

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066809.D
 Acq On : 22 Sep 2020 14:28
 Operator : VA/SY
 Sample : VD0922SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBL01

Quant Time: Sep 23 02:07:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

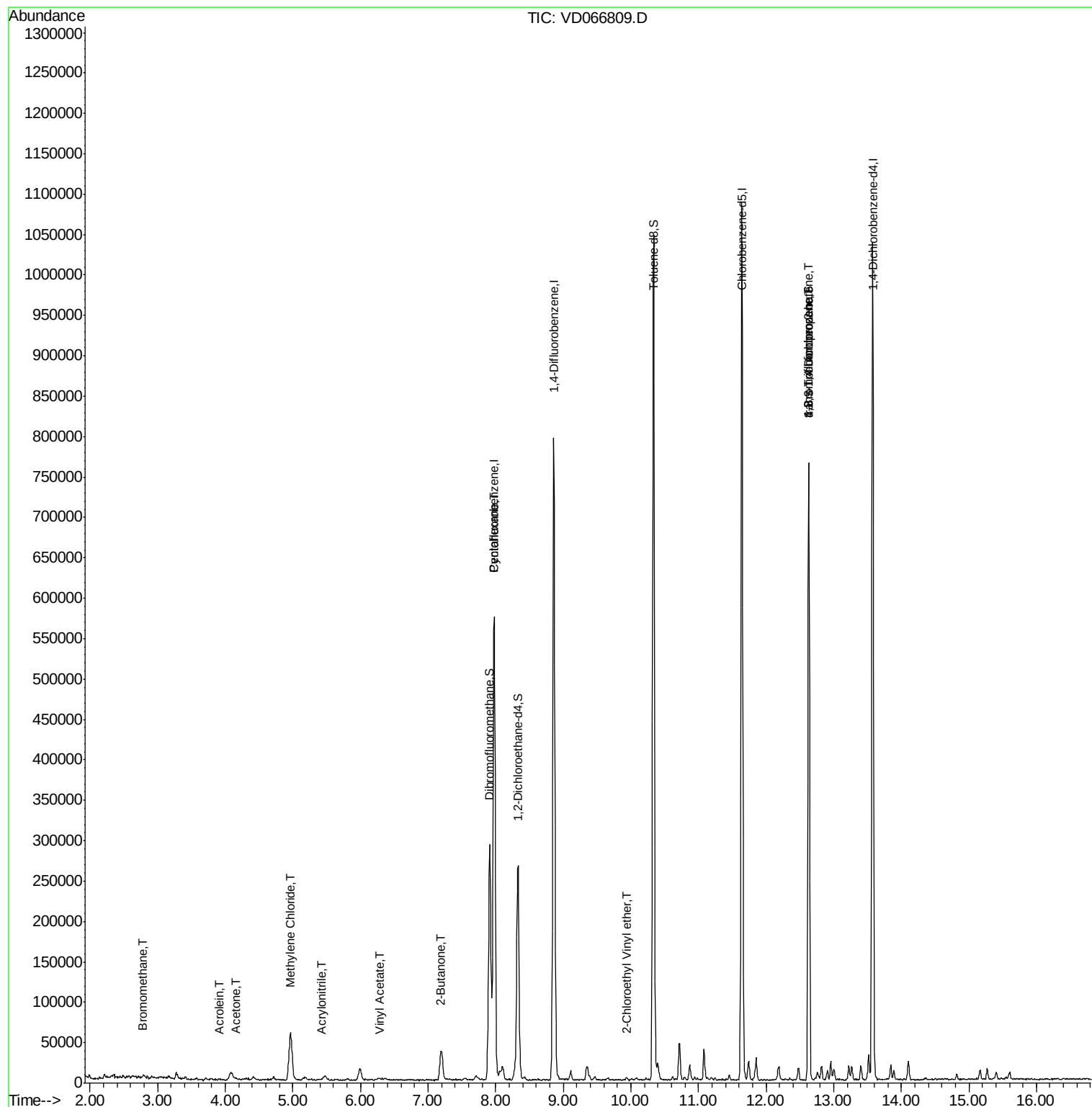
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	408795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	694778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	622226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267673	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	215098	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
35) Dibromofluoromethane	7.91	113	216131	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
50) Toluene-d8	10.34	98	715394	47.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	12.63	95	235189	45.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.24%	
Target Compounds						
				Qvalue		
2) Dichlorodifluoromethane	1.99	85	2920	Below Cal	#	67
5) Bromomethane	2.78	94	2650	1.016	ug/l #	75
11) Tert butyl alcohol	5.17	59	3511	Below Cal	#	72
13) Acrolein	3.91	56	299	1.013	ug/l #	12
15) Acrylonitrile	5.43	53	921	1.074	ug/l #	29
16) Acetone	4.16	43	3120	3.676	ug/l #	43
18) Methyl Acetate	4.71	43	822	Below Cal	#	68
20) Methylene Chloride	4.97	84	46340	4.861	ug/l	96
23) Vinyl Acetate	6.29	43	1011	2.824	ug/l #	71
25) 2-Butanone	7.18	43	1134	1.112	ug/l #	46
31) Cyclohexane	7.98	56	14967	2.057	ug/l #	34
49) 1,4-Dioxane	9.46	88	657	Below Cal	#	42
58) 2-Chloroethyl Vinyl ether	9.94	63	1903	1.039	ug/l #	76
76) 1,2,3-Trichloropropane	12.63	75	124516	56.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	124516	140.438	ug/l #	10

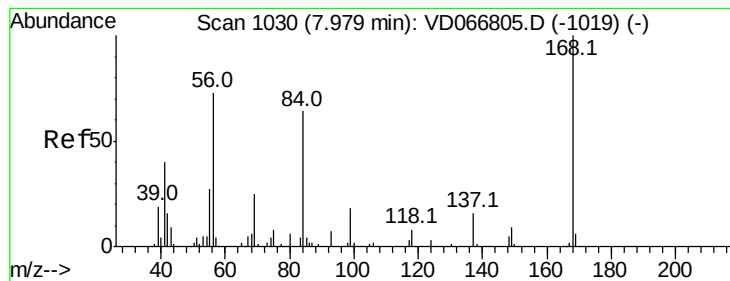
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

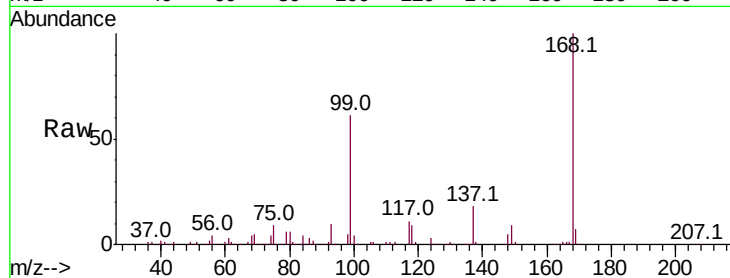
VD0922SBL01

Tot Ion:168 Resp: 408795

Ion Ratio Lower Upper

168 100

99 61.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

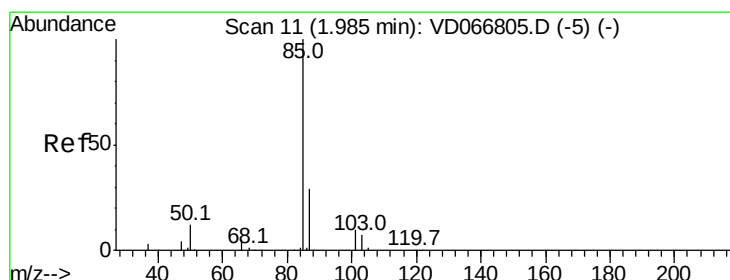
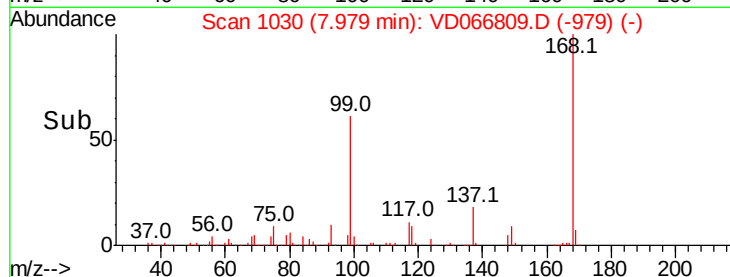
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066809.D

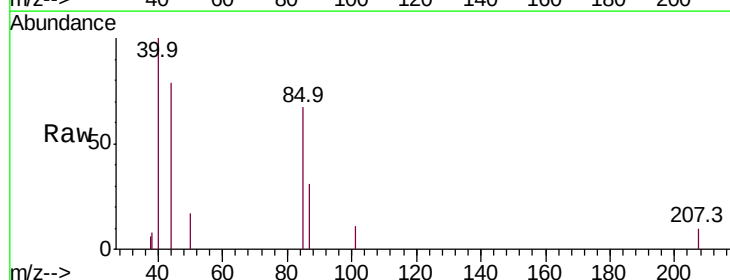
Acq: 22 Sep 2020 14:28

Tgt Ion: 85 Resp: 2920

Ion Ratio Lower Upper

85 100

87 46.8 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2000

1500

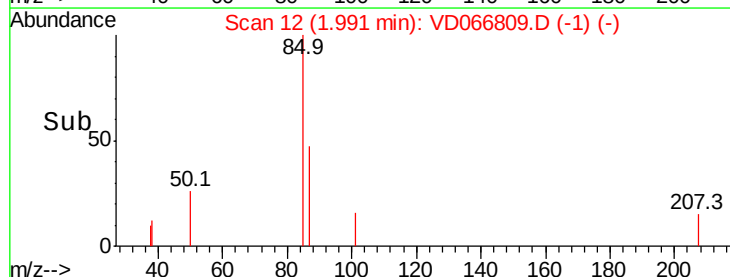
1000

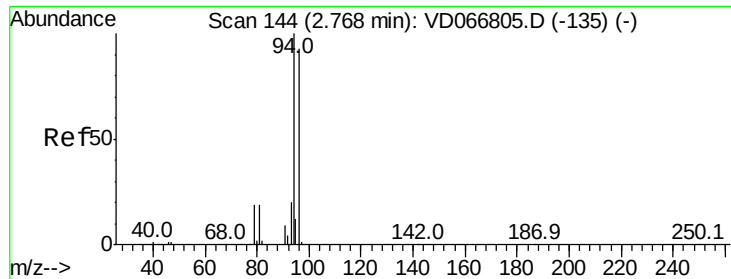
500

0

Time-->

1.95 2.00





#5

Bromomethane

Concen: 1.016 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

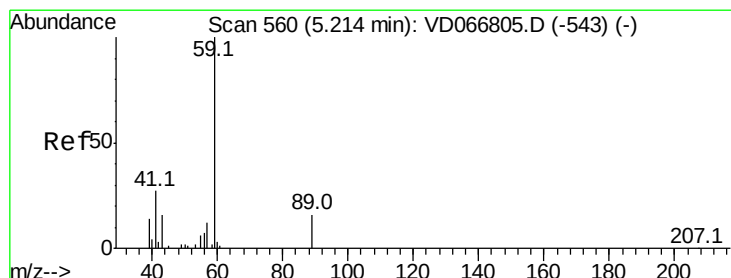
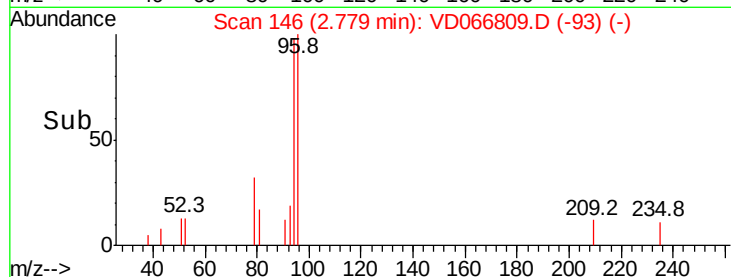
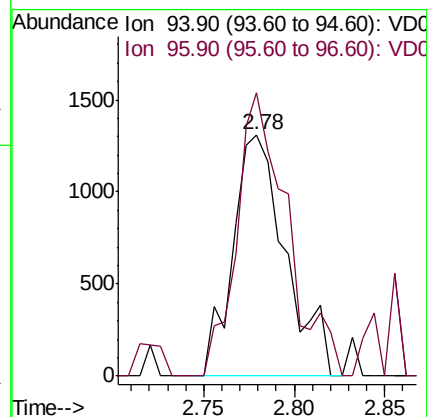
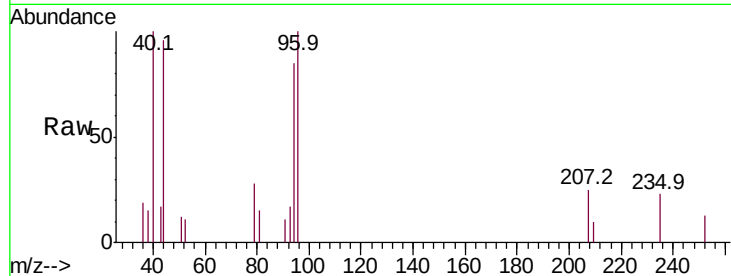
VD0922SBL01

Tot Ion: 94 Resp: 2650

Ion Ratio Lower Upper

94 100

96 117.1 74.3 111.5#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.04 min

Lab File: VD066809.D

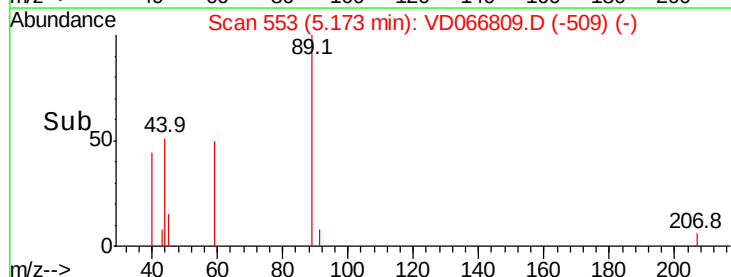
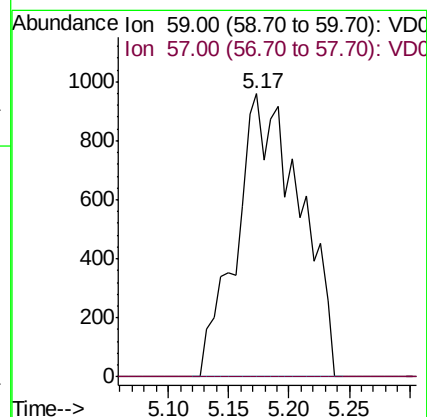
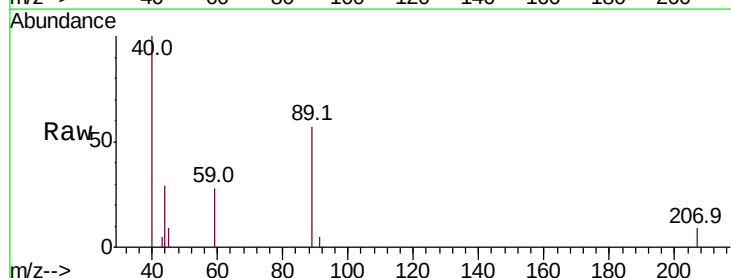
Acq: 22 Sep 2020 14:28

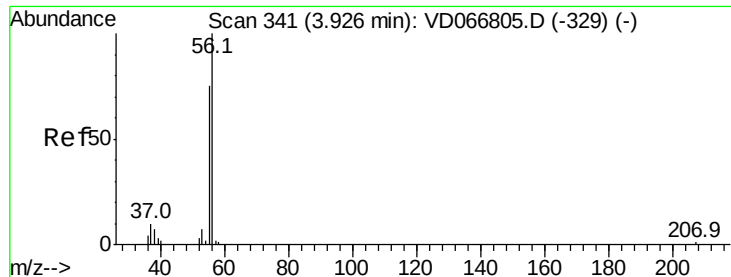
Tgt Ion: 59 Resp: 3511

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 1.013 ug/l

RT: 3.91 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

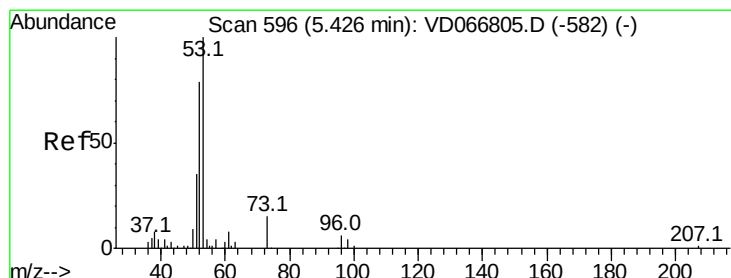
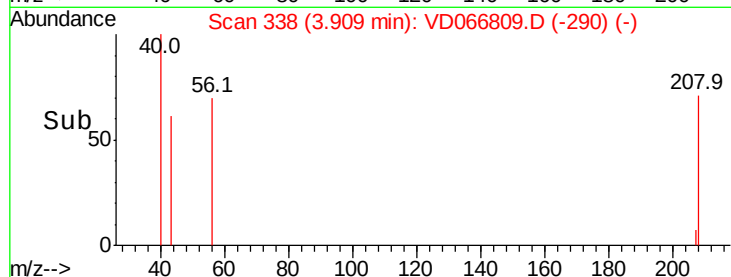
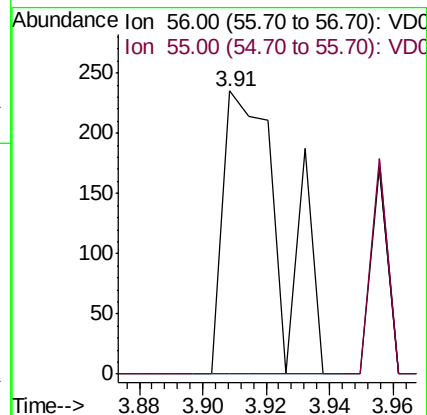
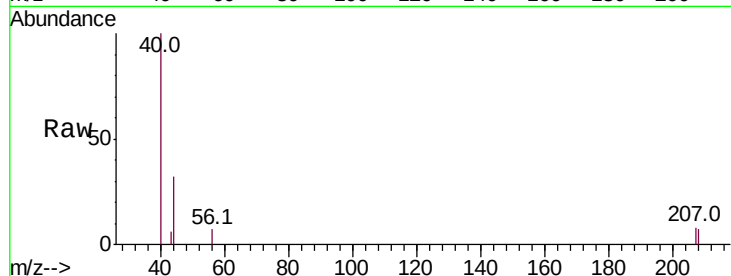
VD0922SBL01

Tot Ion: 56 Resp: 299

Ion Ratio Lower Upper

56 100

55 0.0 60.3 90.5#



#15

Acrylonitrile

Concen: 1.074 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

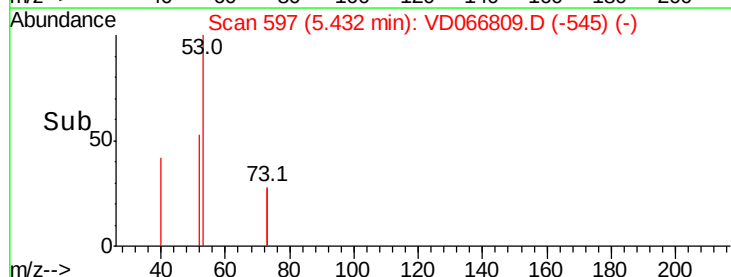
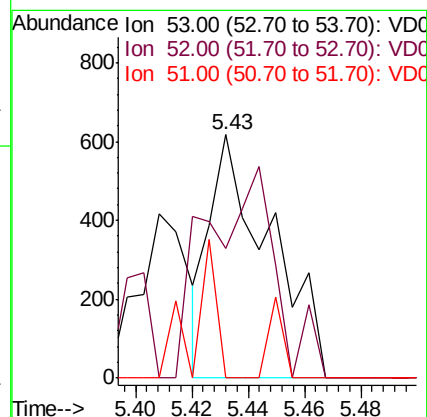
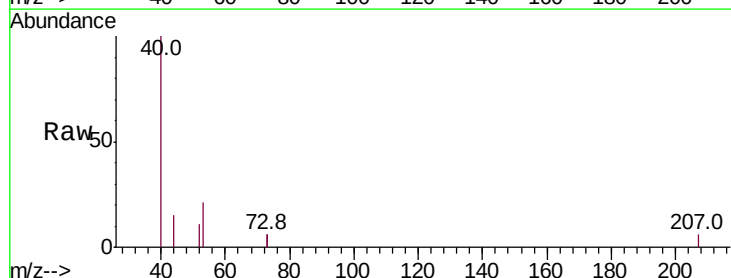
Tgt Ion: 53 Resp: 921

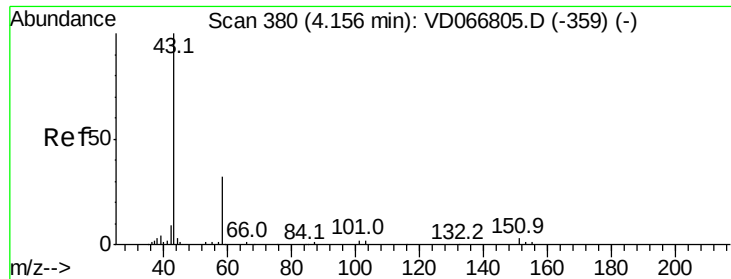
Ion Ratio Lower Upper

53 100

52 0.0 65.2 97.8#

51 21.0 30.6 46.0#





#16

Acetone

Concen: 3.676 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

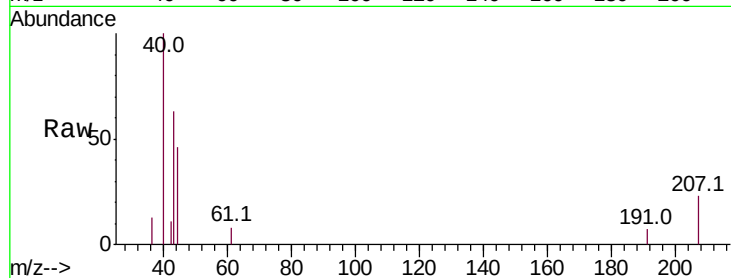
VD0922SBL01

Tot Ion: 43 Resp: 3120

Ion Ratio Lower Upper

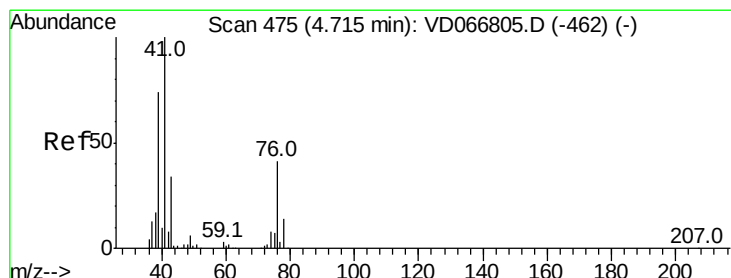
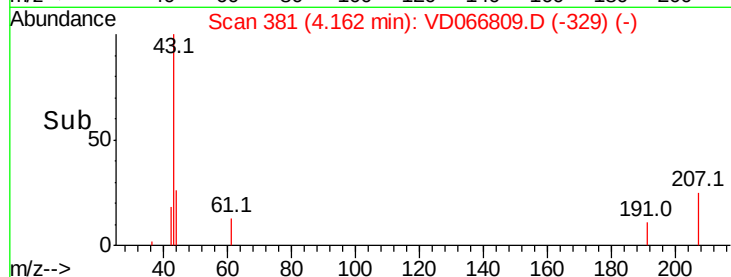
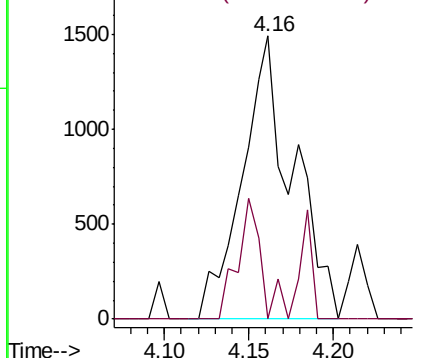
43 100

58 0.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066809.D

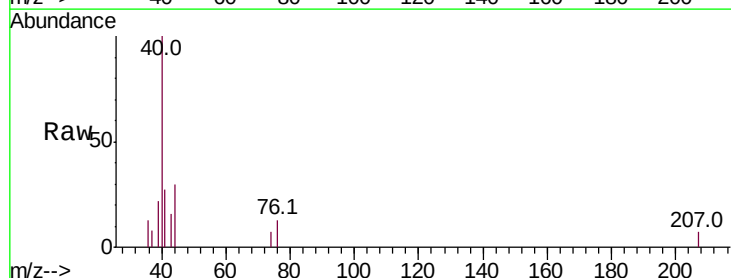
Acq: 22 Sep 2020 14:28

Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

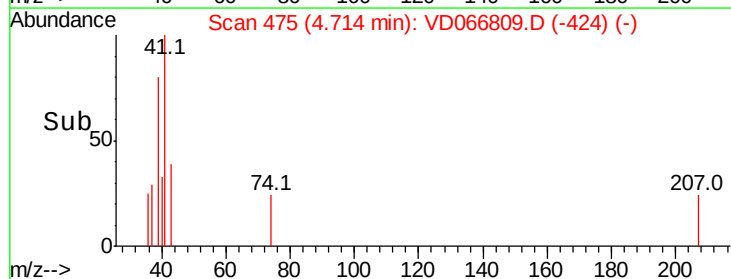
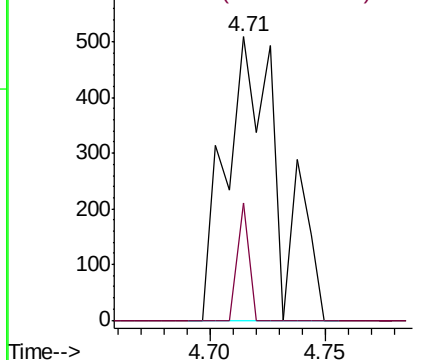
43 100

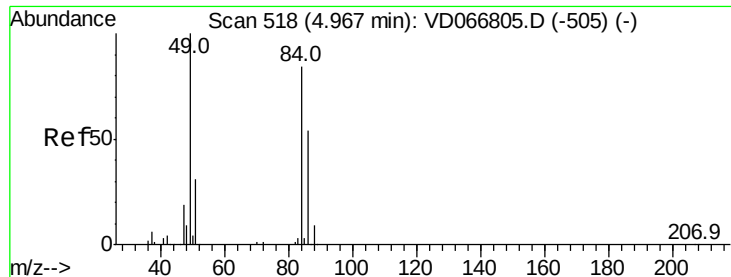
74 9.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

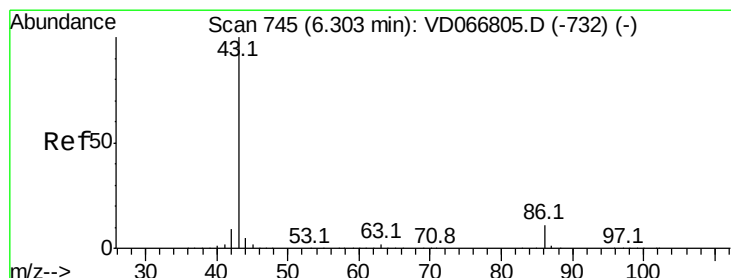
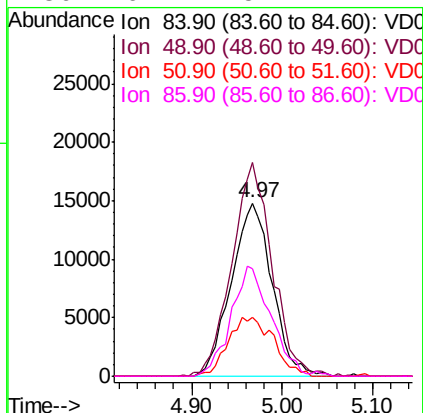
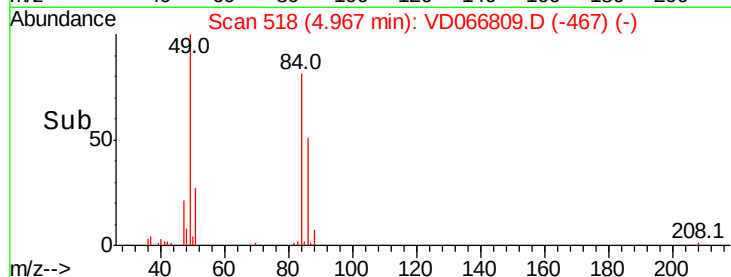
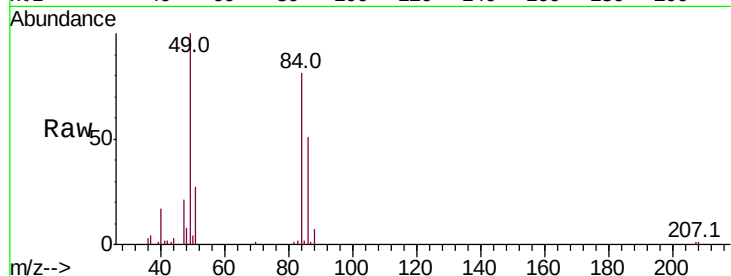




#20
Methvlene Chloride
Concen: 4.861 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066809.D
Acq: 22 Sep 2020 14:28

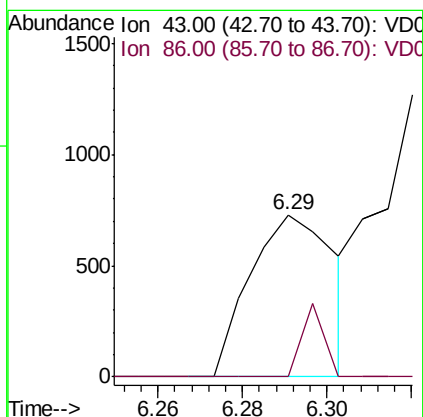
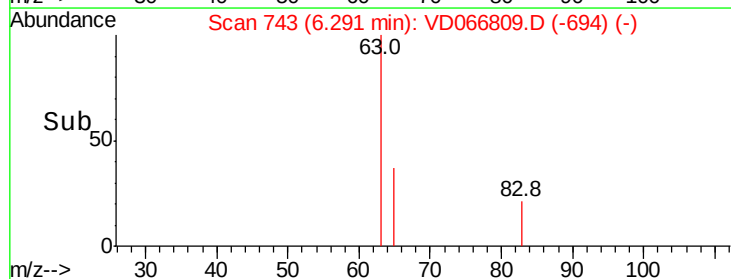
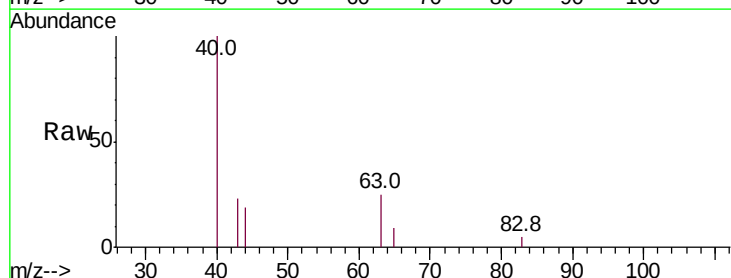
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBL01

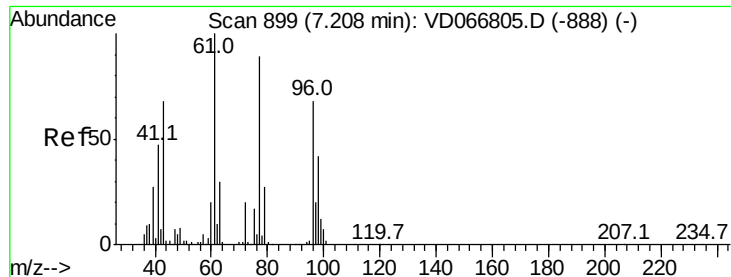
Tot Ion:	84	Resp:	46340
Ion	Ratio	Lower	Upper
84	100		
49	123.2	95.4	143.2
51	33.9	29.7	44.5
86	62.2	51.4	77.2



#23
Vinyl Acetate
Concen: 2.824 ug/l
RT: 6.29 min Scan# 743
Delta R.T. -0.01 min
Lab File: VD066809.D
Acq: 22 Sep 2020 14:28

Tgt Ion:	43	Resp:	1011
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#25

2-Butanone

Concen: 1.112 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.02 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

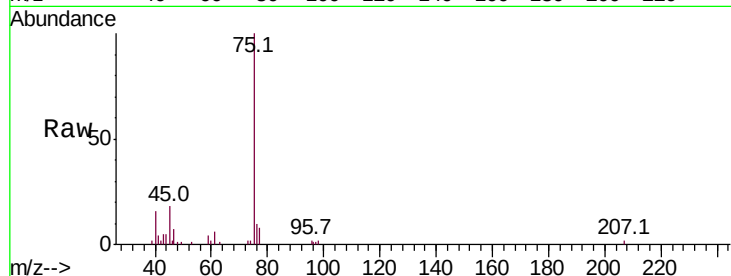
VD0922SBL01

Tot Ion: 43 Resp: 1134

Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.18

800

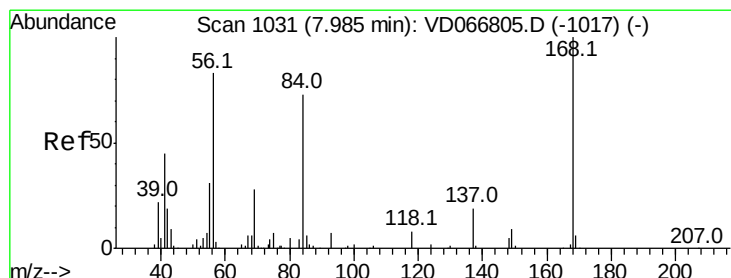
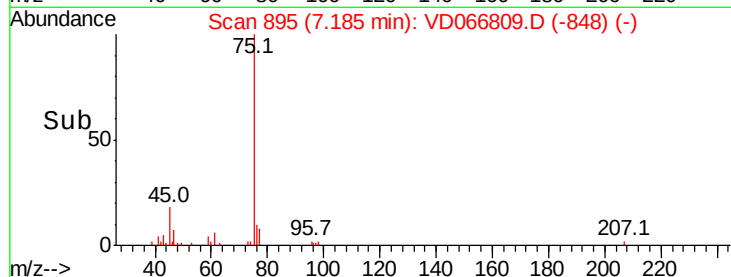
600

400

200

0

Time--> 7.14 7.16 7.18 7.20



#31

Cyclohexane

Concen: 2.057 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

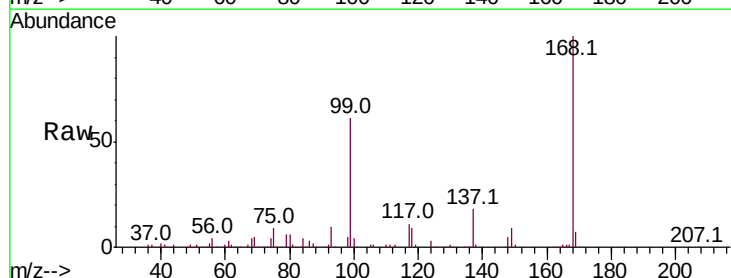
Tgt Ion: 56 Resp: 14967

Ion Ratio Lower Upper

56 100

69 142.3 27.0 40.4#

84 104.2 70.2 105.4



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

12000

10000

8000

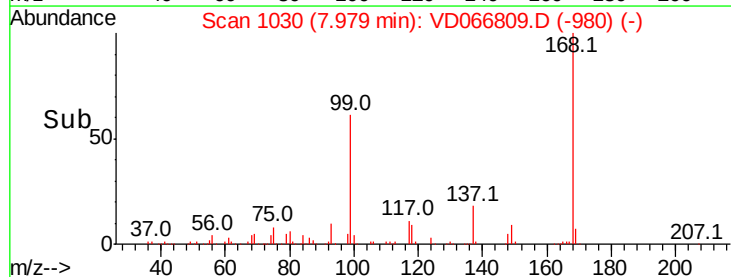
6000

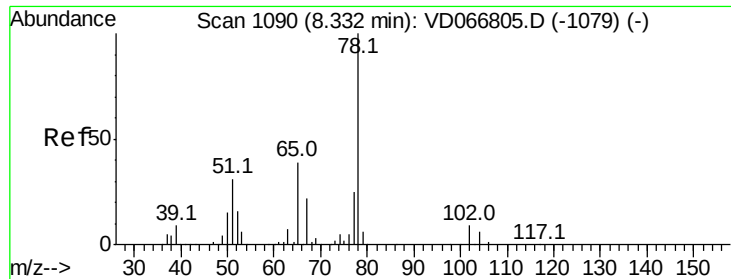
4000

2000

0

Time--> 7.90 7.95 8.00 8.05

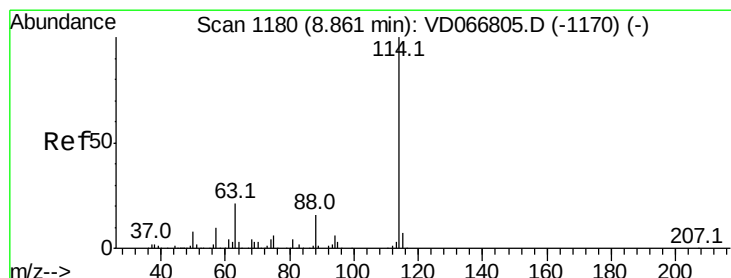
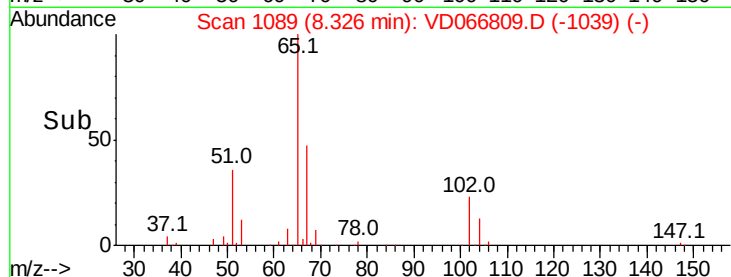
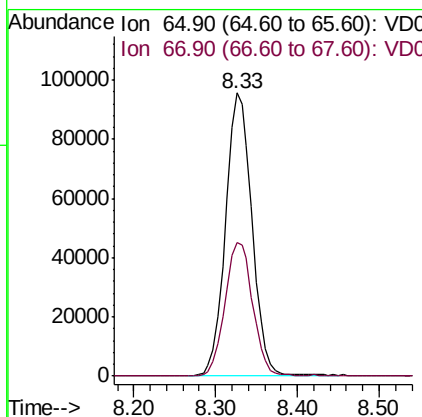
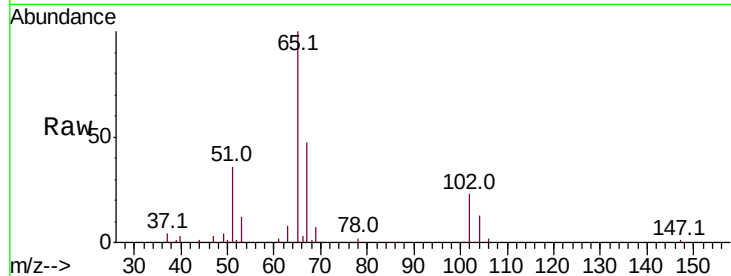




#33
 1,2-Dichloroethane-d4
 Concen: 53.759 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066809.D
 Acq: 22 Sep 2020 14:28

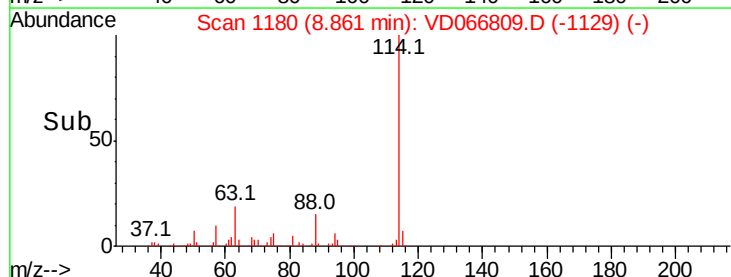
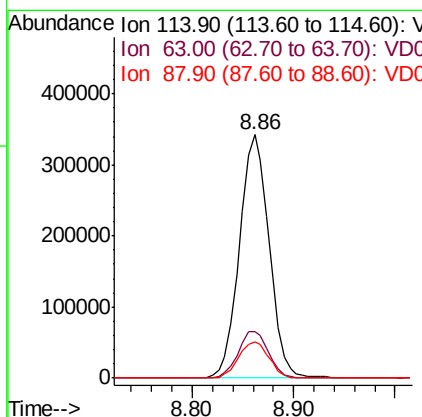
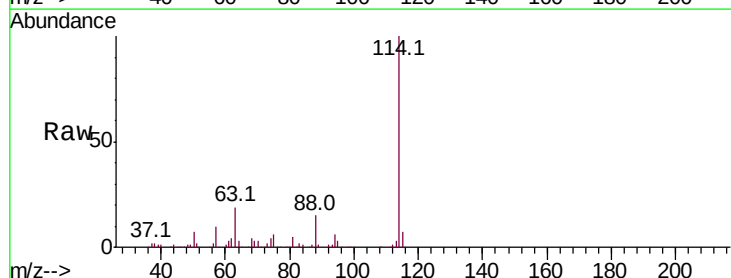
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBL01

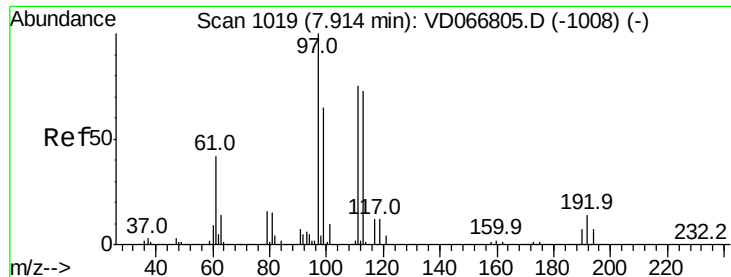
Tot Ion: 65 Resp: 215098
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066809.D
 Acq: 22 Sep 2020 14:28

Tgt Ion: 114 Resp: 694778
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.6
 88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.896 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBL01

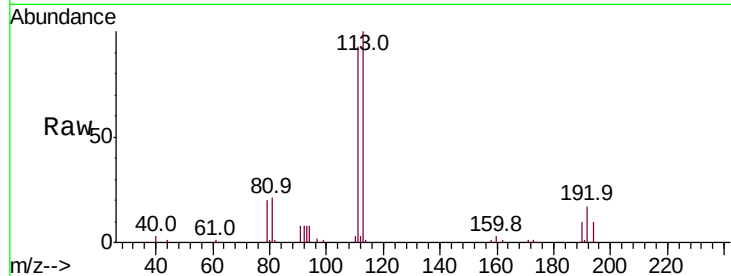
Tot Ion:113 Resp: 216131

Ion Ratio Lower Upper

113 100

111 99.1 81.8 122.8

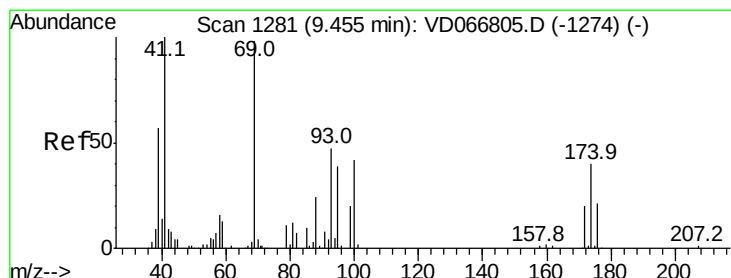
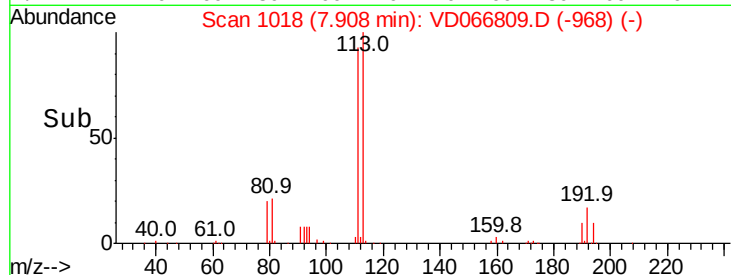
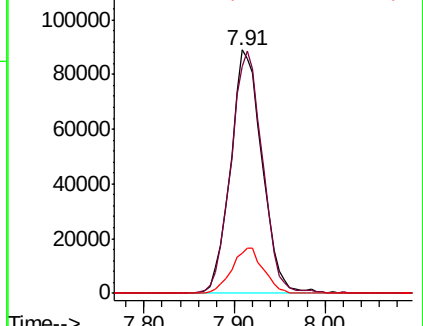
192 18.4 14.4 21.6



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

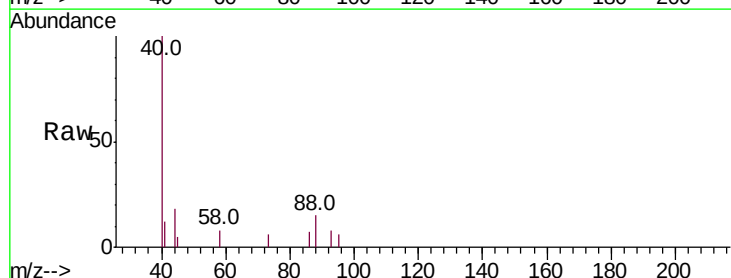
Tgt Ion: 88 Resp: 657

Ion Ratio Lower Upper

88 100

43 37.4 27.7 41.5

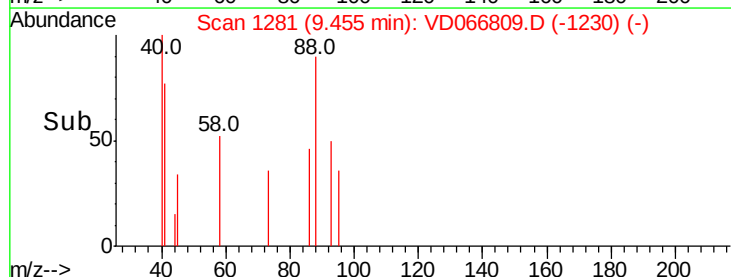
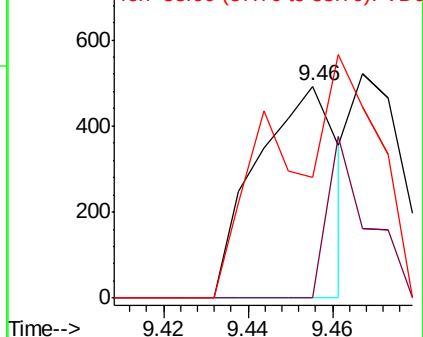
58 138.2 55.5 83.3#

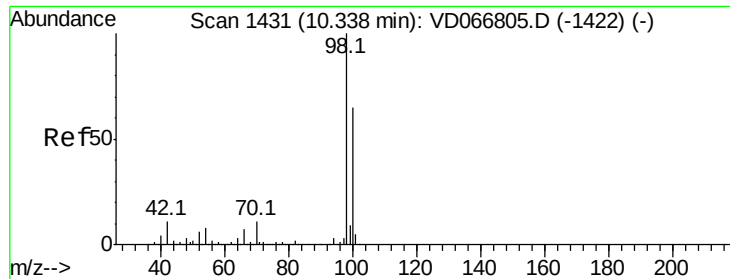


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

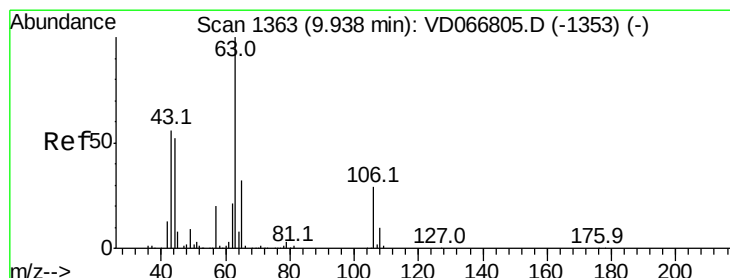
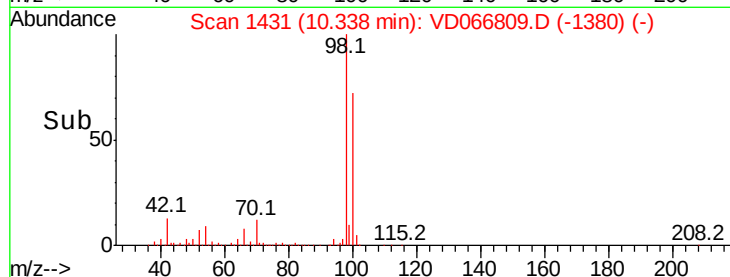
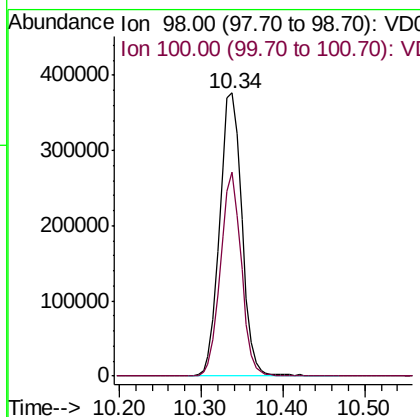
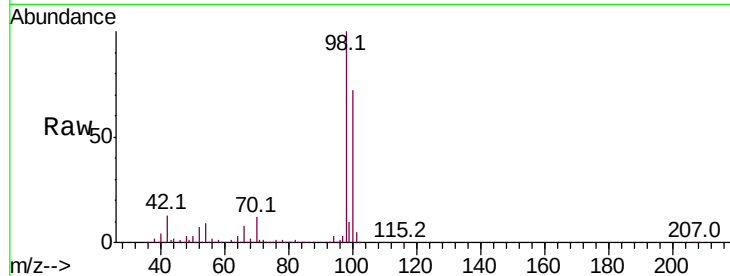




#50
Toluene-d8
Concen: 47.502 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066809.D
Acq: 22 Sep 2020 14:28

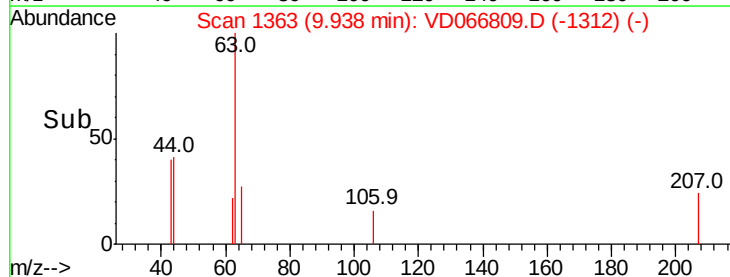
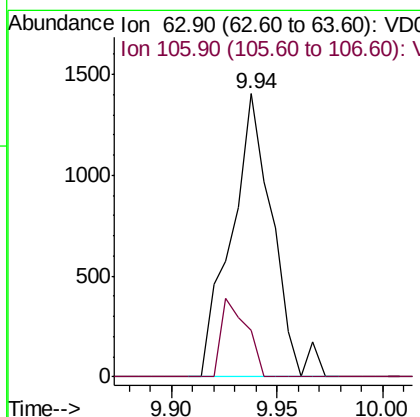
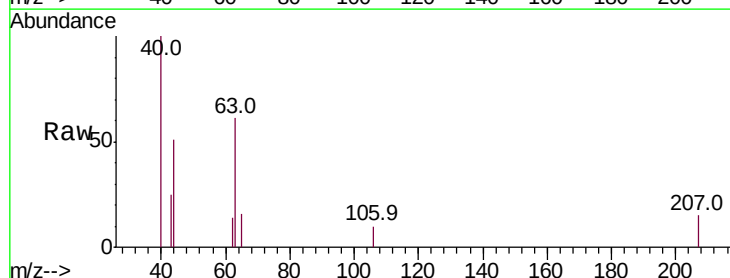
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBL01

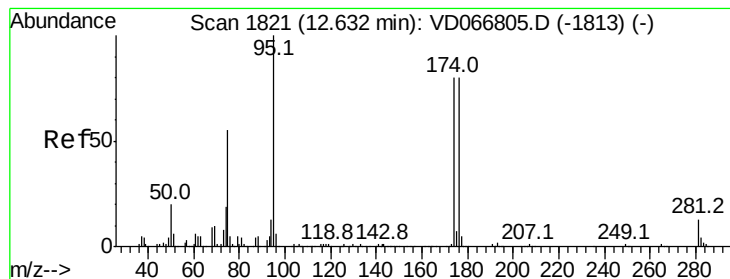
Tot Ion: 98 Resp: 715394
Ion Ratio Lower Upper
98 100
100 67.1 52.2 78.2



#58
2-Chloroethyl Vinyl ether
Concen: 1.039 ug/l
RT: 9.94 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VD066809.D
Acq: 22 Sep 2020 14:28

Tgt Ion: 63 Resp: 1903
Ion Ratio Lower Upper
63 100
106 16.9 23.8 35.6#





#62

4-Bromofluorobenzene

Concen: 45.618 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBL01

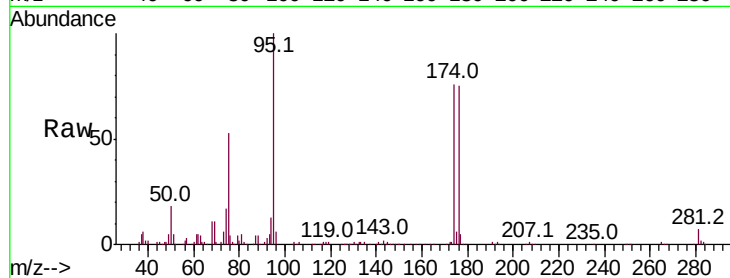
Tot Ion: 95 Resp: 235189

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.8

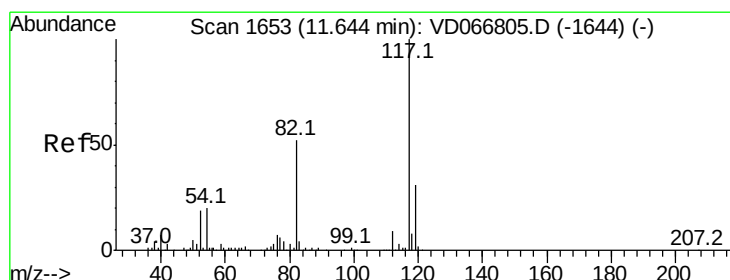
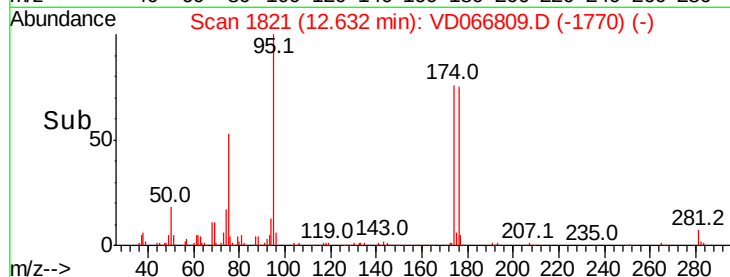
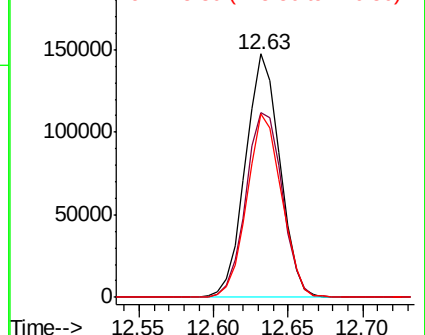
176 75.7 0.0 154.4



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: VD066809.D

Acq: 22 Sep 2020 14:28

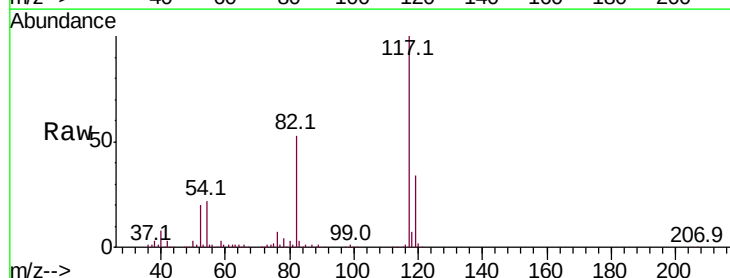
Tgt Ion: 117 Resp: 622226

Ion Ratio Lower Upper

117 100

82 53.4 41.8 62.6

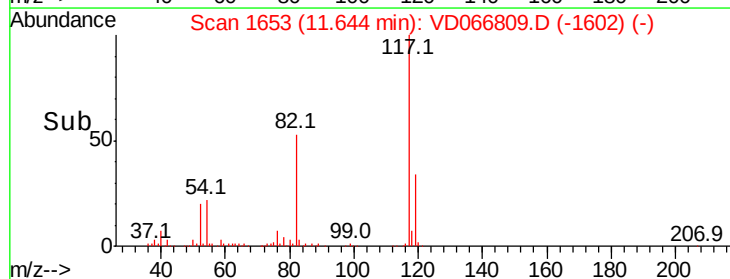
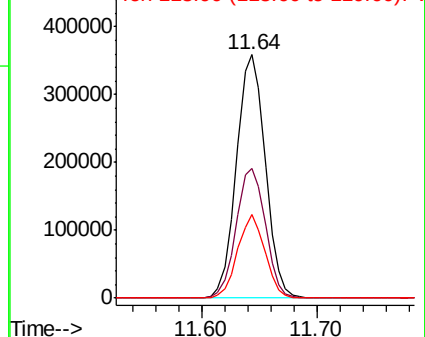
119 34.4 24.6 37.0

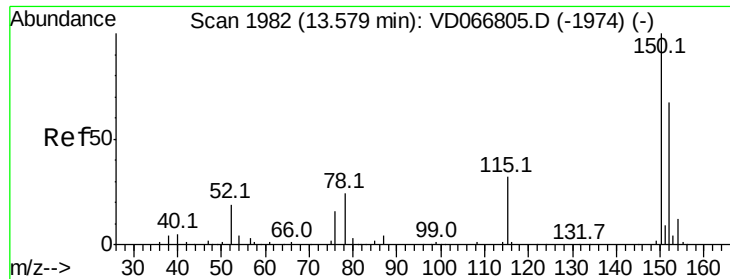


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

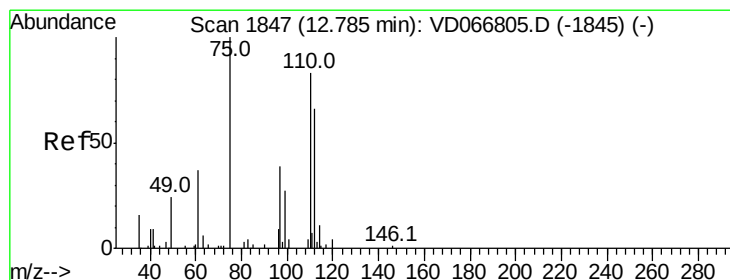
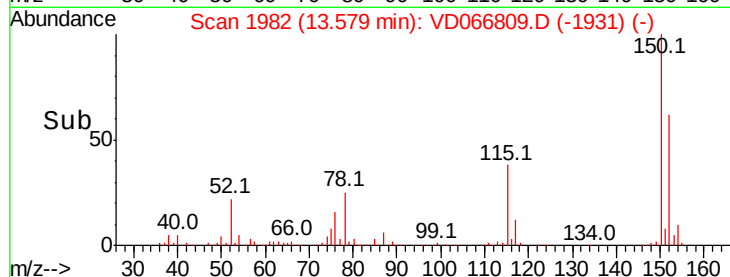
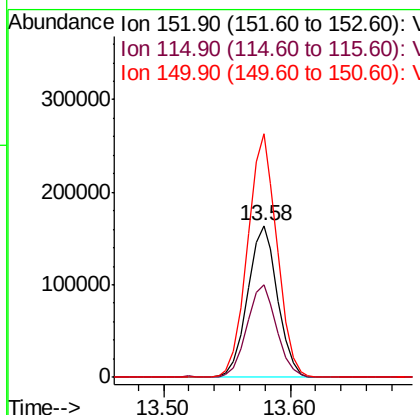
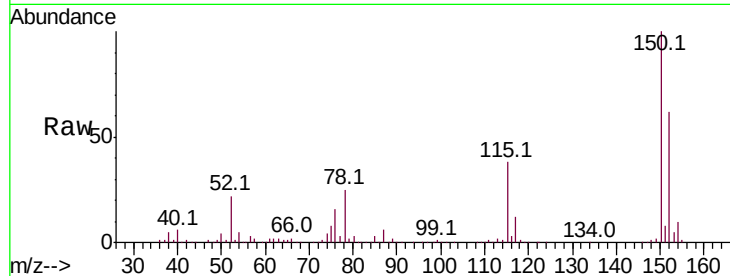




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD066809.D
 Acq: 22 Sep 2020 14:28

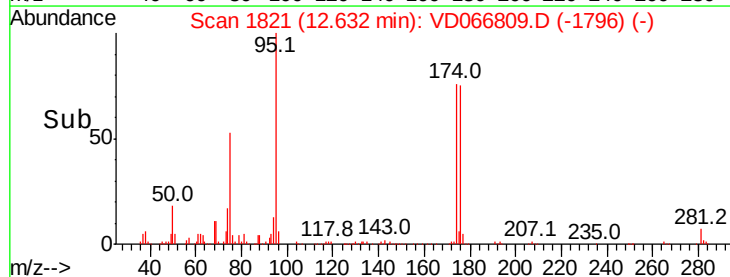
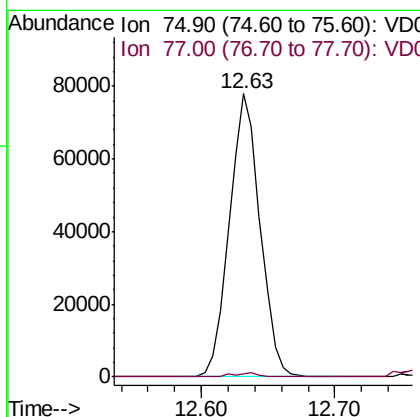
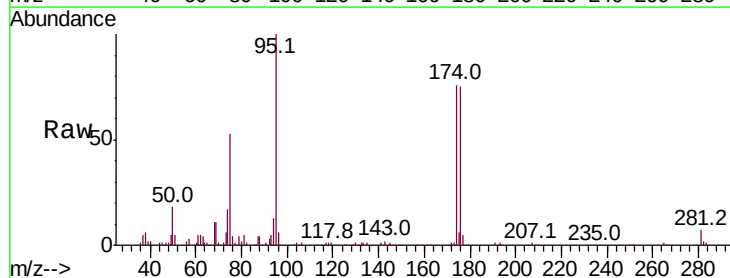
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBL01

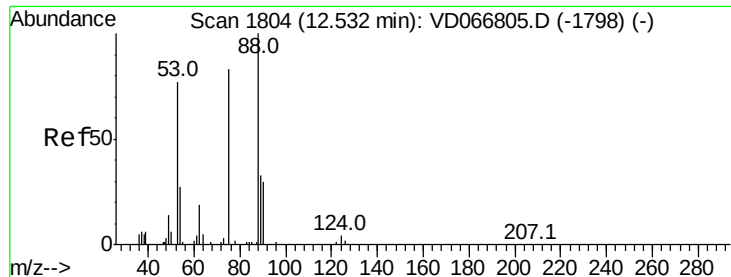
Tot Ion:152 Resp: 267673
 Ion Ratio Lower Upper
 152 100
 115 60.9 30.3 91.0
 150 158.2 0.0 346.2



#76
 1,2,3-Trichloropropane
 Concen: 56.132 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066809.D
 Acq: 22 Sep 2020 14:28

Tgt Ion: 75 Resp: 124516
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.438 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066809.D

Acq: 22 Sep 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBL01

Tot Ion: 75 Resp: 124516

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 38.1 57.1#

