

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066547.D
 Acq On : 03 Sep 2020 21:23
 Operator : VA/SY
 Sample : L3871-01RE
 Misc : 6.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-090220

Quant Time: Sep 04 05:55:25 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	363909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	614105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258905	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	246083	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	
35) Dibromofluoromethane	7.91	113	231553	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.34	98	842629	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.63	95	259915	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

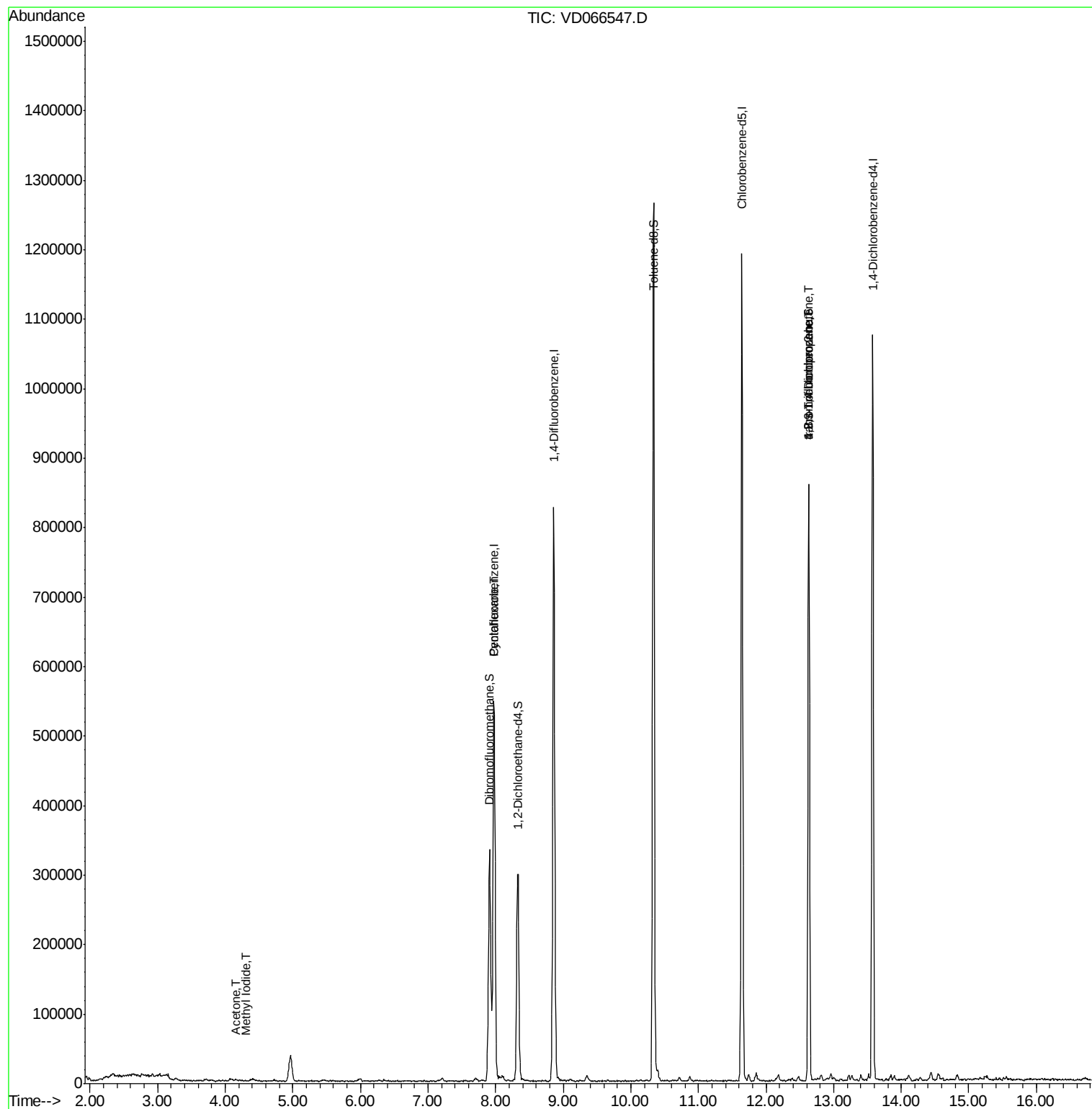
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1342	Below Cal		99
5) Bromomethane	2.77	94	1762	Below Cal		87
10) Methyl Iodide	4.31	142	857	4.235	ug/l #	84
11) Tert butyl alcohol	5.20	59	91	Below Cal	#	74
16) Acetone	4.15	43	2138	2.639	ug/l #	73
20) Methylene Chloride	4.97	84	27734	Below Cal	#	84
31) Cyclohexane	7.97	56	12871	1.792	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	151610	60.888	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151610	142.153	ug/l #	7

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

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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: VD066547.D

Acq: 03 Sep 2020 21:23

Instrument :

MSVOA_D

ClientSampleId :

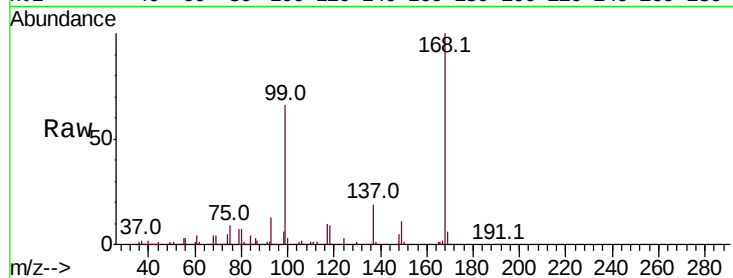
TR-05-090220

Tot Ion:168 Resp: 363909

Ion Ratio Lower Upper

168 100

99 65.6 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

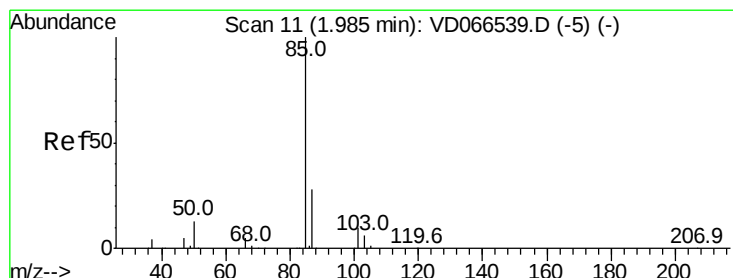
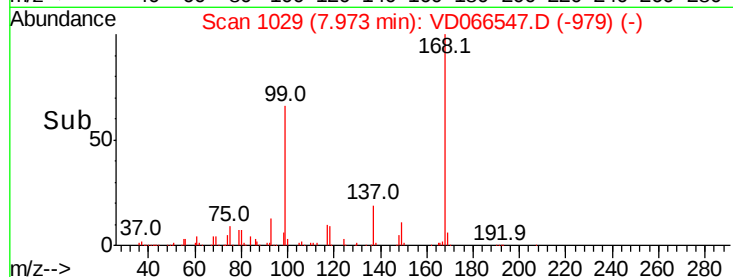
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066547.D

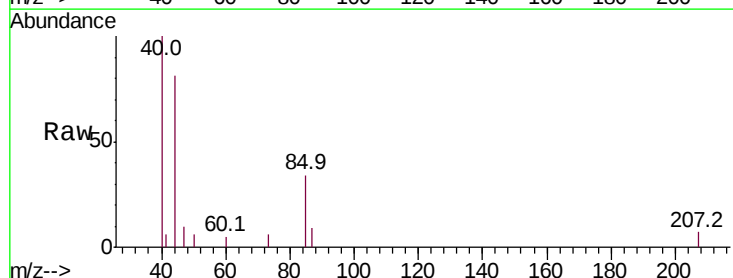
Acq: 03 Sep 2020 21:23

Tgt Ion: 85 Resp: 1342

Ion Ratio Lower Upper

85 100

87 27.7 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

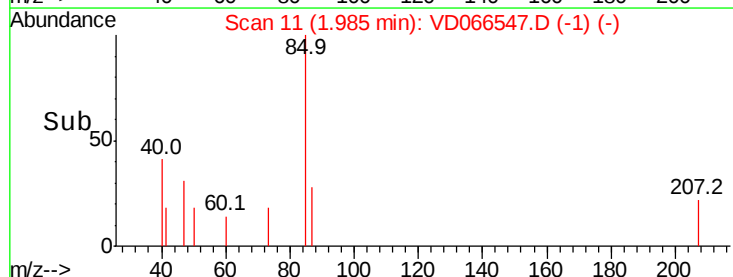
1.99

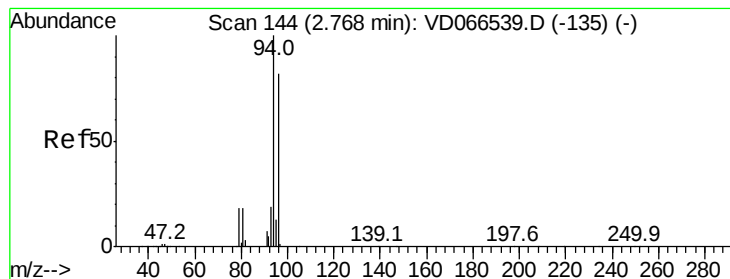
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066547.D

Acq: 03 Sep 2020 21:23

Instrument :

MSVOA_D

ClientSampleId :

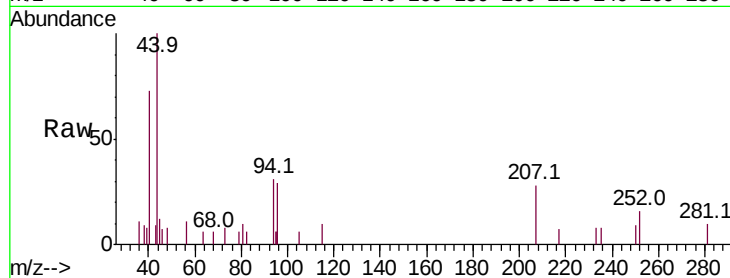
TR-05-090220

Tot Ion: 94 Resp: 1762

Ion Ratio Lower Upper

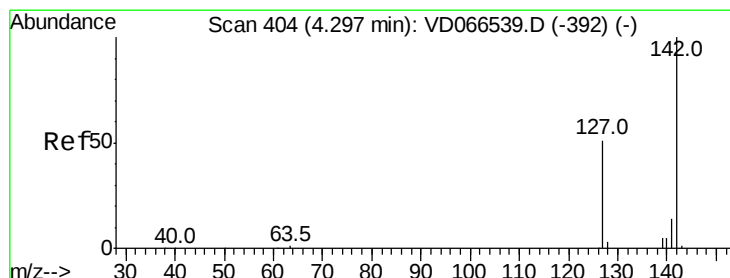
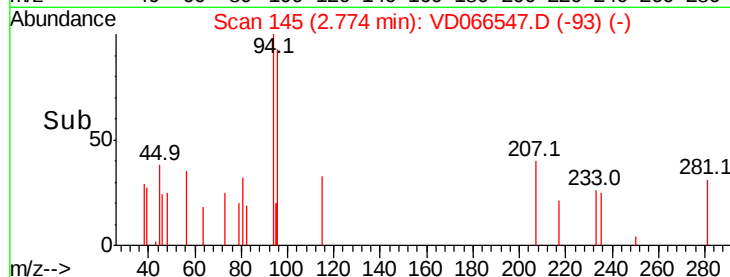
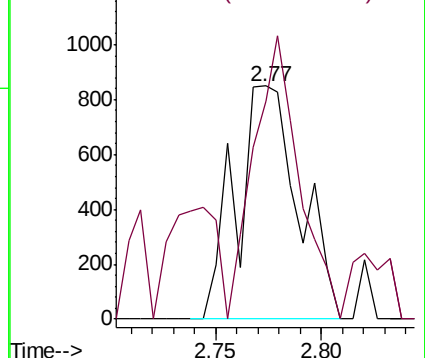
94 100

96 93.4 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: 4.235 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066547.D

Acq: 03 Sep 2020 21:23

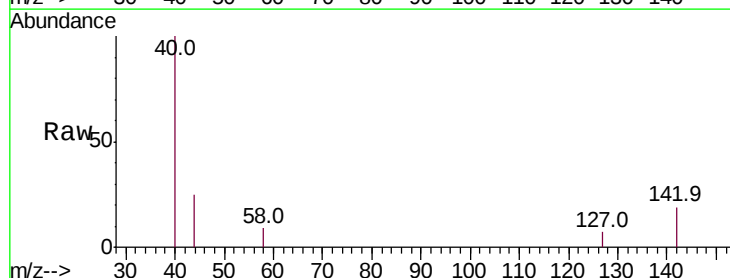
Tgt Ion: 142 Resp: 857

Ion Ratio Lower Upper

142 100

127 44.1 40.6 61.0

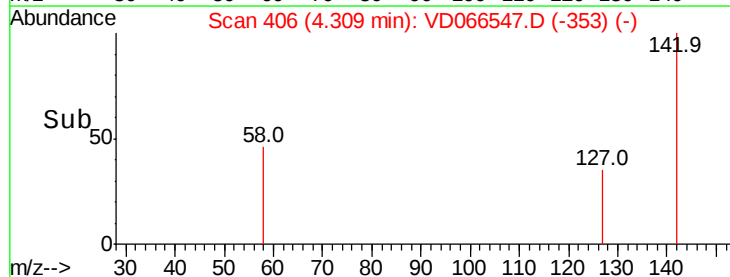
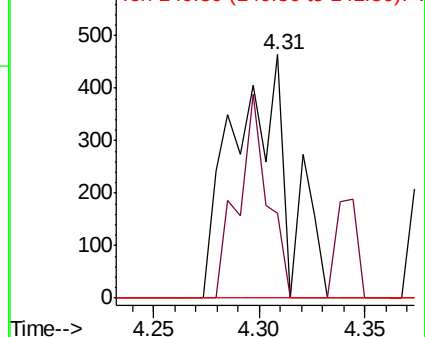
141 0.0 12.2 18.4#

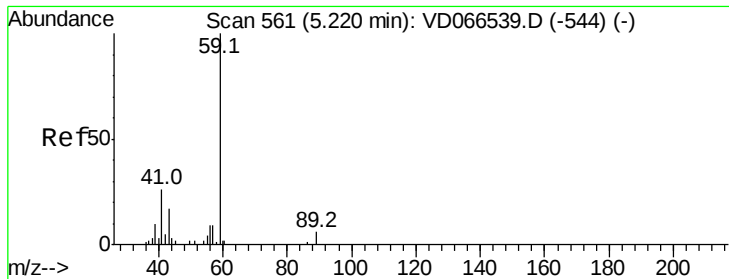


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



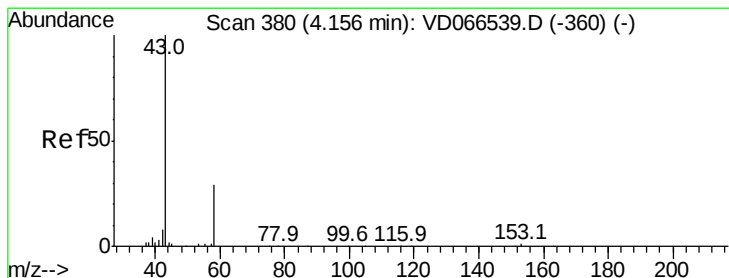
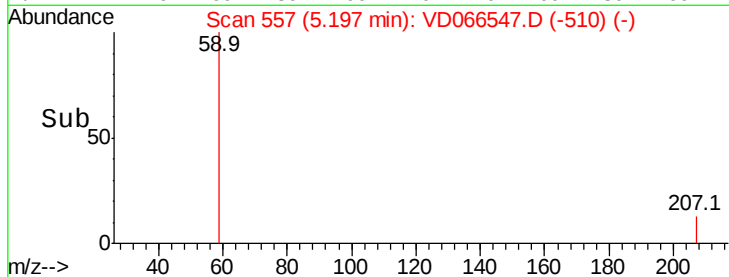
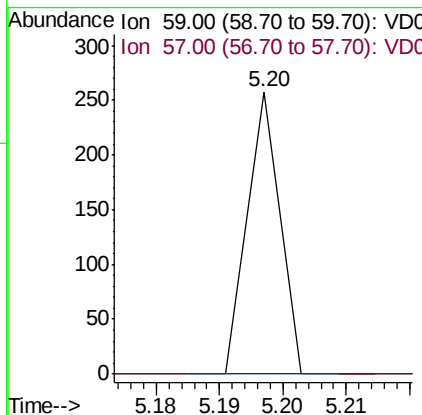
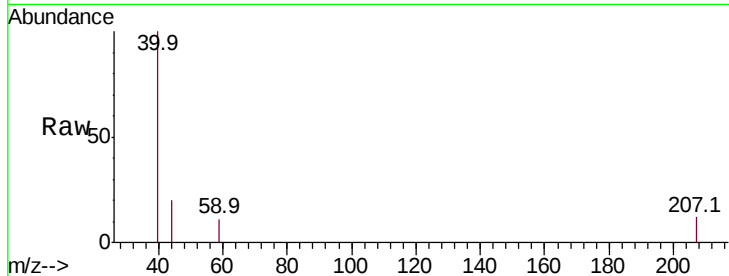


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD066547.D
Acq: 03 Sep 2020 21:23

Instrument :
MSVOA_D
ClientSampleId :
TR-05-090220

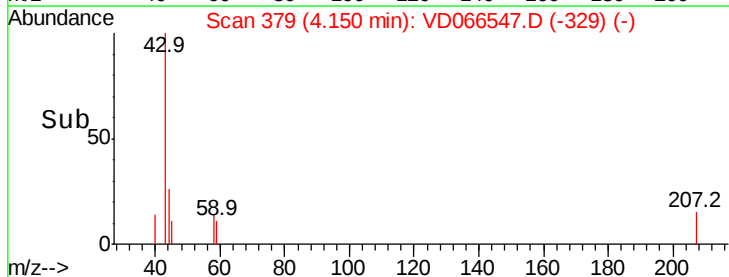
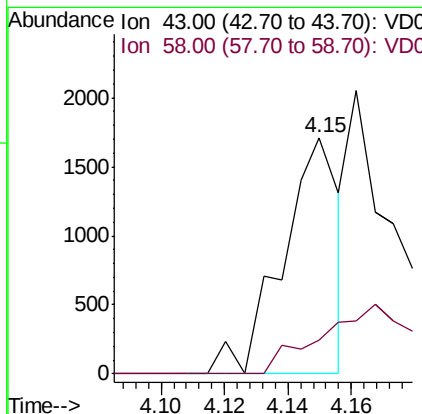
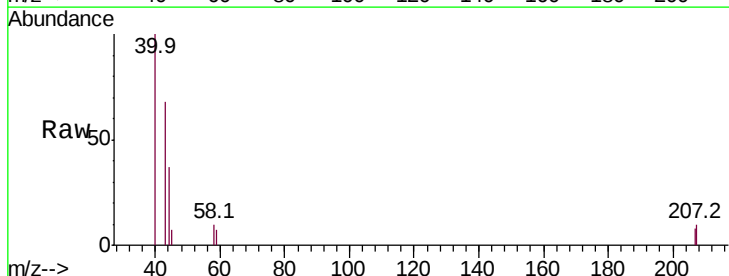
Tot Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

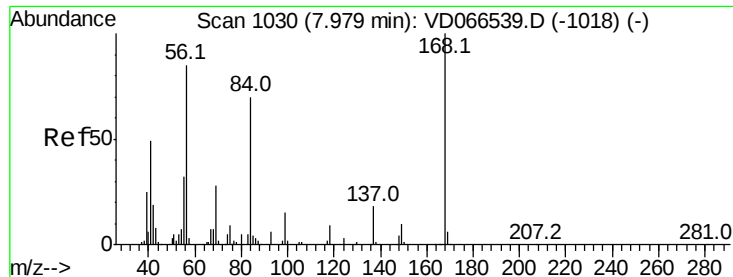


#16

Acetone
Concen: 2.639 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066547.D
Acq: 03 Sep 2020 21:23

Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
58 14.1 22.9 34.3#

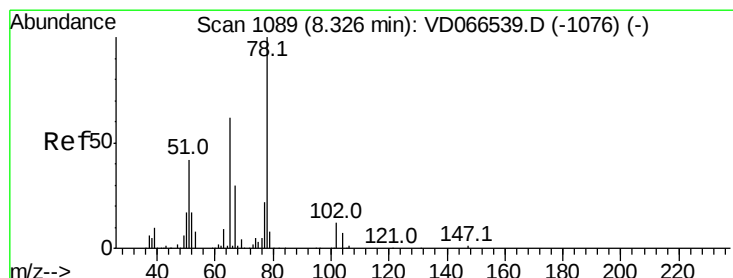
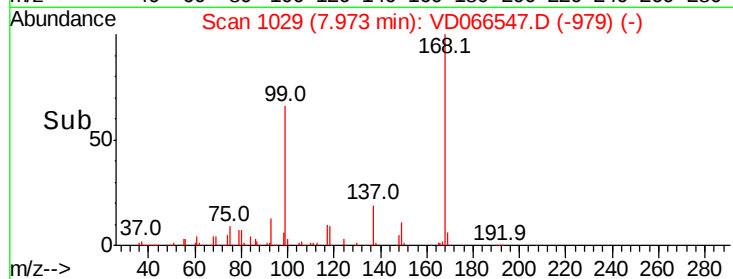
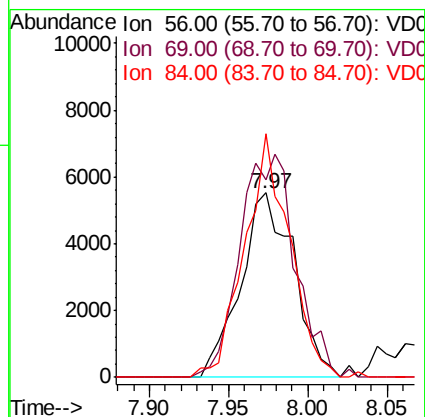
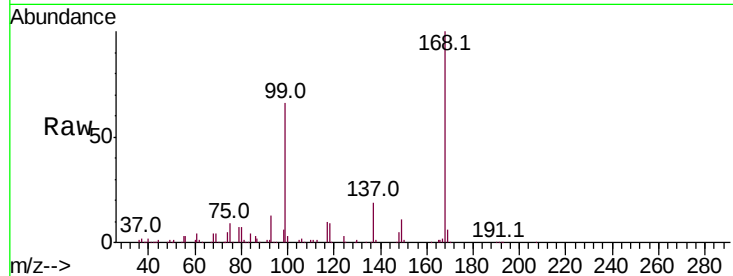




#31
Cyclohexane
Concen: 1.792 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066547.D
Acq: 03 Sep 2020 21:23

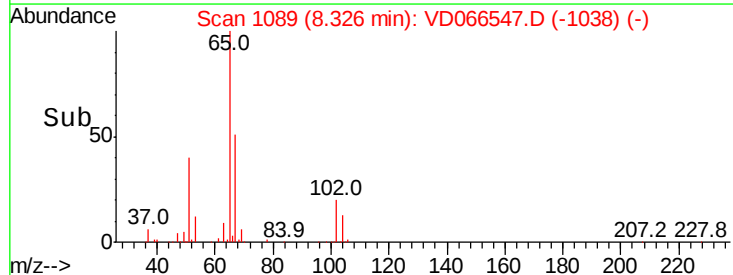
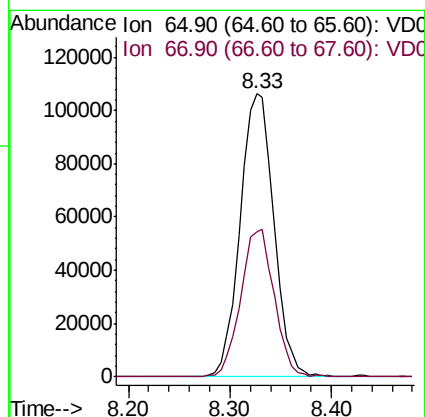
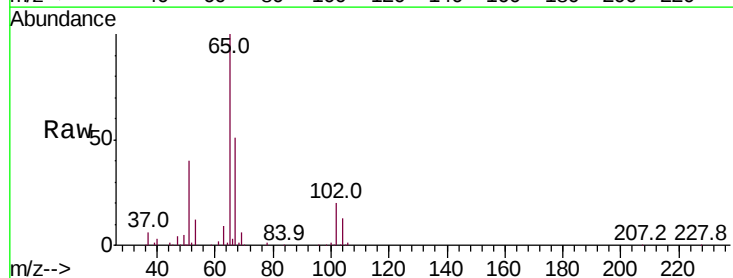
Instrument :
MSVOA_D
ClientSampleId :
TR-05-090220

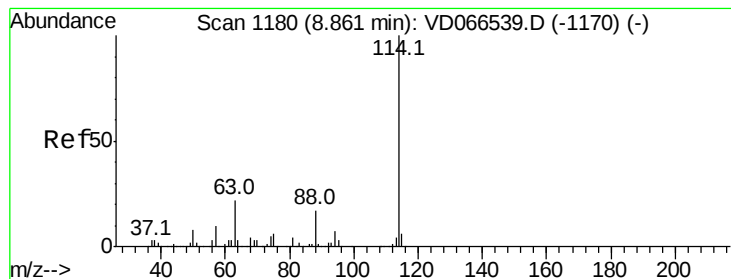
Tot Ion: 56 Resp: 12871
Ion Ratio Lower Upper
56 100
69 107.1 26.3 39.5#
84 132.1 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 55.890 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066547.D
Acq: 03 Sep 2020 21:23

Tgt Ion: 65 Resp: 246083
Ion Ratio Lower Upper
65 100
67 51.5 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: VD066547.D

Acq: 03 Sep 2020 21:23

Instrument :

MSVOA_D

ClientSampleId :

TR-05-090220

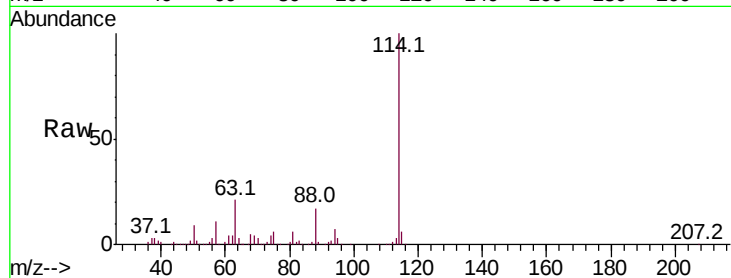
Tot Ion:114 Resp: 674633

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

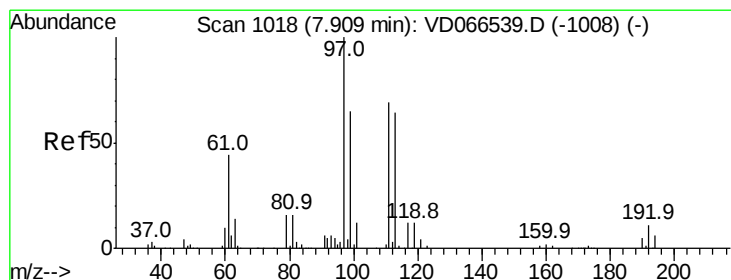
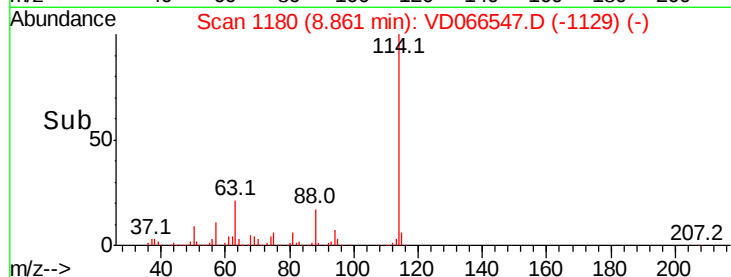
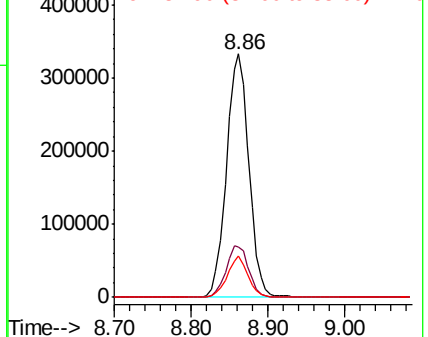
88 16.8 0.0 33.2



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: 50.878 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066547.D

Acq: 03 Sep 2020 21:23

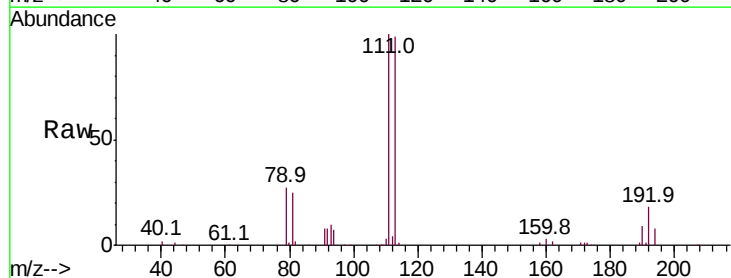
Tgt Ion:113 Resp: 231553

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

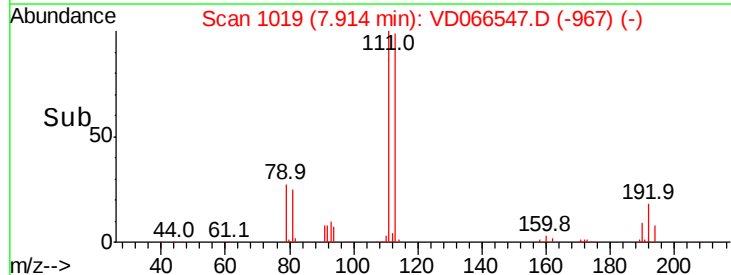
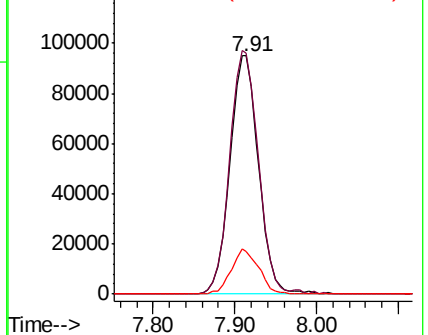
192 18.1 13.7 20.5

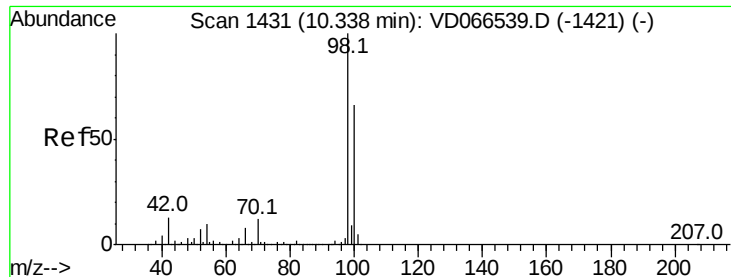


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.802 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066547.D

Acq: 03 Sep 2020 21:23

Instrument :

MSVOA_D

ClientSampleId :

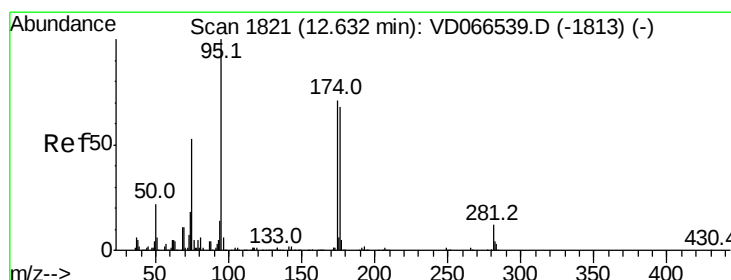
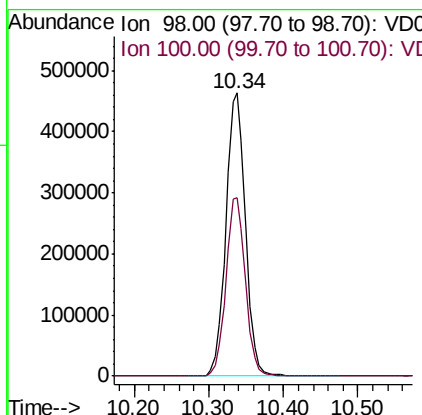
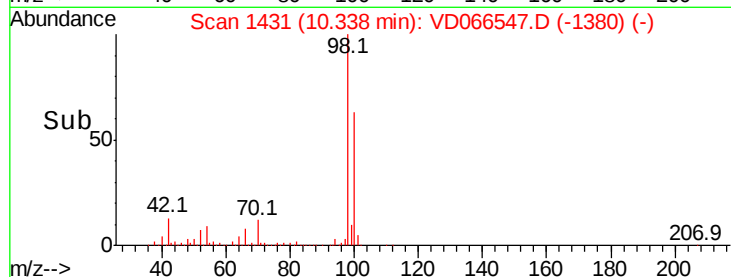
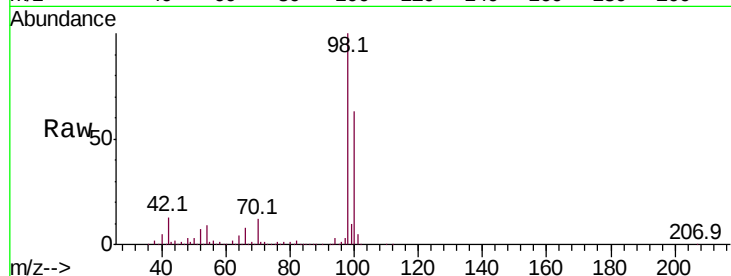
TR-05-090220

Tot Ion: 98 Resp: 842629

Ion Ratio Lower Upper

98 100

100 63.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 48.188 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066547.D

Acq: 03 Sep 2020 21:23

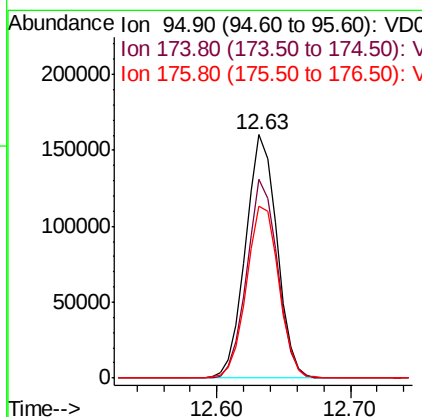
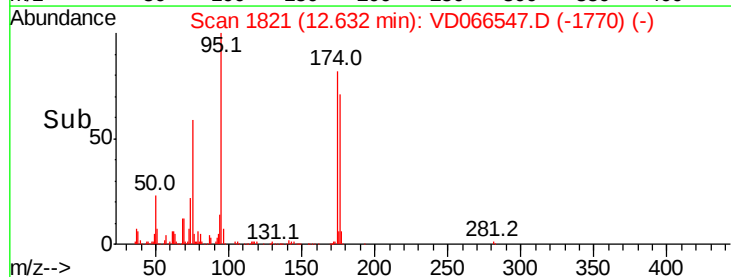
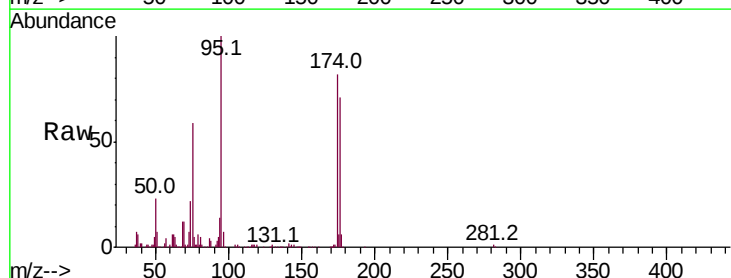
Tgt Ion: 95 Resp: 259915

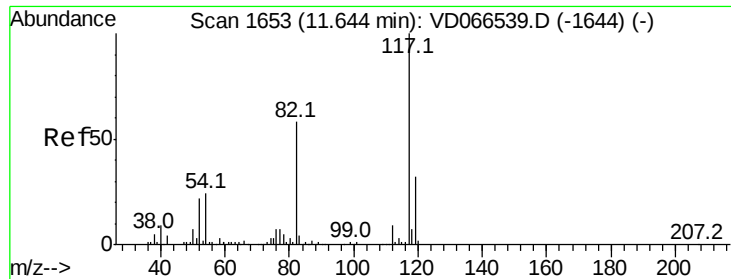
Ion Ratio Lower Upper

95 100

174 79.4 0.0 155.8

176 72.5 0.0 148.6

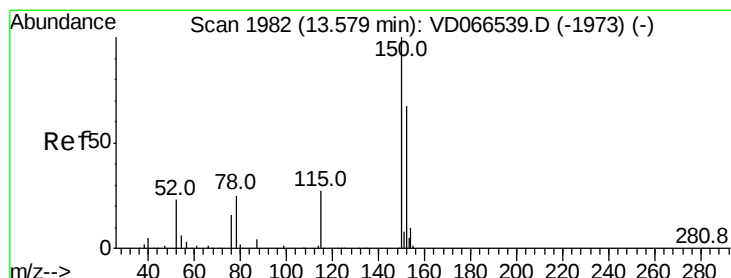
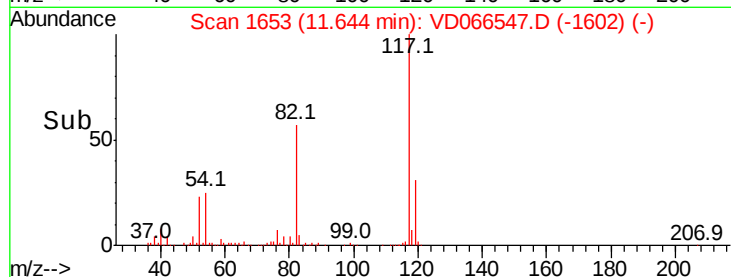
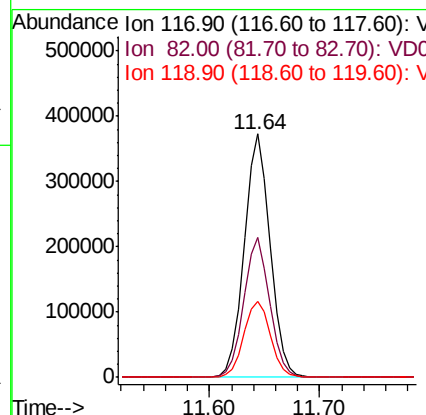
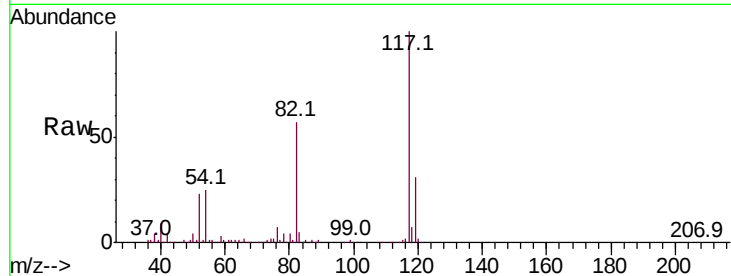




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066547.D
Acq: 03 Sep 2020 21:23

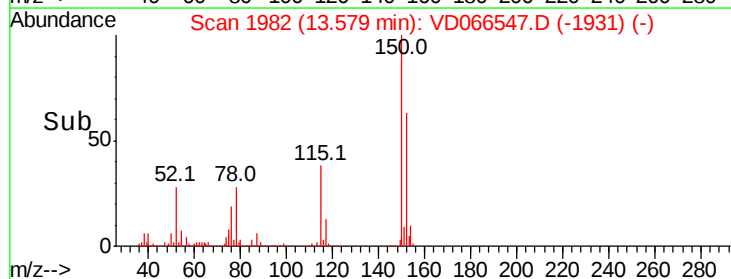
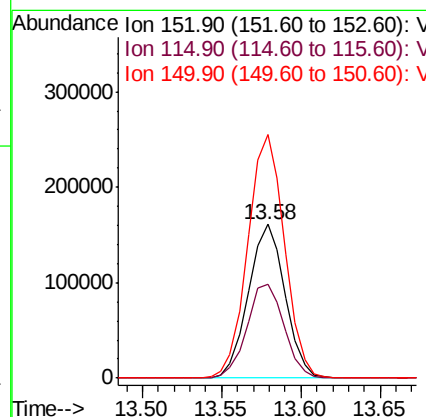
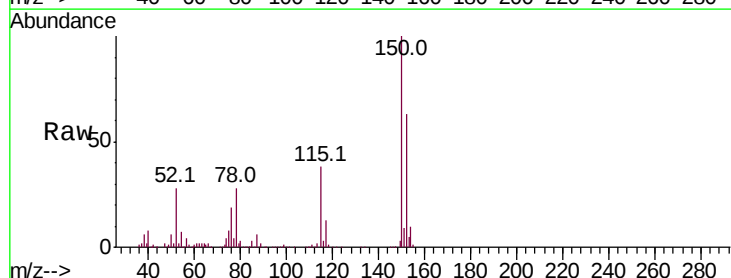
Instrument :
MSVOA_D
ClientSampleId :
TR-05-090220

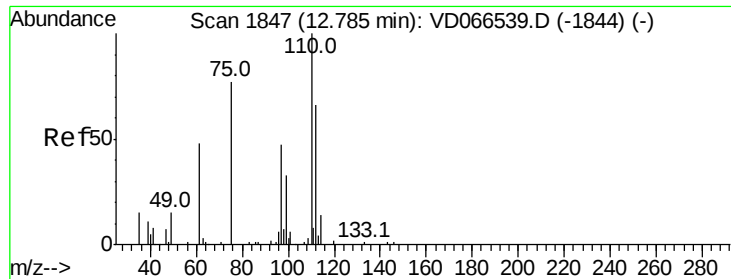
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.2	69.2
119	31.2	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066547.D
Acq: 03 Sep 2020 21:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.4	91.2
150	158.1	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 60.888 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066547.D

Acq: 03 Sep 2020 21:23

Instrument :

MSVOA_D

ClientSampled :

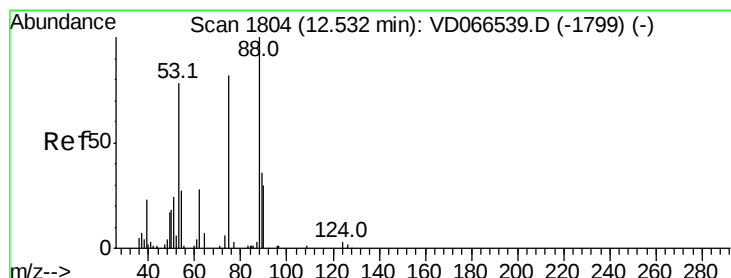
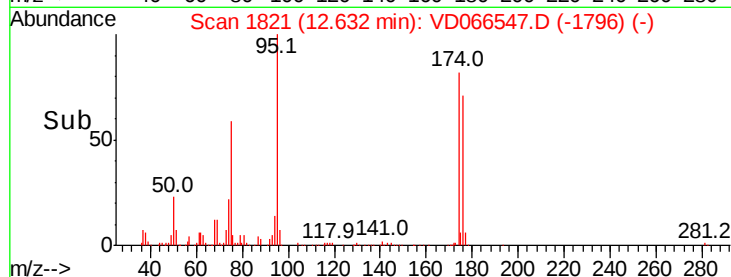
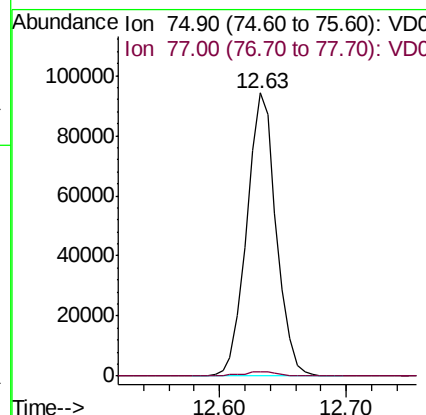
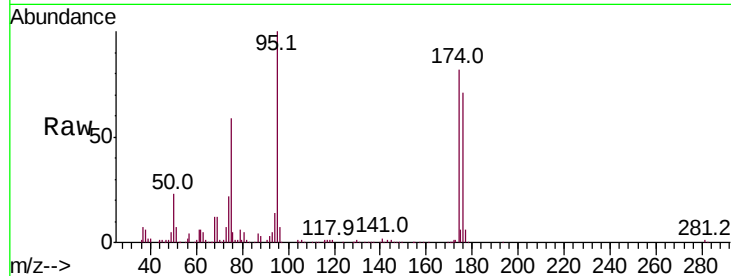
TR-05-090220

Tot Ion: 75 Resp: 151610

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.153 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066547.D

Acq: 03 Sep 2020 21:23

Tgt Ion: 75 Resp: 151610

Ion Ratio Lower Upper

75 100

53 0.3 87.0 130.4#

89 0.0 37.1 55.7#

