

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066389.D
 Acq On : 24 Aug 2020 18:58
 Operator : VA/SY
 Sample : L3786-03
 Misc : 6.61G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 619-047

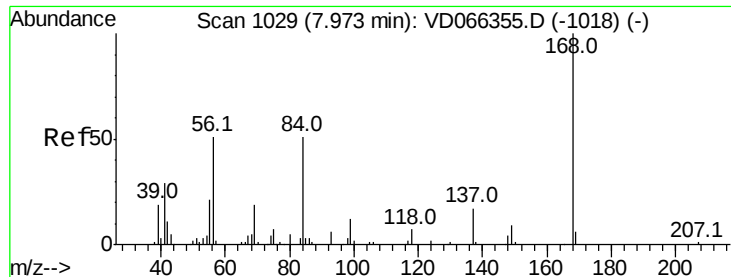
Quant Time: Aug 25 02:43:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	240182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	365409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	341207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152984	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	125101	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
35) Dibromofluoromethane	7.91	113	116576	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
50) Toluene-d8	10.33	98	438809	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.63	95	150977	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	533	1.256	ug/l #	46
20) Methylene Chloride	4.98	84	5300	Below Cal	#	72
31) Cyclohexane	7.98	56	5549	1.697	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	16640	4.991	ug/l #	41
38) Carbon Tetrachloride	7.97	117	23169	5.334	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	12.74	83	4484	3.063	ug/l #	27
76) 1,2,3-Trichloropropane	12.63	75	80826	75.100	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	80826	159.412	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

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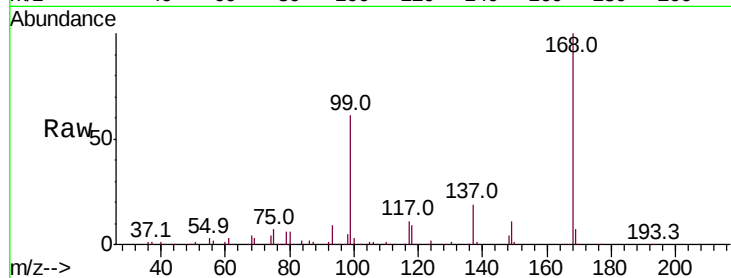
619-047

Tot Ion:168 Resp: 240182

Ion Ratio Lower Upper

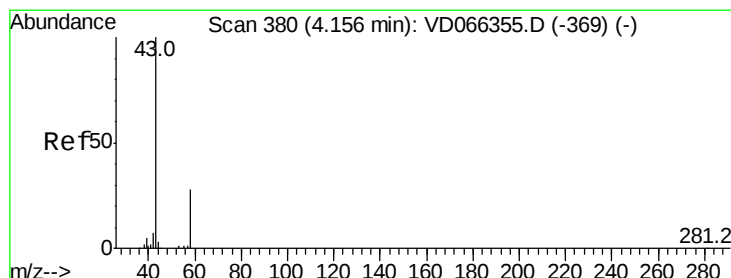
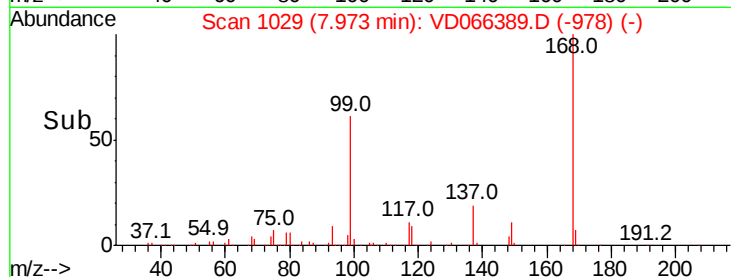
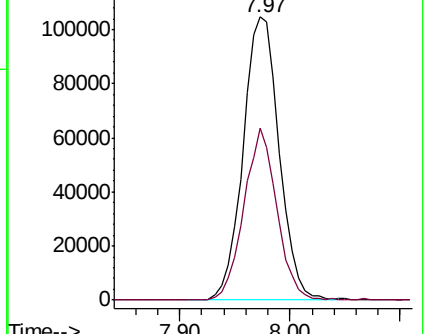
168 100

99 60.9 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: 1.256 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066389.D

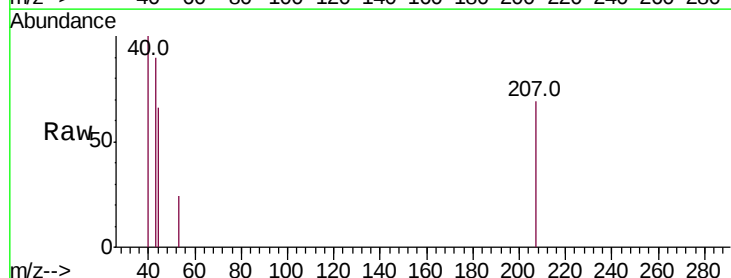
Acq: 24 Aug 2020 18:58

Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

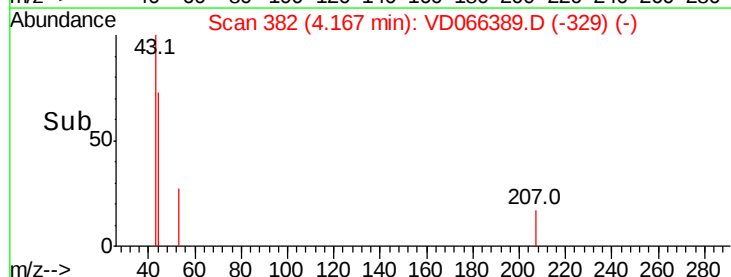
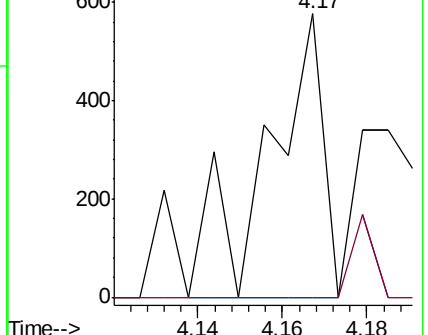
43 100

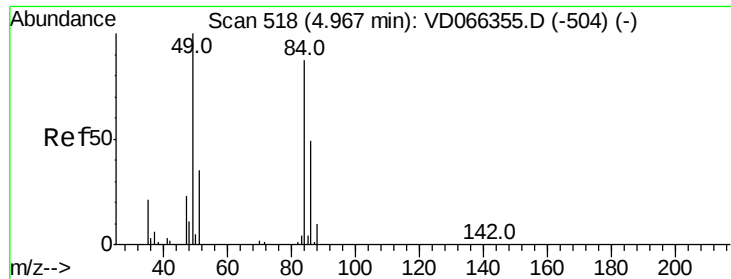
58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

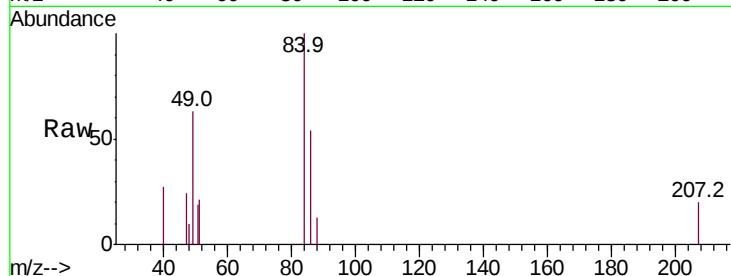




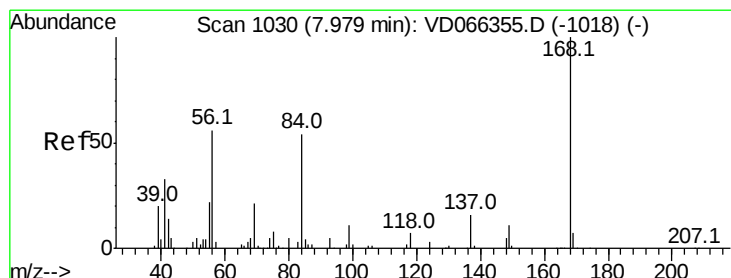
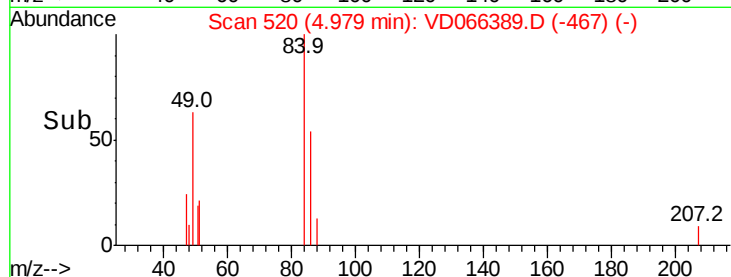
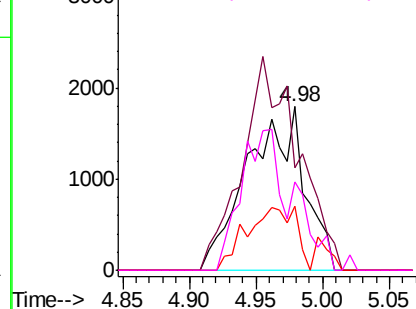
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD066389.D
Acq: 24 Aug 2020 18:58

Instrument :
MSVOA_D
ClientSampleId :
619-047

Tot Ion: 84 Resp: 5300
Ion Ratio Lower Upper
84 100
49 63.0 92.5 138.7#
51 39.2 32.5 48.7
86 54.1 45.0 67.6

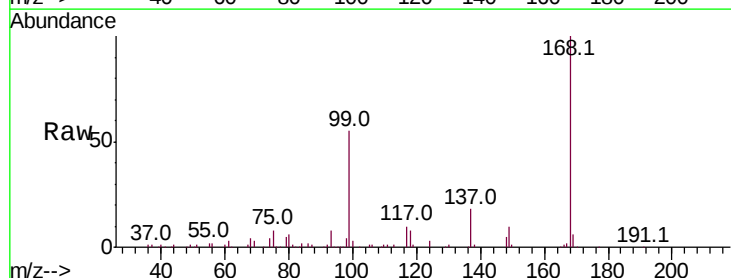


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

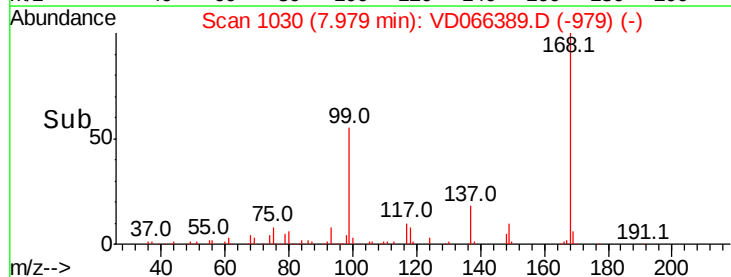
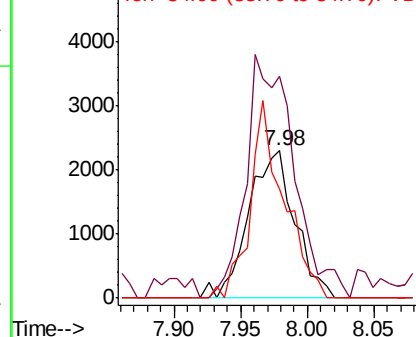


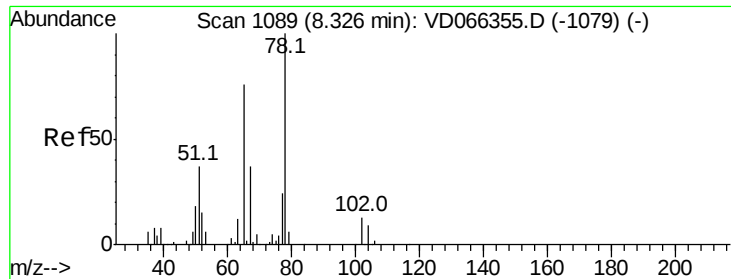
#31
Cyclohexane
Concen: 1.697 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066389.D
Acq: 24 Aug 2020 18:58

Tgt Ion: 56 Resp: 5549
Ion Ratio Lower Upper
56 100
69 141.7 29.6 44.4#
84 73.9 76.6 115.0#



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: 53.127 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

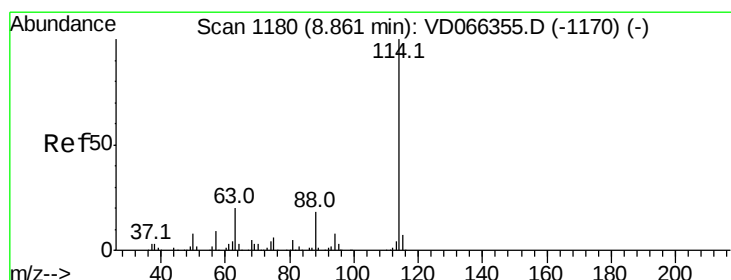
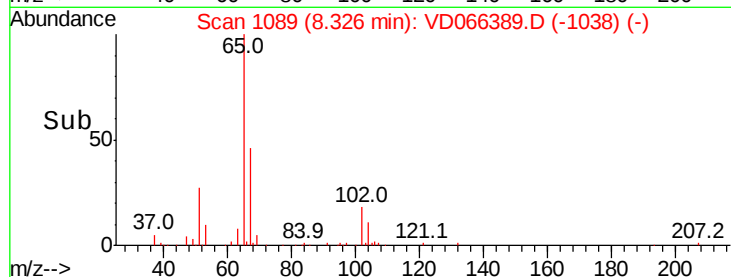
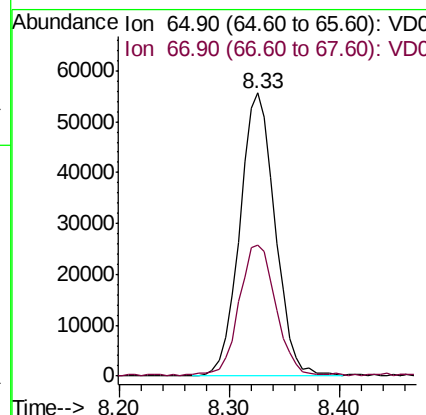
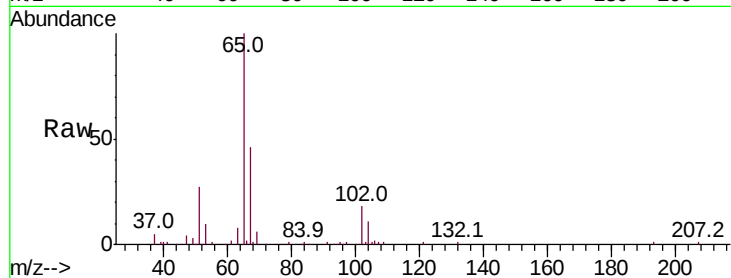
Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

Instrument :
MSVOA_D
ClientSampleId :
619-047

Tot Ion: 65 Resp: 125101

Ion	Ratio	Lower	Upper
65	100		
67	47.3	0.0	101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

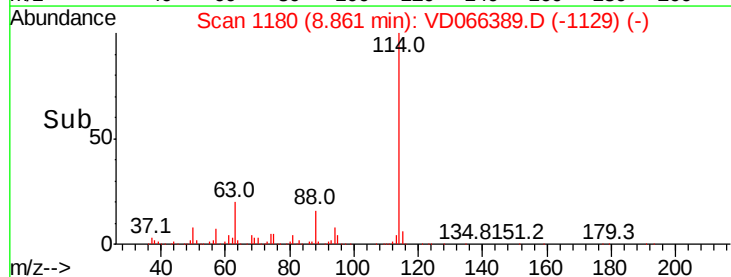
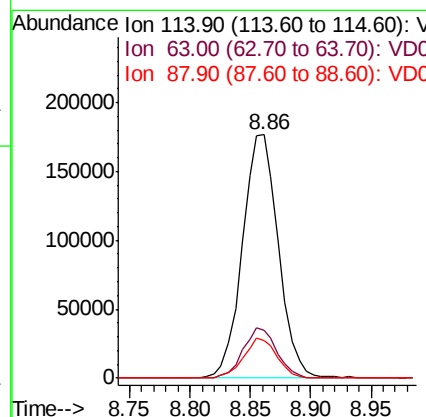
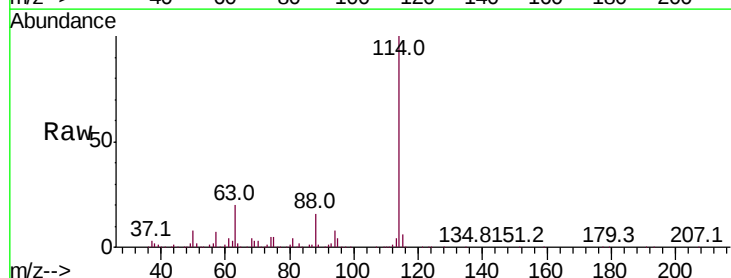
Delta R.T. -0.00 min

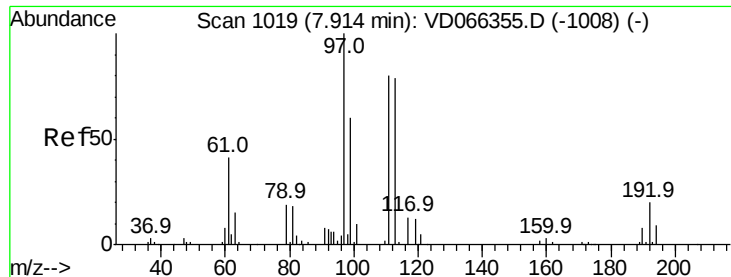
Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

Tgt Ion: 114 Resp: 365409

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	15.6	0.0	35.4

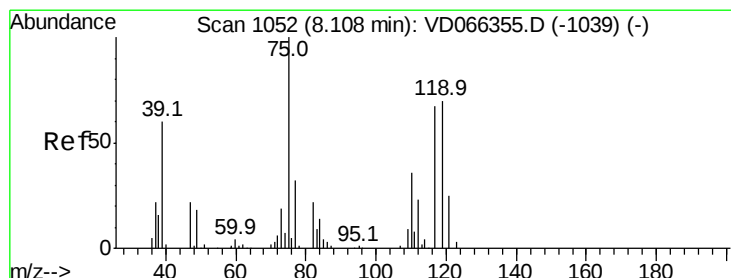
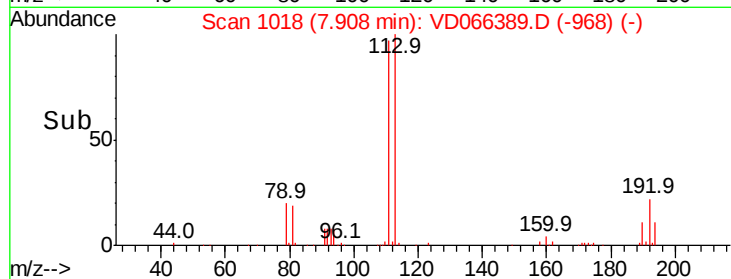
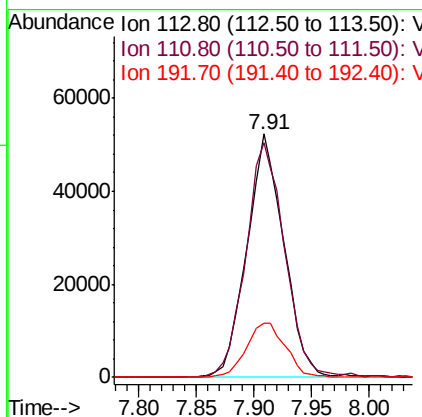
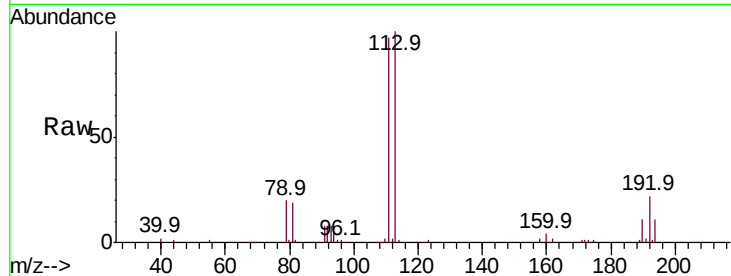




#35
 Dibromofluoromethane
 Concen: 51.019 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066389.D
 Acq: 24 Aug 2020 18:58

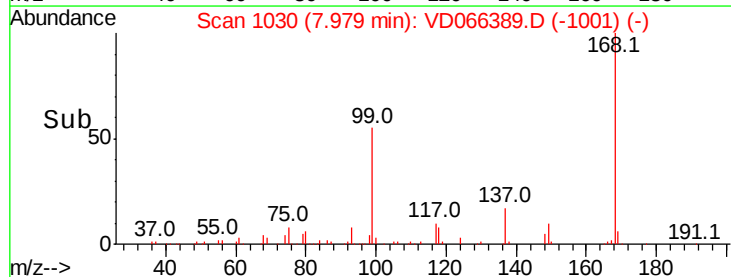
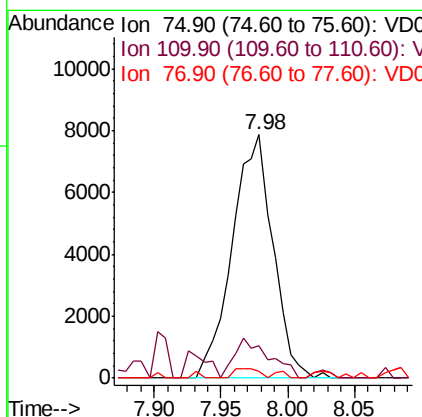
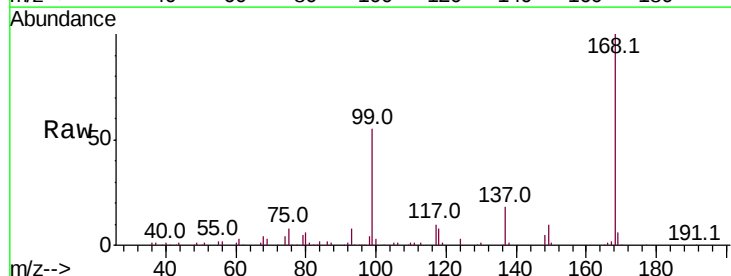
Instrument :
 MSVOA_D
 ClientSampleId :
 619-047

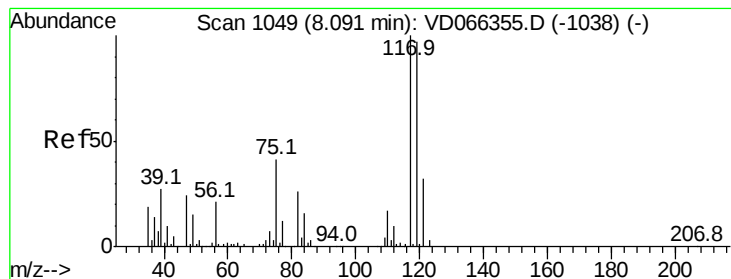
Tot Ion:113 Resp: 116576
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.3 120.5
 192 23.6 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066389.D
 Acq: 24 Aug 2020 18:58

Tgt Ion: 75 Resp: 16640
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.7 56.1#
 77 0.8 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.334 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

619-047

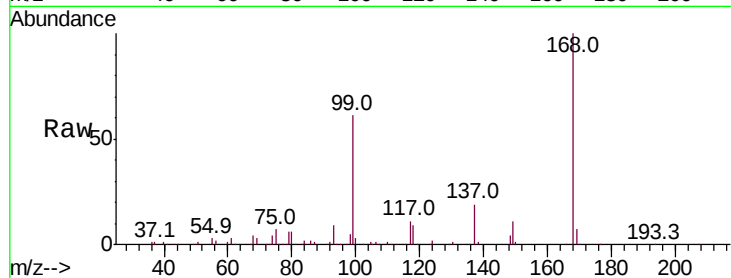
Tot Ion:117 Resp: 23169

Ion Ratio Lower Upper

117 100

119 3.4 77.2 115.8#

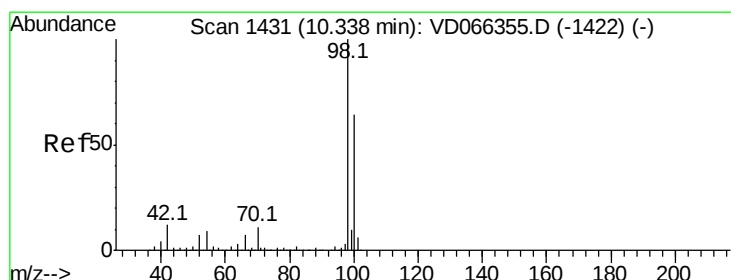
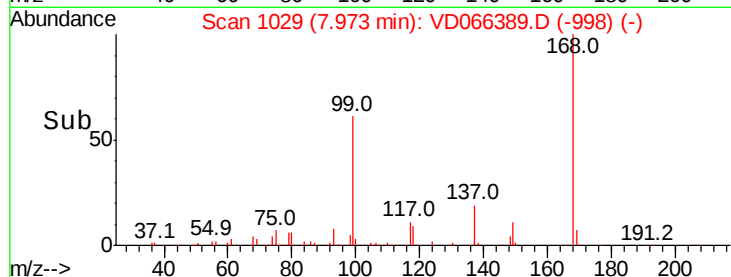
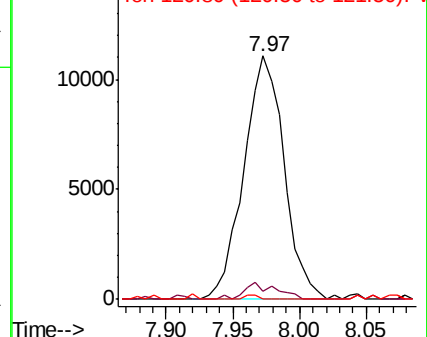
121 0.0 25.8 38.8#



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: 52.487 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066389.D

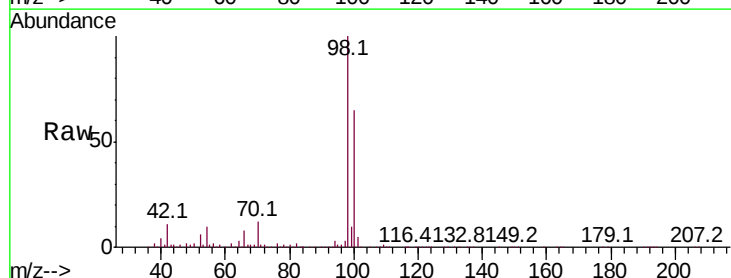
Acq: 24 Aug 2020 18:58

Tgt Ion: 98 Resp: 438809

Ion Ratio Lower Upper

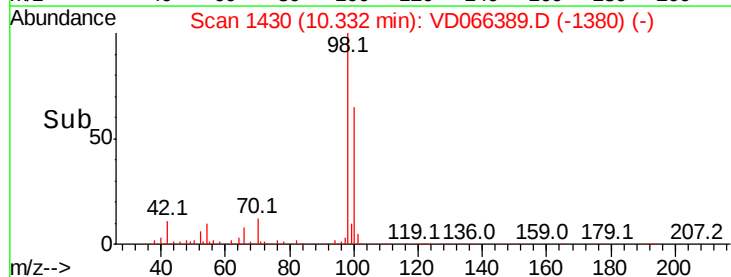
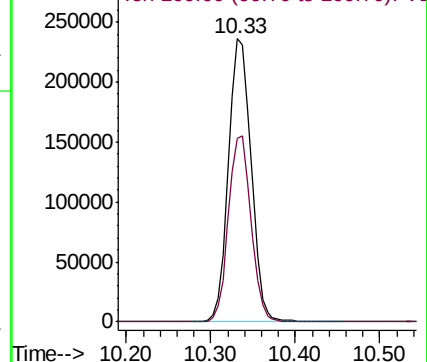
98 100

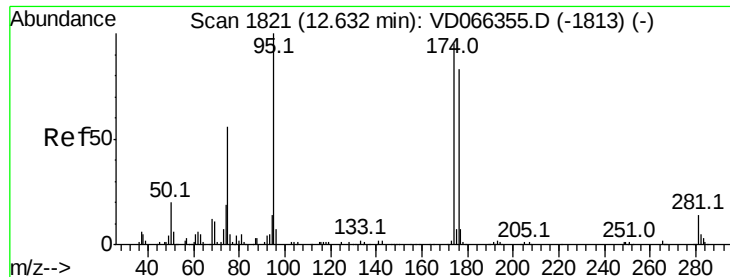
100 65.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.893 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

619-047

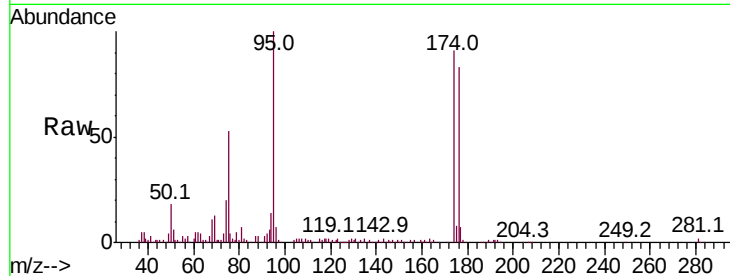
Tot Ion: 95 Resp: 150977

Ion Ratio Lower Upper

95 100

174 94.0 0.0 183.4

176 87.7 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

120000

100000

80000

60000

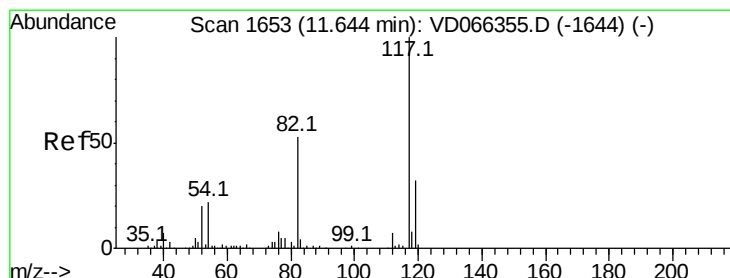
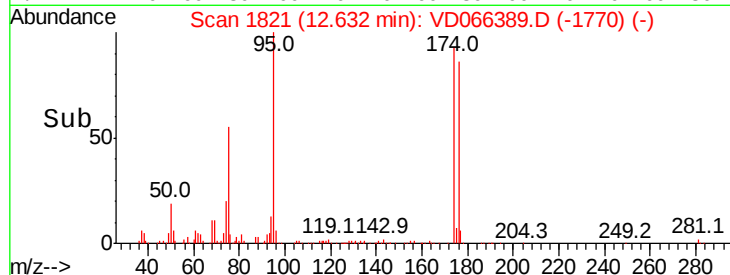
40000

20000

0

12.50 12.60 12.70

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

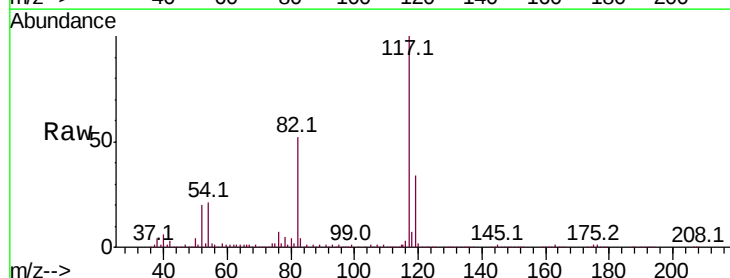
Tgt Ion: 117 Resp: 341207

Ion Ratio Lower Upper

117 100

82 51.6 42.8 64.2

119 33.3 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

250000

200000

150000

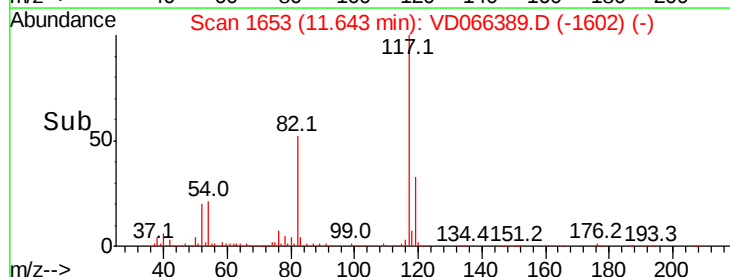
100000

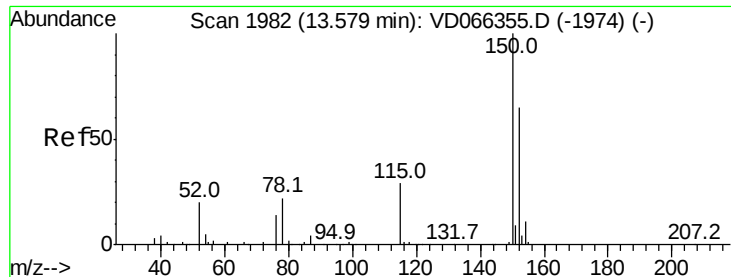
50000

0

11.50 11.60 11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

619-047

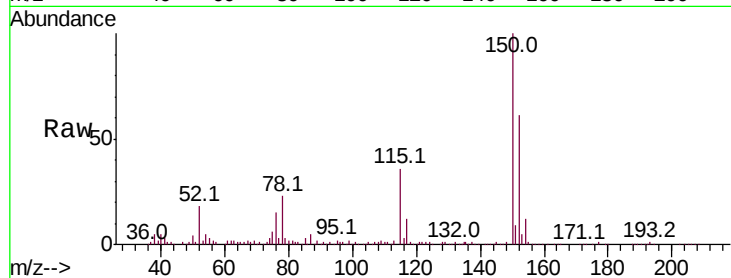
Tot Ion:152 Resp: 152984

Ion Ratio Lower Upper

152 100

115 58.9 28.3 85.0

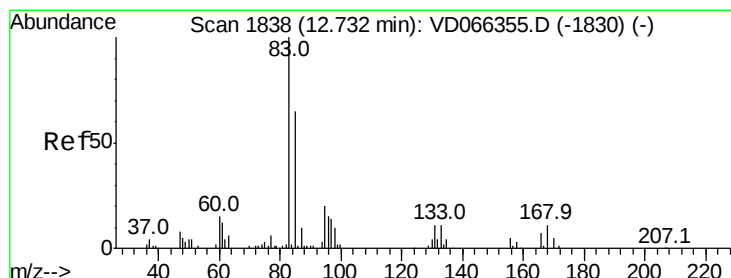
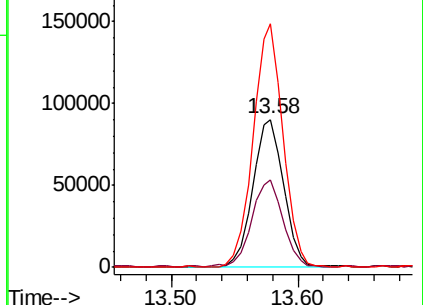
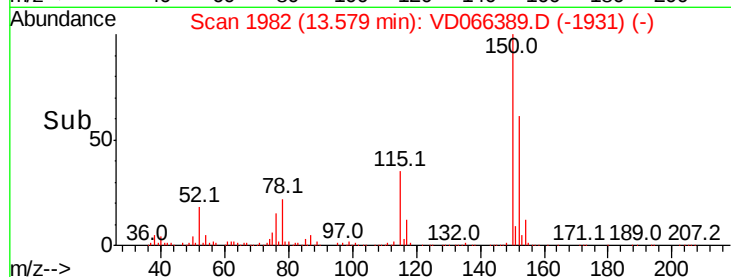
150 158.5 0.0 343.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 3.063 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

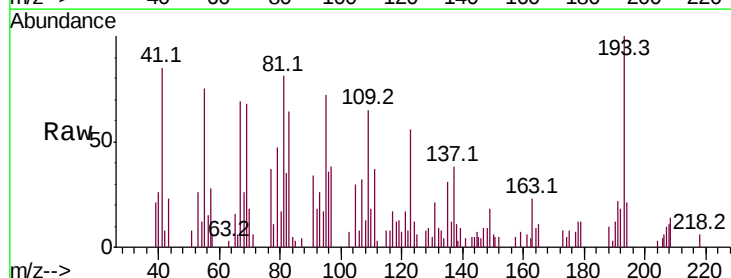
Tgt Ion: 83 Resp: 4484

Ion Ratio Lower Upper

83 100

131 25.4 7.0 20.9#

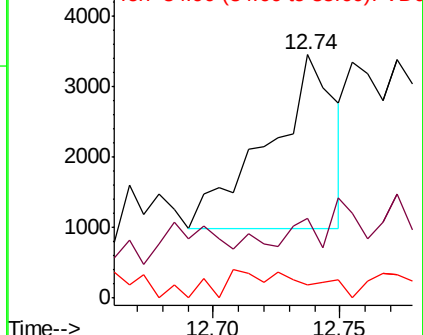
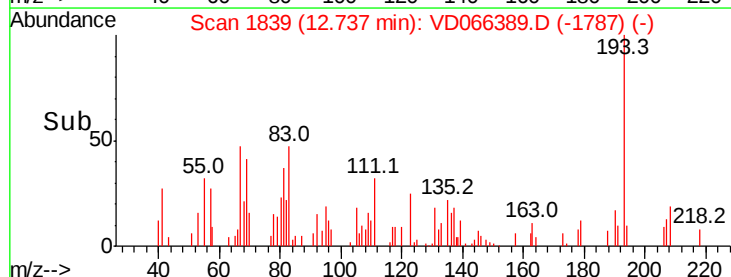
85 0.0 32.4 97.0#

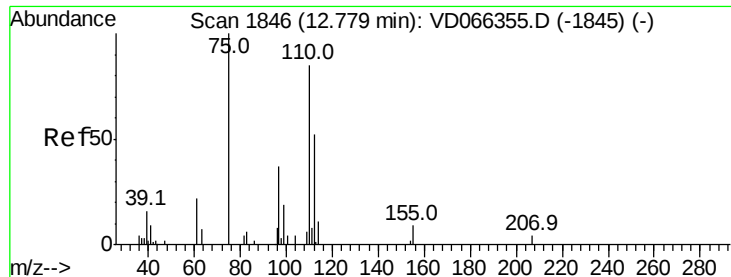


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 75.100 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampled :

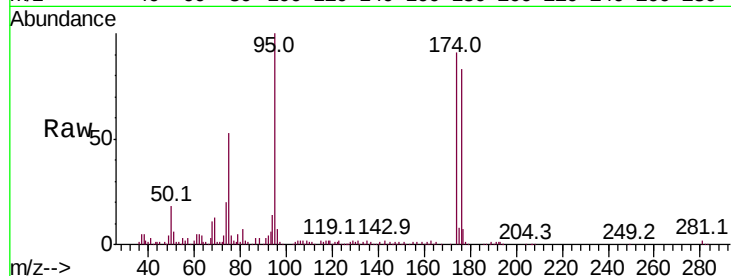
619-047

Tot Ion: 75 Resp: 80826

Ion Ratio Lower Upper

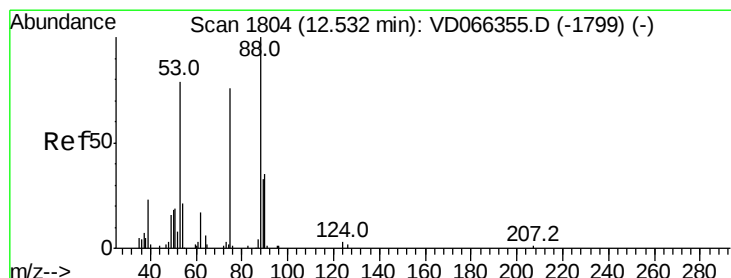
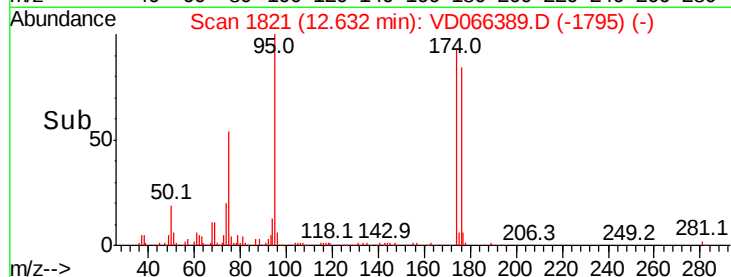
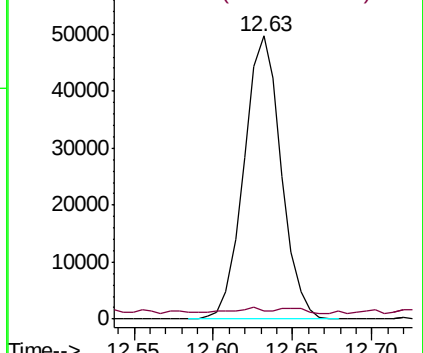
75 100

77 1.4 182.9 548.9#



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: 159.412 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066389.D

Acq: 24 Aug 2020 18:58

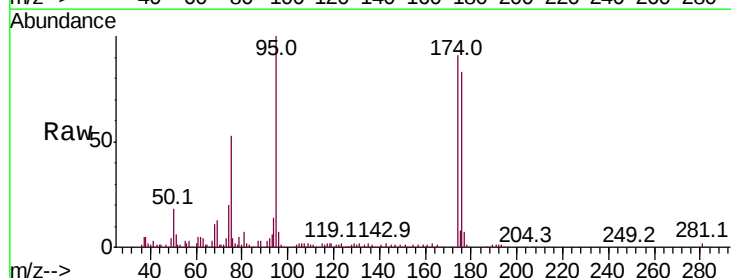
Tgt Ion: 75 Resp: 80826

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.1 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

