

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066597.D
 Acq On : 09 Sep 2020 23:27
 Operator : VA/SY
 Sample : VD0909SBL02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBL02

Quant Time: Sep 10 02:38:44 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	7.98	168	286661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	542220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	495065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206803	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	216933	62.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.10%	
35) Dibromofluoromethane	7.91	113	196298	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
50) Toluene-d8	10.34	98	669456	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.63	95	210625	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	

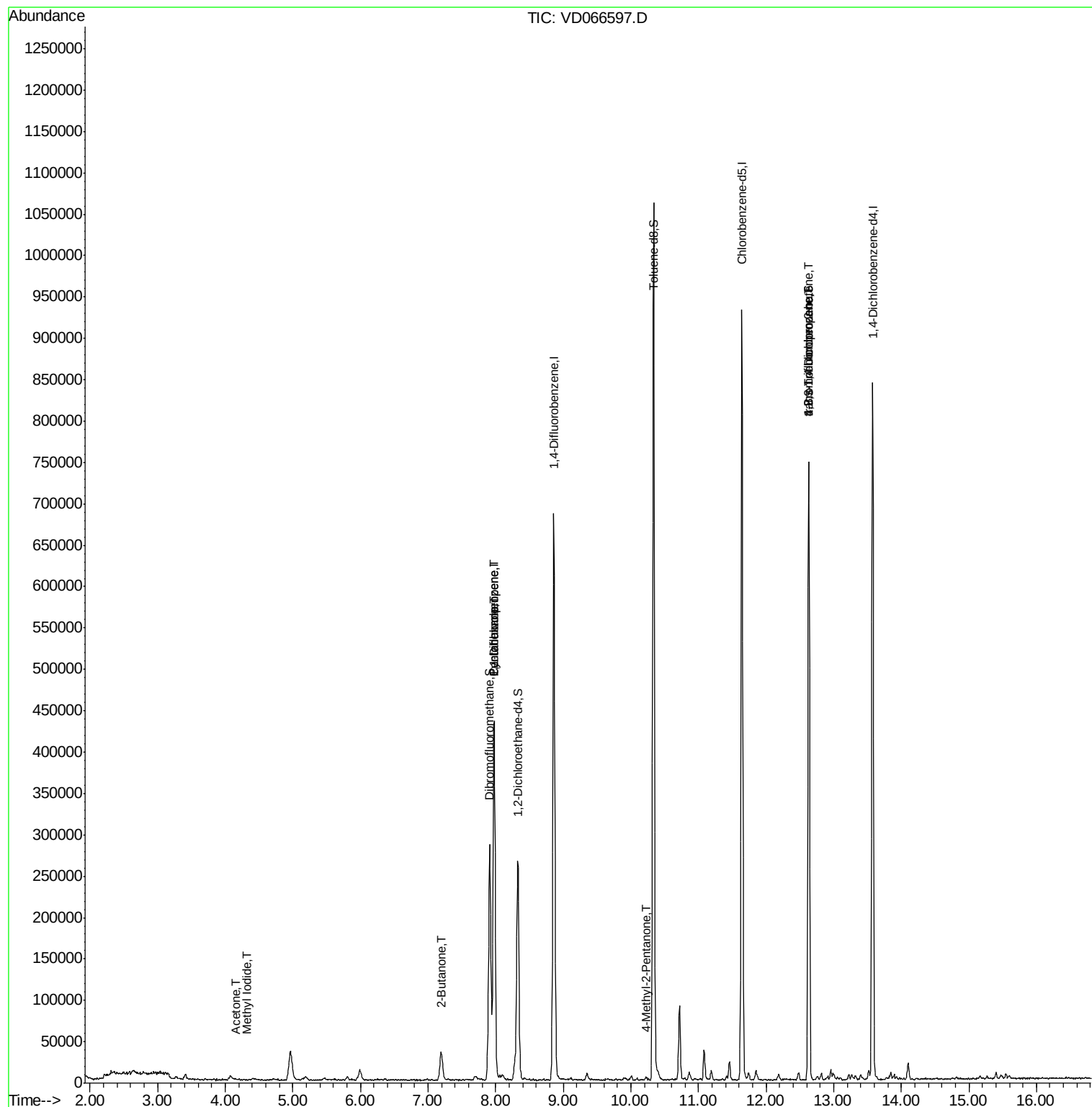
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1503	Below Cal	#	59
5) Bromomethane	2.77	94	1704	Below Cal	#	74
10) Methyl Iodide	4.31	142	223	4.093	ug/l #	82
11) Tert butyl alcohol	5.18	59	2997	Below Cal	#	74
16) Acetone	4.16	43	851	1.334	ug/l #	46
25) 2-Butanone	7.20	43	2634	3.075	ug/l	94
31) Cyclohexane	7.97	56	10962	1.937	ug/l #	26
36) 1,1-Dichloropropene	7.97	75	28015	4.965	ug/l #	50
51) 4-Methyl-2-Pentanone	10.22	43	2786	1.283	ug/l #	83
76) 1,2,3-Trichloropropane	12.63	75	122648	61.667	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	122648	143.970	ug/l #	7

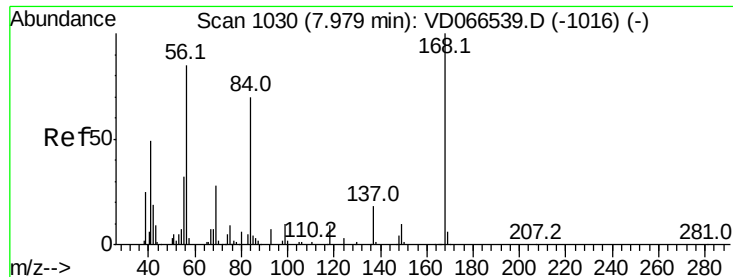
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

Instrument :

MSVOA_D

ClientSampleId :

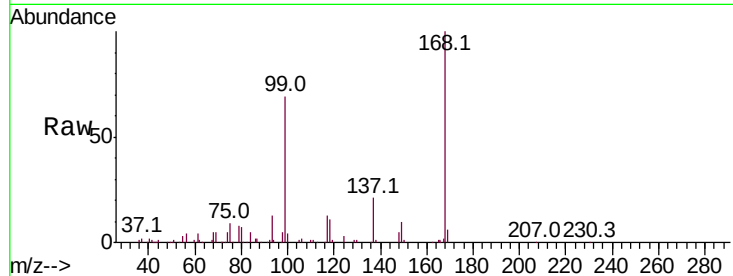
VD0909SBL02

Tot Ion:168 Resp: 286661

Ion Ratio Lower Upper

168 100

99 68.8 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

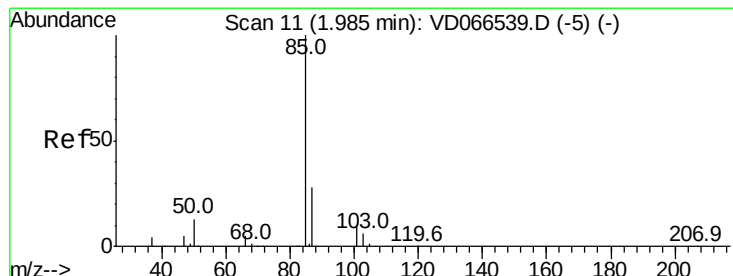
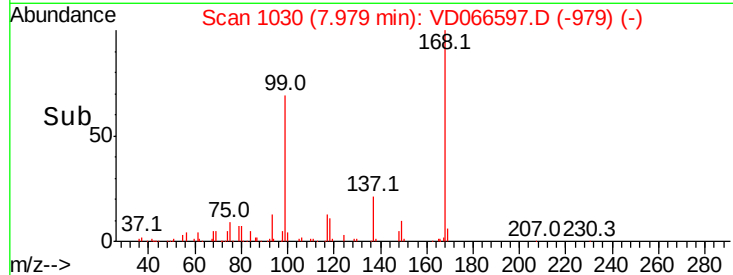
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066597.D

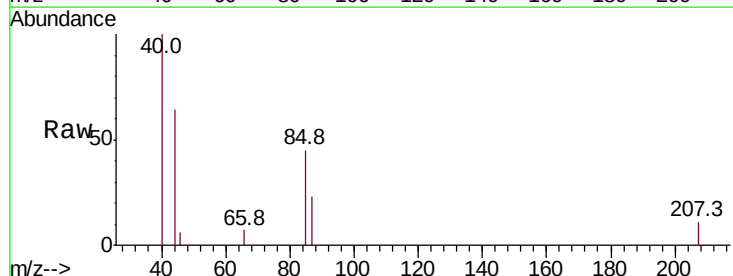
Acq: 09 Sep 2020 23:27

Tgt Ion: 85 Resp: 1503

Ion Ratio Lower Upper

85 100

87 50.2 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

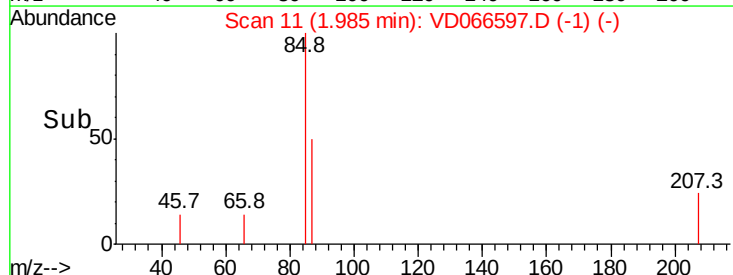
1500

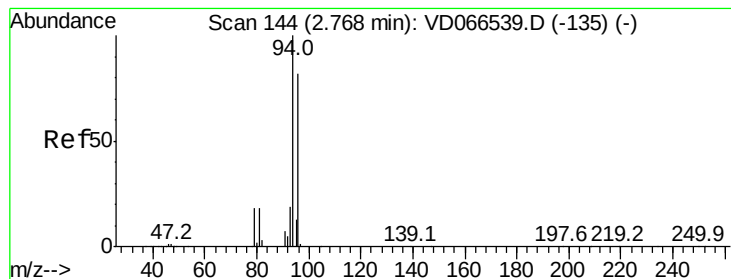
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

Instrument :

MSVOA_D

ClientSampleId :

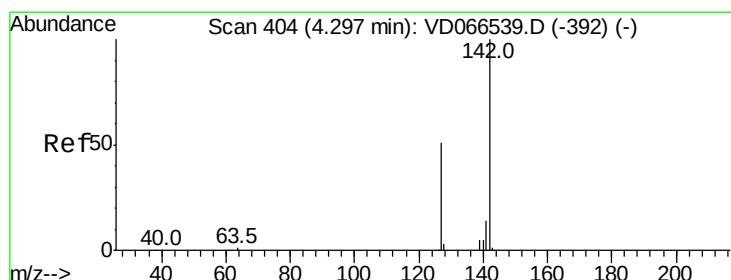
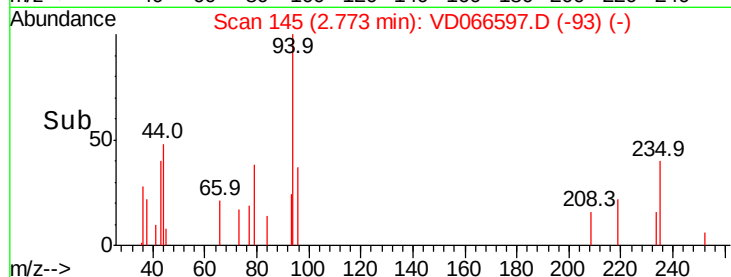
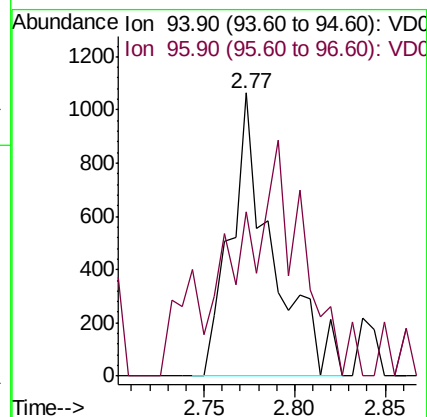
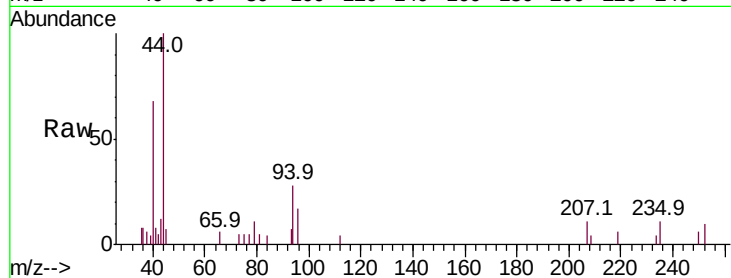
VD0909SBL02

Tot Ion: 94 Resp: 1704

Ion Ratio Lower Upper

94 100

96 58.0 65.2 97.8#



#10

Methyl Iodide

Concen: 4.093 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

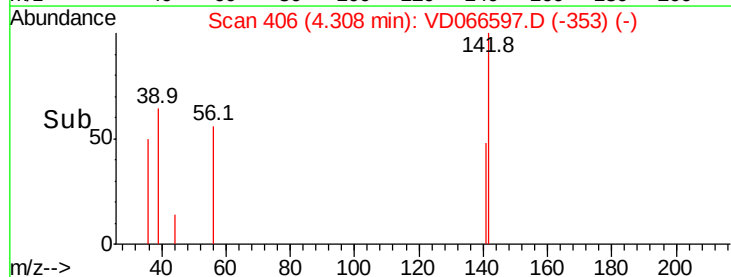
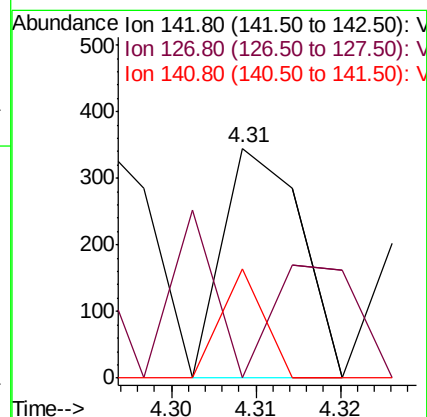
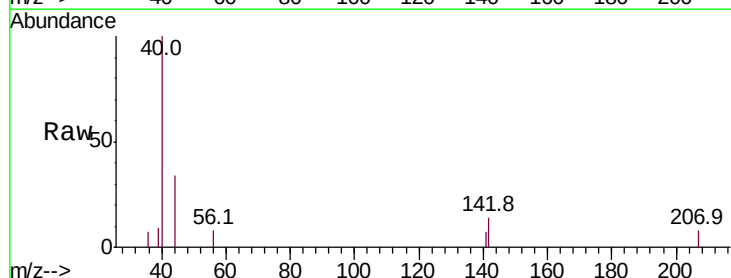
Tgt Ion: 142 Resp: 223

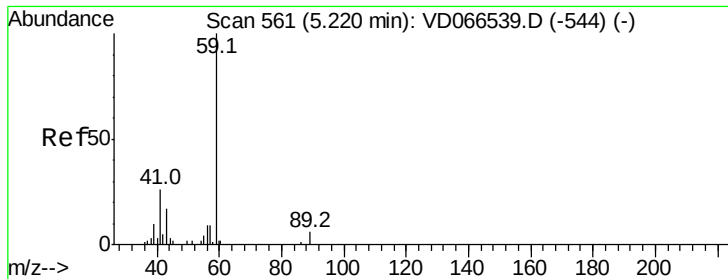
Ion Ratio Lower Upper

142 100

127 39.9 40.6 61.0#

141 26.0 12.2 18.4#



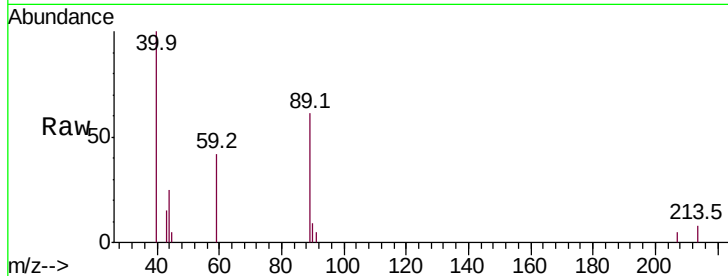


#11

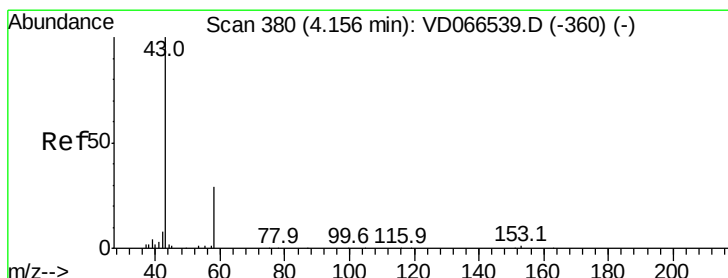
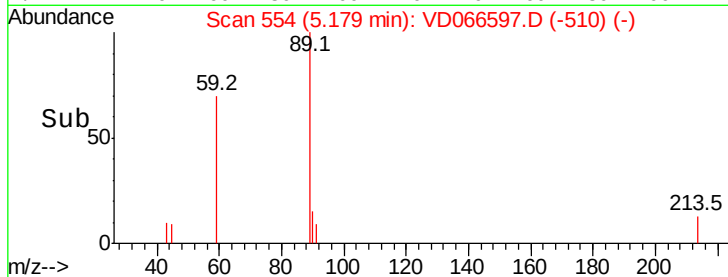
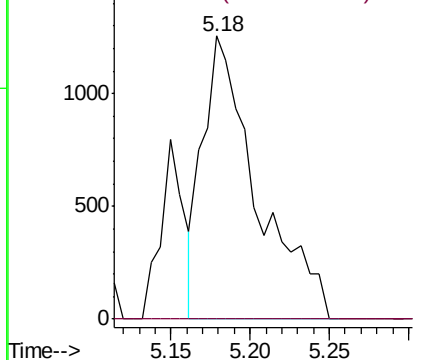
Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 554
Delta R.T. -0.04 min
Lab File: VD066597.D
Acq: 09 Sep 2020 23:27

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBL02

Tot Ion: 59 Resp: 2997
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



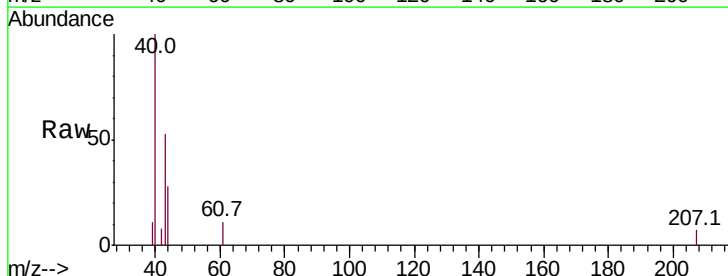
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



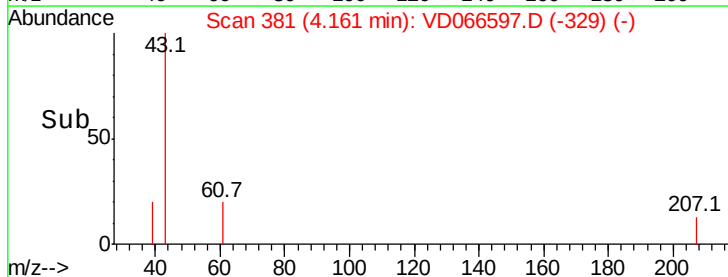
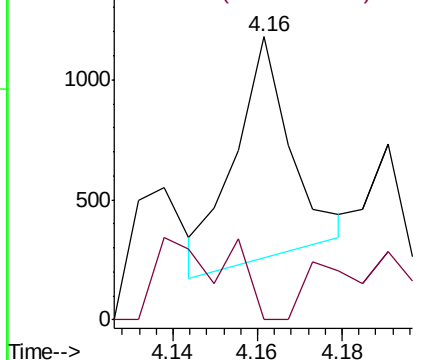
#16

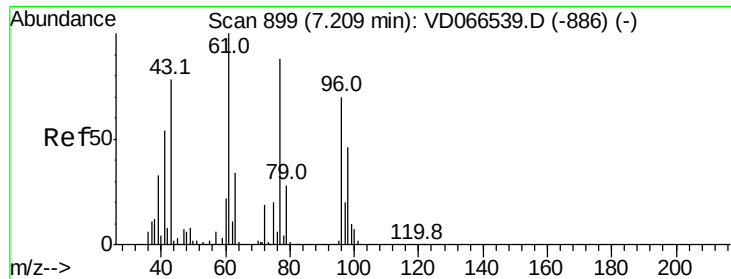
Acetone
Concen: 1.334 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066597.D
Acq: 09 Sep 2020 23:27

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



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





#25

2-Butanone

Concen: 3.075 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

Instrument :

MSVOA_D

ClientSampleId :

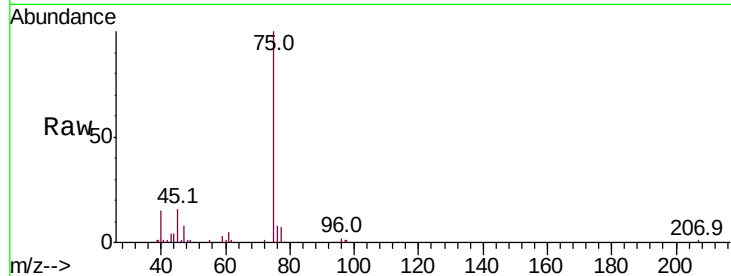
VD0909SBL02

Tot Ion: 43 Resp: 2634

Ion Ratio Lower Upper

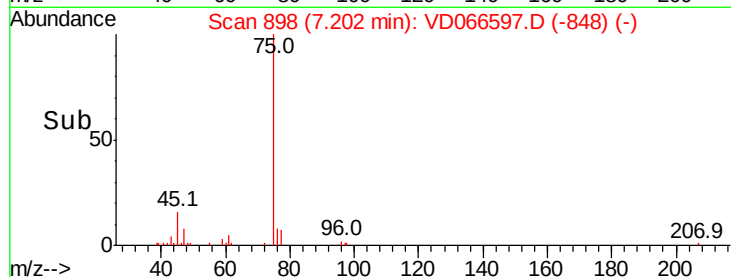
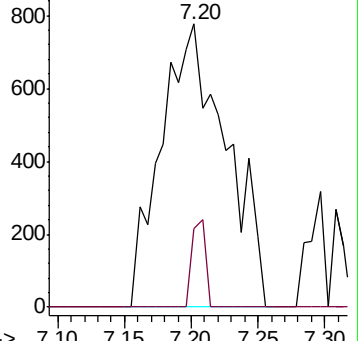
43 100

72 27.9 19.8 29.6

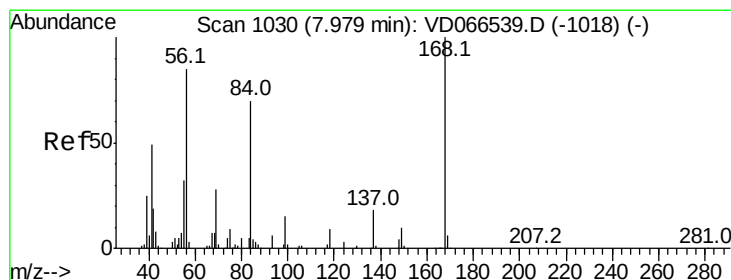


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.937 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

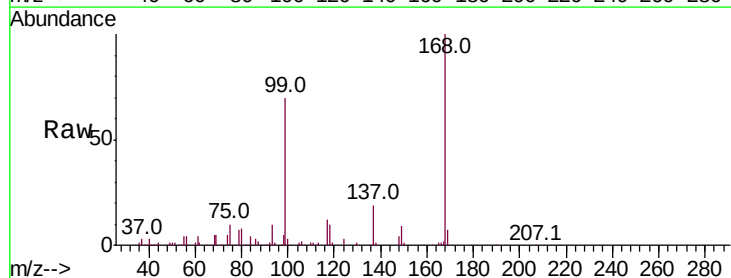
Tgt Ion: 56 Resp: 10962

Ion Ratio Lower Upper

56 100

69 135.8 26.3 39.5#

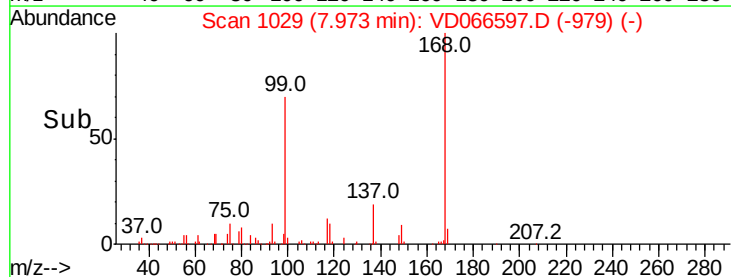
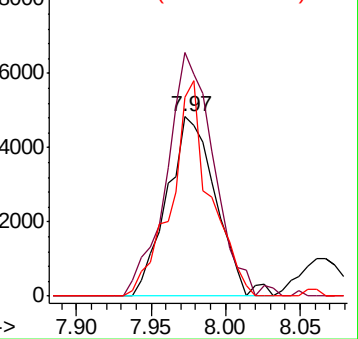
84 110.6 66.1 99.1#



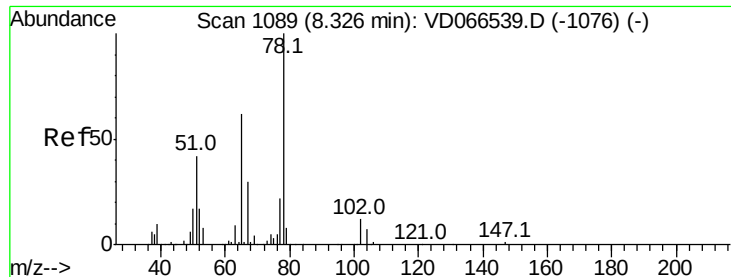
Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->



#33

1,2-Dichloroethane-d4

Concen: 62.547 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

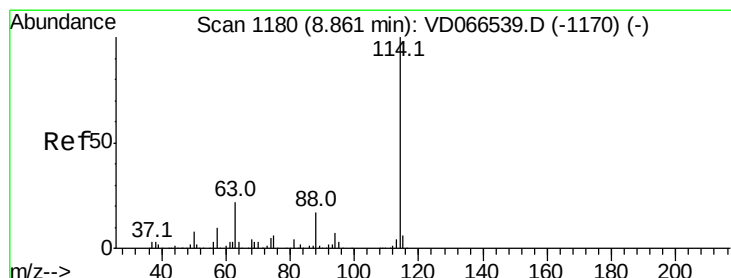
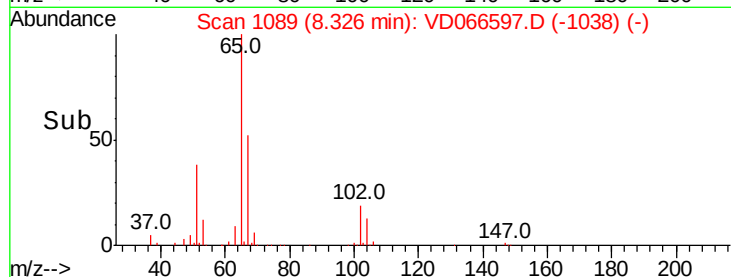
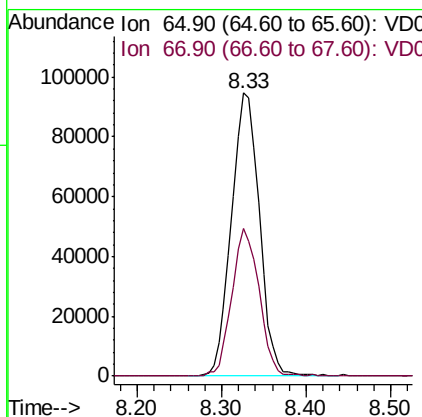
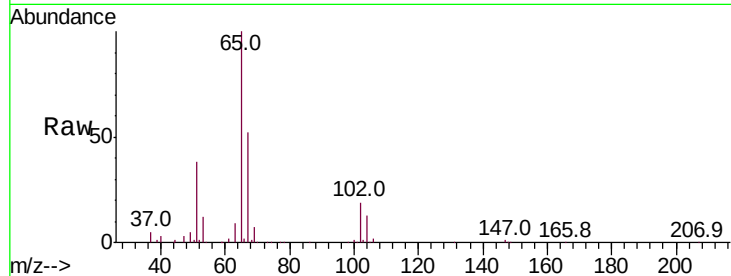
Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBL02

Tot Ion: 65 Resp: 216933

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

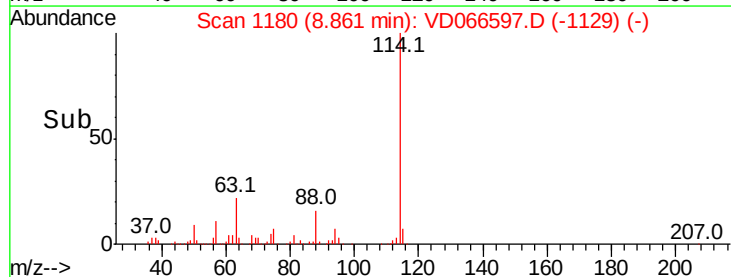
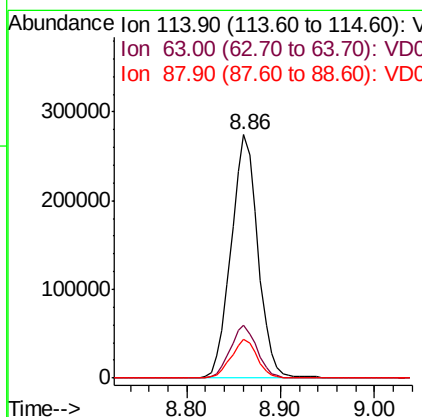
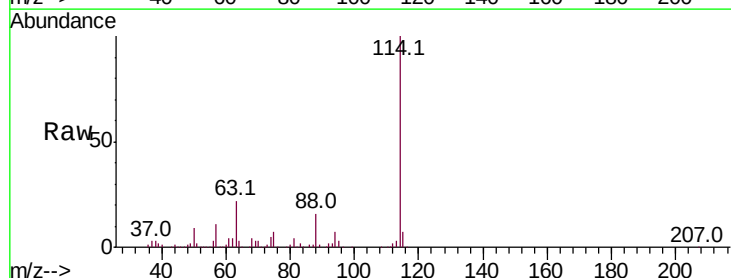
Delta R.T. -0.00 min

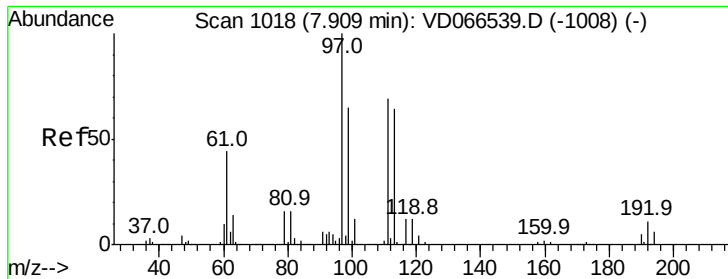
Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

Tgt Ion: 114 Resp: 542220

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.0	0.0	33.2

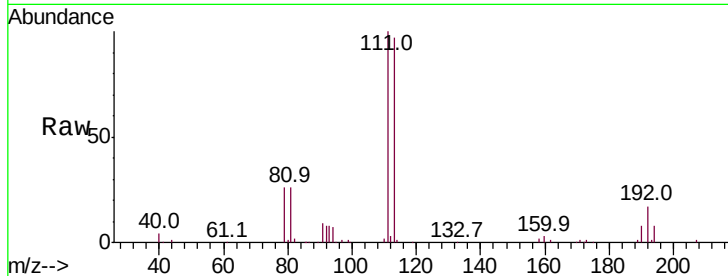




#35
 Dibromofluoromethane
 Concen: 53.665 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066597.D
 Acq: 09 Sep 2020 23:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBL02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.2	124.8
192	18.3	13.7	20.5

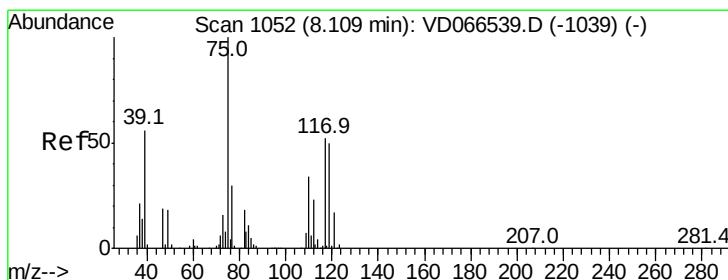
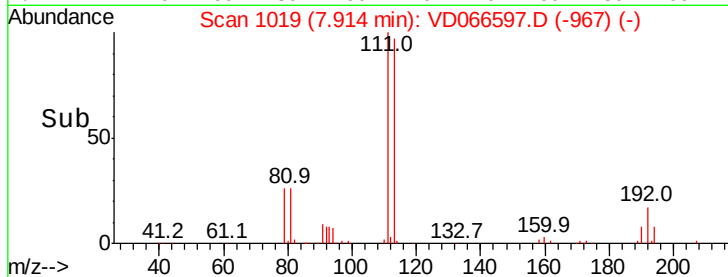
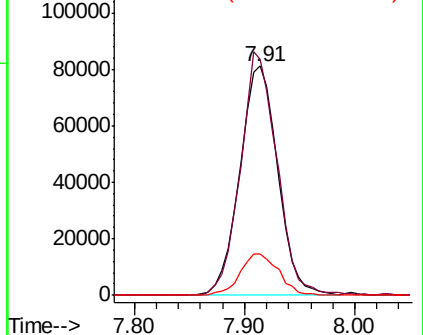


Abundance

Ion 112.80 (112.50 to 113.50): V

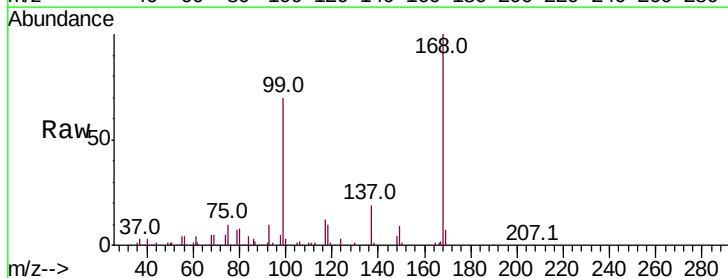
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.965 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066597.D
 Acq: 09 Sep 2020 23:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.3	52.0#
77	0.3	25.1	37.7#

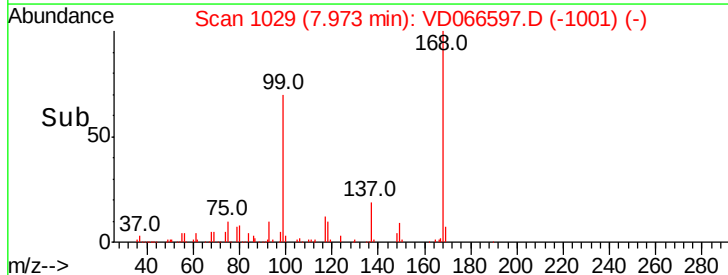
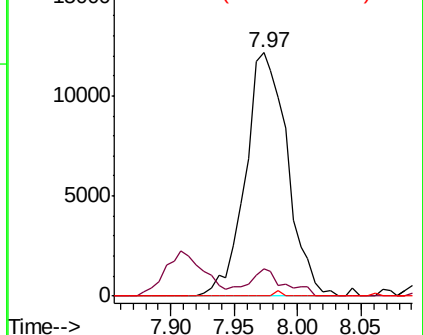


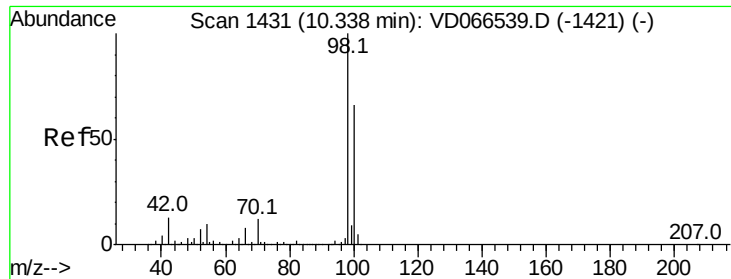
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

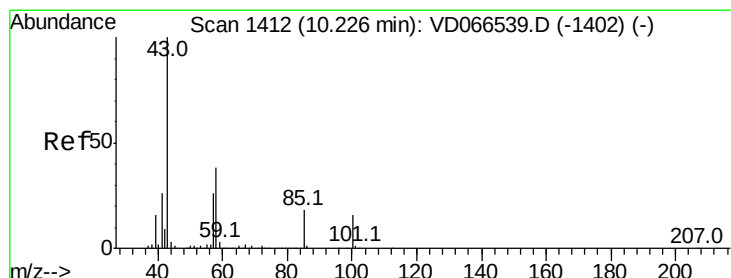
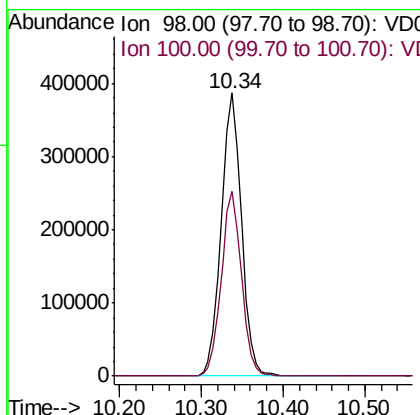
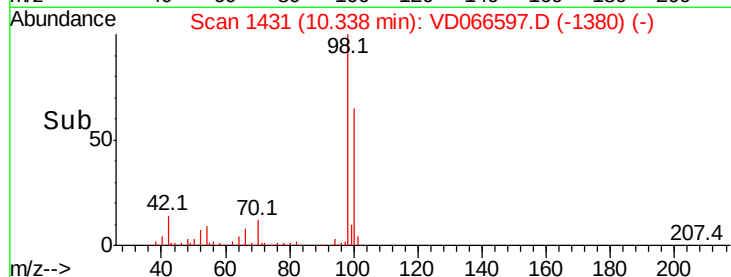
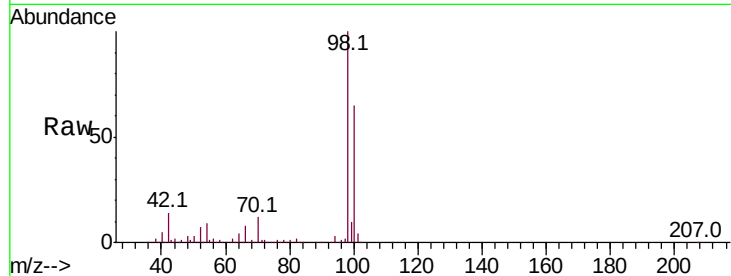




#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066597.D
Acq: 09 Sep 2020 23:27

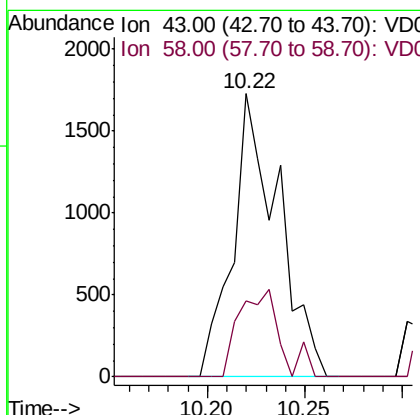
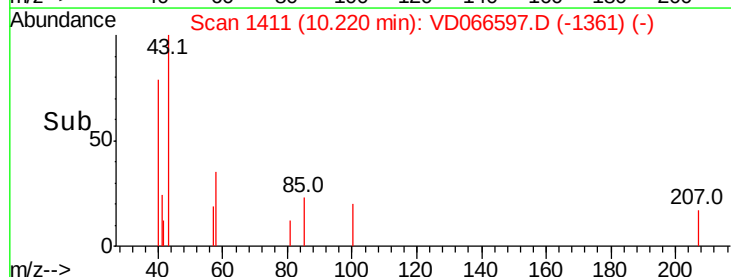
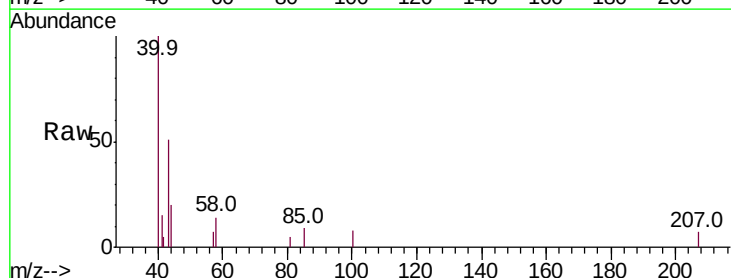
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBL02

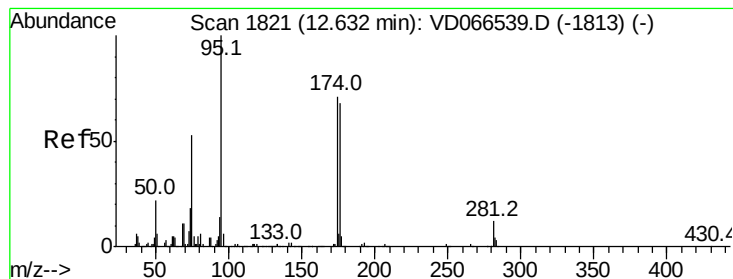
Tot Ion: 98 Resp: 669456
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.283 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD066597.D
Acq: 09 Sep 2020 23:27

Tgt Ion: 43 Resp: 2786
Ion Ratio Lower Upper
43 100
58 27.7 30.5 45.7#





#62

4-Bromofluorobenzene

Concen: 48.586 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBL02

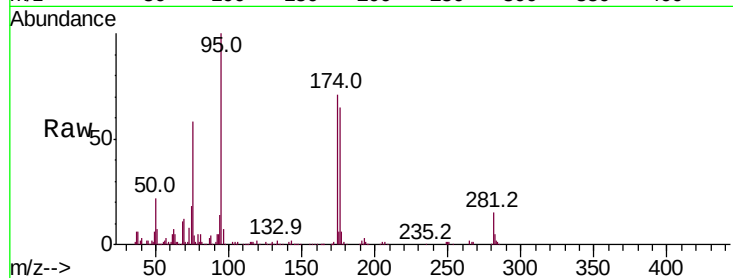
Tot Ion: 95 Resp: 210625

Ion Ratio Lower Upper

95 100

174 76.4 0.0 155.8

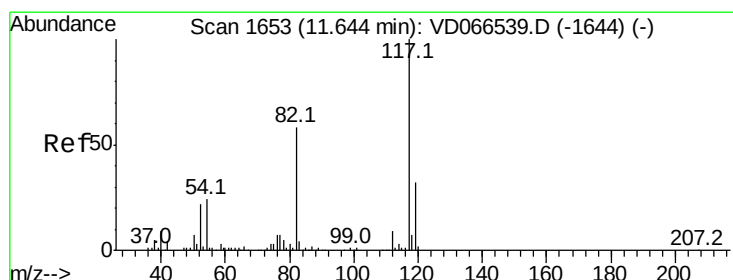
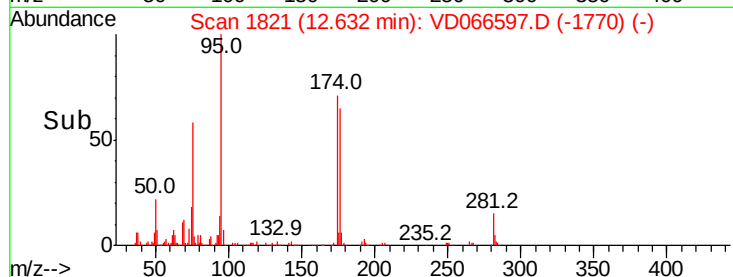
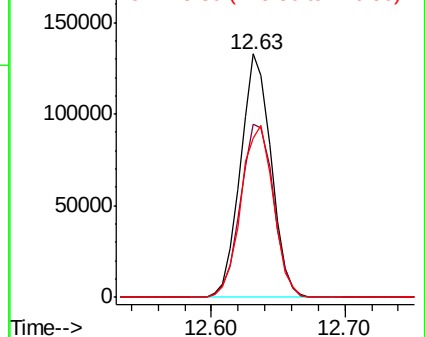
176 74.3 0.0 148.6



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: VD066597.D

Acq: 09 Sep 2020 23:27

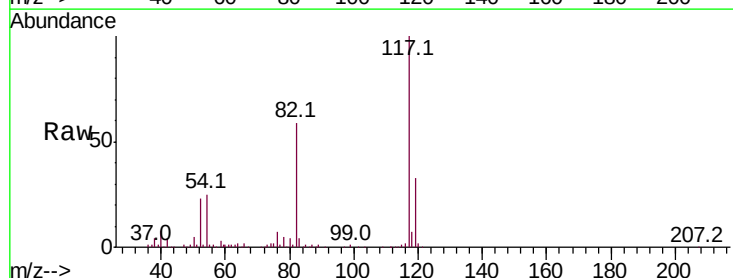
Tgt Ion: 117 Resp: 495065

Ion Ratio Lower Upper

117 100

82 58.5 46.2 69.2

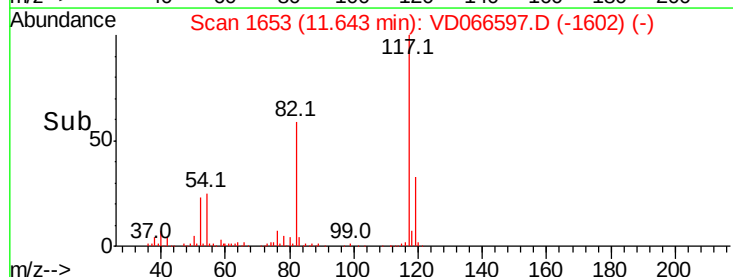
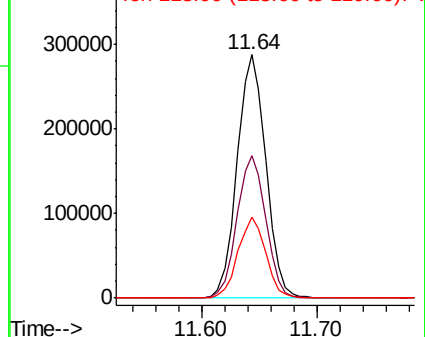
119 33.2 25.8 38.8

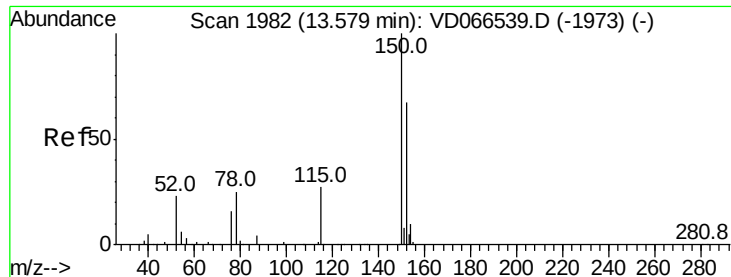


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

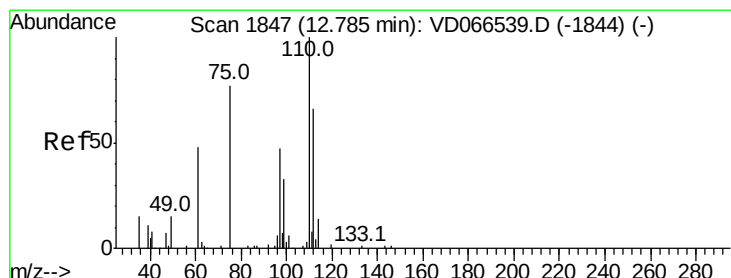
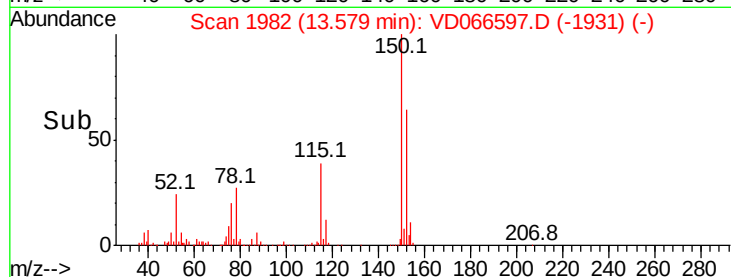
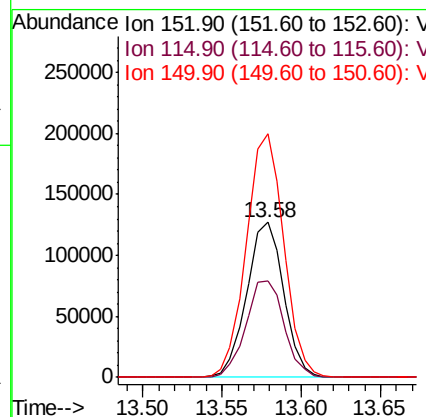
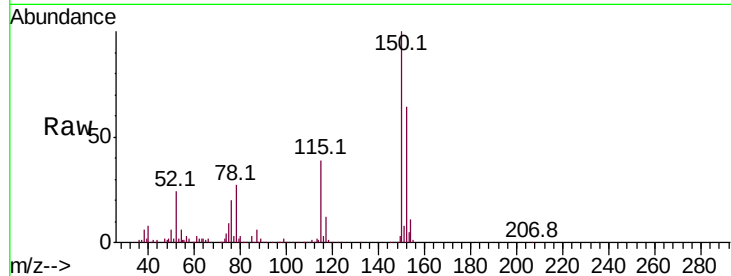




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD066597.D
 Acq: 09 Sep 2020 23:27

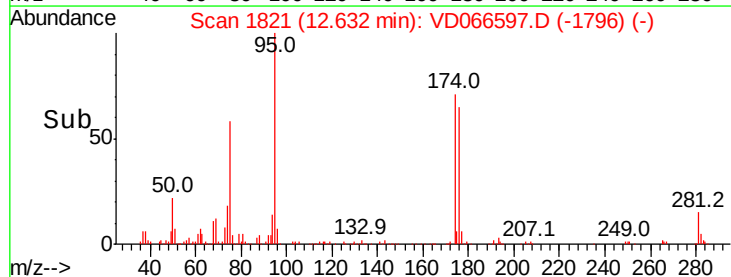
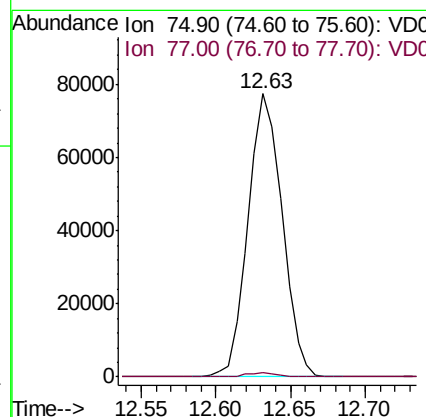
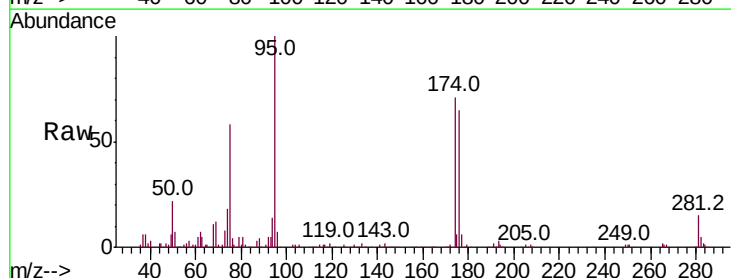
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBL02

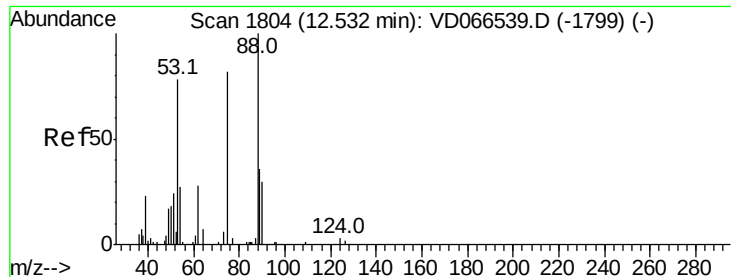
Tot Ion	Ratio	Lower	Upper
152	100		
115	63.8	30.4	91.2
150	158.4	0.0	345.8



#76
 1,2,3-Trichloropropane
 Concen: 61.667 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066597.D
 Acq: 09 Sep 2020 23:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 143.970 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066597.D

Acq: 09 Sep 2020 23:27

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBL02

Tot Ion: 75 Resp: 122648

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

89 0.1 37.1 55.7#

