

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066459.D
 Acq On : 28 Aug 2020 14:55
 Operator : VA/SY
 Sample : L3507-13
 Misc : 8.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-082720

Quant Time: Aug 29 00:45:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	189080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	262844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	234226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114592	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	100143	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
35) Dibromofluoromethane	7.91	113	82454	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.34	98	302181	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.63	95	105393	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	

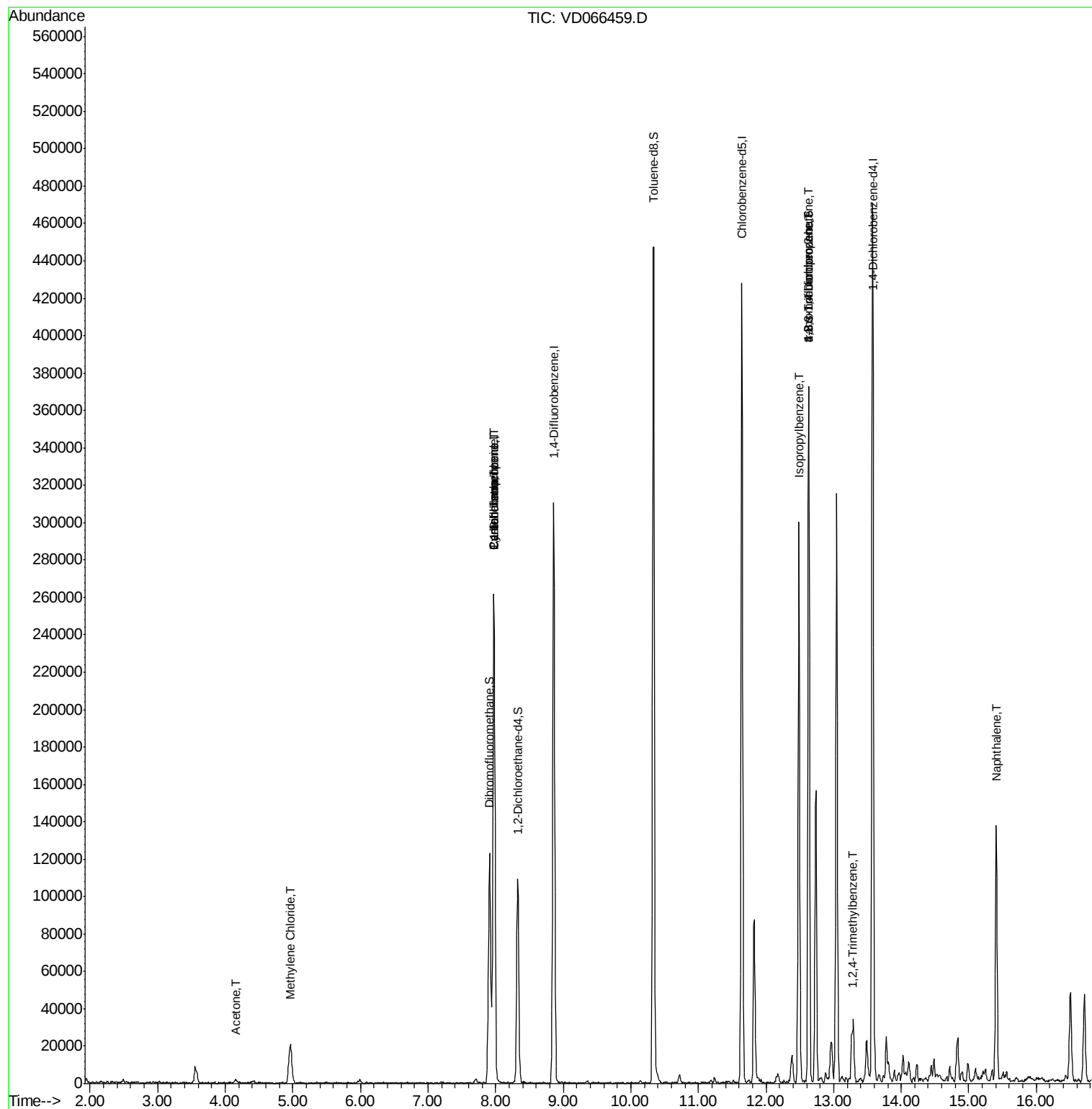
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	3648	10.916	ug/l #	89
20) Methylene Chloride	4.96	84	16800	3.521	ug/l	95
31) Cyclohexane	7.97	56	4568	1.775	ug/l #	23
36) 1,1-Dichloropropene	7.97	75	12740	5.312	ug/l #	51
38) Carbon Tetrachloride	7.97	117	19772	6.328	ug/l #	14
73) Isopropylbenzene	12.48	105	15614	2.034	ug/l #	63
76) 1,2,3-Trichloropropane	12.63	75	66168	82.078	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	66168	174.225	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.27	105	13946	2.142	ug/l	96
95) Naphthalene	15.41	128	121414	31.626	ug/l	99

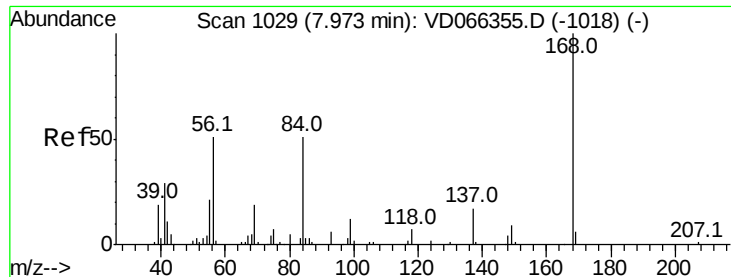
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066459.D

Acq: 28 Aug 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

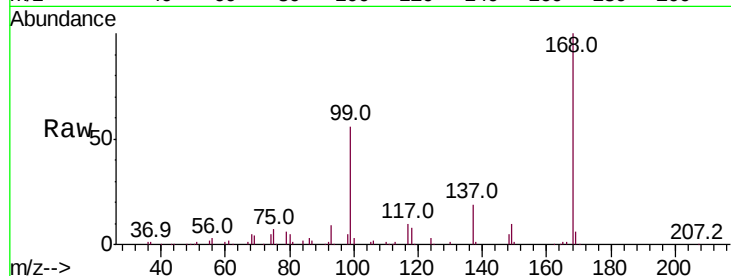
SU-03-082720

Tot Ion:168 Resp: 189080

Ion Ratio Lower Upper

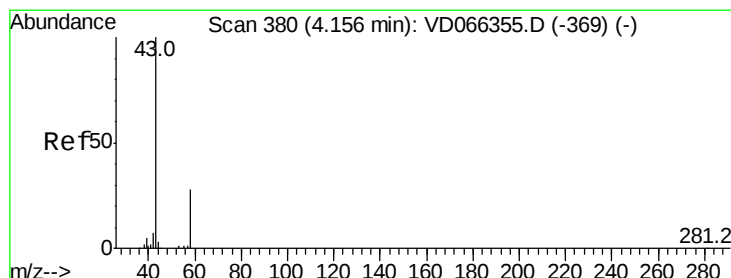
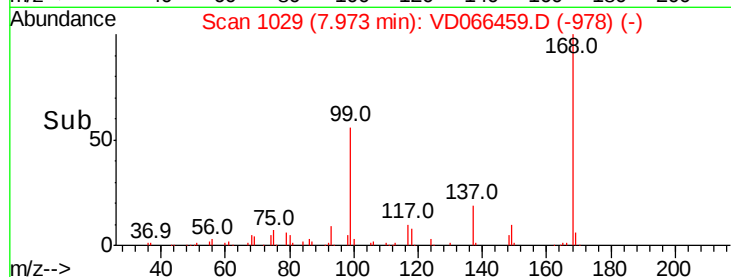
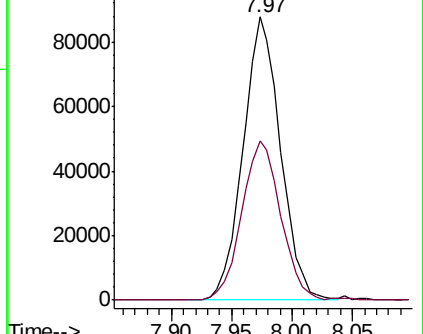
168 100

99 56.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 10.916 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066459.D

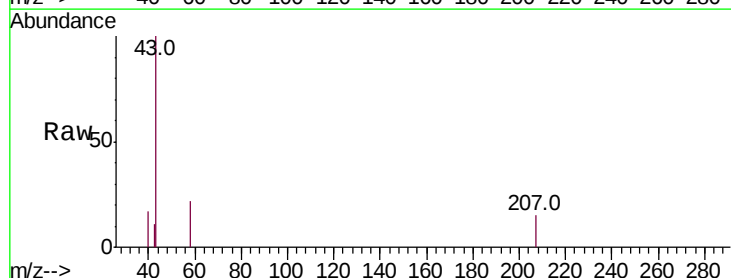
Acq: 28 Aug 2020 14:55

Tgt Ion: 43 Resp: 3648

Ion Ratio Lower Upper

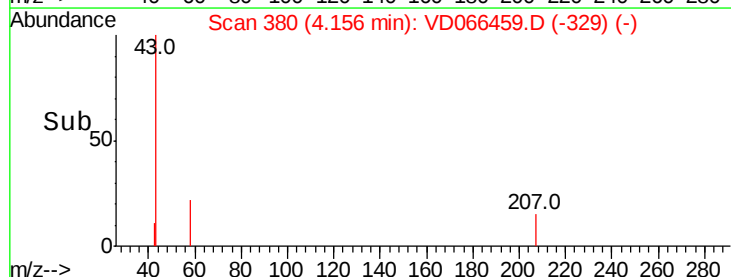
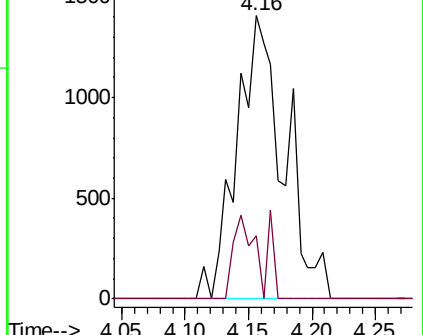
43 100

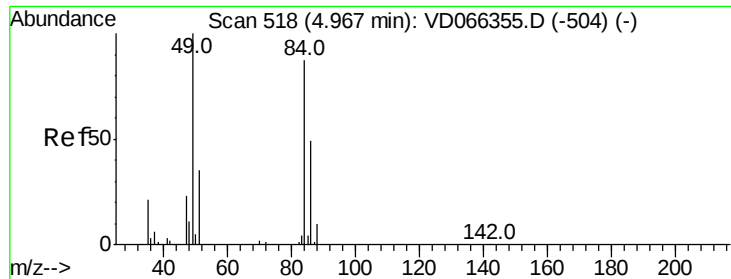
58 22.3 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

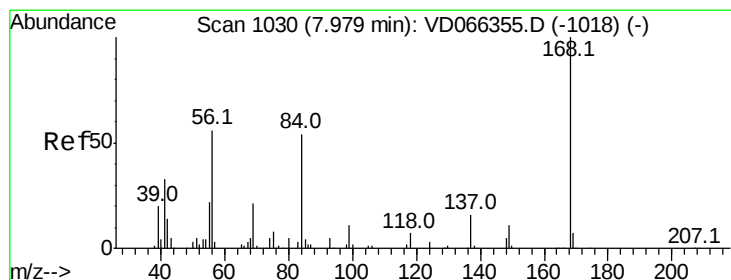
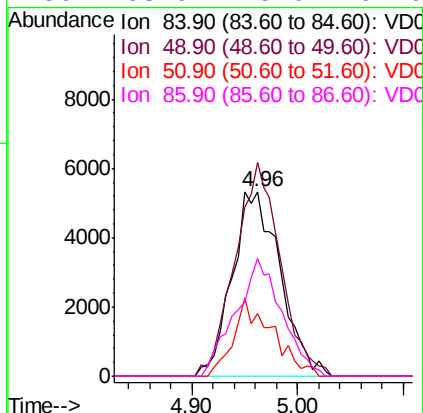
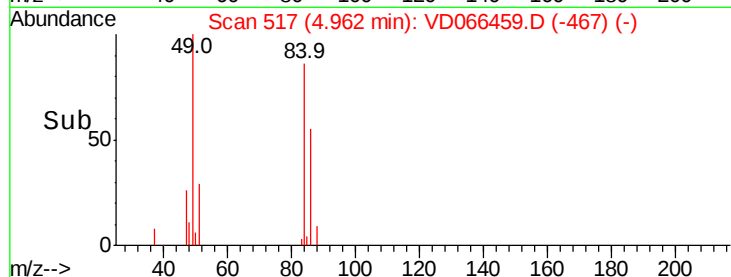
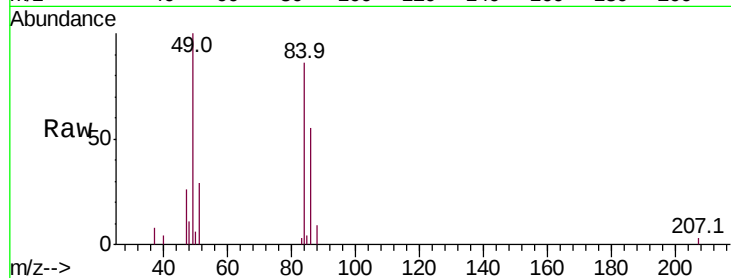




#20
Methvlene Chloride
Concen: 3.521 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066459.D
Acq: 28 Aug 2020 14:55

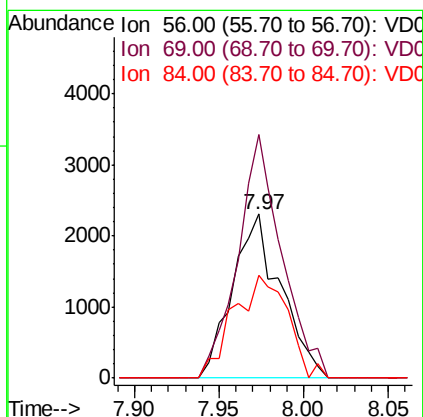
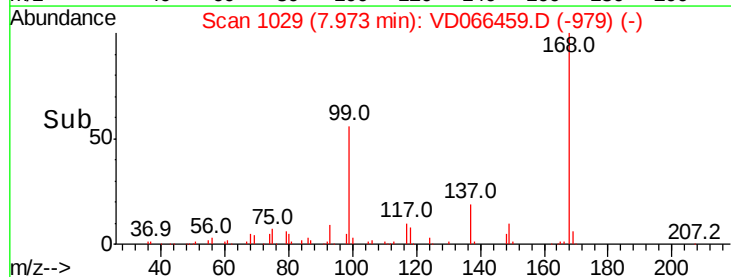
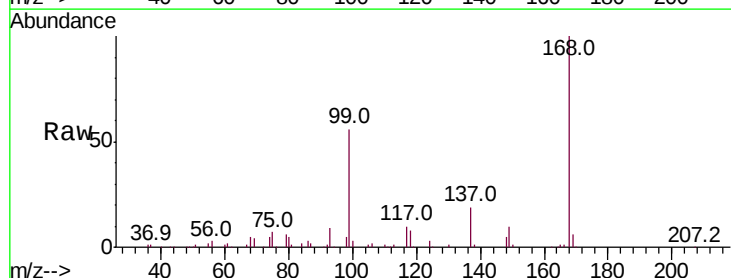
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082720

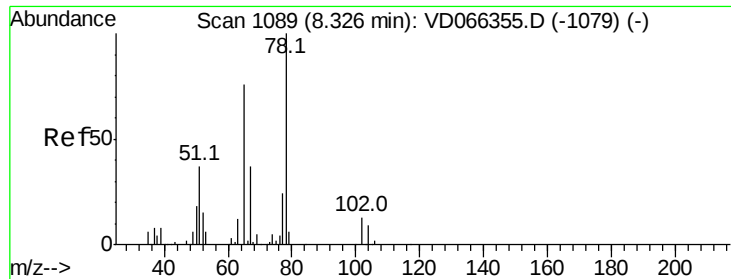
Tot Ion:	84	Resp:	16800
Ion	Ratio	Lower	Upper
84	100		
49	115.7	92.5	138.7
51	33.9	32.5	48.7
86	63.9	45.0	67.6



#31
Cyclohexane
Concen: 1.775 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066459.D
Acq: 28 Aug 2020 14:55

Tgt Ion:	56	Resp:	4568
Ion	Ratio	Lower	Upper
56	100		
69	148.8	29.6	44.4#
84	62.8	76.6	115.0#

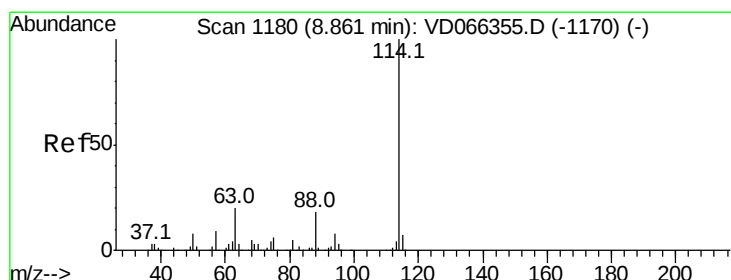
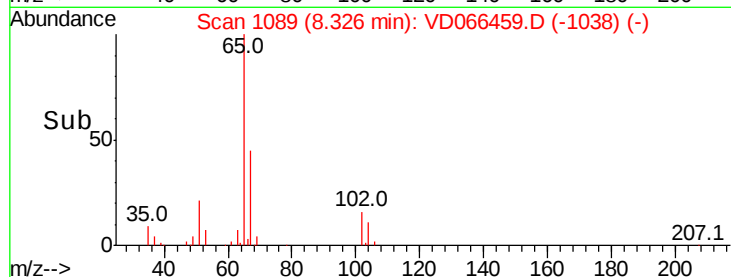
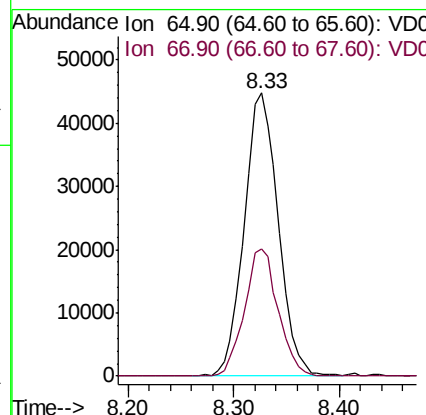
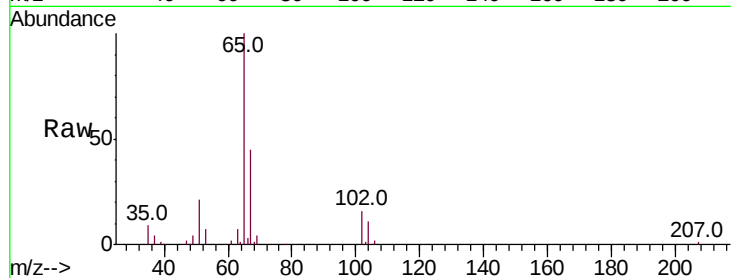




#33
 1,2-Dichloroethane-d4
 Concen: 54.022 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066459.D
 Acq: 28 Aug 2020 14:55

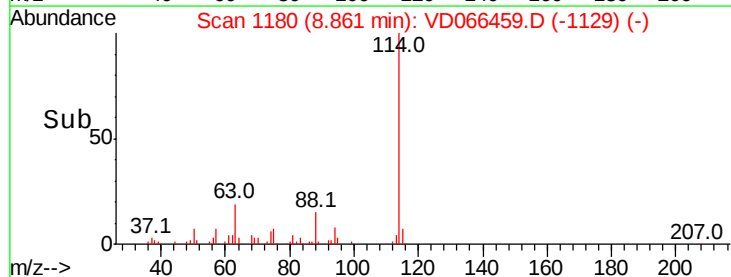
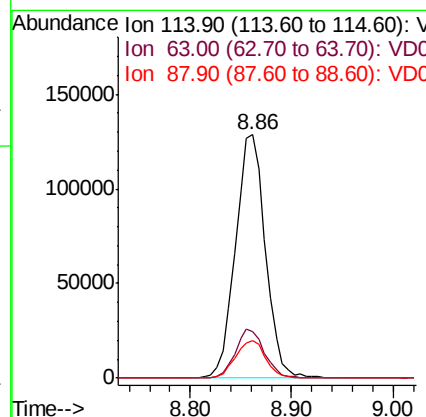
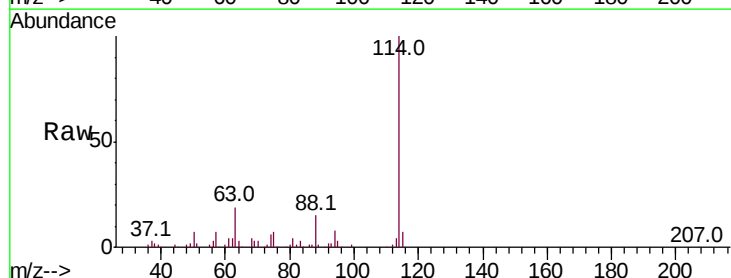
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-082720

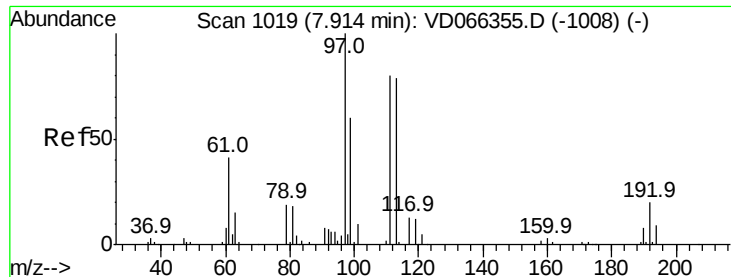
Tot Ion: 65 Resp: 100143
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066459.D
 Acq: 28 Aug 2020 14:55

Tgt Ion: 114 Resp: 262844
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.8
 88 15.3 0.0 35.4

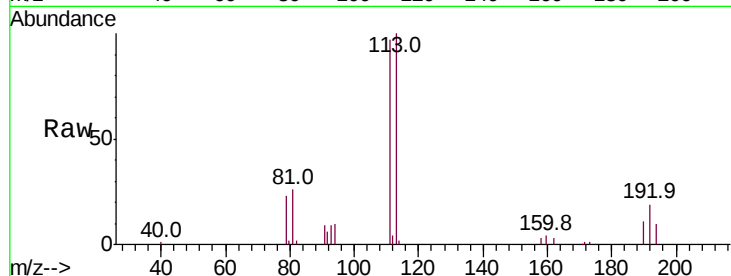




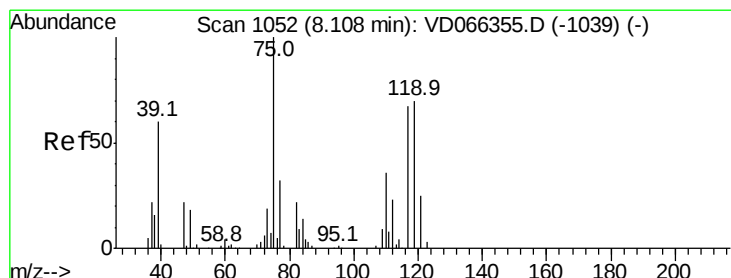
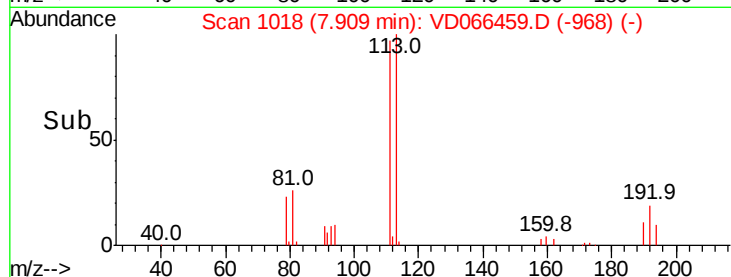
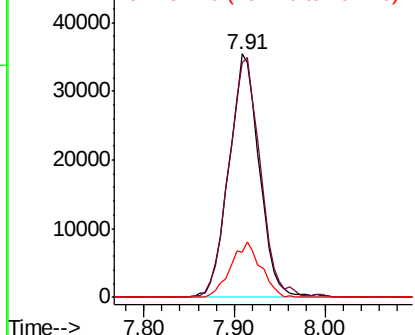
#35
Dibromofluoromethane
Concen: 50.167 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066459.D
Acq: 28 Aug 2020 14:55

Instrument :
MSVOA_D
ClientSampleId :
SU-03-082720

Tot Ion:113 Resp: 82454
Ion Ratio Lower Upper
113 100
111 101.9 80.3 120.5
192 22.6 19.0 28.6

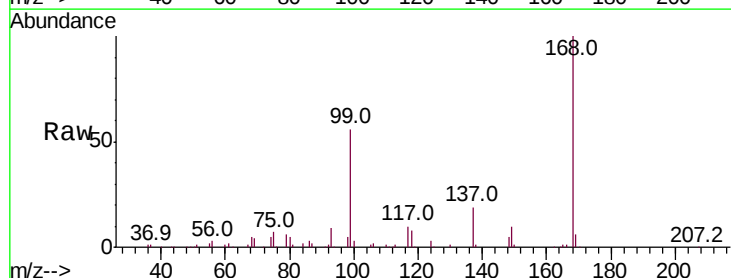


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

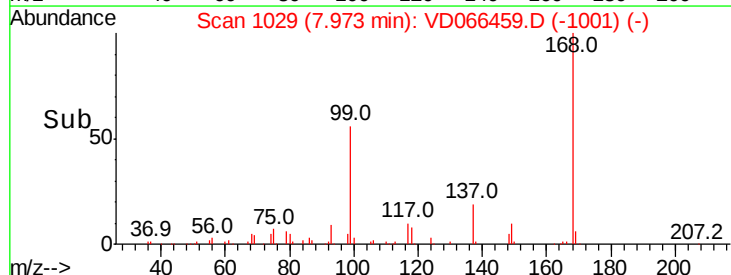
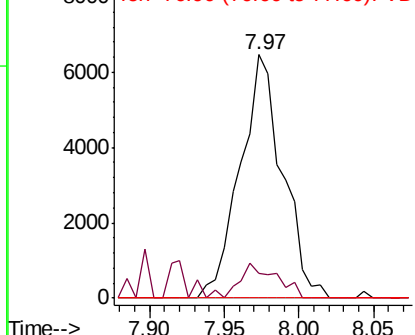


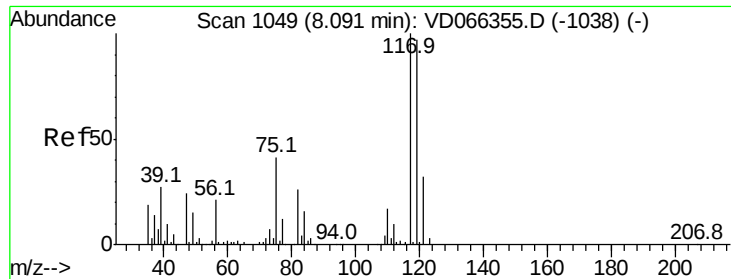
#36
1,1-Dichloropropene
Concen: 5.312 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD066459.D
Acq: 28 Aug 2020 14:55

Tgt Ion: 75 Resp: 12740
Ion Ratio Lower Upper
75 100
110 11.9 18.7 56.1#
77 0.0 25.2 37.8#



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





#38

Carbon Tetrachloride

Concen: 6.328 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066459.D

Acq: 28 Aug 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

SU-03-082720

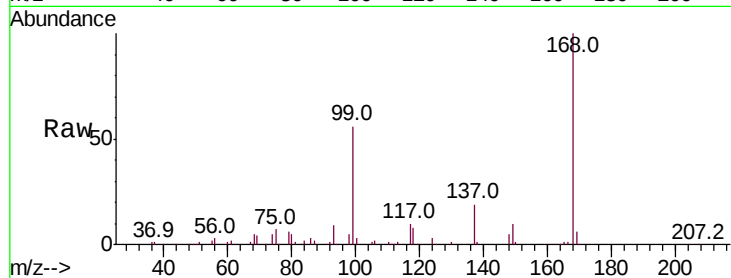
Tot Ion:117 Resp: 19772

Ion Ratio Lower Upper

117 100

119 3.1 77.2 115.8#

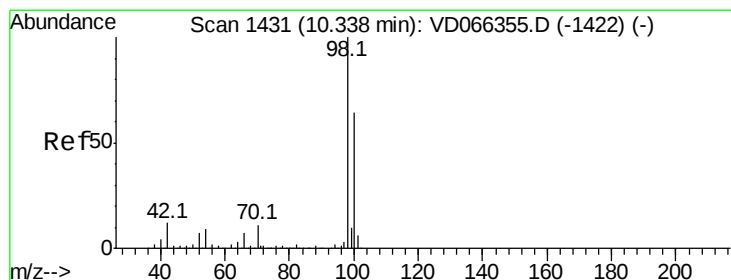
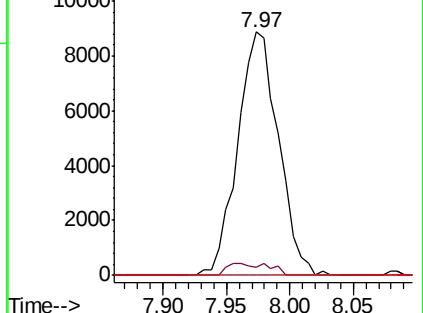
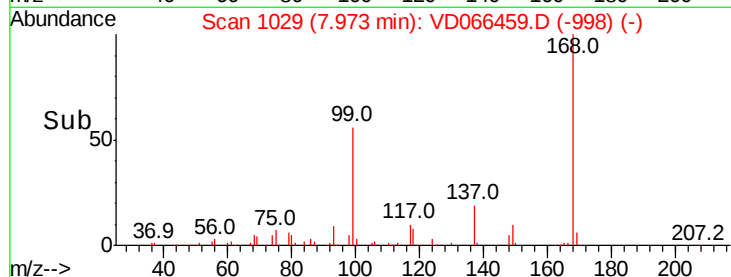
121 0.0 25.8 38.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.249 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066459.D

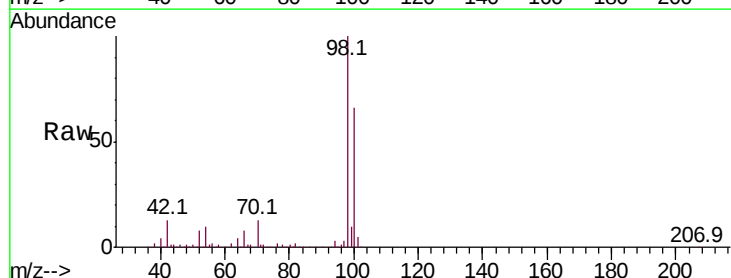
Acq: 28 Aug 2020 14:55

Tgt Ion: 98 Resp: 302181

Ion Ratio Lower Upper

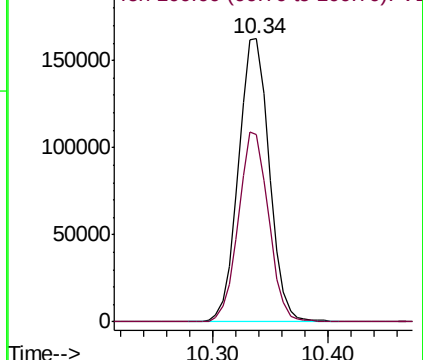
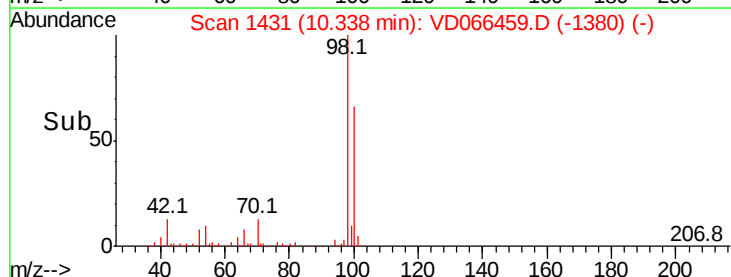
98 100

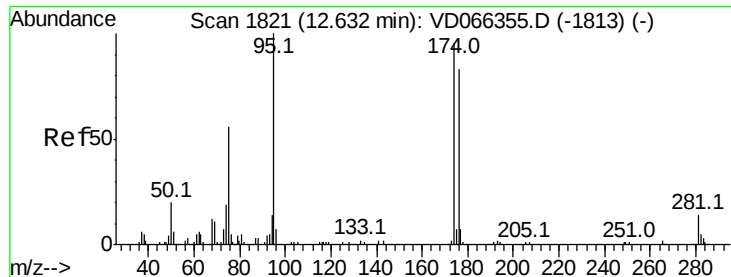
100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.390 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066459.D

Acq: 28 Aug 2020 14:55

Instrument :

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SU-03-082720

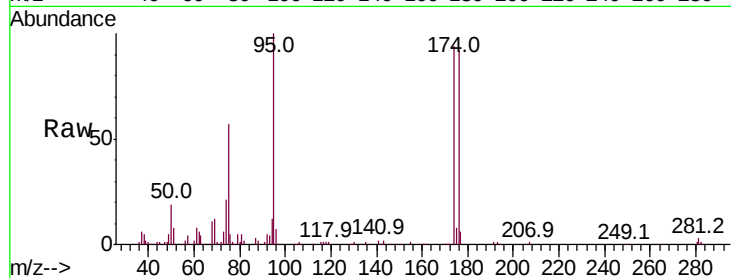
Tot Ion: 95 Resp: 105393

Ion Ratio Lower Upper

95 100

174 97.4 0.0 183.4

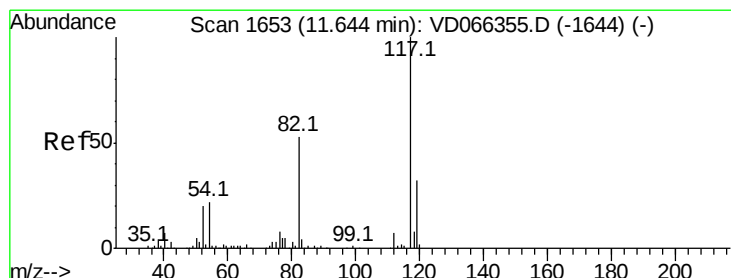
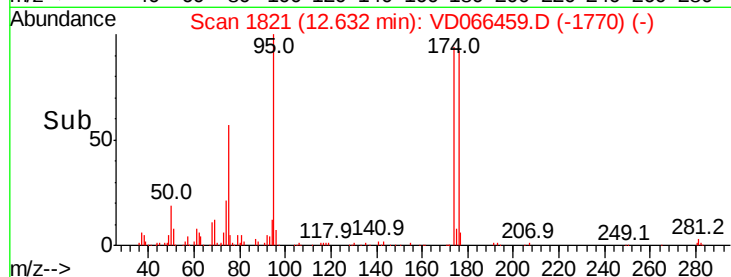
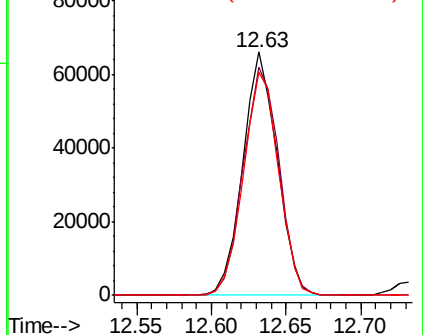
176 93.9 0.0 173.8



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: VD066459.D

Acq: 28 Aug 2020 14:55

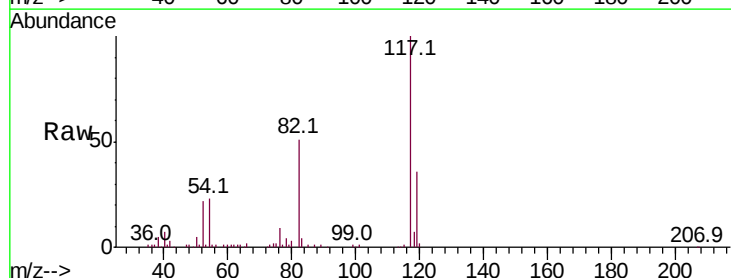
Tgt Ion: 117 Resp: 234226

Ion Ratio Lower Upper

117 100

82 51.0 42.8 64.2

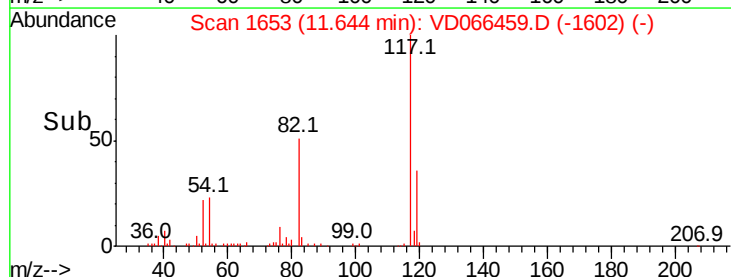
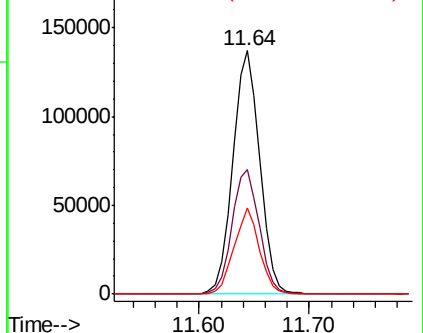
119 35.6 25.8 38.8

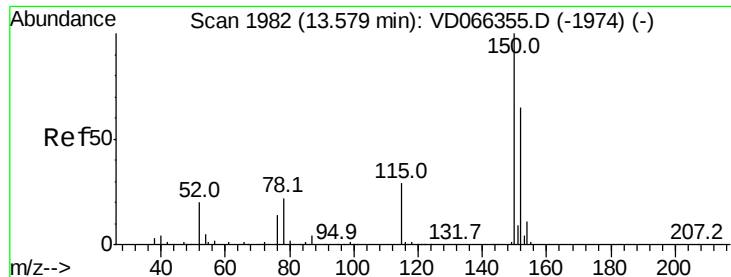


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066459.D

Acq: 28 Aug 2020 14:55

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SU-03-082720

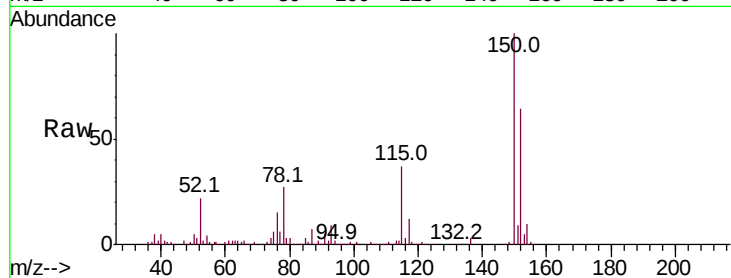
Tot Ion:152 Resp: 114592

Ion Ratio Lower Upper

152 100

115 58.4 28.3 85.0

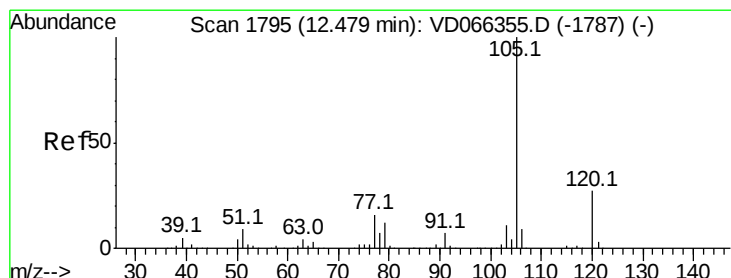
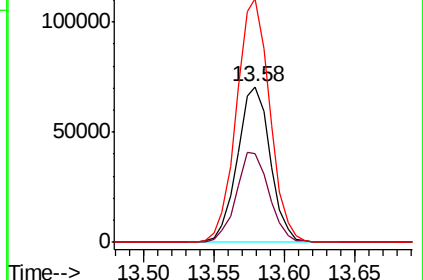
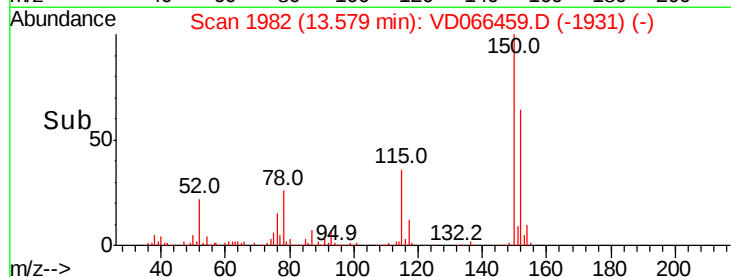
150 158.6 0.0 343.2



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



#73

Isopropylbenzene

Concen: 2.034 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066459.D

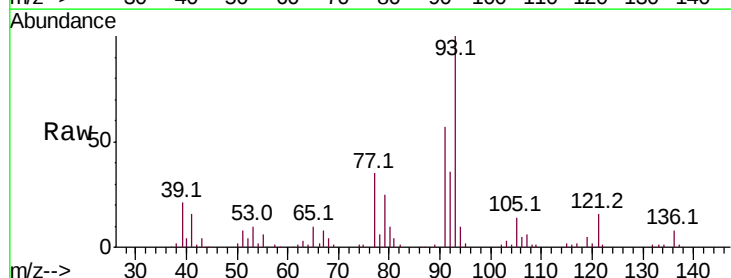
Acq: 28 Aug 2020 14:55

Tgt Ion:105 Resp: 15614

Ion Ratio Lower Upper

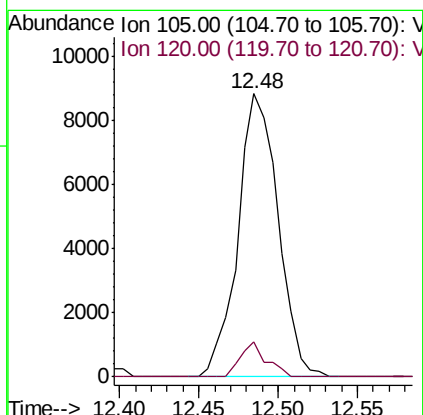
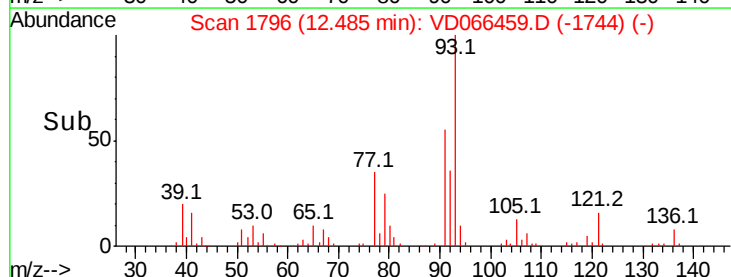
105 100

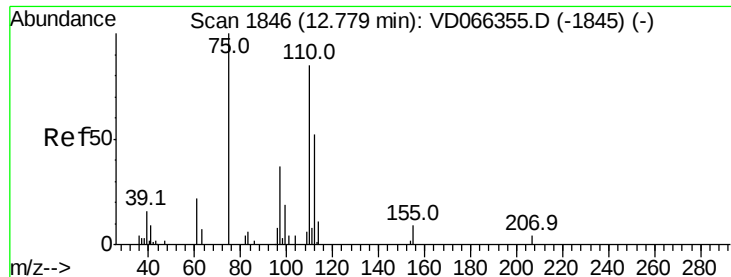
120 7.9 13.6 40.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 82.078 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066459.D

Acq: 28 Aug 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

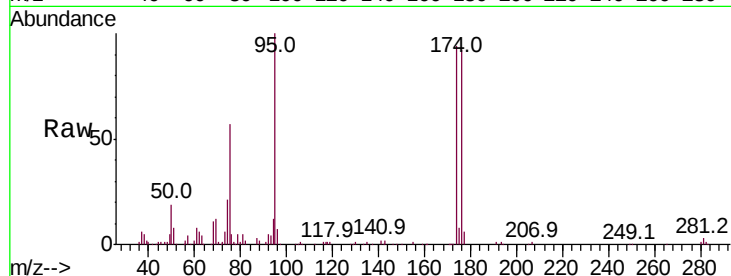
SU-03-082720

Tot Ion: 75 Resp: 66168

Ion Ratio Lower Upper

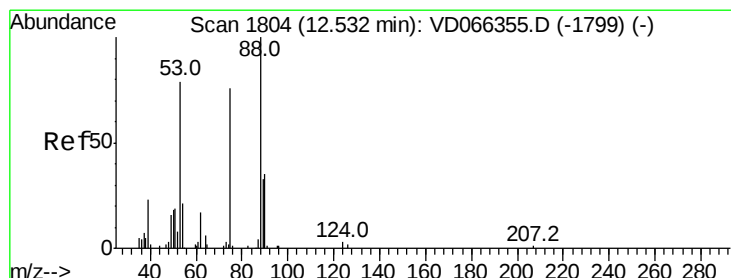
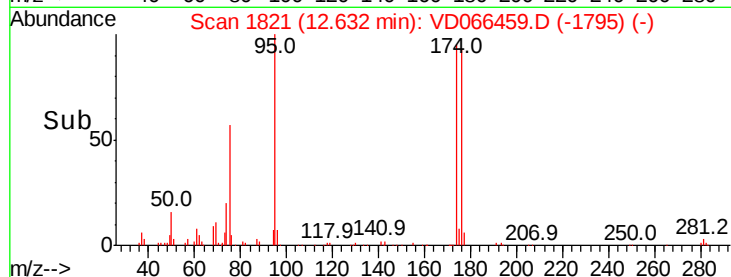
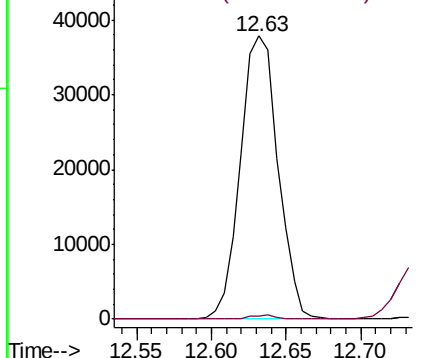
75 100

77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 174.225 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066459.D

Acq: 28 Aug 2020 14:55

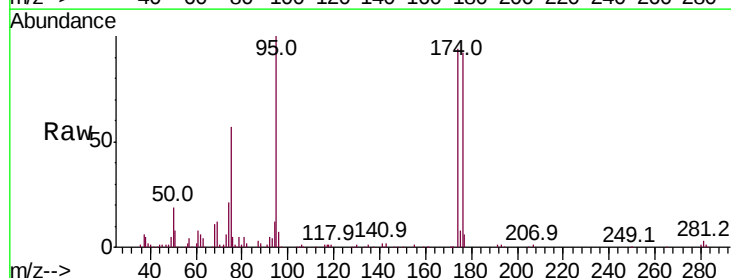
Tgt Ion: 75 Resp: 66168

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

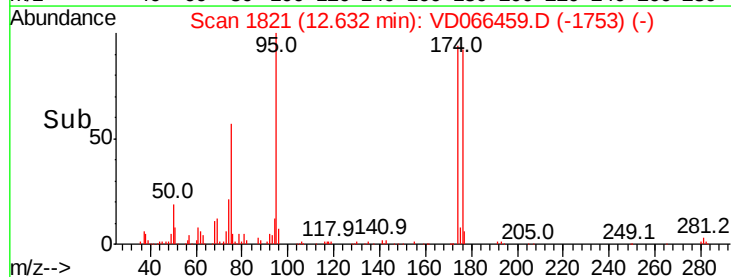
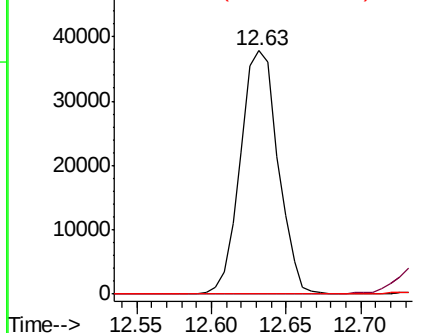
89 0.0 39.4 59.0#

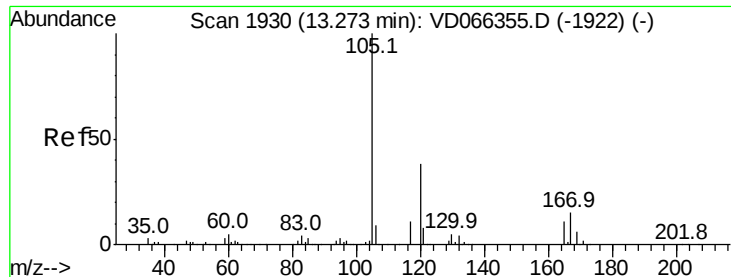


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 2.142 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066459.D

Acq: 28 Aug 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

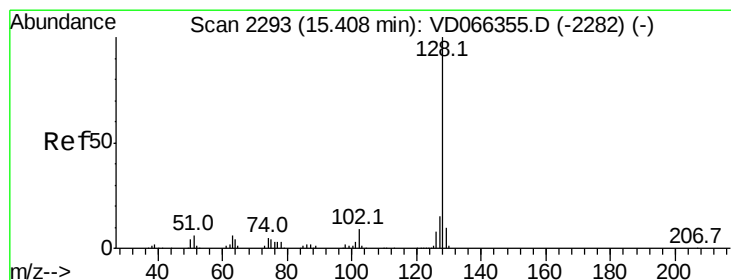
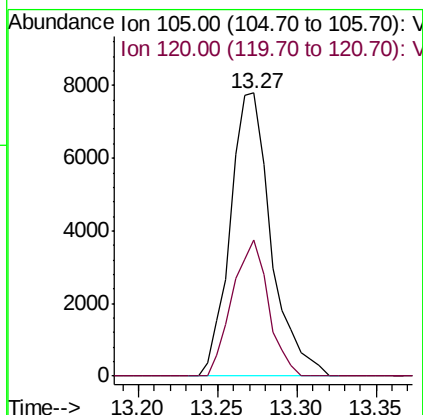
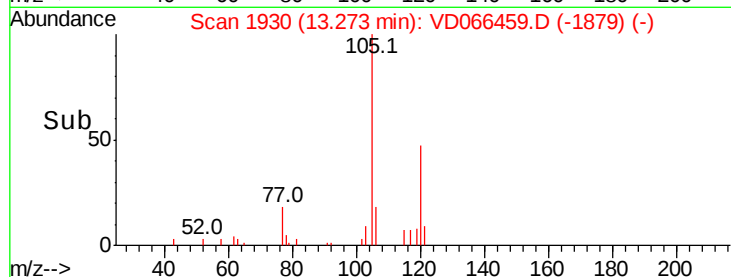
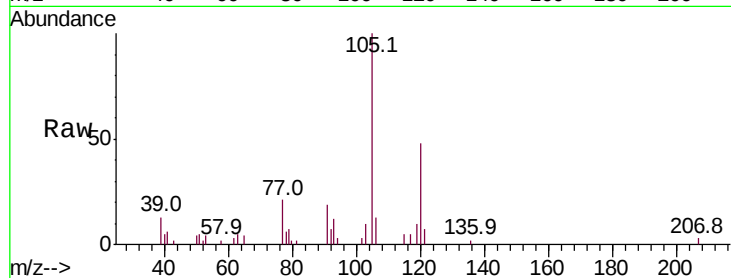
SU-03-082720

Tot Ion:105 Resp: 13946

Ion Ratio Lower Upper

105 100

120 42.3 22.6 67.7



#95

Naphthalene

Concen: 31.626 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066459.D

Acq: 28 Aug 2020 14:55

Tgt Ion:128 Resp: 121414

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 11.1 8.6 12.8

