

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066996.D
 Acq On : 01 Oct 2020 16:52
 Operator : VA/SY
 Sample : L3870-16
 Misc : 7.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-093020

Quant Time: Oct 02 00:40:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	508825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	852987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	830245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	395774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	255101	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.91	113	271186	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.34	98	1005379	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.63	95	367317	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

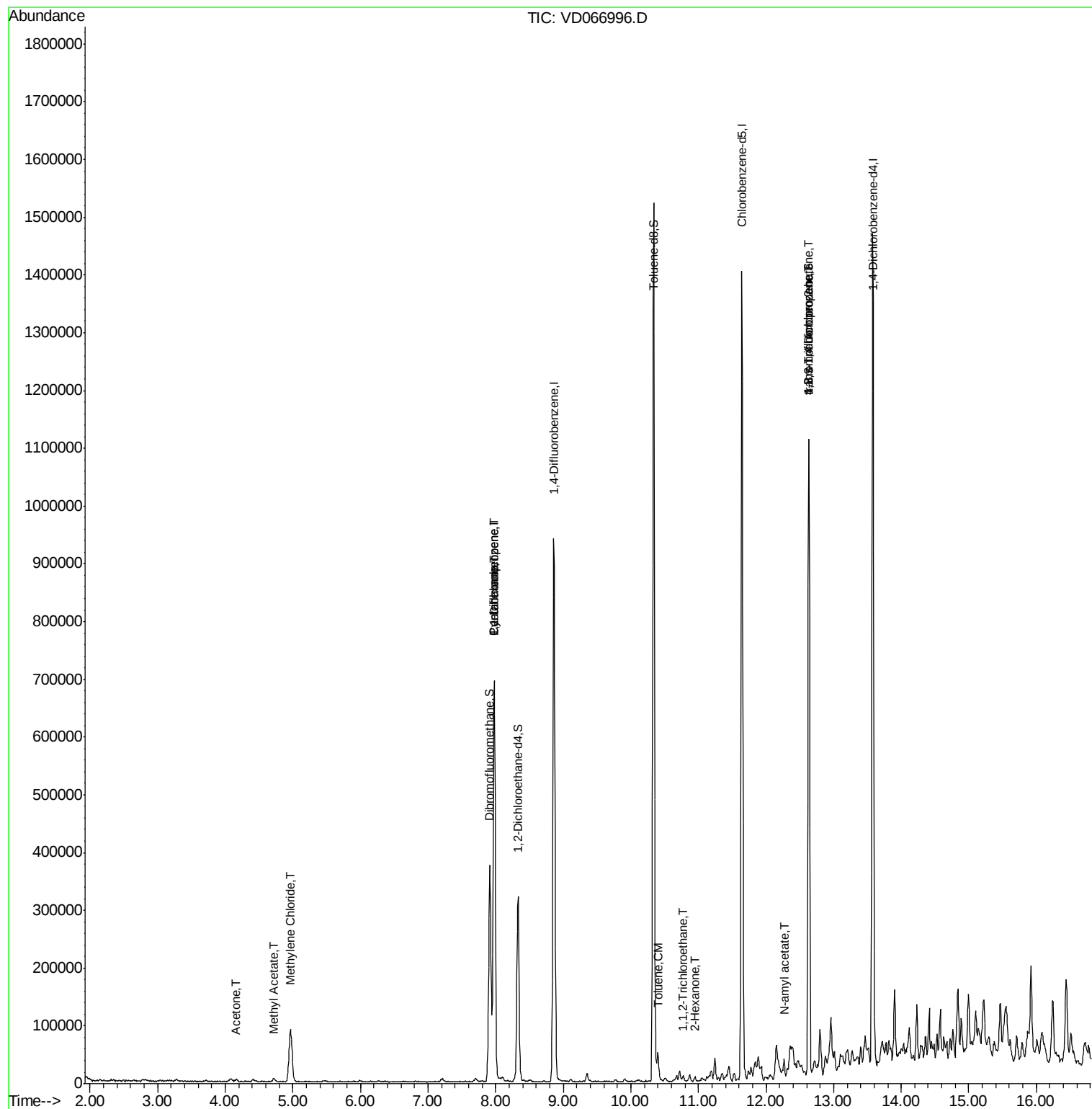
						Qvalue
2) Dichlorodifluoromethane	1.99	85	2270	Below Cal		98
5) Bromomethane	2.77	94	1488	Below Cal		94
11) Tert butyl alcohol	5.19	59	125	Below Cal	#	72
16) Acetone	4.17	43	6334	8.466	ug/l	99
18) Methyl Acetate	4.72	43	7423	3.948	ug/l	93
20) Methylene Chloride	4.96	84	72296	7.423	ug/l	93
26) 2,2-Dichloropropane	7.21	77	1259	Below Cal	#	53
31) Cyclohexane	7.98	56	12773	1.735	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	37867	4.763	ug/l #	50
52) Toluene	10.40	92	20019	1.407	ug/l	95
55) 1,1,2-Trichloroethane	10.77	97	4372	1.054	ug/l #	22
59) 2-Hexanone	10.94	43	2972	1.762	ug/l #	23
74) N-amyl acetate	12.27	43	6685	1.384	ug/l #	70
76) 1,2,3-Trichloropropane	12.63	75	187088	54.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	187088	135.303	ug/l #	13

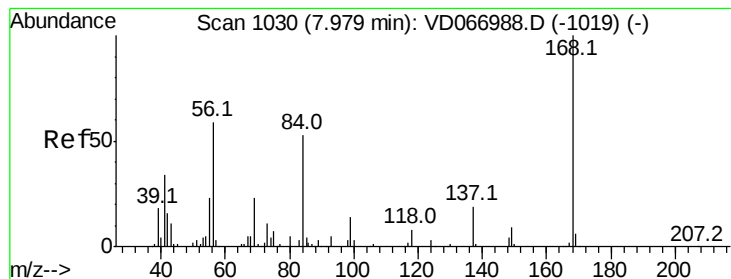
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 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: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

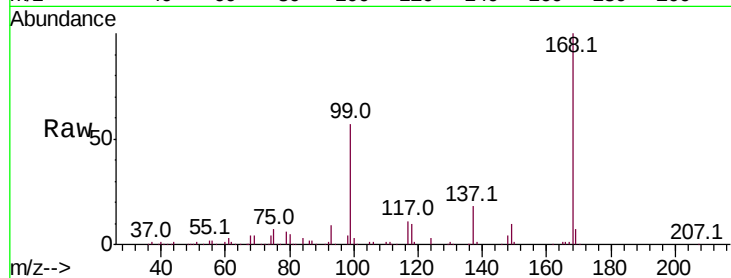
SU-03-093020

Tot Ion:168 Resp: 508825

Ion Ratio Lower Upper

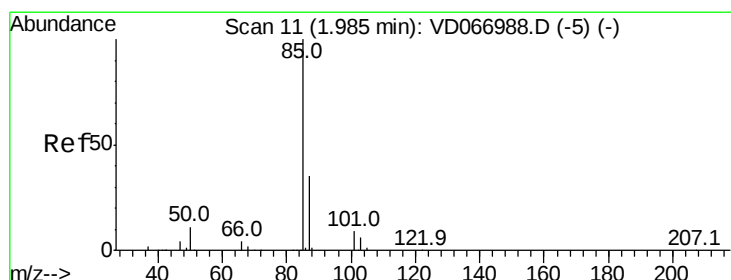
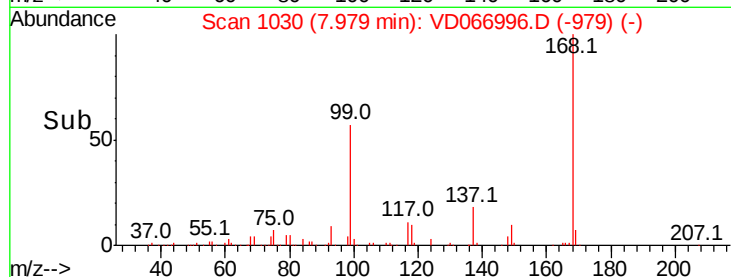
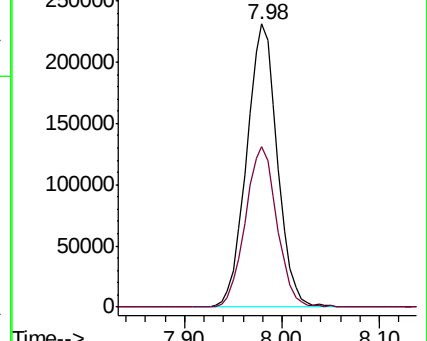
168 100

99 56.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066996.D

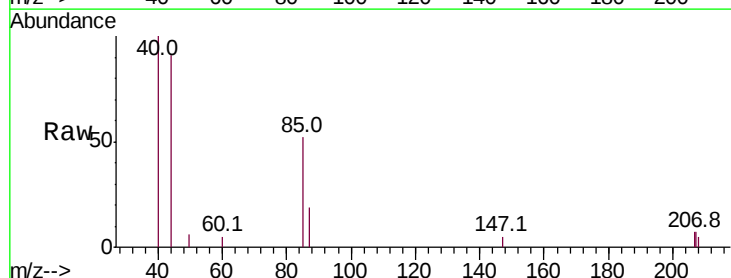
Acq: 01 Oct 2020 16:52

Tgt Ion: 85 Resp: 2270

Ion Ratio Lower Upper

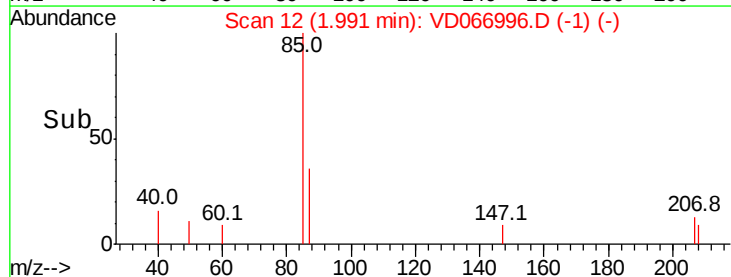
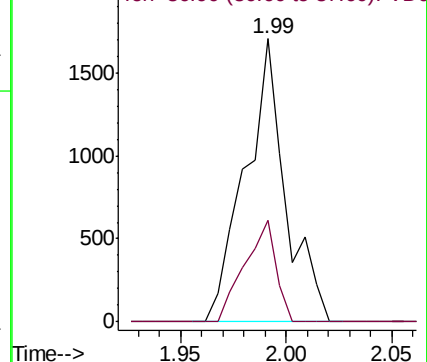
85 100

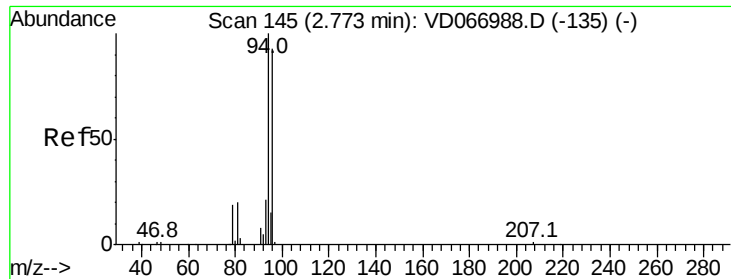
87 35.9 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

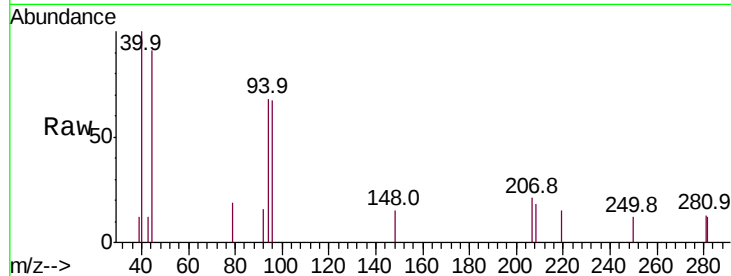
SU-03-093020

Tot Ion: 94 Resp: 1488

Ion Ratio Lower Upper

94 100

96 99.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

800

600

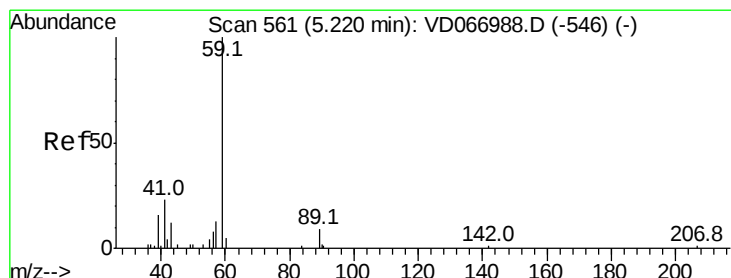
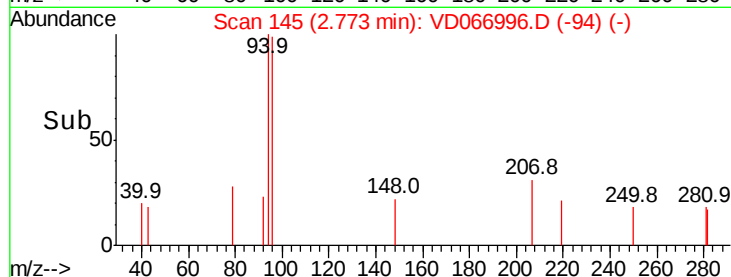
400

200

0

2.75 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.03 min

Lab File: VD066996.D

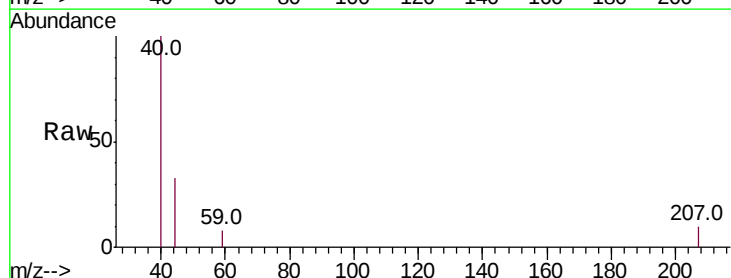
Acq: 01 Oct 2020 16:52

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

200

150

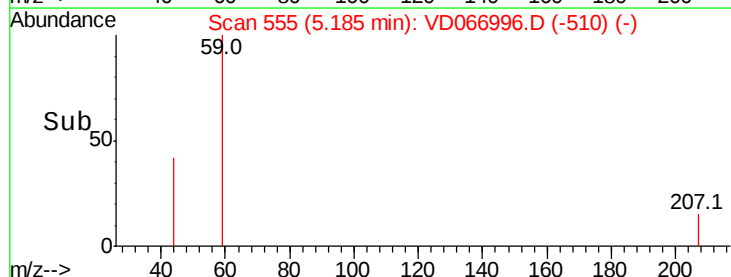
100

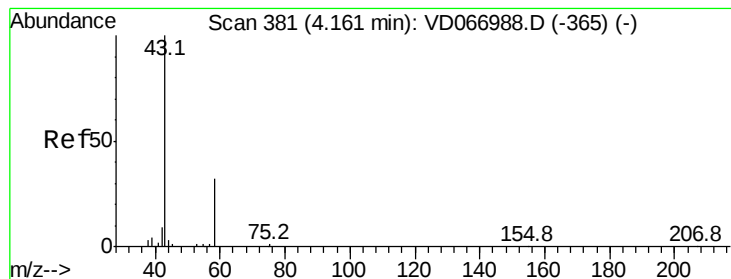
50

0

5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 8.466 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

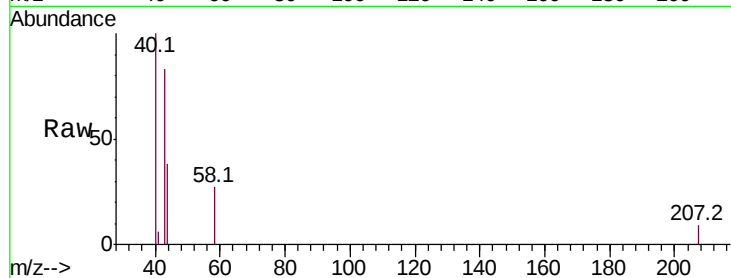
SU-03-093020

Tot Ion: 43 Resp: 6334

Ion Ratio Lower Upper

43 100

58 32.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

2500

2000

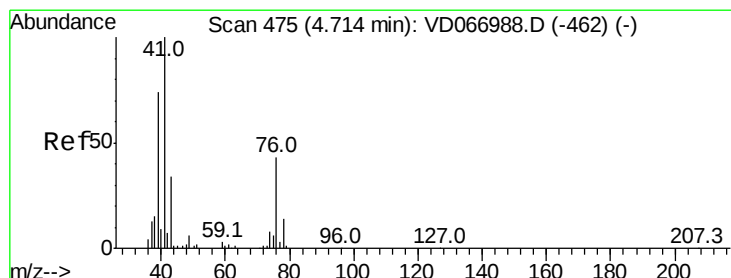
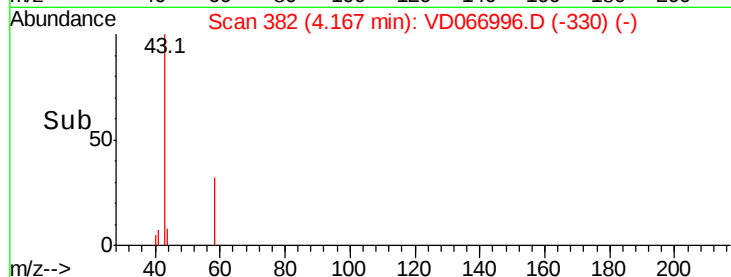
1500

1000

500

0

Time--> 4.10 4.15 4.20 4.25



#18

Methyl Acetate

Concen: 3.948 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066996.D

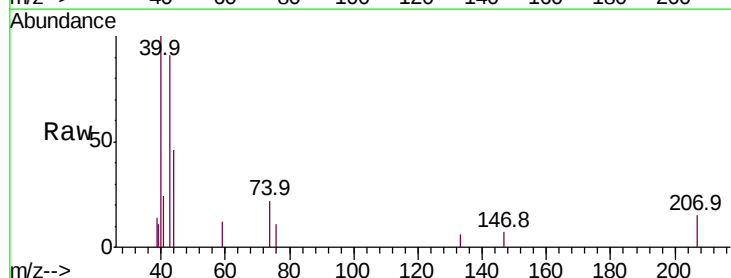
Acq: 01 Oct 2020 16:52

Tgt Ion: 43 Resp: 7423

Ion Ratio Lower Upper

43 100

74 23.2 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

2500

2000

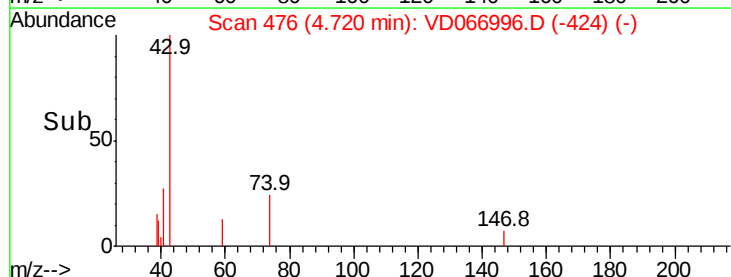
1500

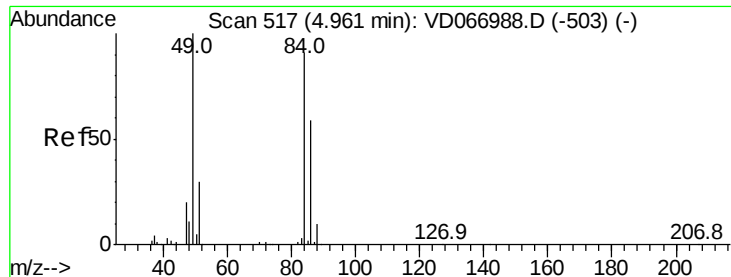
1000

500

0

Time--> 4.60 4.70 4.80





#20

Methvlene Chloride

Concen: 7.423 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

SU-03-093020

Tot Ion: 84 Resp: 72296

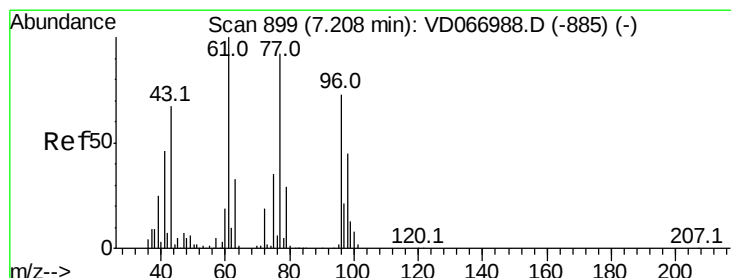
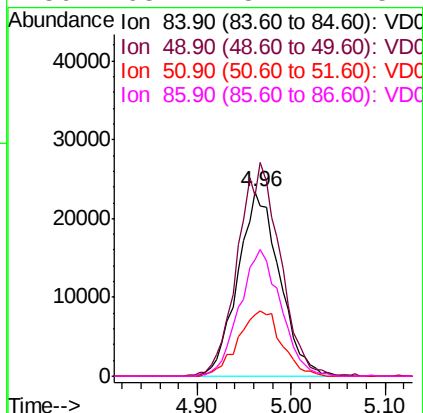
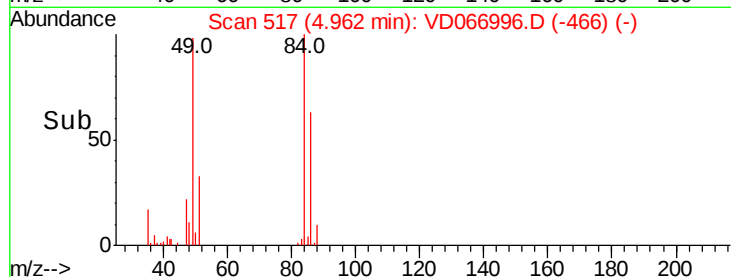
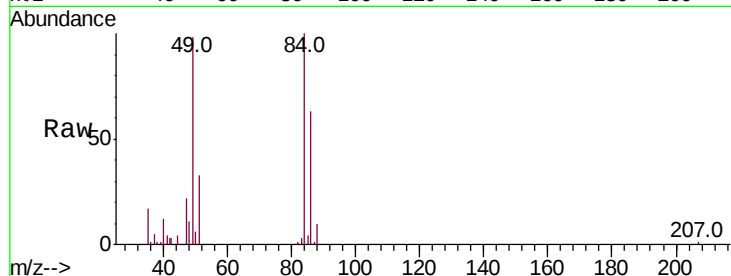
Ion Ratio Lower Upper

84 100

49 97.1 88.2 132.2

51 33.2 26.6 39.8

86 63.2 52.1 78.1



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066996.D

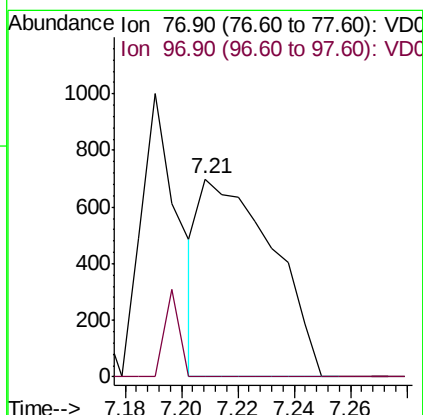
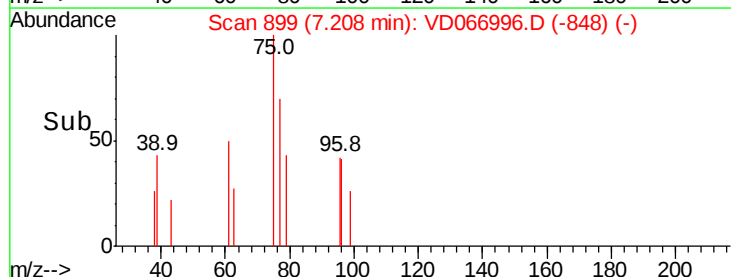
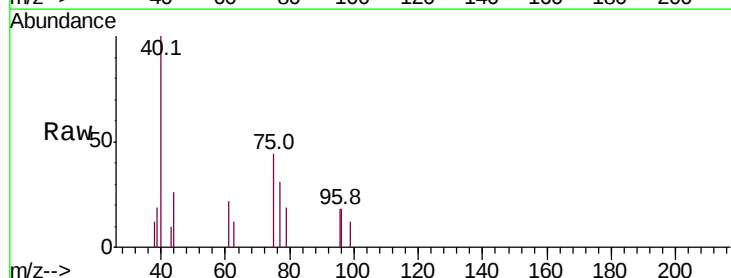
Acq: 01 Oct 2020 16:52

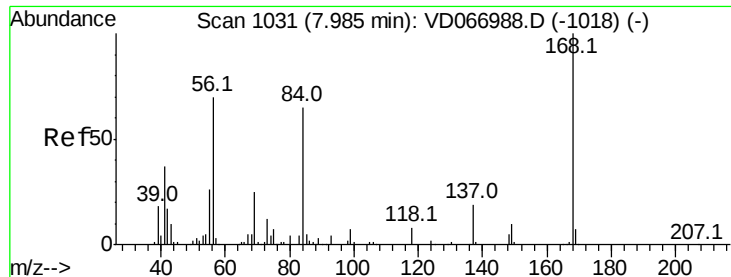
Tgt Ion: 77 Resp: 1259

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

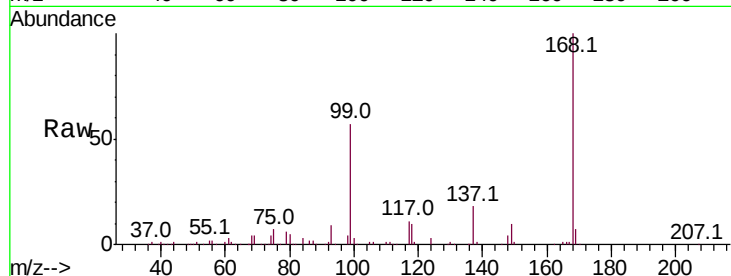




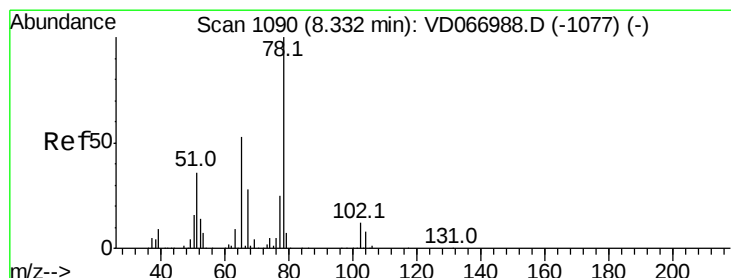
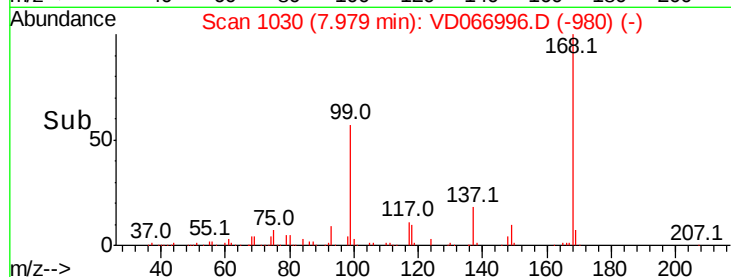
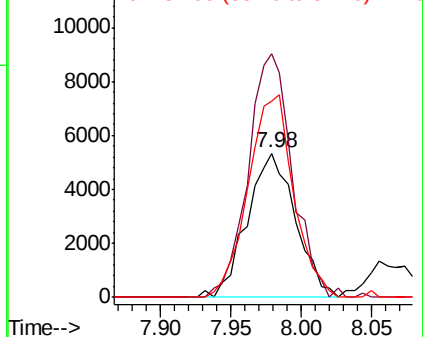
#31
Cyclohexane
Concen: 1.735 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066996.D
Acq: 01 Oct 2020 16:52

Instrument :
MSVOA_D
ClientSampleId :
SU-03-093020

Tot Ion: 56 Resp: 12773
Ion Ratio Lower Upper
56 100
69 168.7 29.0 43.6#
84 135.9 74.2 111.2#

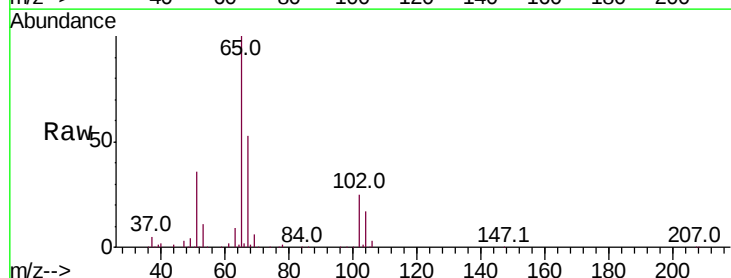


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

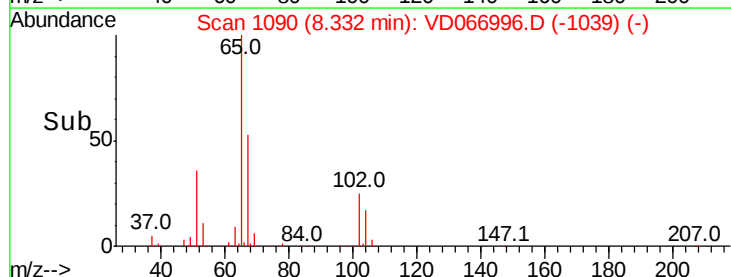
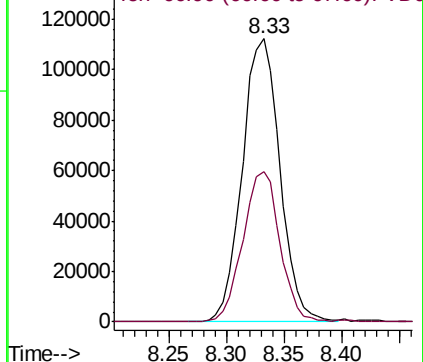


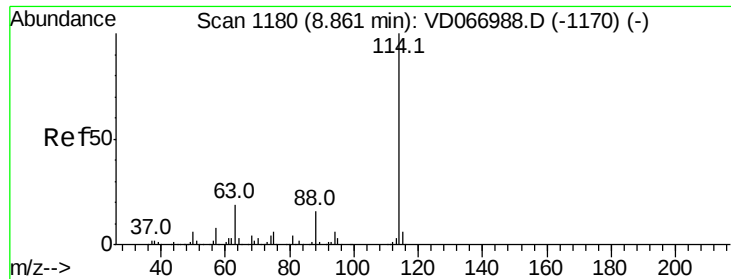
#33
1,2-Dichloroethane-d4
Concen: 52.051 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066996.D
Acq: 01 Oct 2020 16:52

Tgt Ion: 65 Resp: 255101
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

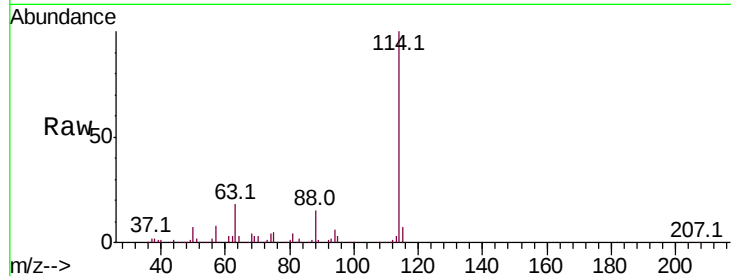




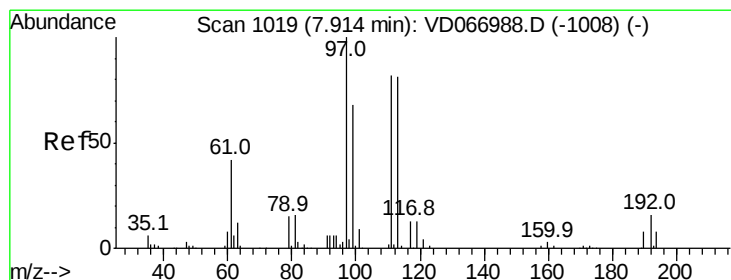
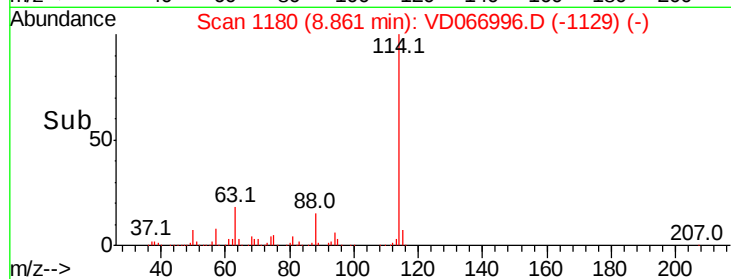
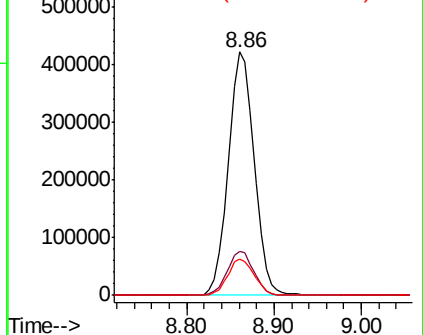
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066996.D
 Acq: 01 Oct 2020 16:52

Instrument :
 MSVOA_D
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 SU-03-093020

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	14.9	0.0	31.2

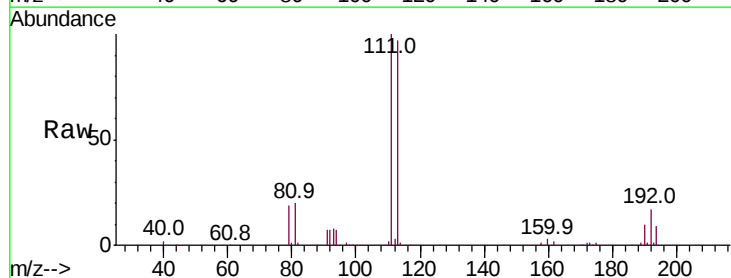


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

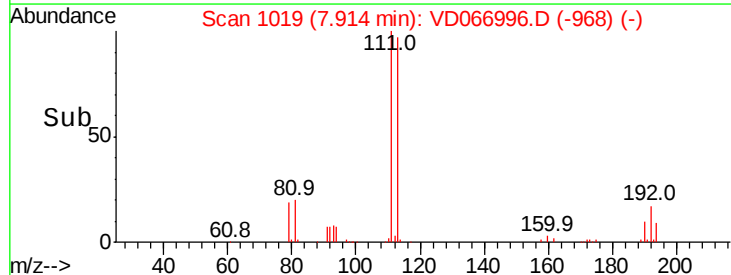
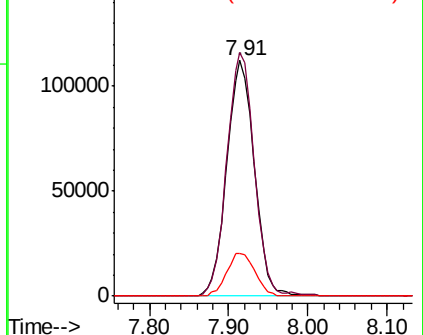


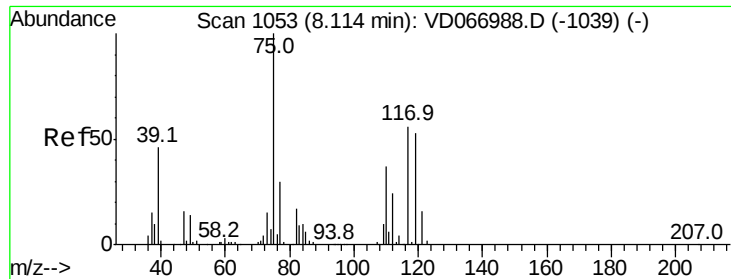
#35
 Dibromofluoromethane
 Concen: 48.562 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066996.D
 Acq: 01 Oct 2020 16:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	18.7	15.5	23.3



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: 4.763 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

SU-03-093020

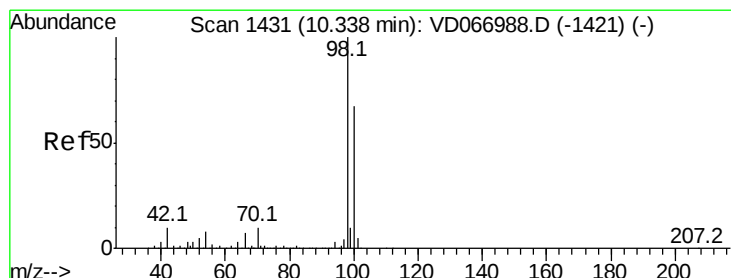
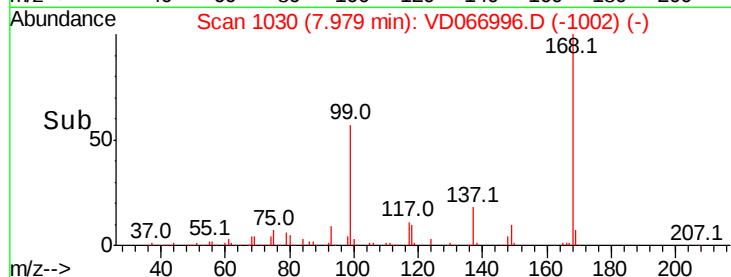
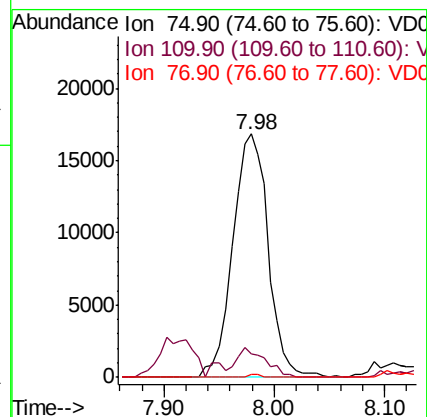
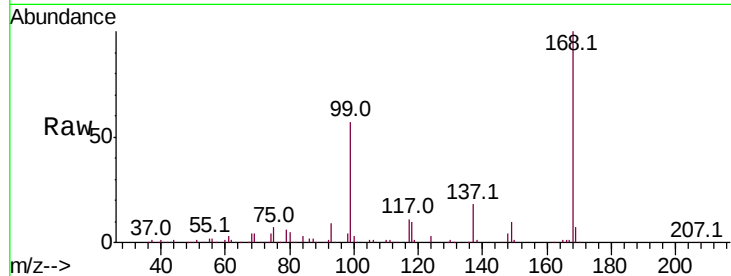
Tot Ion: 75 Resp: 37867

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

77 0.4 24.8 37.2#



#50

Toluene-d8

Concen: 49.408 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066996.D

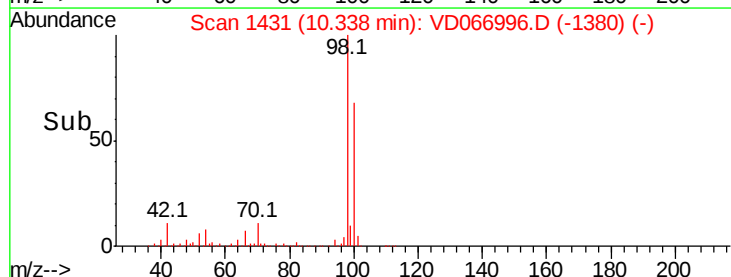
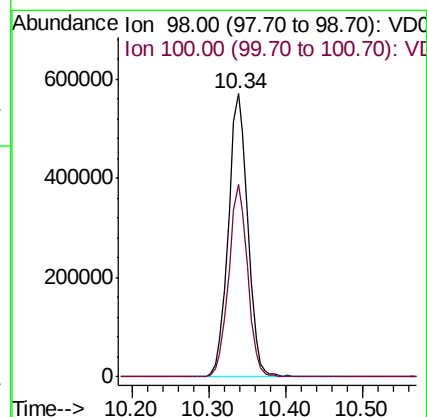
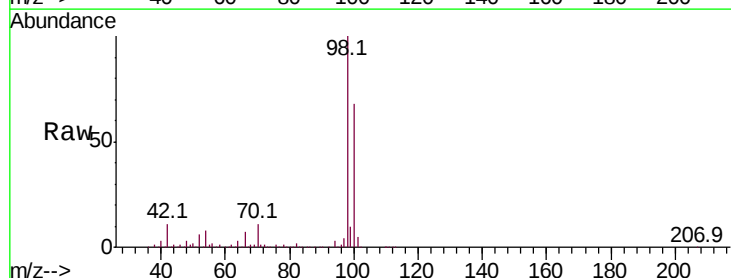
Acq: 01 Oct 2020 16:52

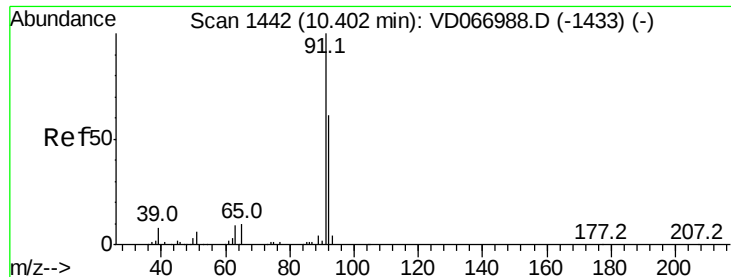
Tgt Ion: 98 Resp: 1005379

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2





#52

Toluene

Concen: 1.407 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

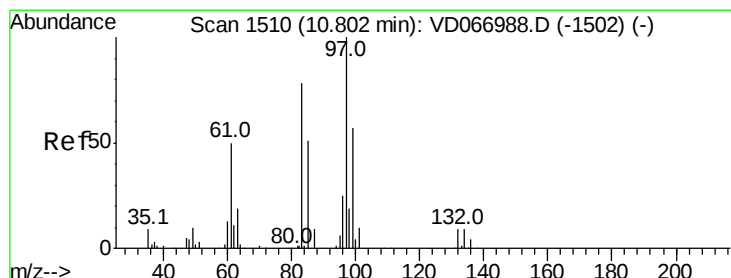
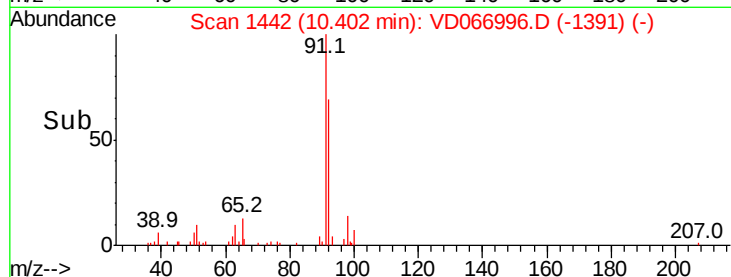
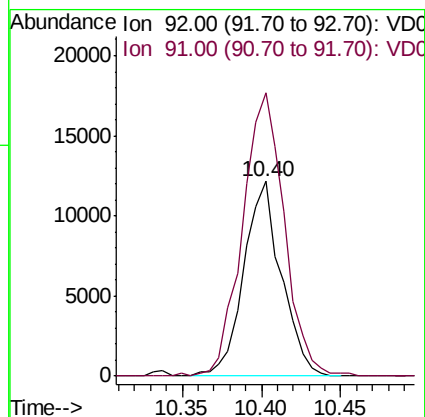
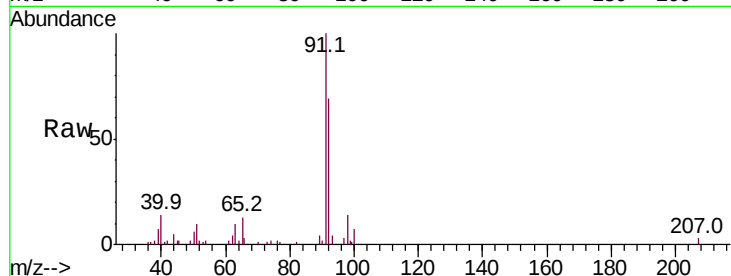
SU-03-093020

Tot Ion: 92 Resp: 20019

Ion Ratio Lower Upper

92 100

91 162.1 135.1 202.7



#55

1,1,2-Trichloroethane

Concen: 1.054 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Tgt Ion: 97 Resp: 4372

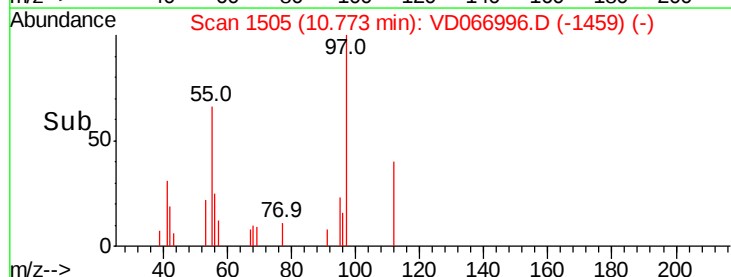
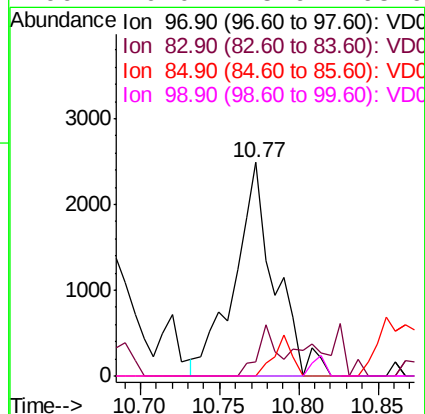
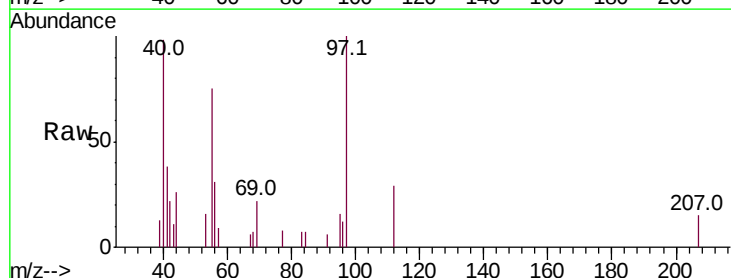
Ion Ratio Lower Upper

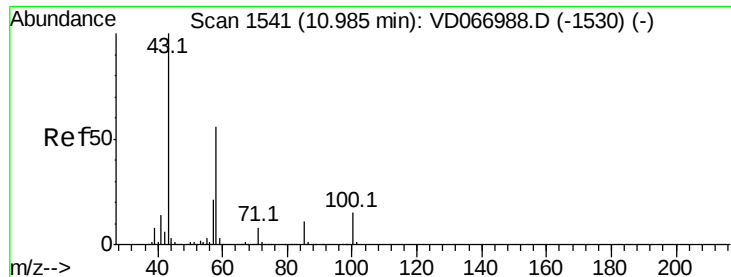
97 100

83 6.6 62.4 93.6#

85 0.0 41.0 61.4#

99 0.0 45.9 68.9#





#59

2-Hexanone

Concen: 1.762 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

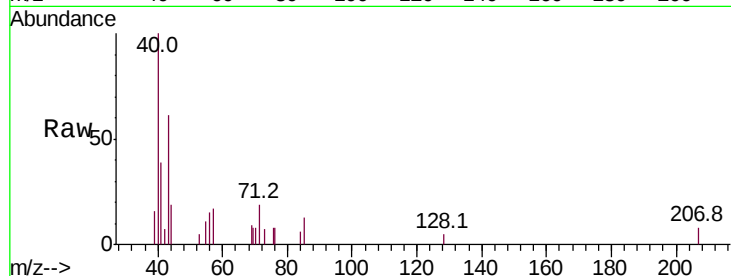
SU-03-093020

Tot Ion: 43 Resp: 2972

Ion Ratio Lower Upper

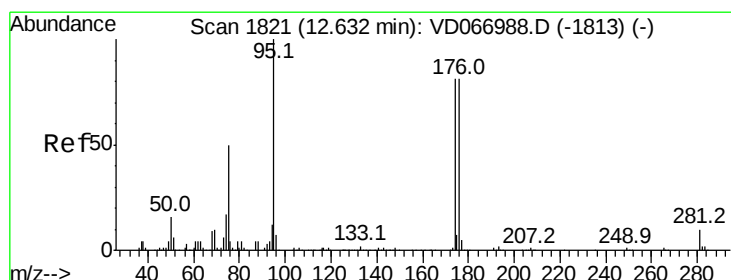
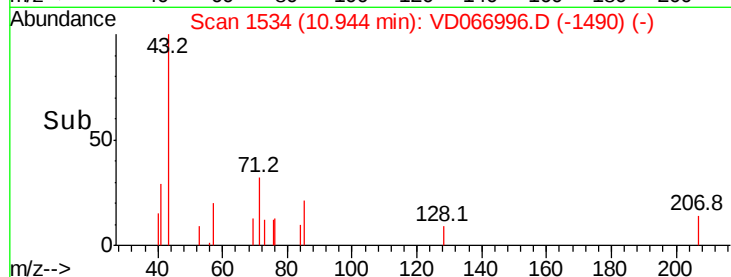
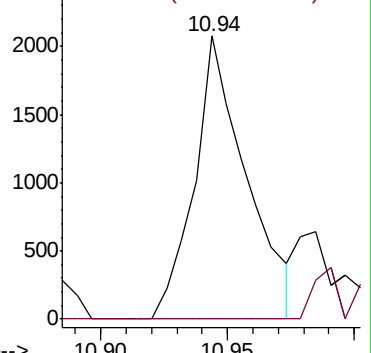
43 100

58 0.0 28.3 84.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 53.174 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

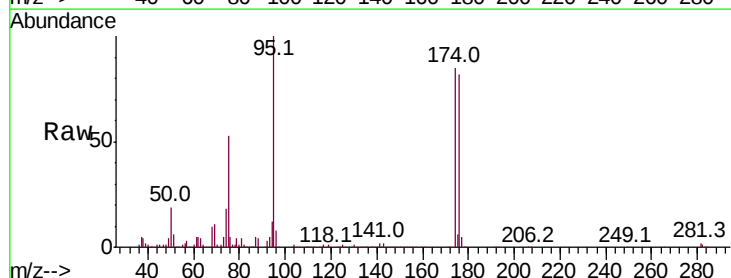
Tgt Ion: 95 Resp: 367317

Ion Ratio Lower Upper

95 100

174 84.4 0.0 167.6

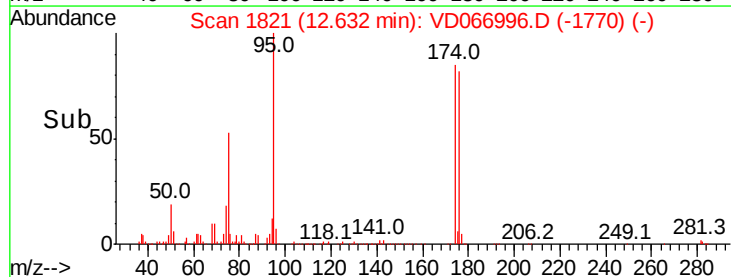
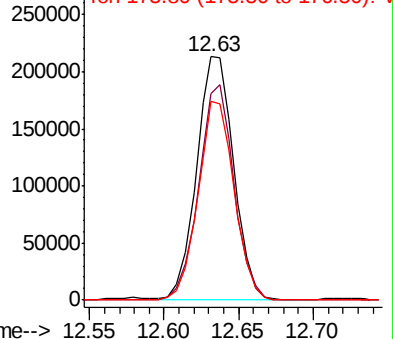
176 79.8 0.0 162.4

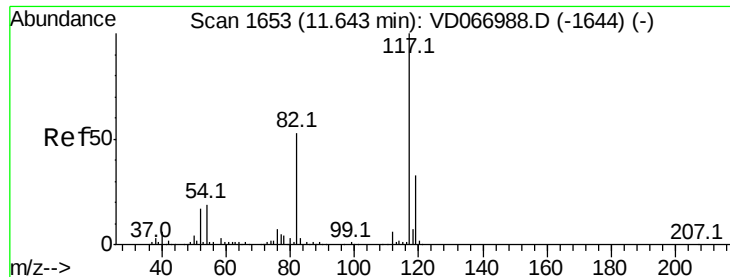


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

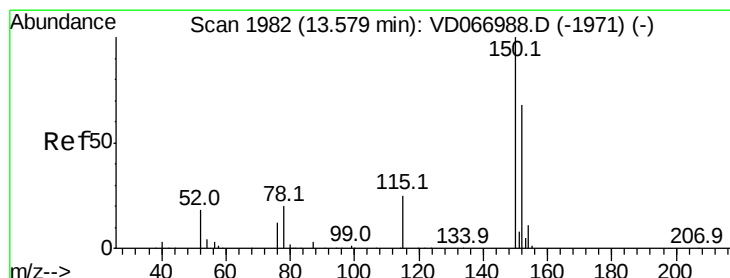
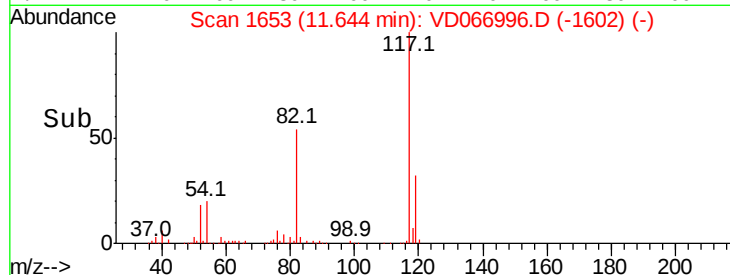
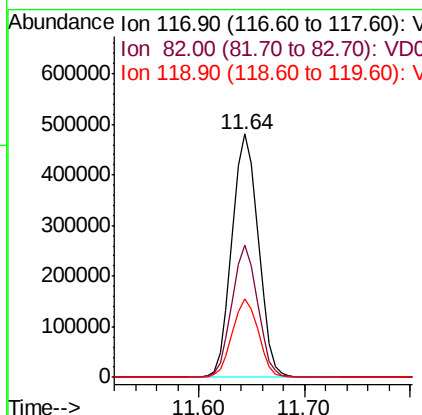
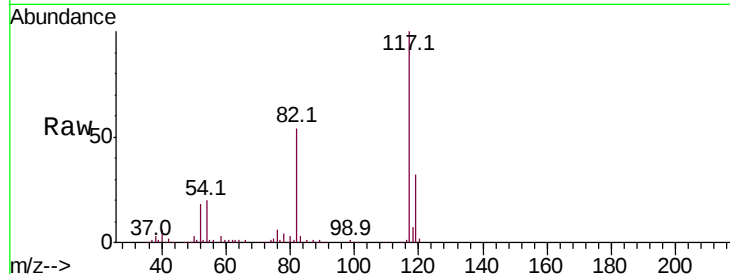




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066996.D
Acq: 01 Oct 2020 16:52

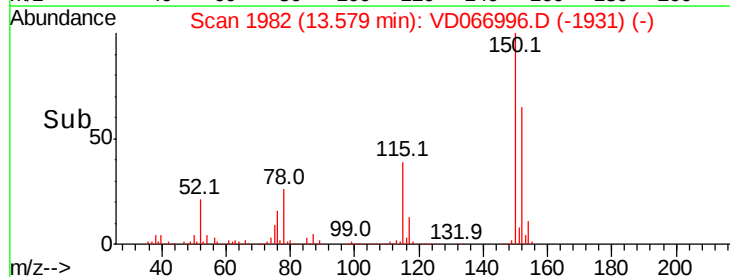
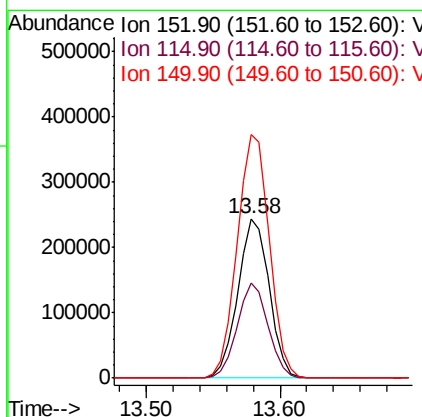
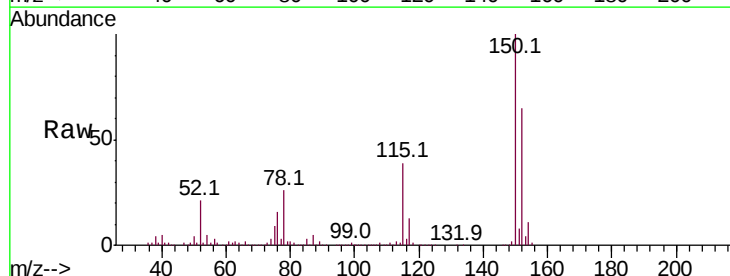
Instrument :
MSVOA_D
ClientSampleId :
SU-03-093020

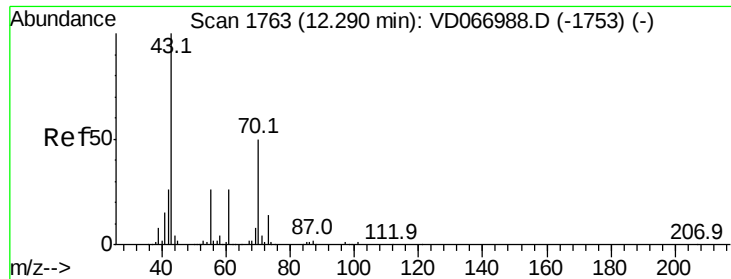
Tot Ion:117 Resp: 830245
Ion Ratio Lower Upper
117 100
82 54.0 42.6 63.8
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066996.D
Acq: 01 Oct 2020 16:52

Tgt Ion:152 Resp: 395774
Ion Ratio Lower Upper
152 100
115 59.0 29.6 88.8
150 156.8 0.0 344.8

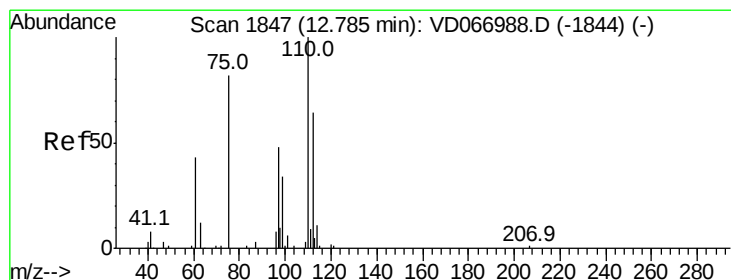
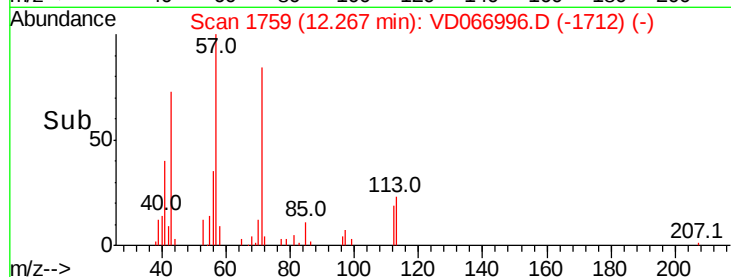
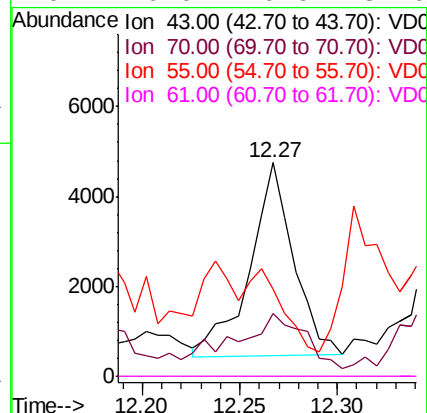
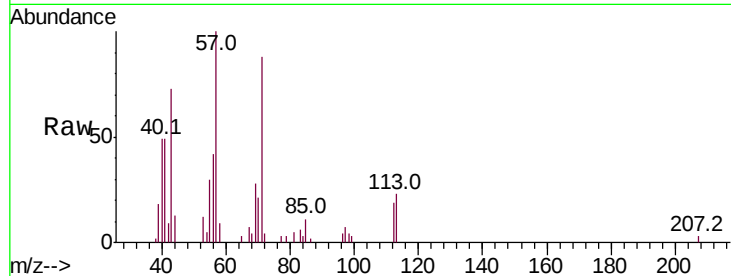




#74
N-amvl acetate
Concen: 1.384 ug/l
RT: 12.27 min Scan# 1759
Delta R.T. -0.02 min
Lab File: VD066996.D
Acq: 01 Oct 2020 16:52

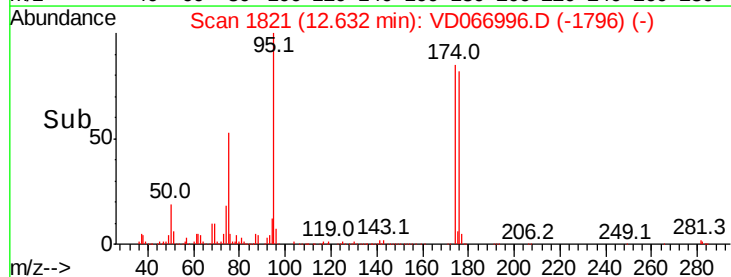
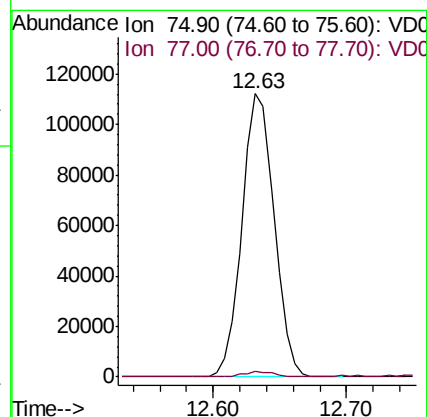
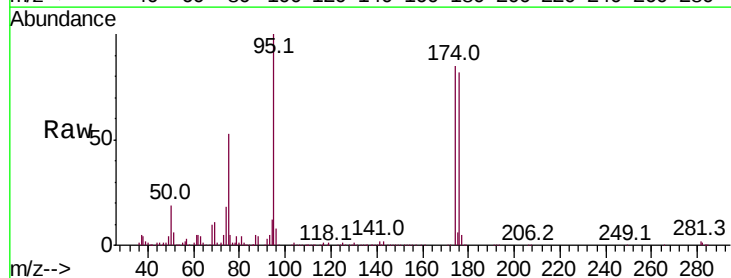
Instrument :
MSVOA_D
ClientSampleId :
SU-03-093020

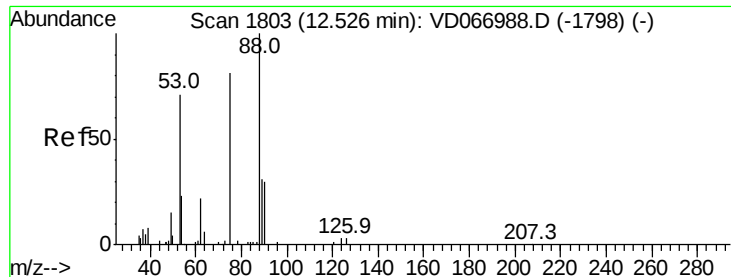
Tot Ion: 43 Resp: 6685
Ion Ratio Lower Upper
43 100
70 44.3 38.2 57.2
55 0.0 22.4 33.6#
61 0.0 20.6 31.0#



#76
1,2,3-Trichloropropane
Concen: 54.270 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066996.D
Acq: 01 Oct 2020 16:52

Tgt Ion: 75 Resp: 187088
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.303 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD066996.D

Acq: 01 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

SU-03-093020

Tot Ion: 75 Resp: 187088

Ion Ratio Lower Upper

75 100

53 0.6 73.8 110.6#

89 0.1 38.9 58.3#

