

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066688.D
 Acq On : 14 Sep 2020 23:48
 Operator : VA/SY
 Sample : L3998-02
 Misc : 9.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 02:41:51 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	367403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	685506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	662520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288200	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	249274	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
35) Dibromofluoromethane	7.91	113	237462	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	10.34	98	861410	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.63	95	287756	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	

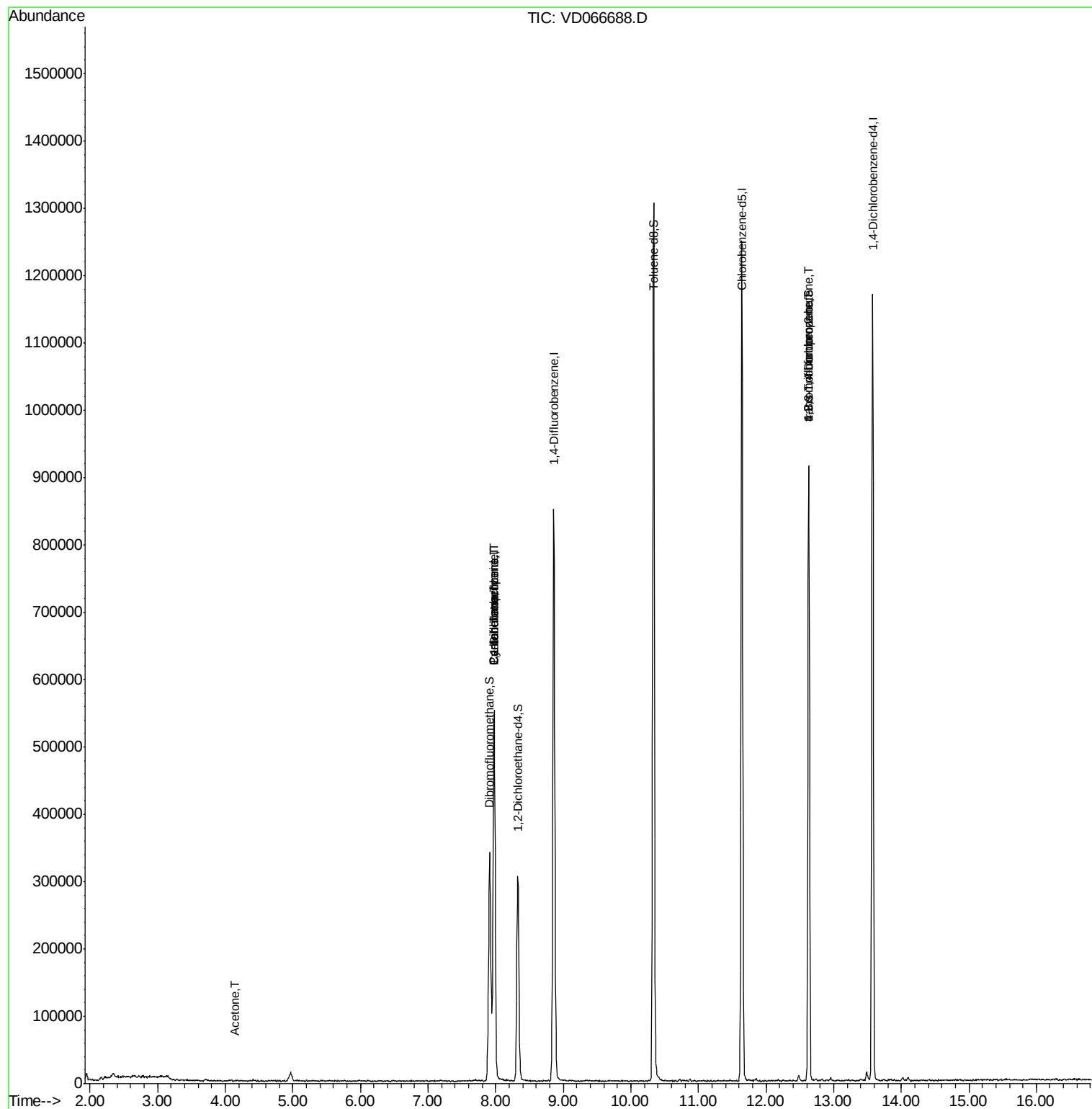
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	327	Below Cal	#	1
5) Bromomethane	2.79	94	707	Below Cal	#	1
16) Acetone	4.15	43	949	1.160	ug/l #	46
20) Methylene Chloride	4.96	84	8672	Below Cal	#	67
31) Cyclohexane	7.97	56	10694	1.475	ug/l #	54
36) 1,1-Dichloropropene	7.97	75	33970	4.762	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42024	5.573	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	164171	59.231	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	164171	138.283	ug/l #	7

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

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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: VD066688.D

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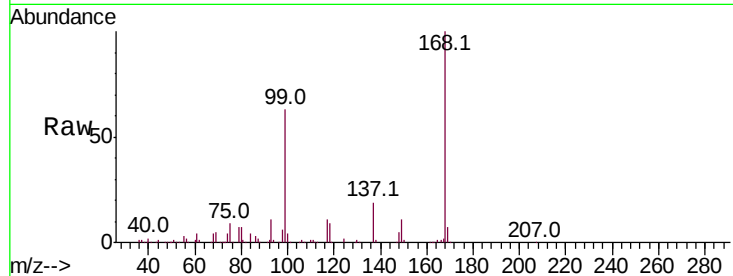
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 367403

Ion Ratio Lower Upper

168 100

99 63.3 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

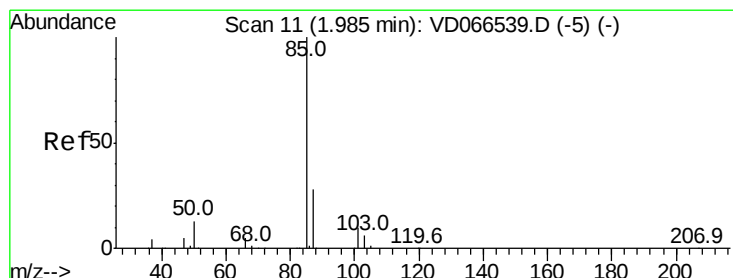
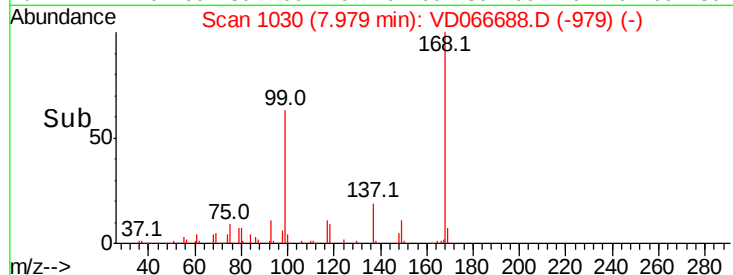
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066688.D

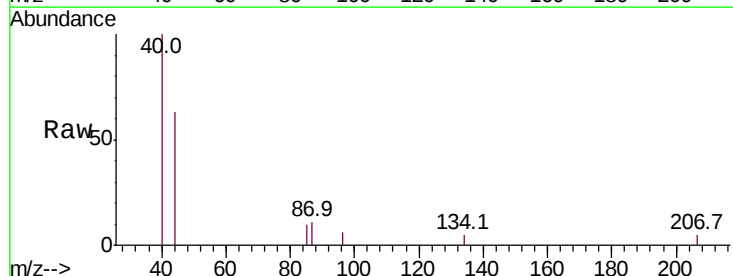
Acq: 14 Sep 2020 23:48

Tgt Ion: 85 Resp: 327

Ion Ratio Lower Upper

85 100

87 110.6 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

400

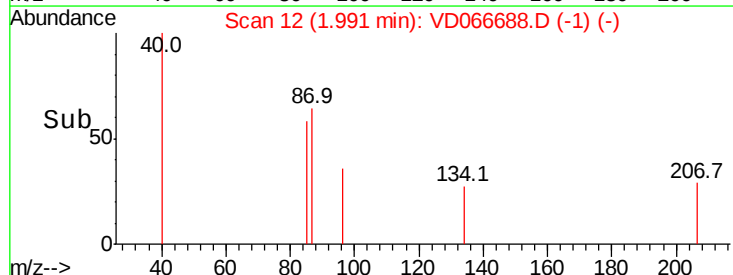
300

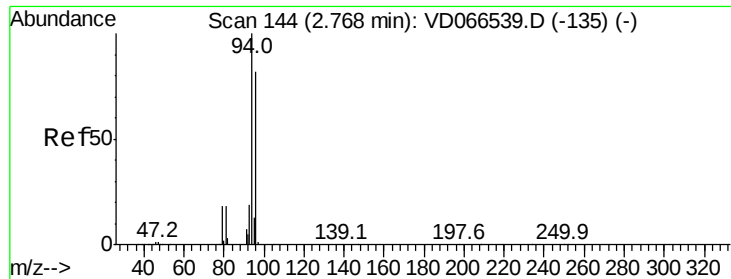
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD066688.D

Acq: 14 Sep 2020 23:48

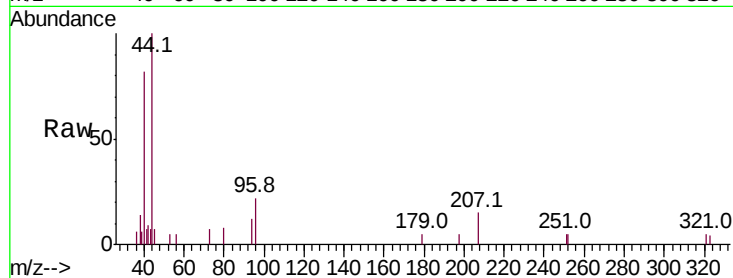
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 707

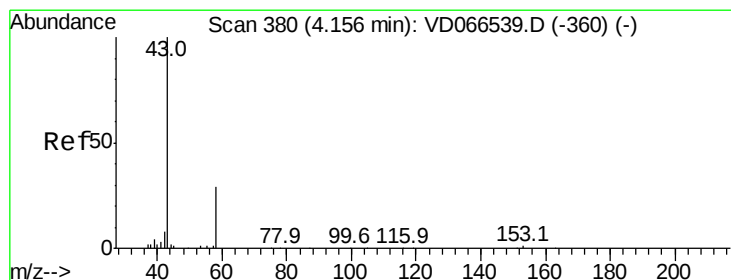
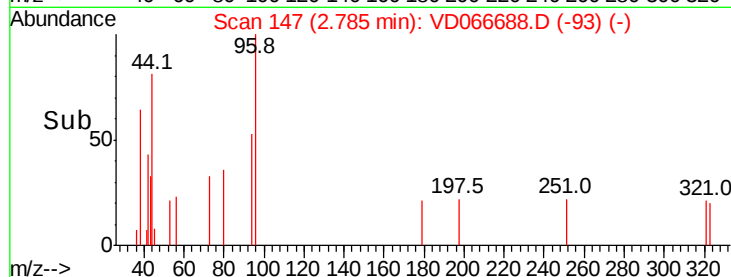
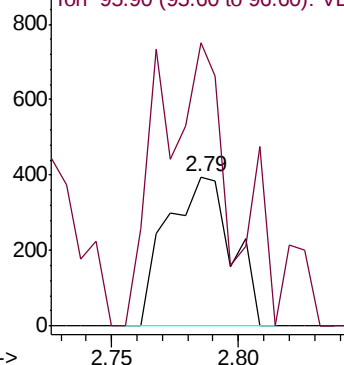
Ion Ratio Lower Upper

94 100

96 189.4 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 1.160 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066688.D

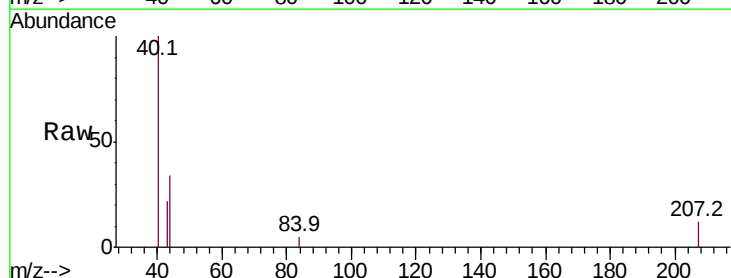
Acq: 14 Sep 2020 23:48

Tgt Ion: 43 Resp: 949

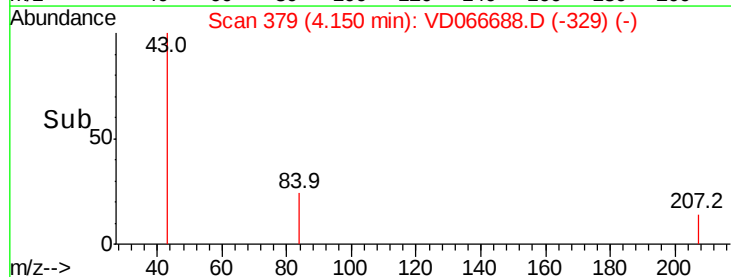
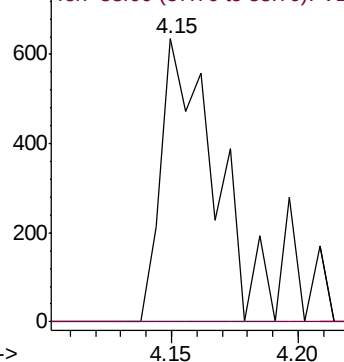
Ion Ratio Lower Upper

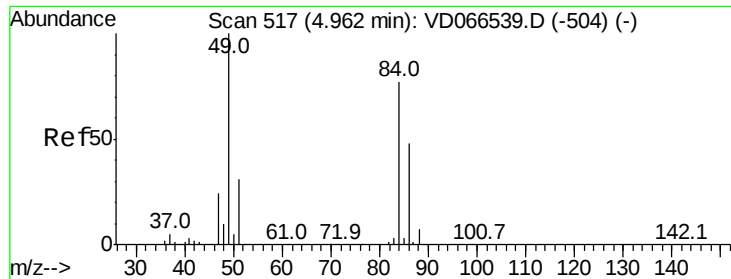
43 100

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

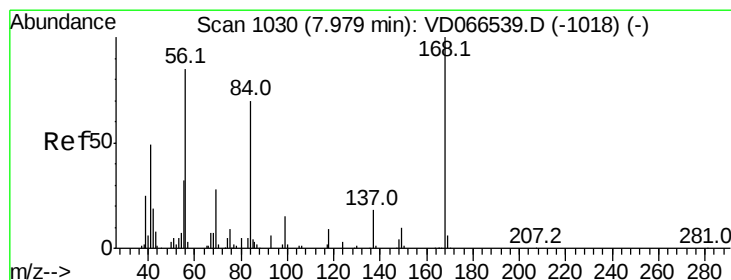
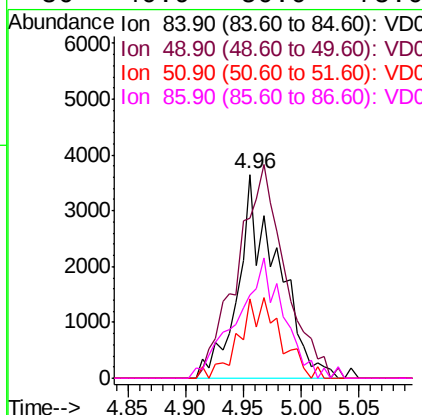
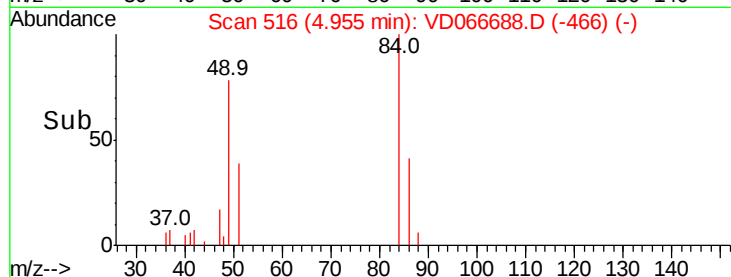
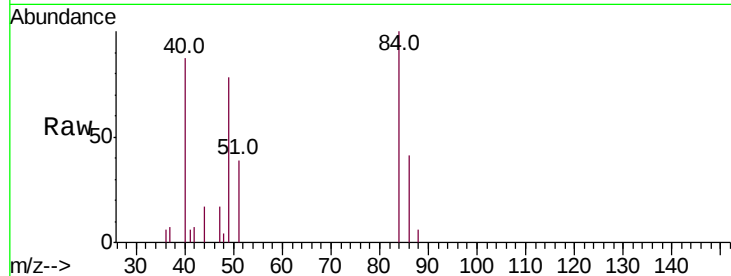




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066688.D
Acq: 14 Sep 2020 23:48

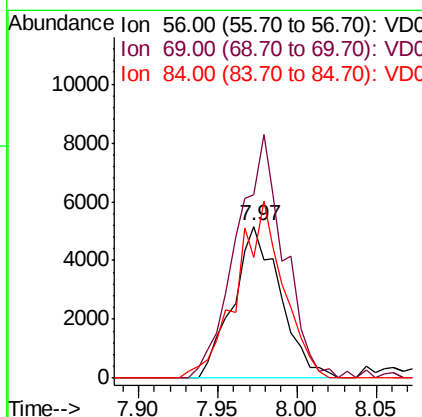
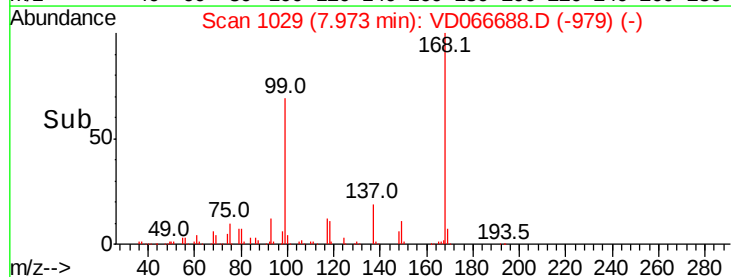
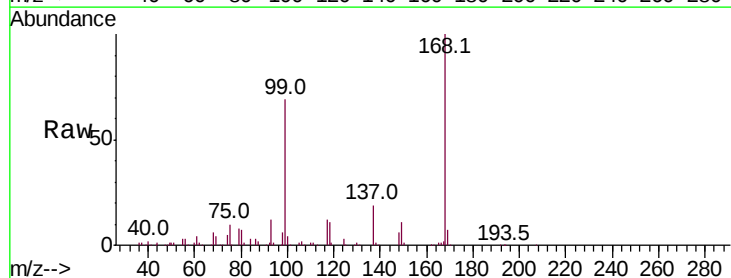
Instrument :
MSVOA_D
ClientSampleId :

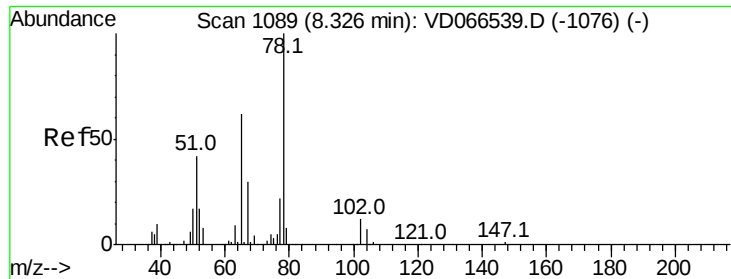
Tot Ion: 84 Resp: 8672
Ion Ratio Lower Upper
84 100
49 78.4 104.3 156.5#
51 39.1 32.2 48.4
86 40.9 50.0 75.0#



#31
Cyclohexane
Concen: 1.475 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066688.D
Acq: 14 Sep 2020 23:48

Tgt Ion: 56 Resp: 10694
Ion Ratio Lower Upper
56 100
69 120.8 26.3 39.5#
84 80.0 66.1 99.1

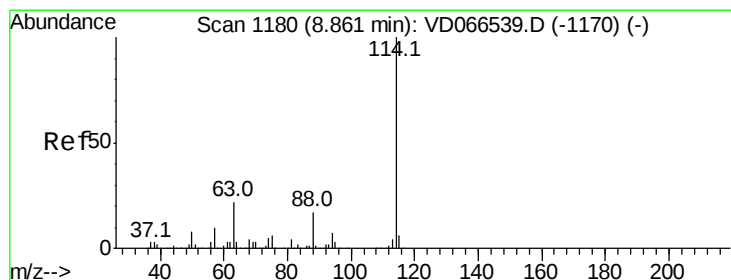
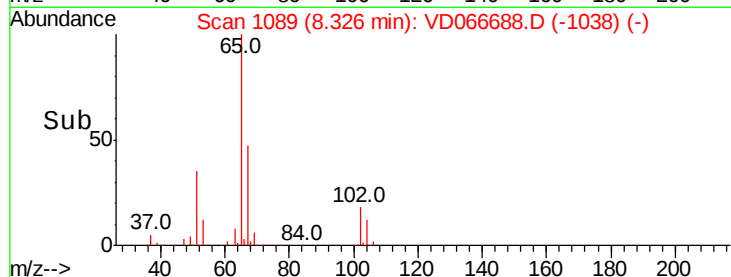
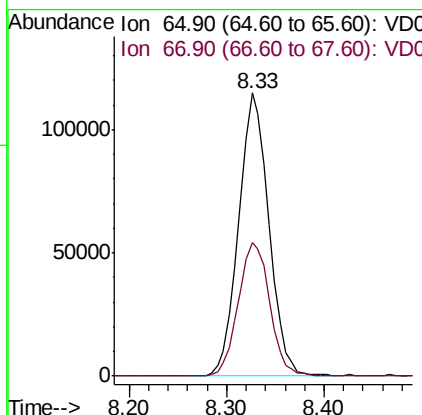
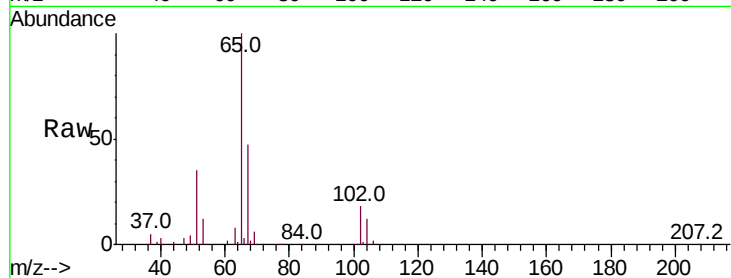




#33
 1,2-Dichloroethane-d4
 Concen: 56.077 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066688.D
 Acq: 14 Sep 2020 23:48

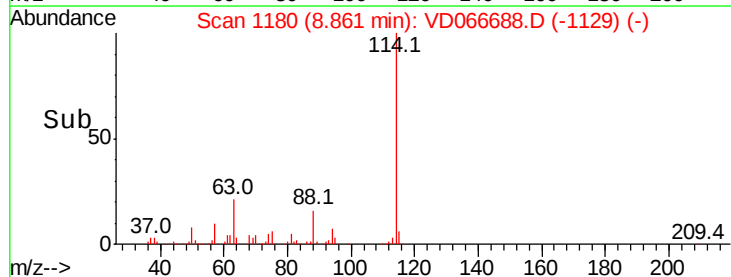
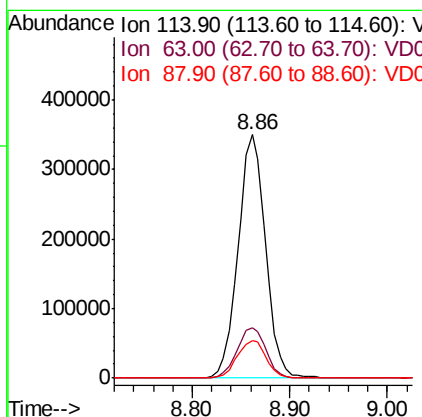
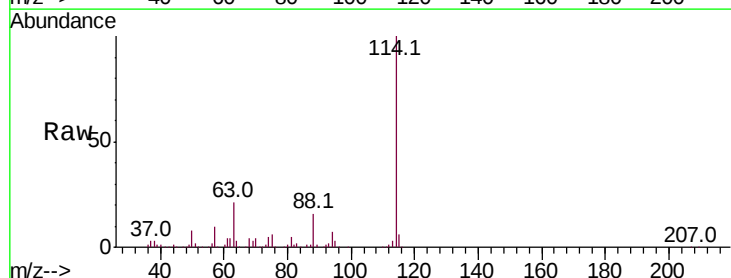
Instrument :
 MSVOA_D
 ClientSampleId :

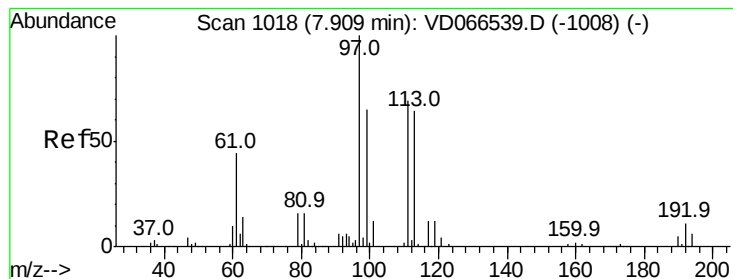
Tot Ion: 65 Resp: 249274
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066688.D
 Acq: 14 Sep 2020 23:48

Tgt Ion: 114 Resp: 685506
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.349 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066688.D

Acq: 14 Sep 2020 23:48

Instrument :

MSVOA_D

ClientSampled :

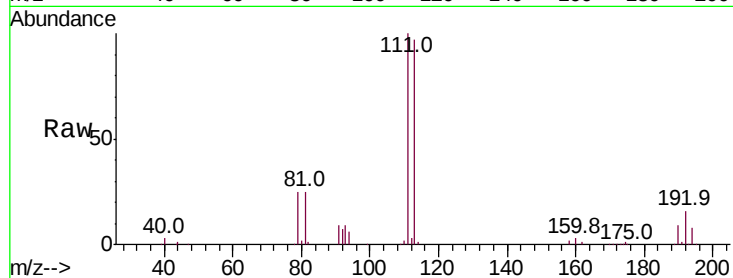
Tot Ion:113 Resp: 237462

Ion Ratio Lower Upper

113 100

111 103.7 83.2 124.8

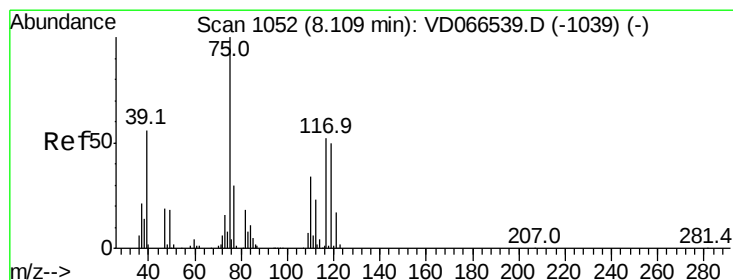
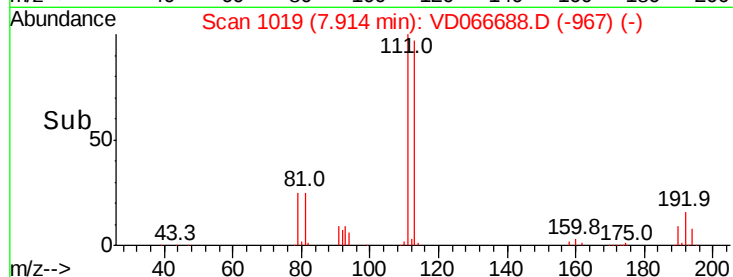
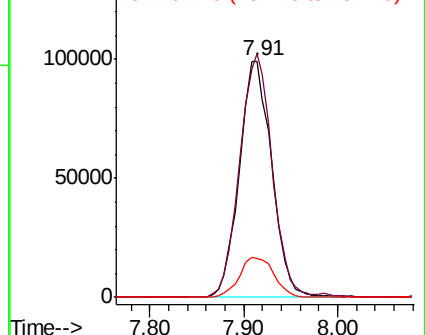
192 18.1 13.7 20.5



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: 4.762 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066688.D

Acq: 14 Sep 2020 23:48

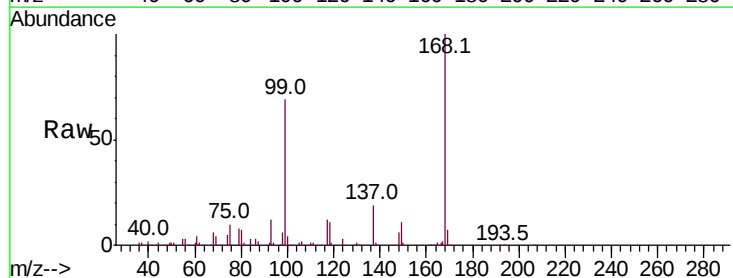
Tgt Ion: 75 Resp: 33970

Ion Ratio Lower Upper

75 100

110 8.1 17.3 52.0#

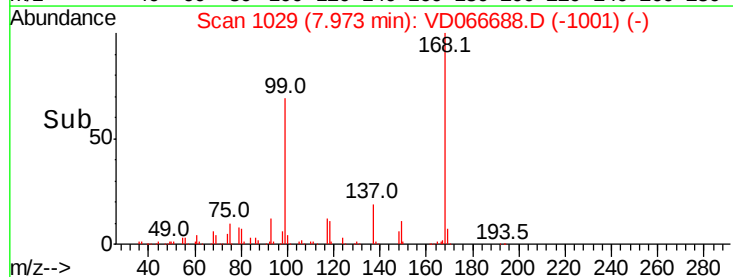
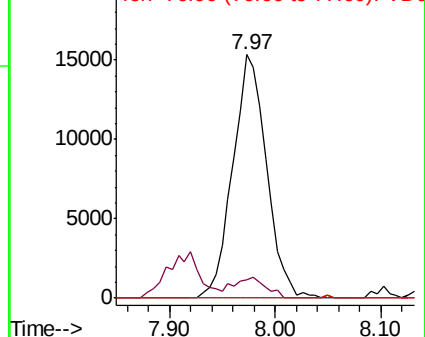
77 0.0 25.1 37.7#

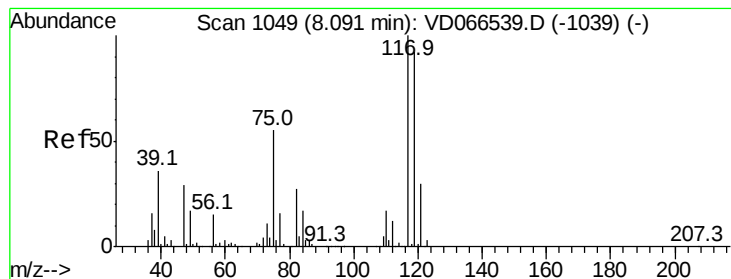


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.573 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066688.D

Acq: 14 Sep 2020 23:48

Instrument :

MSVOA_D

ClientSampleId :

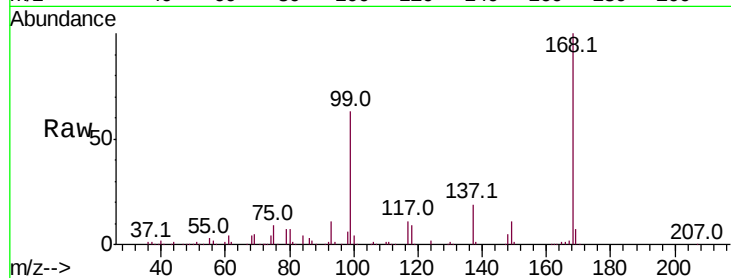
Tot Ion:117 Resp: 42024

Ion Ratio Lower Upper

117 100

119 4.0 73.9 110.9#

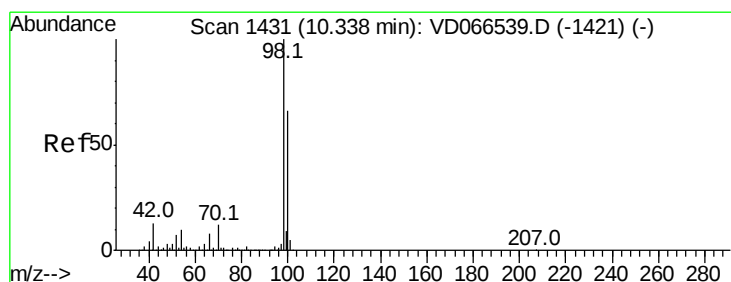
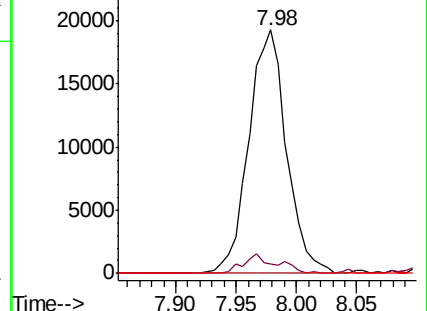
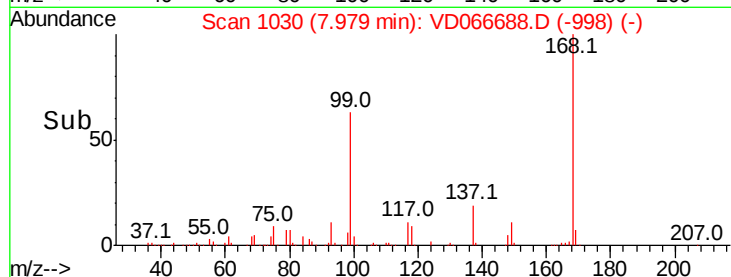
121 0.0 24.1 36.1#



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: 52.116 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066688.D

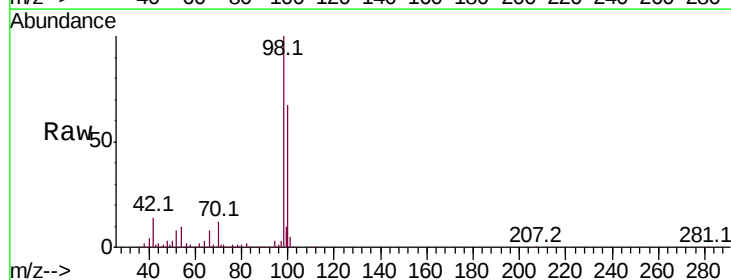
Acq: 14 Sep 2020 23:48

Tgt Ion: 98 Resp: 861410

Ion Ratio Lower Upper

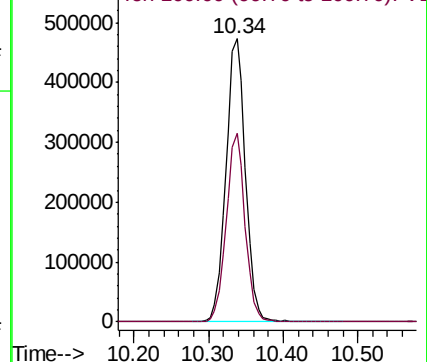
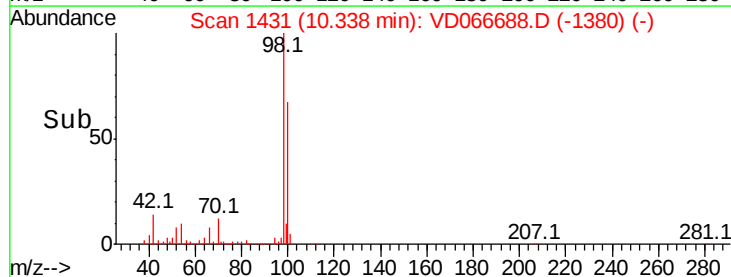
98 100

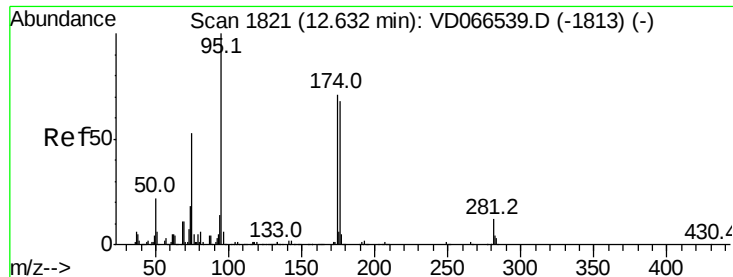
100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.504 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066688.D

Acq: 14 Sep 2020 23:48

Instrument :

MSVOA_D

ClientSampleId :

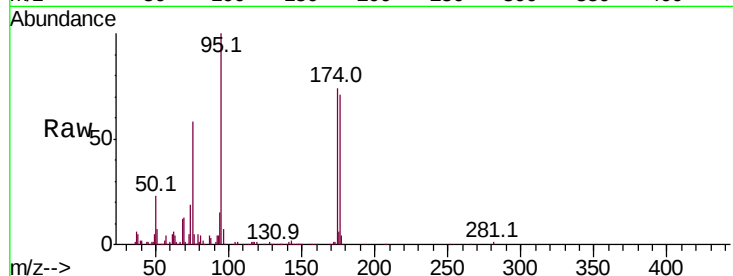
Tot Ion: 95 Resp: 287756

Ion Ratio Lower Upper

95 100

174 75.1 0.0 155.8

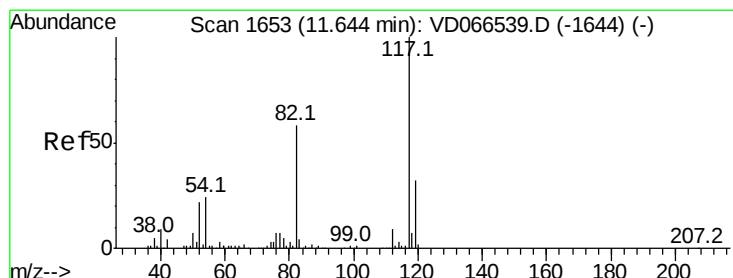
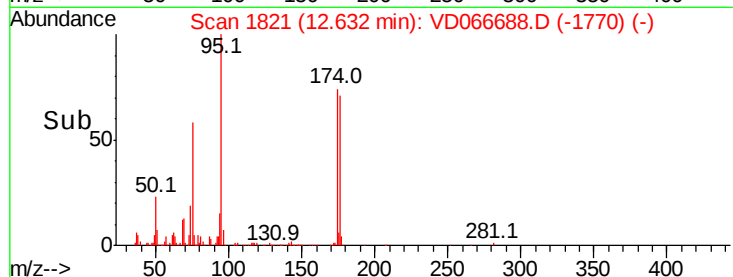
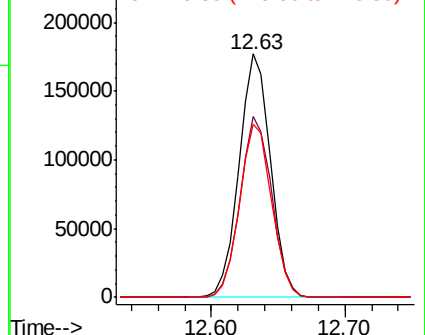
176 72.6 0.0 148.6



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: VD066688.D

Acq: 14 Sep 2020 23:48

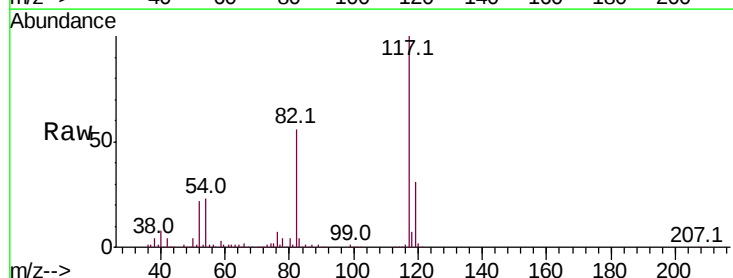
Tgt Ion: 117 Resp: 662520

Ion Ratio Lower Upper

117 100

82 56.0 46.2 69.2

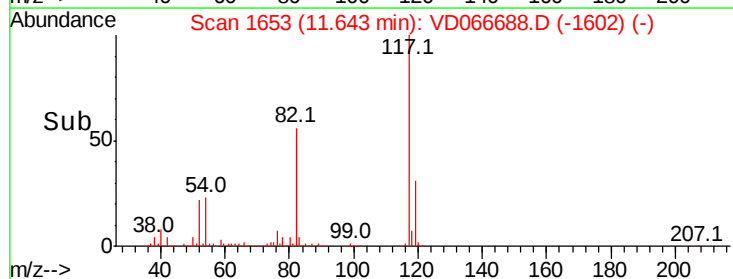
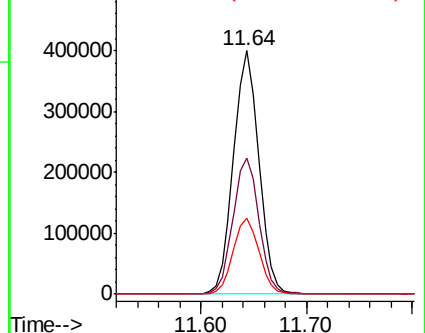
119 31.2 25.8 38.8

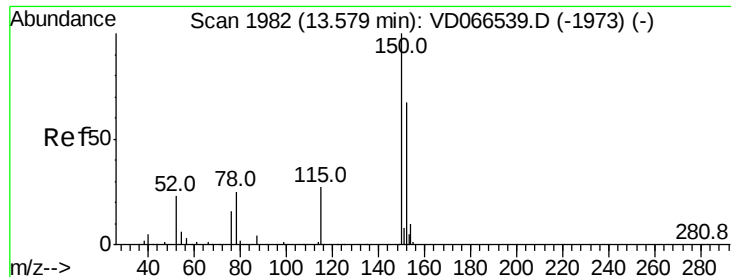


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066688.D

Acq: 14 Sep 2020 23:48

Instrument :

MSVOA_D

ClientSampleId :

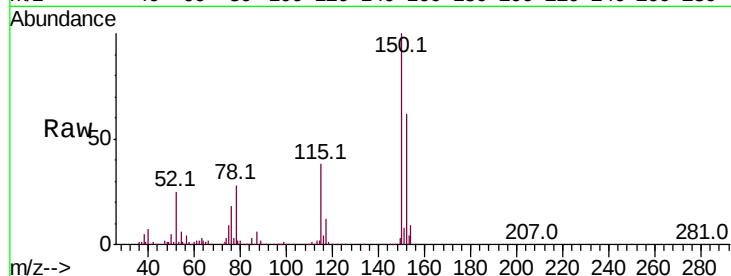
Tot Ion:152 Resp: 288200

Ion Ratio Lower Upper

152 100

115 61.8 30.4 91.2

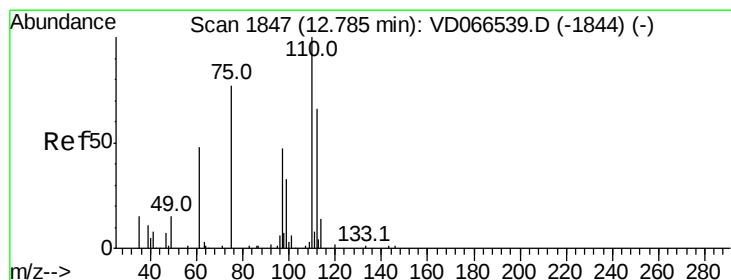
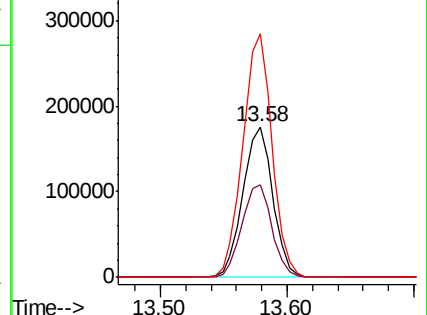
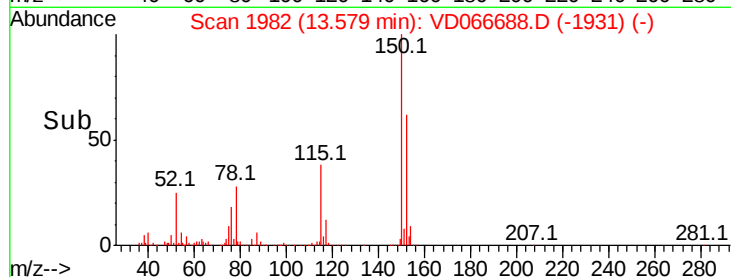
150 157.5 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 59.231 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066688.D

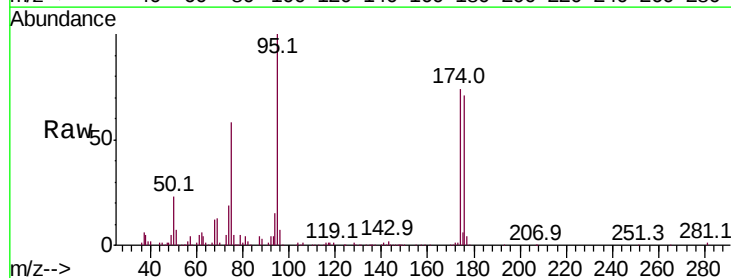
Acq: 14 Sep 2020 23:48

Tgt Ion: 75 Resp: 164171

Ion Ratio Lower Upper

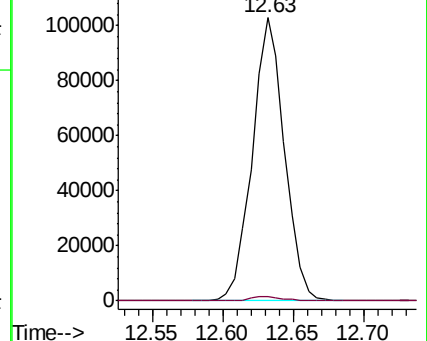
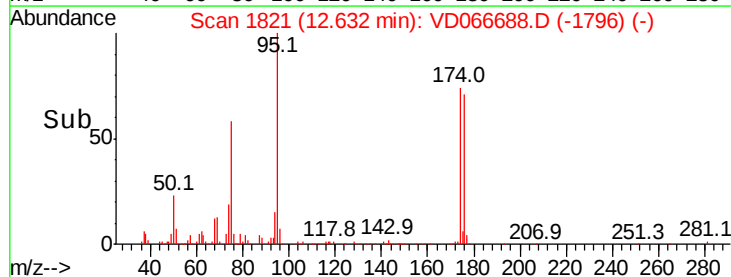
75 100

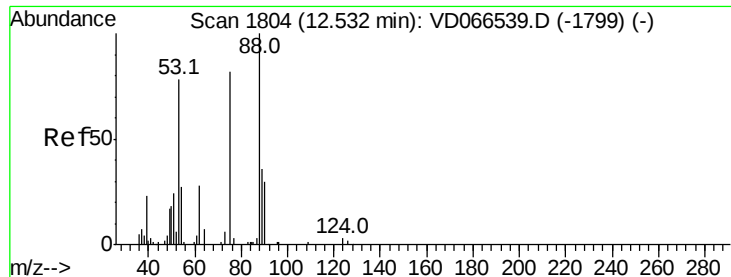
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 138.283 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066688.D

Acq: 14 Sep 2020 23:48

Instrument :

MSVOA_D

ClientSampleId :

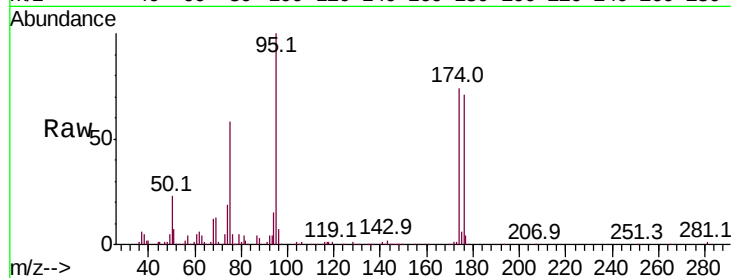
Tot Ion: 75 Resp: 164171

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#



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

