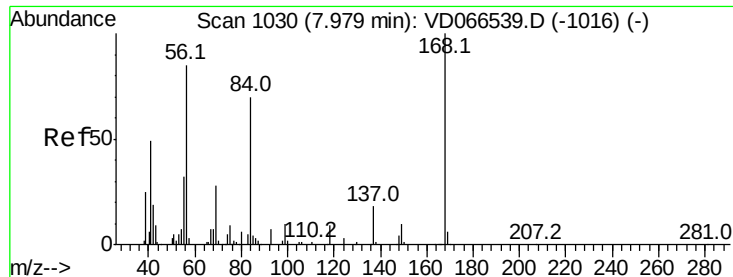
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091420\
Data File : VD066669.D
Acq On : 14 Sep 2020 13:20
Operator : VA/SY
Sample : L3928-03
Misc : 7.53G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 15 01:25:28 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: VD066669.D

Acq: 14 Sep 2020 13:20

Instrument :

MSVOA_D

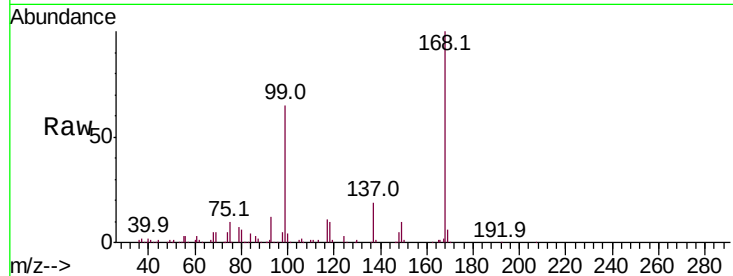
ClientSampleId :

Tot Ion:168 Resp: 427664

Ion Ratio Lower Upper

168 100

99 64.2 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

200000

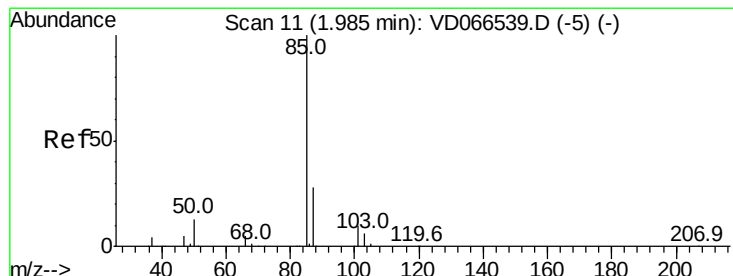
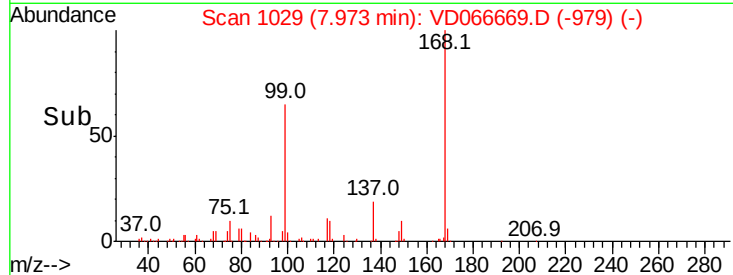
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066669.D

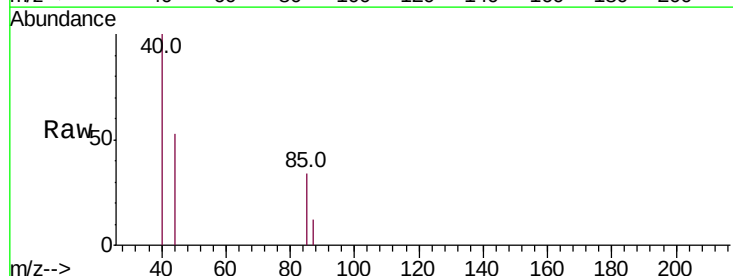
Acq: 14 Sep 2020 13:20

Tgt Ion: 85 Resp: 1727

Ion Ratio Lower Upper

85 100

87 34.8 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

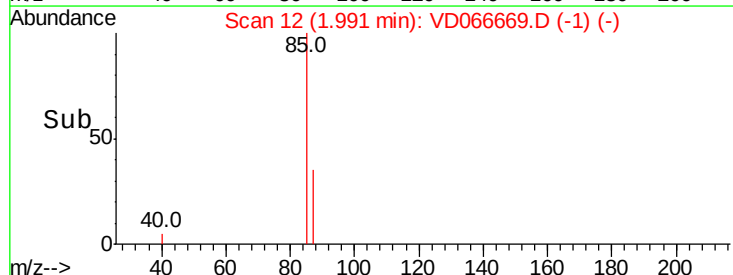
1.99

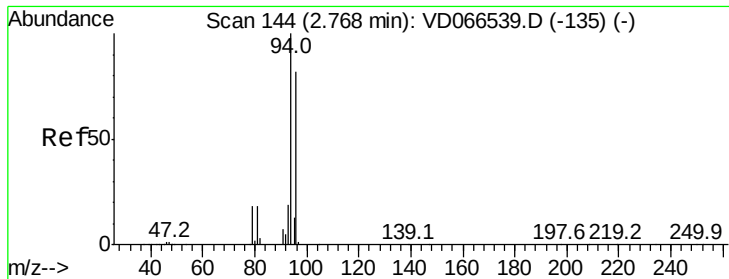
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

Instrument :

MSVOA_D

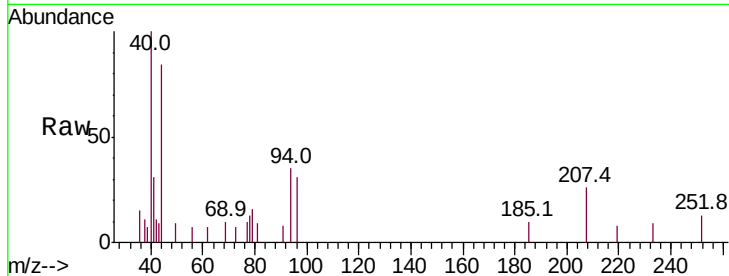
ClientSampleId :

Tot Ion: 94 Resp: 1812

Ion Ratio Lower Upper

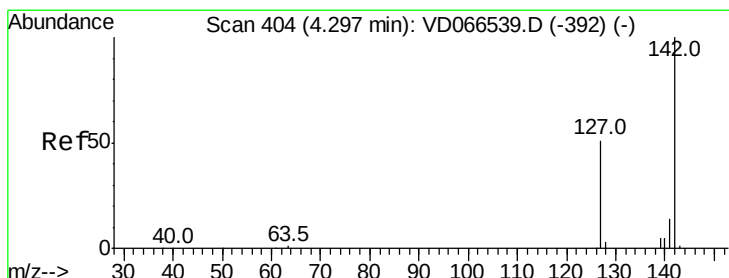
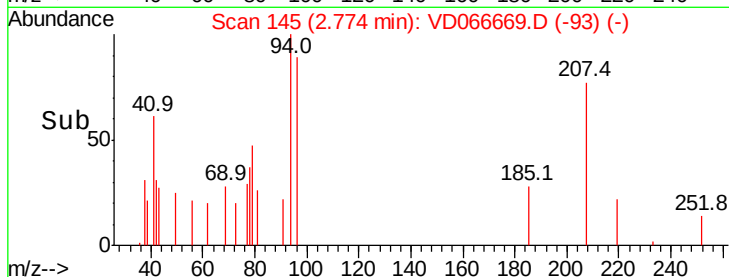
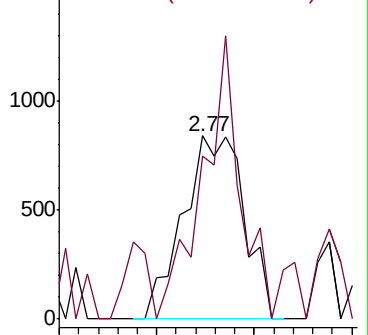
94 100

96 62.4 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.330 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

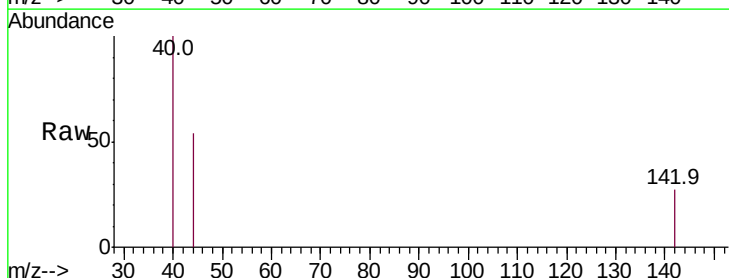
Tgt Ion: 142 Resp: 1460

Ion Ratio Lower Upper

142 100

127 18.4 40.6 61.0#

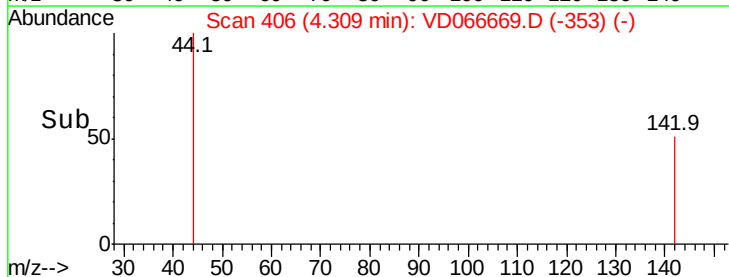
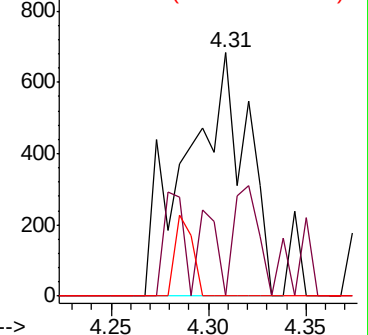
141 0.0 12.2 18.4#

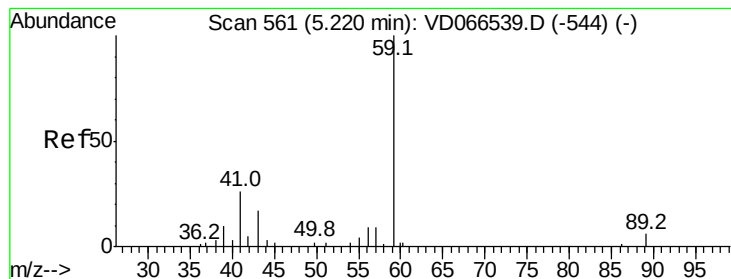


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



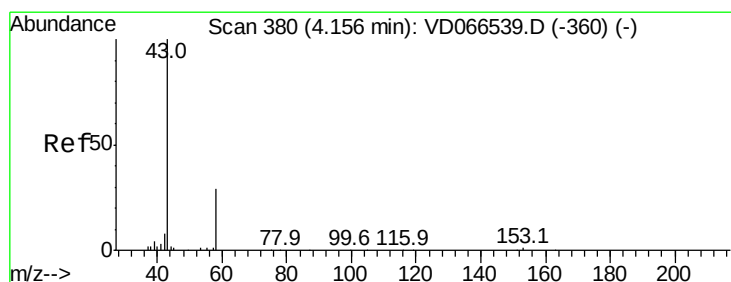
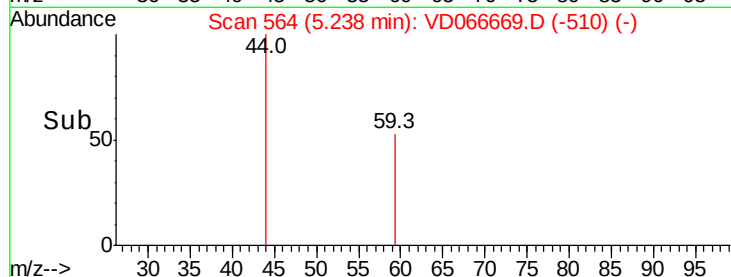
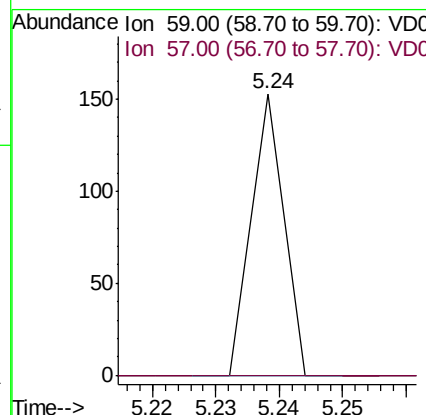
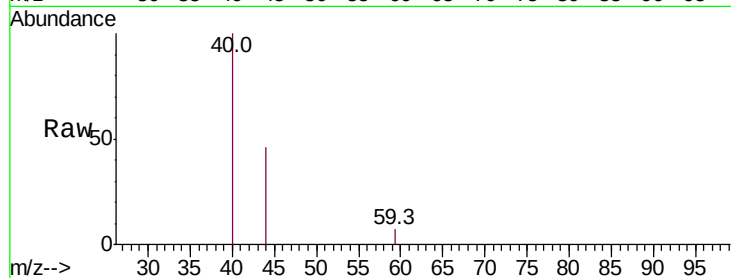


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 564
 Delta R.T. 0.02 min
 Lab File: VD066669.D
 Acq: 14 Sep 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :

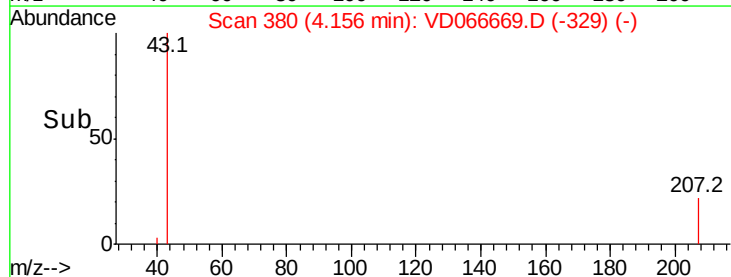
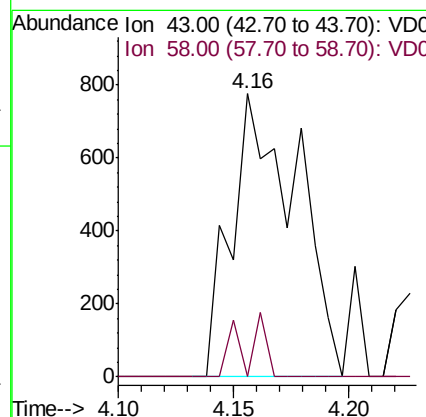
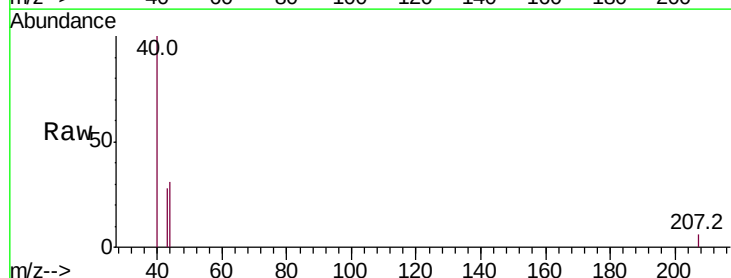
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

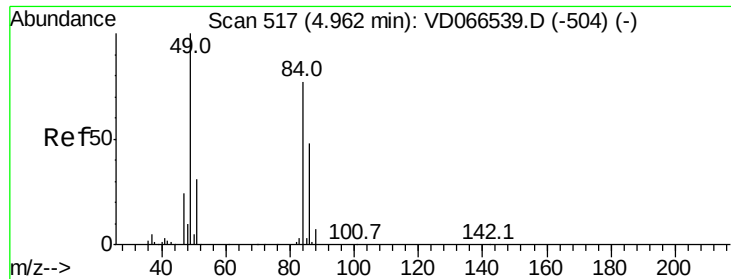


#16

Acetone
 Concen: 1.611 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066669.D
 Acq: 14 Sep 2020 13:20

Tgt Ion: 43 Resp: 1534
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.9 34.3#

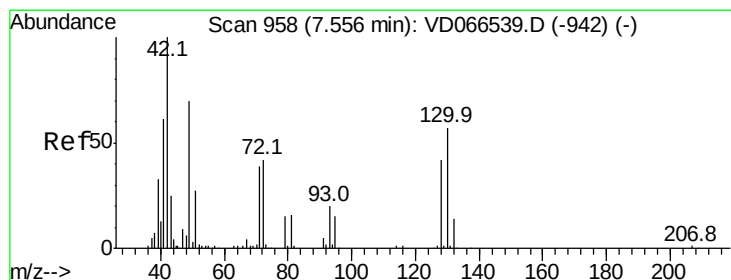
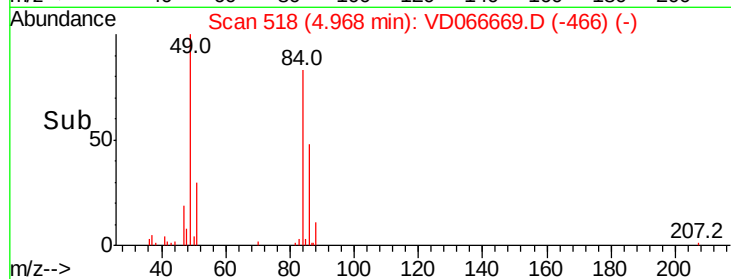
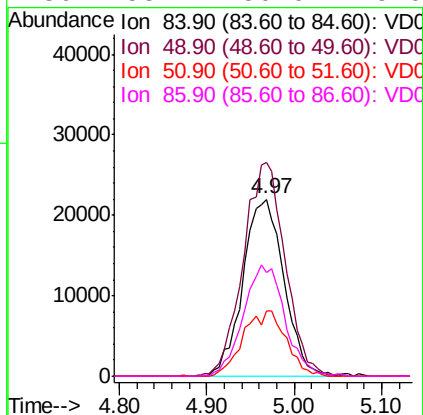
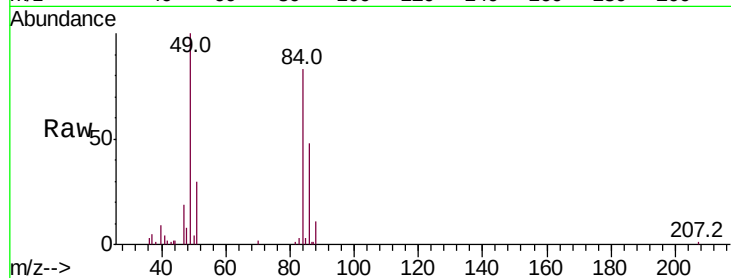




#20
Methylene Chloride
Concen: 8.010 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066669.D
Acq: 14 Sep 2020 13:20

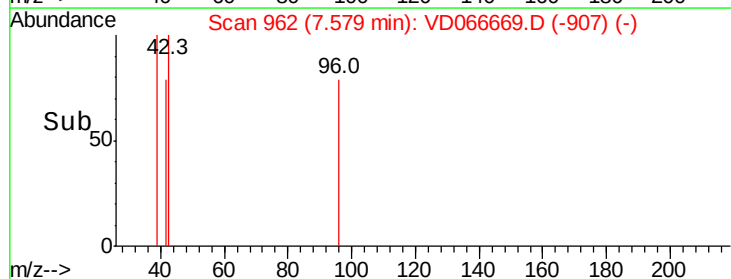
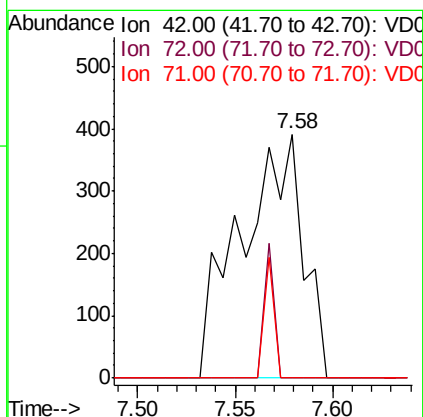
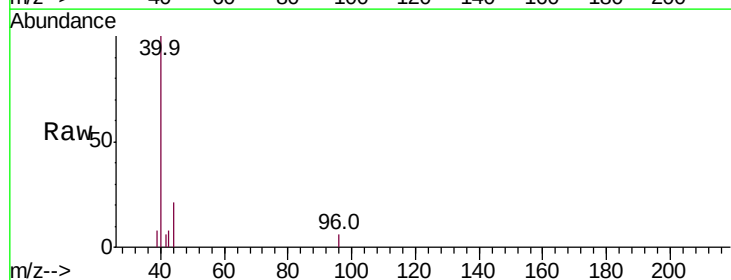
Instrument :
MSVOA_D
ClientSampleId :

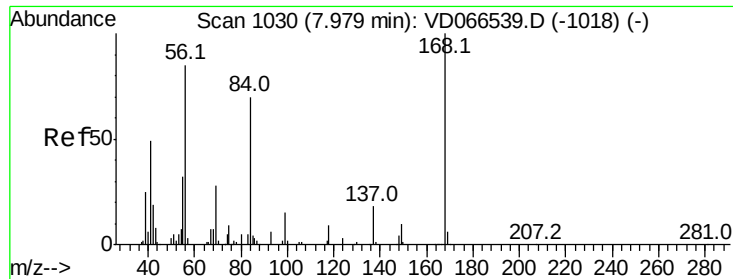
Tot Ion:	84	Resp:	70397
Ion	Ratio	Lower	Upper
84	100		
49	120.9	104.3	156.5
51	36.8	32.2	48.4
86	58.4	50.0	75.0



#29
Tetrahydrofuran
Concen: 1.084 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.02 min
Lab File: VD066669.D
Acq: 14 Sep 2020 13:20

Tgt Ion:	42	Resp:	863
Ion	Ratio	Lower	Upper
42	100		
72	8.8	33.4	50.0#
71	7.9	31.9	47.9#

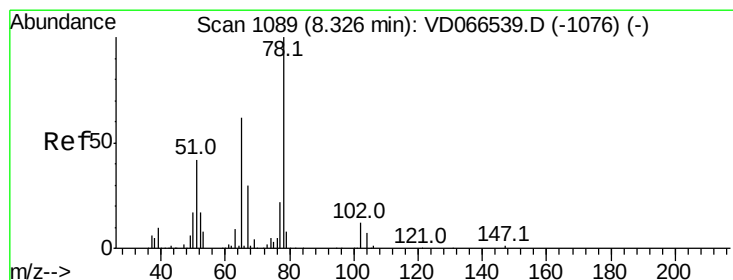
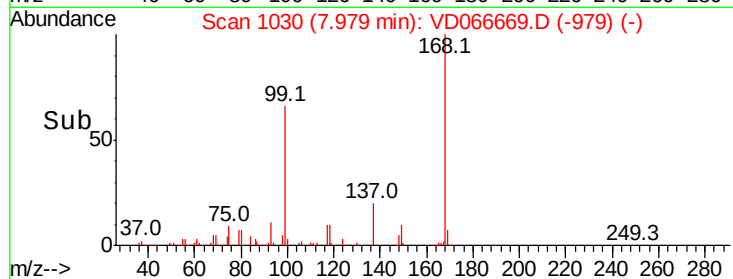
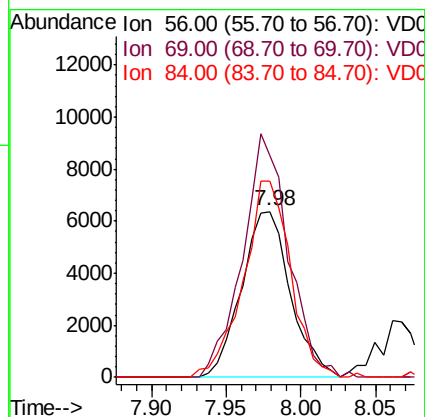
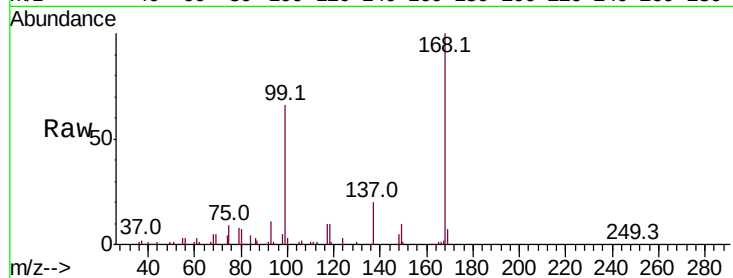




#31
Cyclohexane
Concen: 1.718 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066669.D
Acq: 14 Sep 2020 13:20

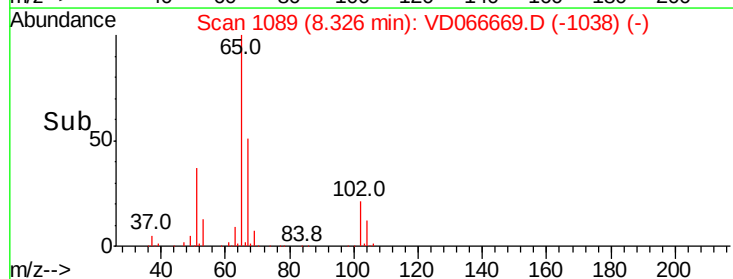
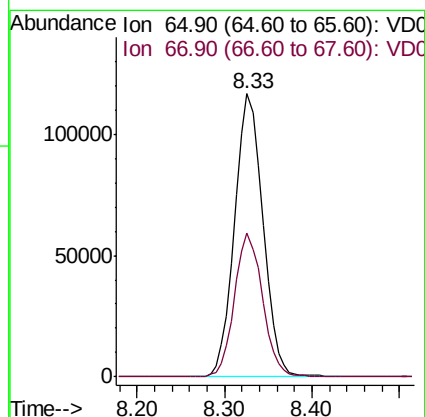
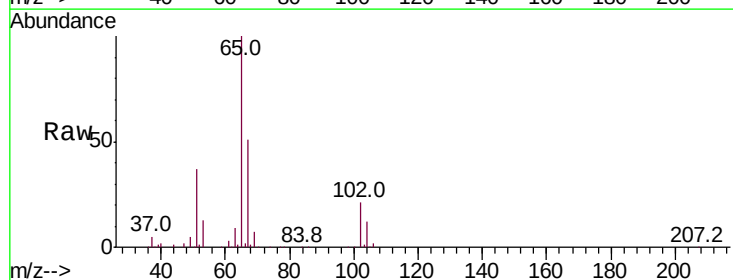
Instrument :
MSVOA_D
ClientSampleId :

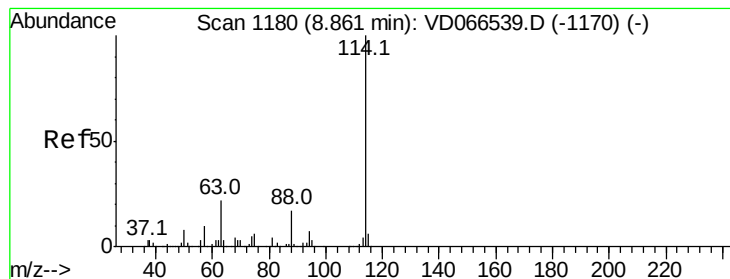
Tot Ion: 56 Resp: 14504
Ion Ratio Lower Upper
56 100
69 134.2 26.3 39.5#
84 118.3 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 49.374 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066669.D
Acq: 14 Sep 2020 13:20

Tgt Ion: 65 Resp: 255478
Ion Ratio Lower Upper
65 100
67 50.1 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: VD066669.D

Acq: 14 Sep 2020 13:20

Instrument :

MSVOA_D

ClientSampled :

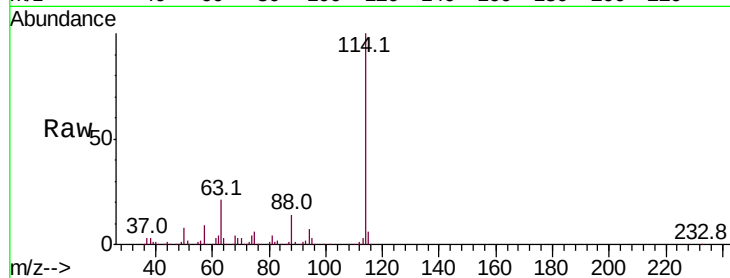
Tot Ion:114 Resp: 763503

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

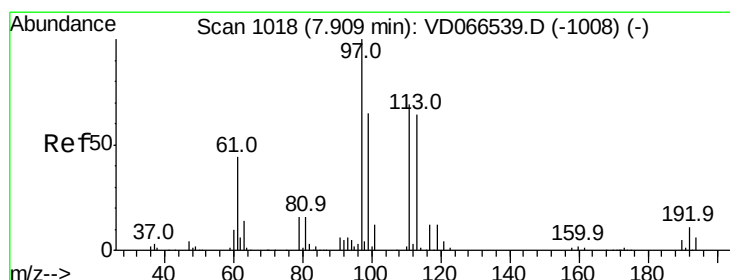
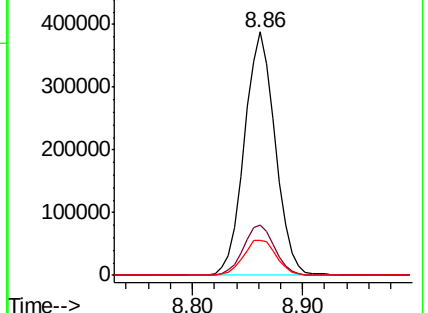
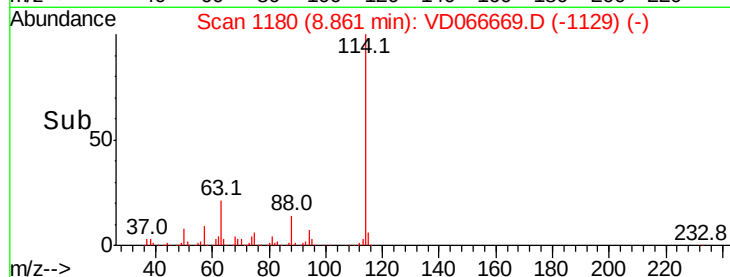
88 14.2 0.0 33.2



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: 48.632 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

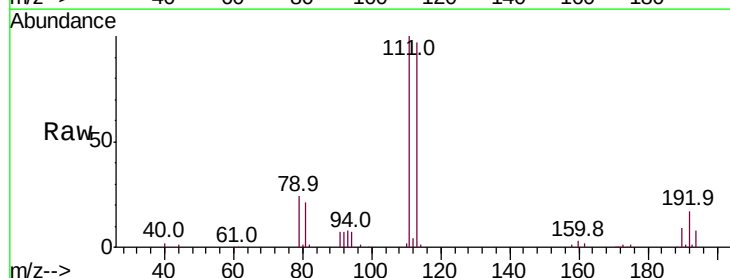
Tgt Ion:113 Resp: 250488

Ion Ratio Lower Upper

113 100

111 104.1 83.2 124.8

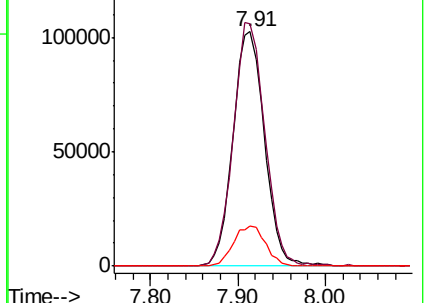
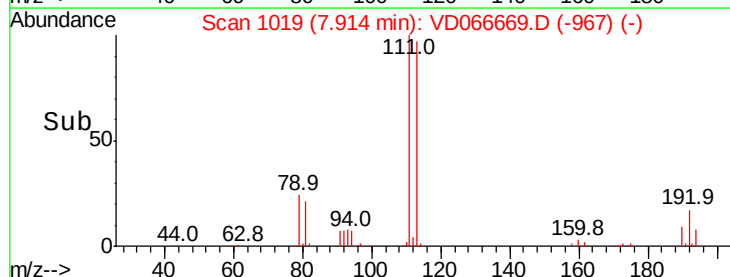
192 17.4 13.7 20.5

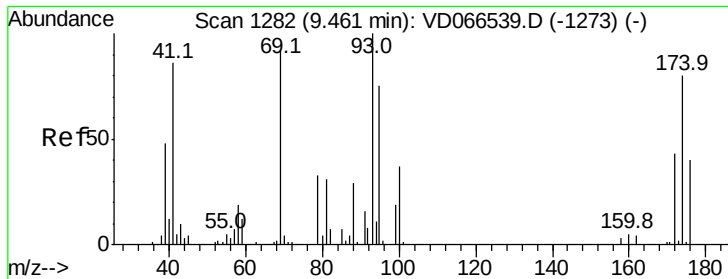


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: 1.751 ug/l

RT: 9.55 min Scan# 1297

Delta R.T. 0.09 min

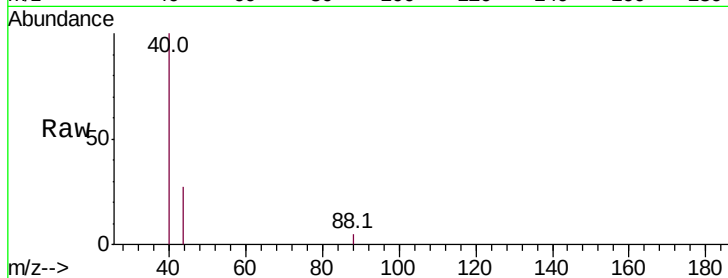
Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

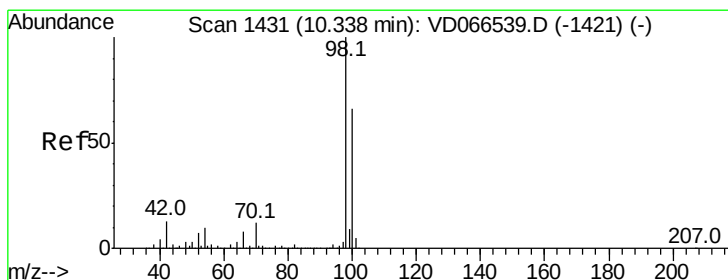
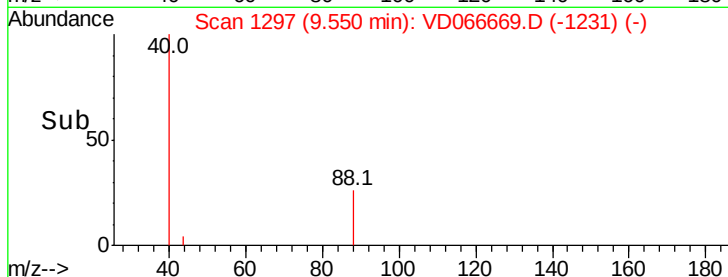
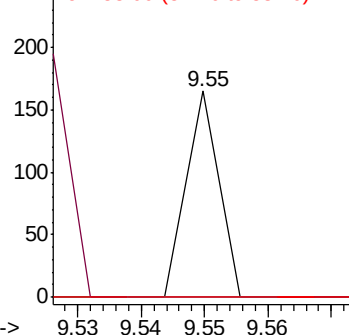
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 58

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.3	42.5#
58	0.0	56.1	84.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.452 ug/l

RT: 10.34 min Scan# 1431

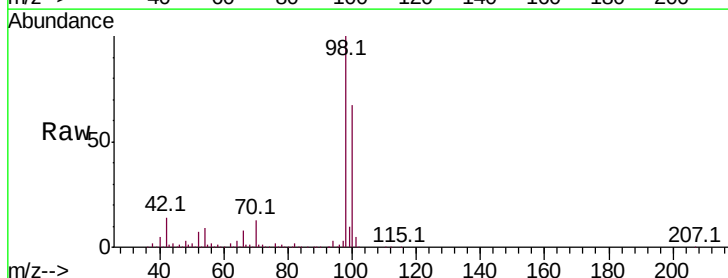
Delta R.T. 0.00 min

Lab File: VD066669.D

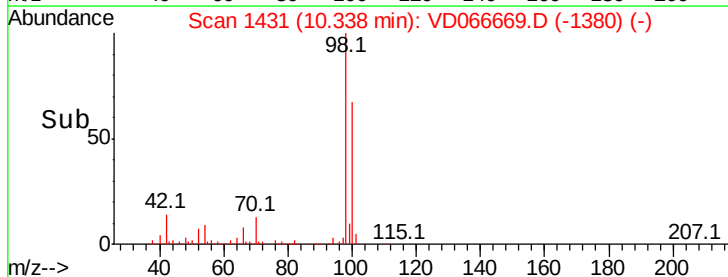
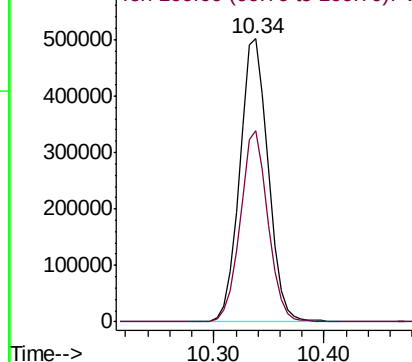
Acq: 14 Sep 2020 13:20

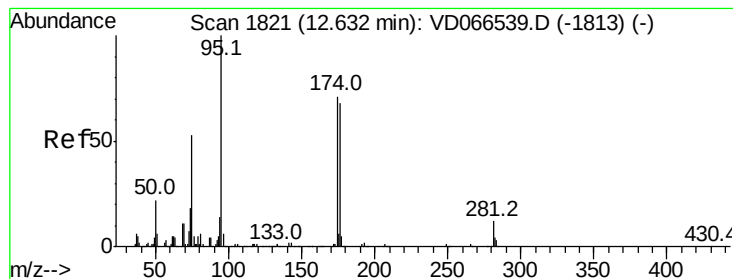
Tgt Ion: 98 Resp: 910365

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 49.081 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

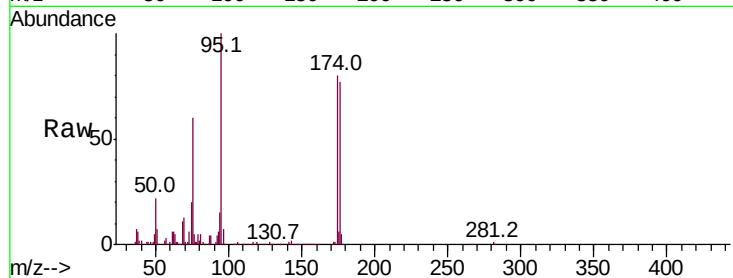
Tot Ion: 95 Resp: 299605

Ion Ratio Lower Upper

95 100

174 78.9 0.0 155.8

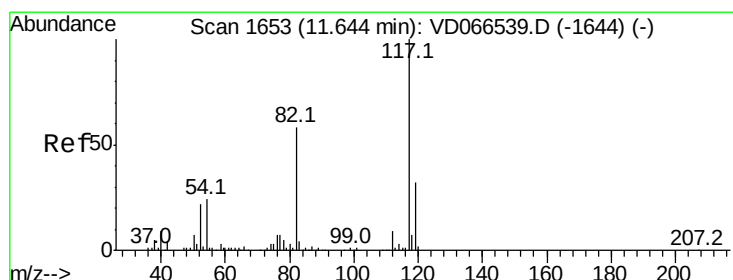
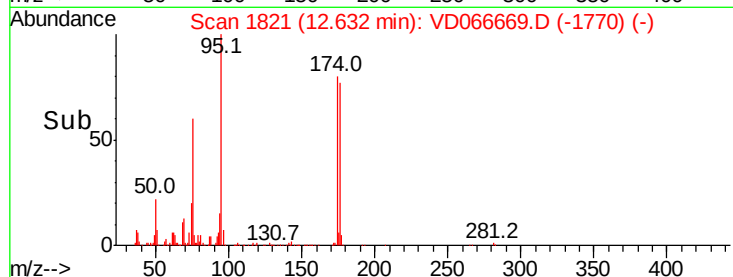
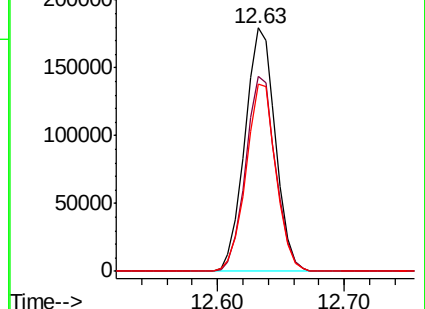
176 75.3 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

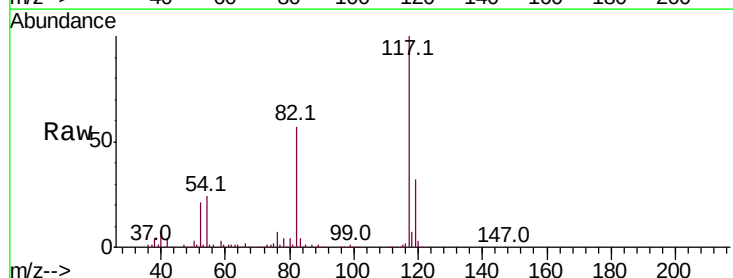
Tgt Ion: 117 Resp: 703280

Ion Ratio Lower Upper

117 100

82 56.8 46.2 69.2

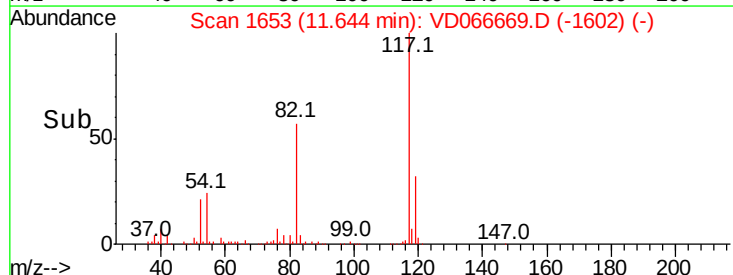
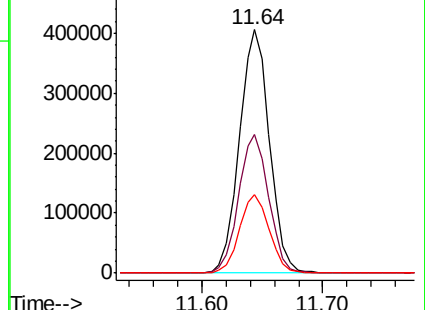
119 32.3 25.8 38.8

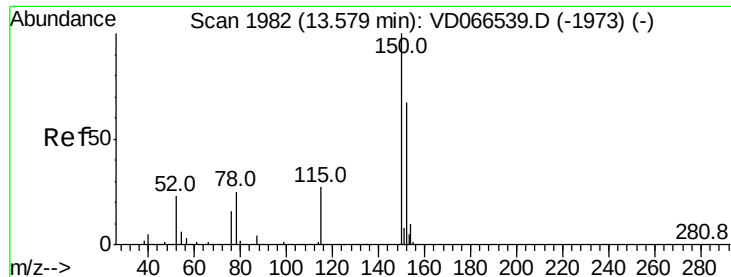


Abundance Ion 116.90 (116.60 to 117.60): VDC

Ion 82.00 (81.70 to 82.70): VDC

Ion 118.90 (118.60 to 119.60): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

Instrument :

MSVOA_D

ClientSampled :

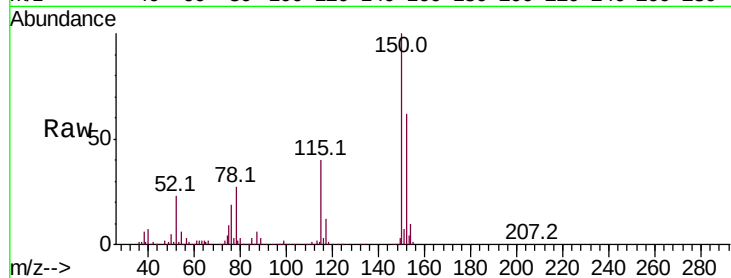
Tot Ion:152 Resp: 310030

Ion Ratio Lower Upper

152 100

115 62.2 30.4 91.2

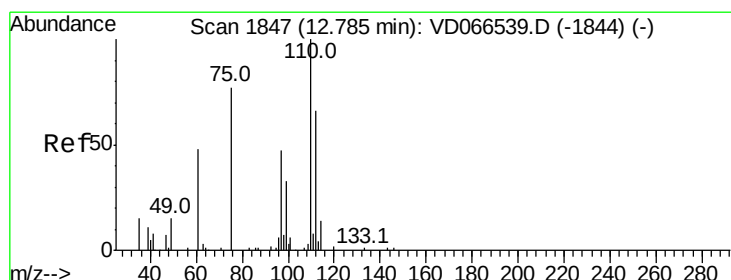
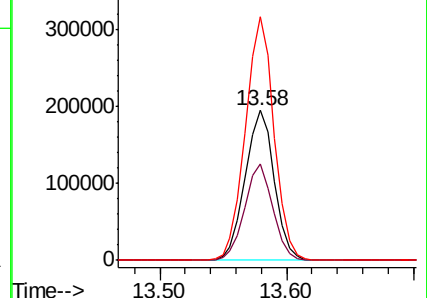
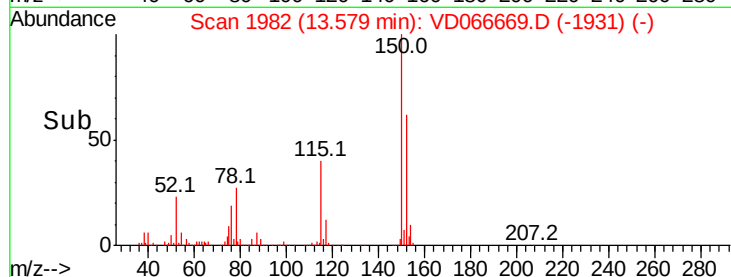
150 159.0 0.0 345.8



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: 57.996 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066669.D

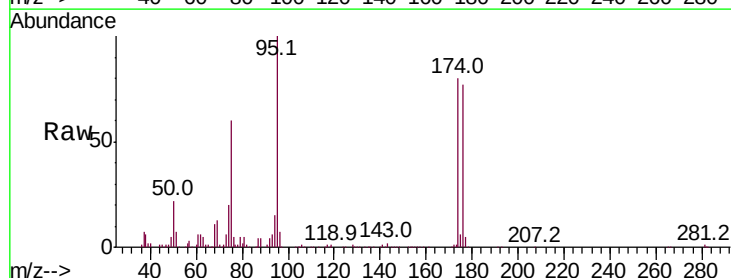
Acq: 14 Sep 2020 13:20

Tgt Ion: 75 Resp: 172923

Ion Ratio Lower Upper

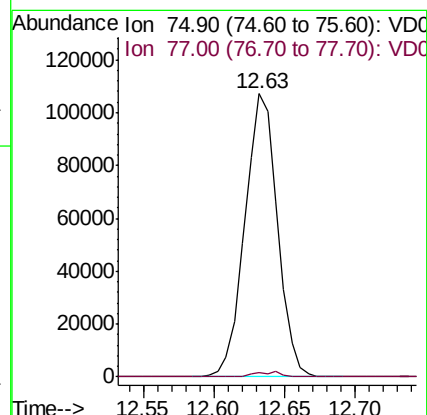
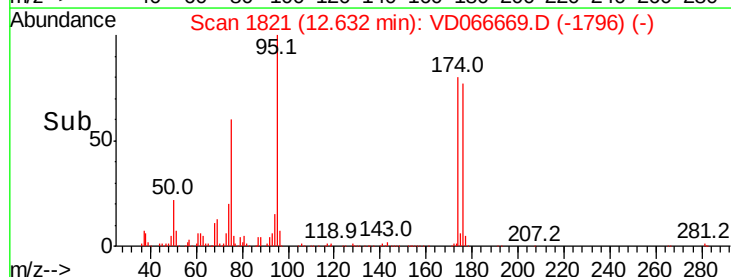
75 100

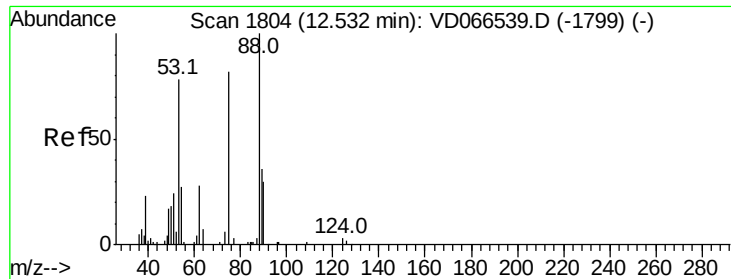
77 1.6 0.0 0.0#



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: 135.399 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066669.D

Acq: 14 Sep 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 172923

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#

