

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064794.D
 Acq On : 07 Jan 2020 15:48
 Operator : VA/SY
 Sample : L1049-04
 Misc : 5.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:37:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	443705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	691791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	600157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253827	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	201129	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	131344	30.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.90%	
50) Toluene-d8	10.34	98	826988	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.64	95	242040	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

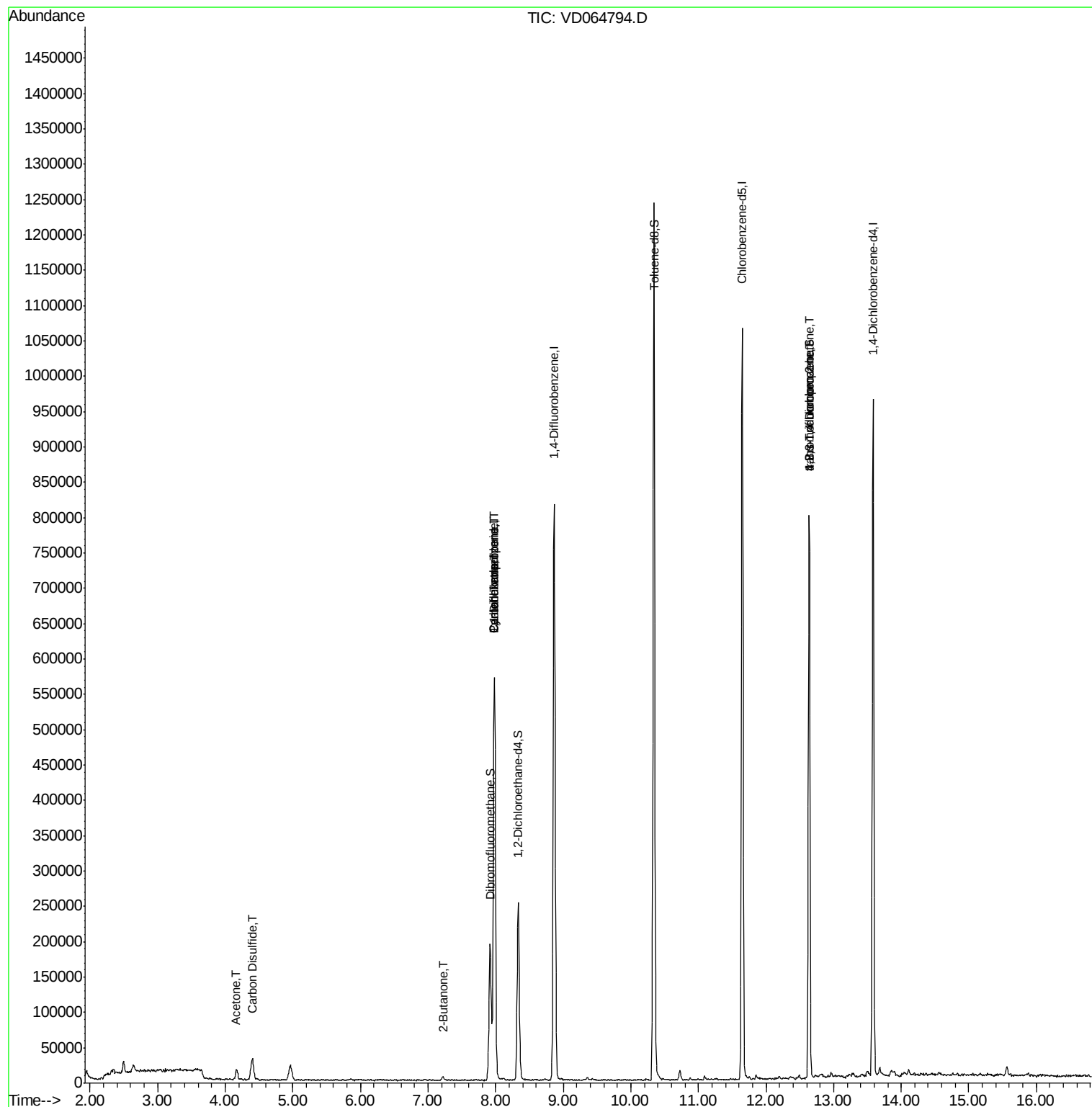
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	24674	30.780	ug/l #	88
17) Carbon Disulfide	4.40	76	66221	5.246	ug/l #	92
20) Methylene Chloride	4.96	84	15410	Below Cal		90
25) 2-Butanone	7.23	43	4448	4.136	ug/l	95
31) Cyclohexane	7.98	56	9521	1.305	ug/l #	40
36) 1,1-Dichloropropene	7.99	75	33157	4.980	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41406	5.832	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	128125	63.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	128125	133.692	ug/l #	10

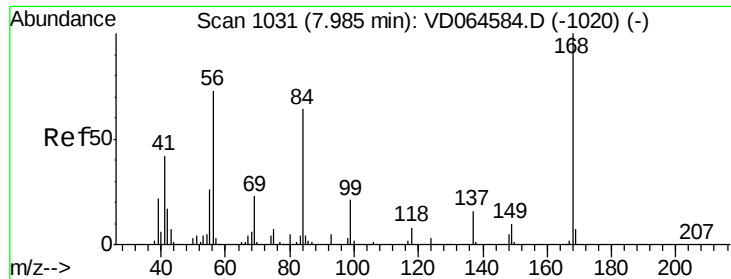
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

Instrument :

MSVOA_D

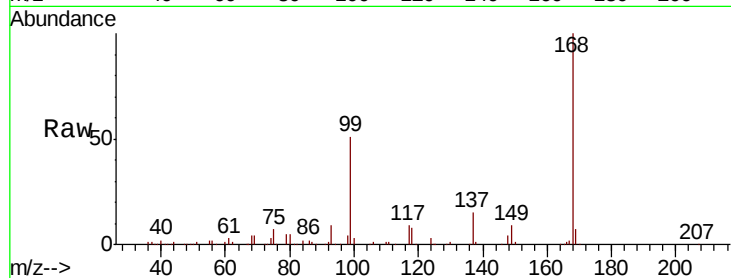
ClientSampleId :

Tot Ion:168 Resp: 443705

Ion Ratio Lower Upper

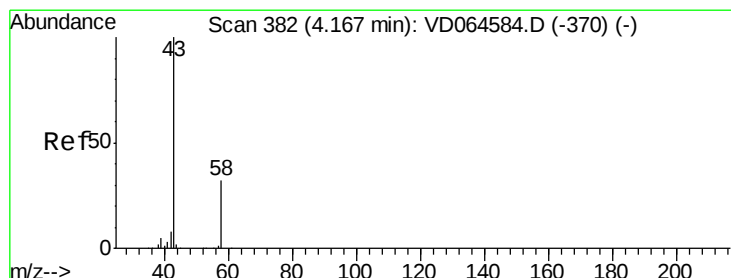
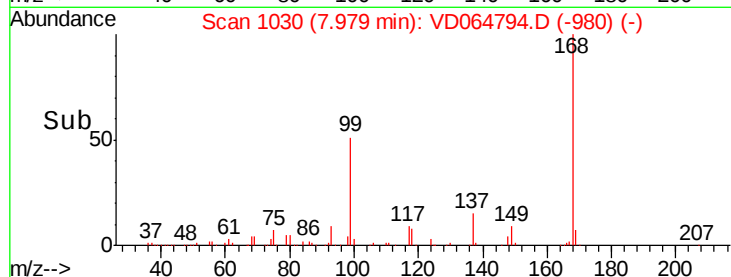
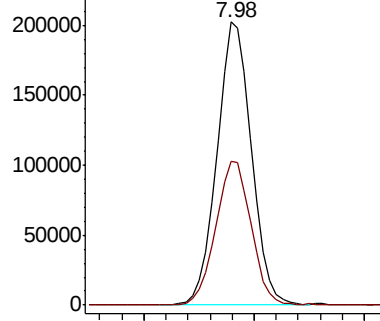
168 100

99 50.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 30.780 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064794.D

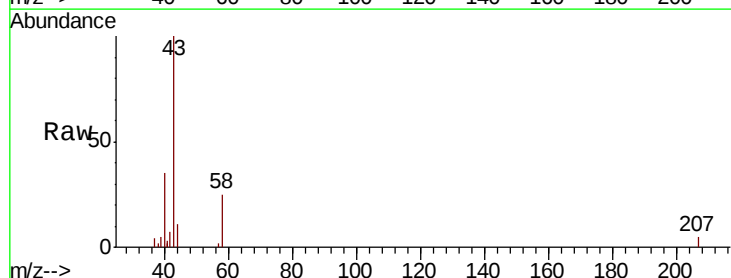
Acq: 07 Jan 2020 15:48

Tgt Ion: 43 Resp: 24674

Ion Ratio Lower Upper

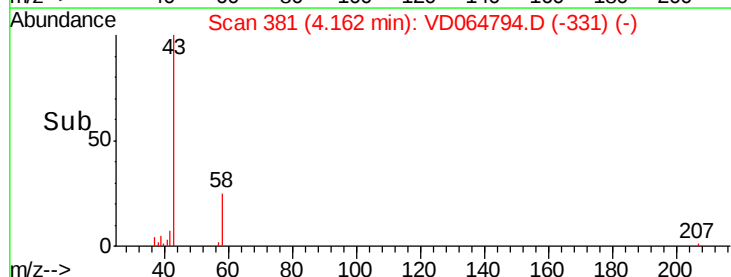
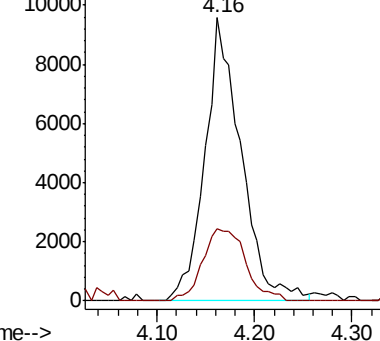
43 100

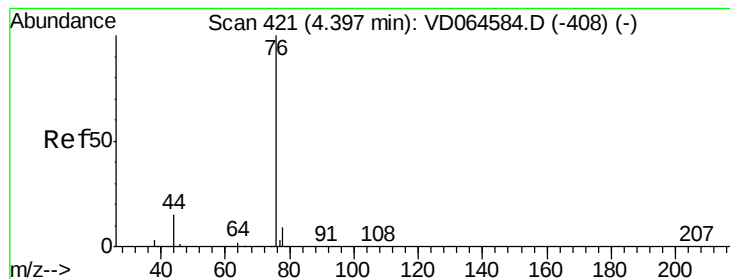
58 25.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 5.246 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

Instrument :

MSVOA_D

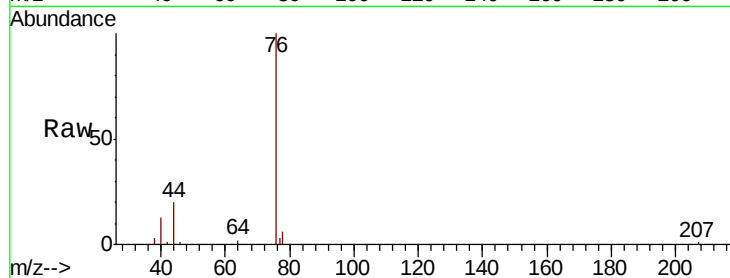
ClientSampled :

Tot Ion: 76 Resp: 66221

Ion Ratio Lower Upper

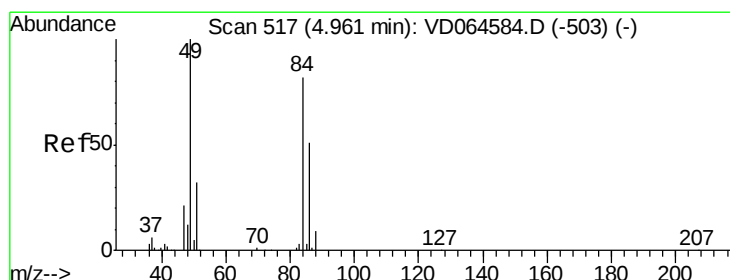
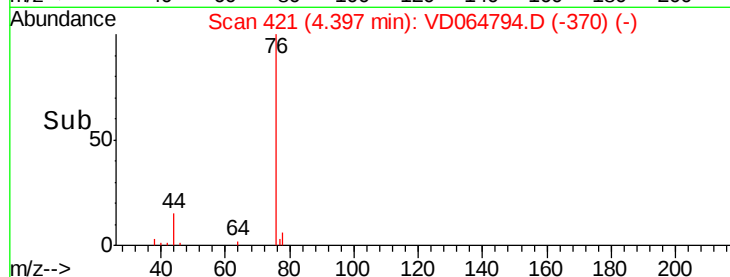
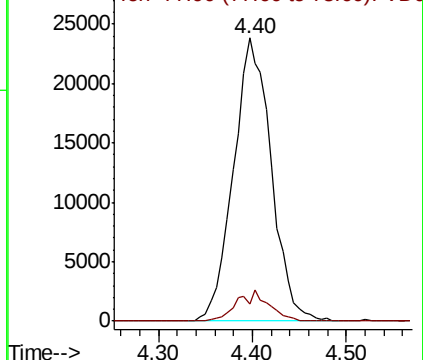
76 100

78 6.1 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

Tgt Ion: 84 Resp: 15410

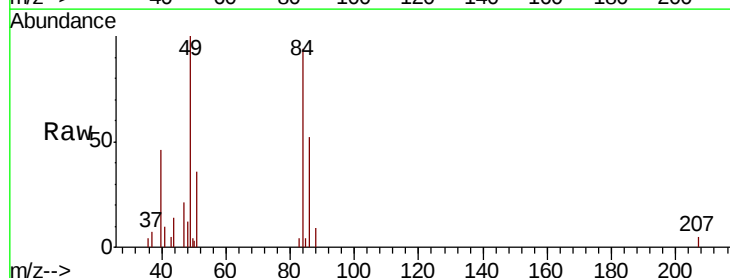
Ion Ratio Lower Upper

84 100

49 106.7 97.2 145.8

51 38.0 31.4 47.0

86 55.6 49.3 73.9

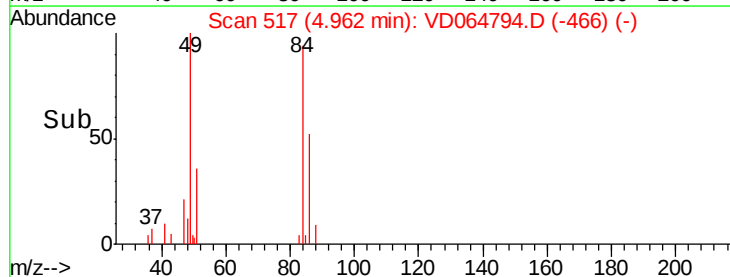
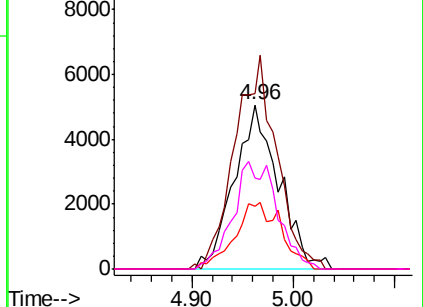


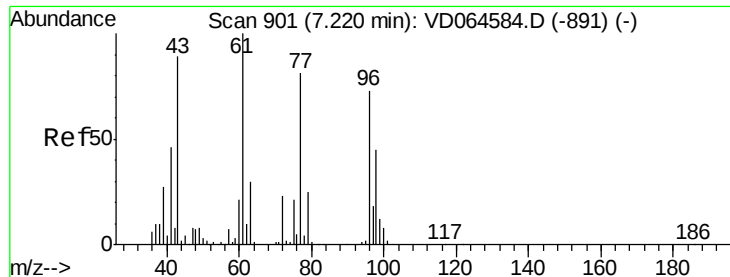
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 4.136 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

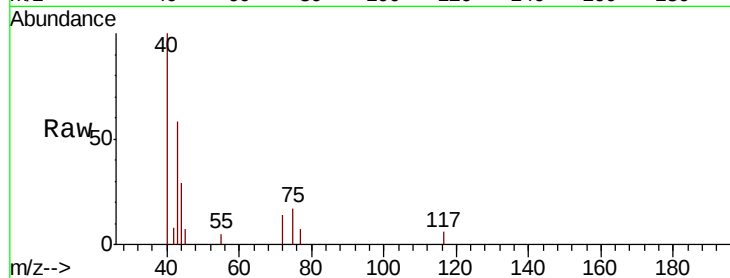
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4448

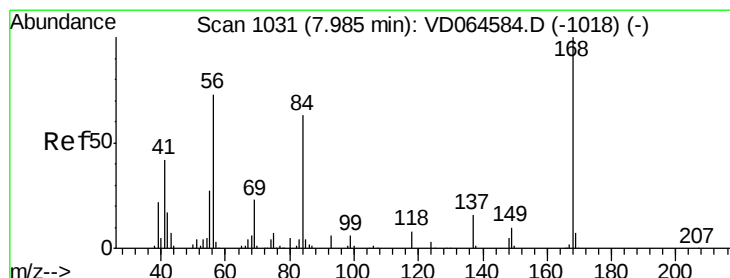
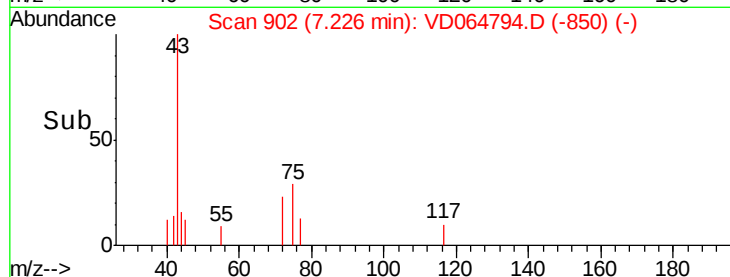
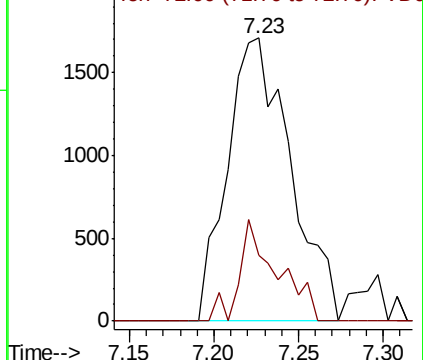
Ion Ratio Lower Upper

43 100

72 23.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

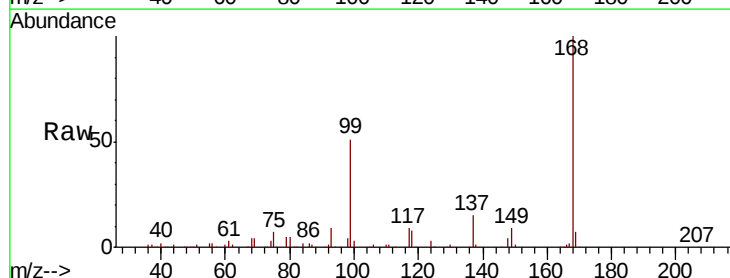
Tgt Ion: 56 Resp: 9521

Ion Ratio Lower Upper

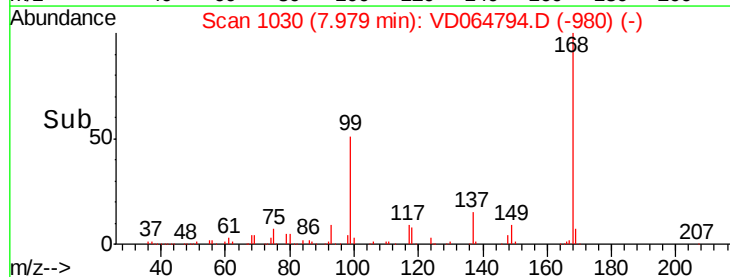
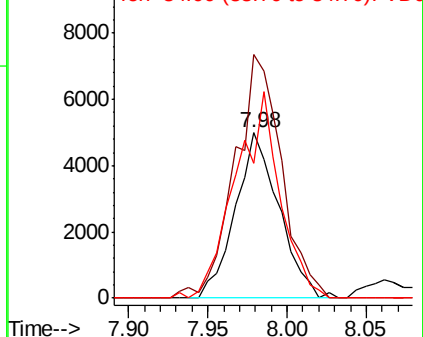
56 100

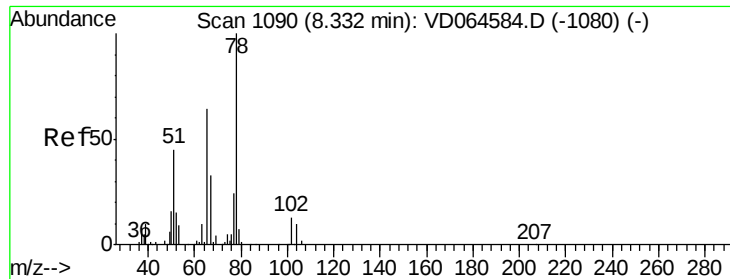
69 147.5 24.7 37.1#

84 82.0 69.4 104.2



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

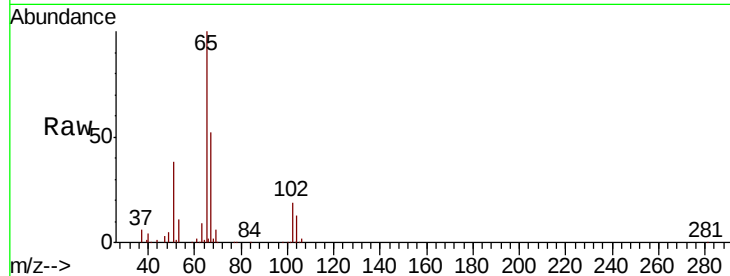




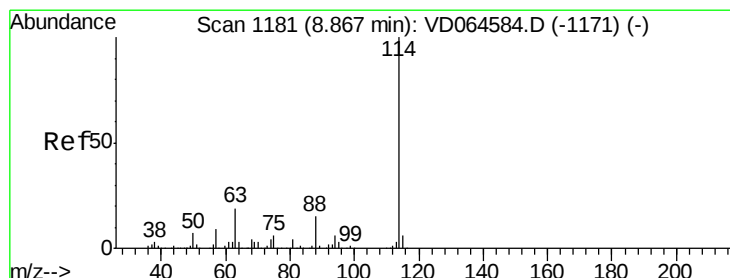
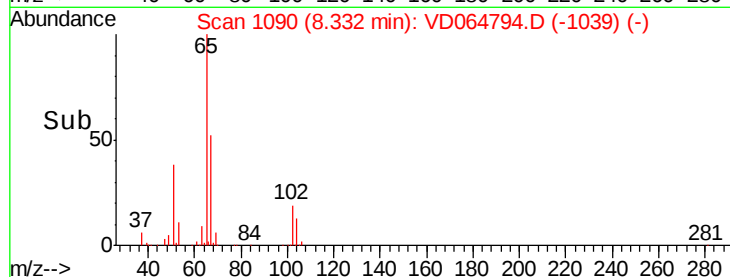
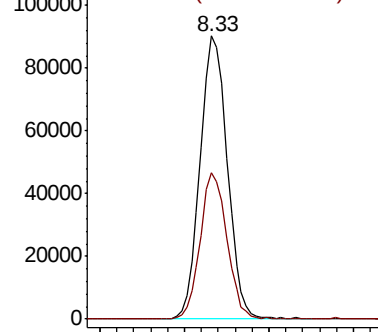
#33
 1,2-Dichloroethane-d4
 Concen: 51.406 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064794.D
 Acq: 07 Jan 2020 15:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 201129
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.2

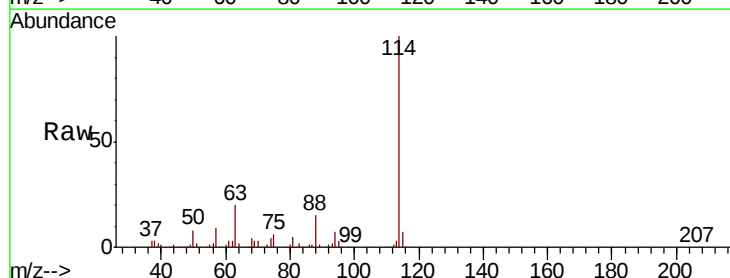


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

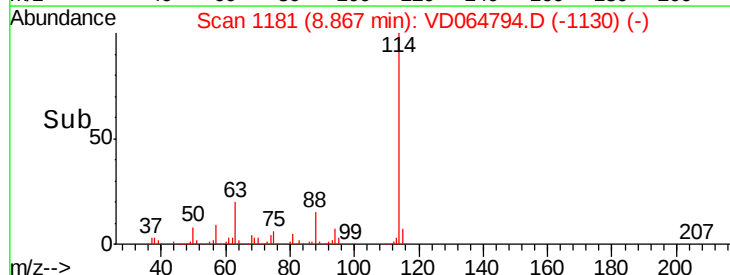
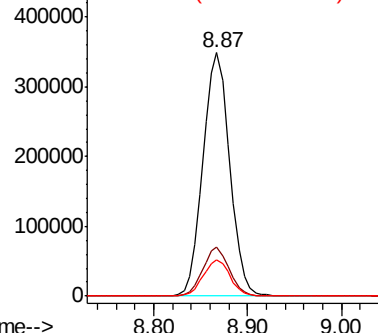


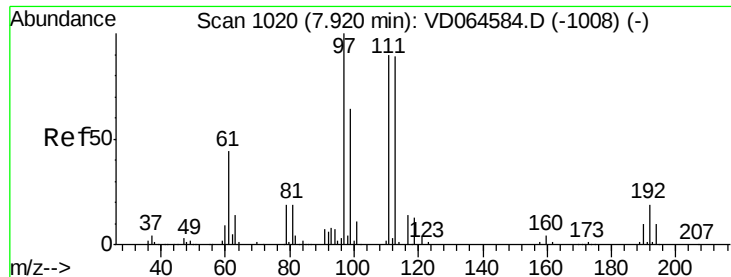
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064794.D
 Acq: 07 Jan 2020 15:48

Tgt Ion: 114 Resp: 691791
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 15.0 0.0 29.2



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

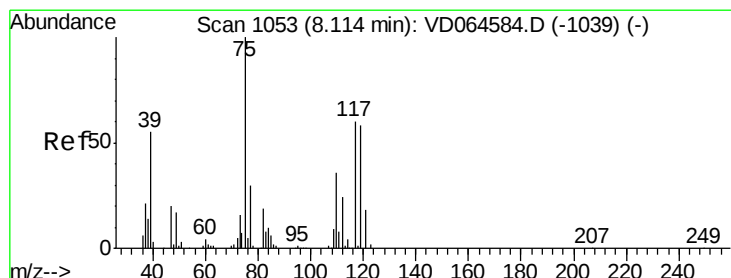
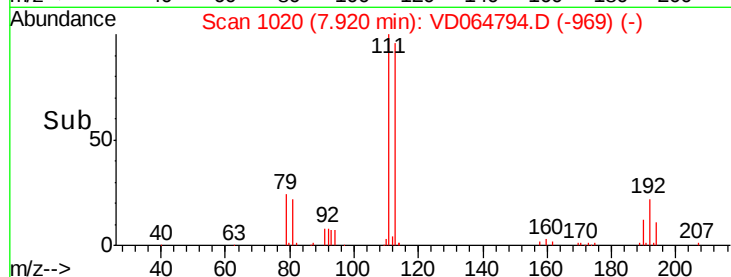
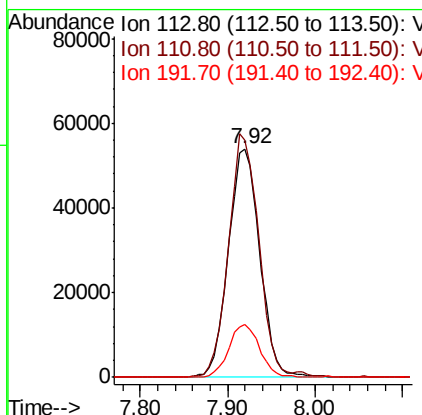
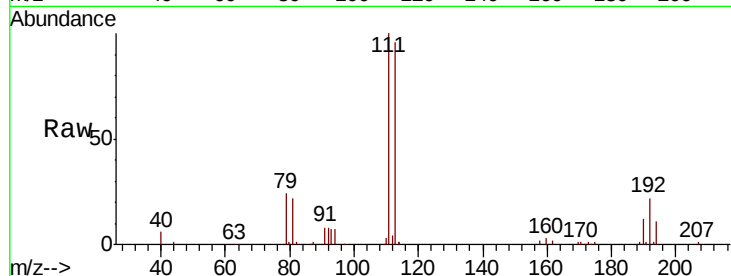




#35
 Dibromofluoromethane
 Concen: 30.946 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064794.D
 Acq: 07 Jan 2020 15:48

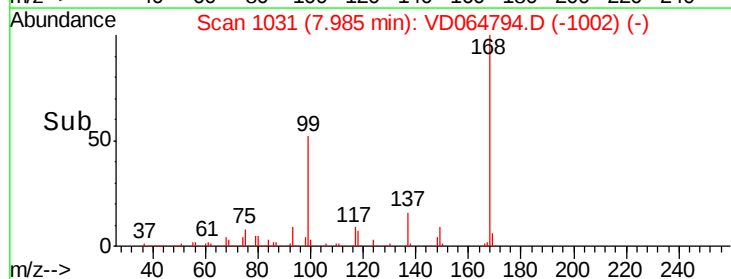
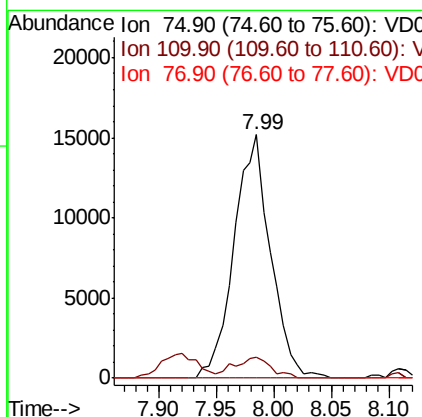
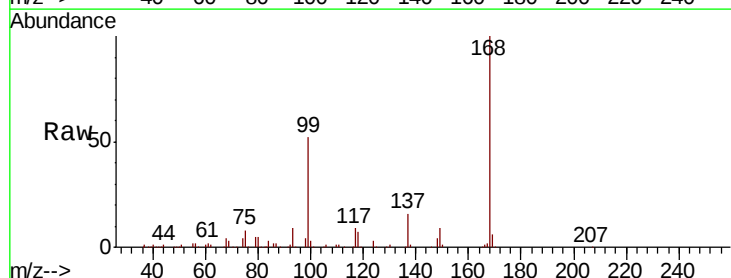
Instrument :
 MSVOA_D
 ClientSampleId :

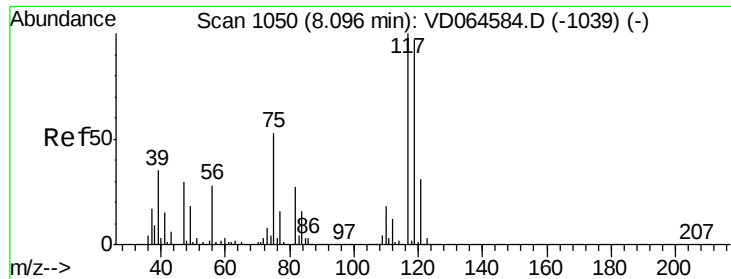
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.6	121.0
192	22.5	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.980 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064794.D
 Acq: 07 Jan 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.1#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.832 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

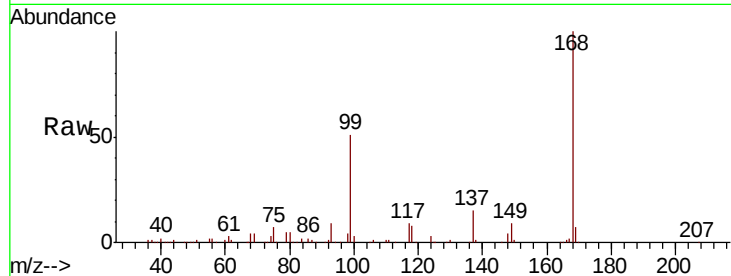
Tot Ion:117 Resp: 41406

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

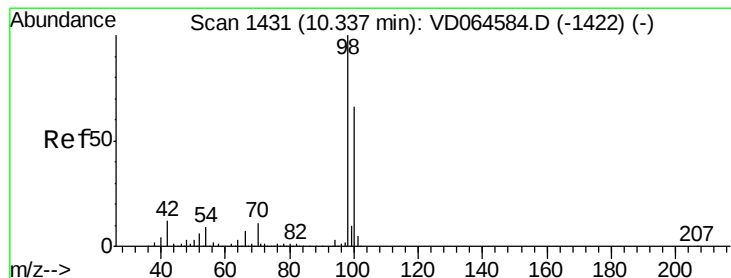
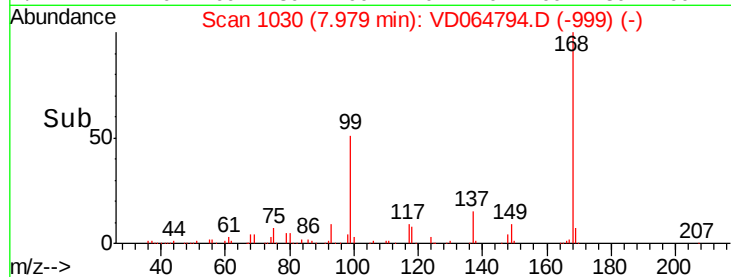
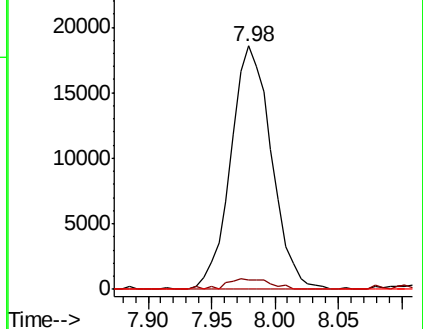
121 0.0 25.0 37.6#



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: 50.876 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064794.D

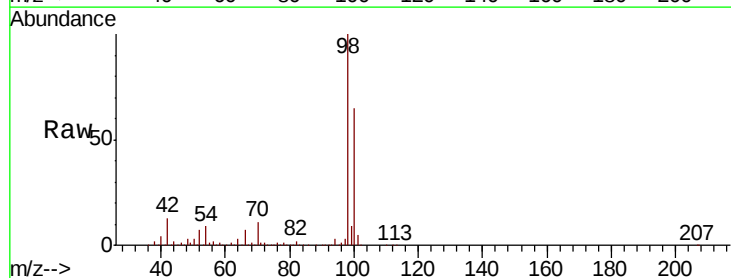
Acq: 07 Jan 2020 15:48

Tgt Ion: 98 Resp: 826988

Ion Ratio Lower Upper

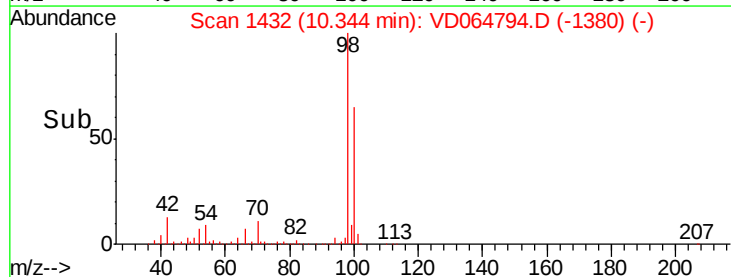
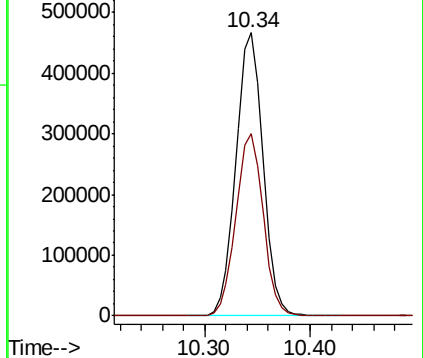
98 100

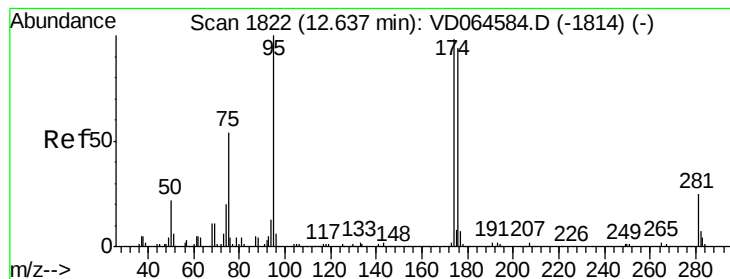
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.089 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

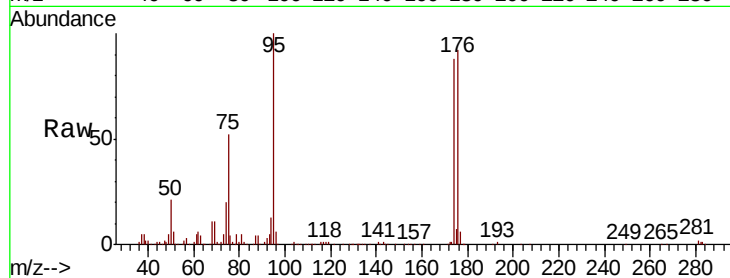
Tot Ion: 95 Resp: 242040

Ion Ratio Lower Upper

95 100

174 91.4 0.0 193.2

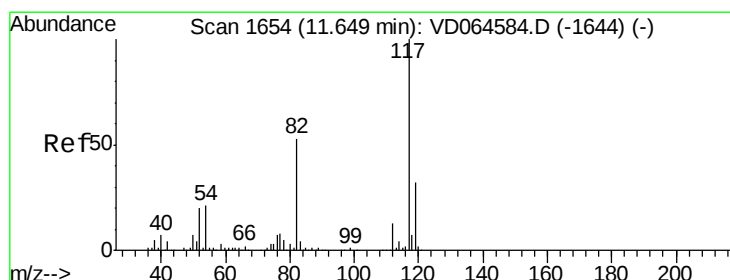
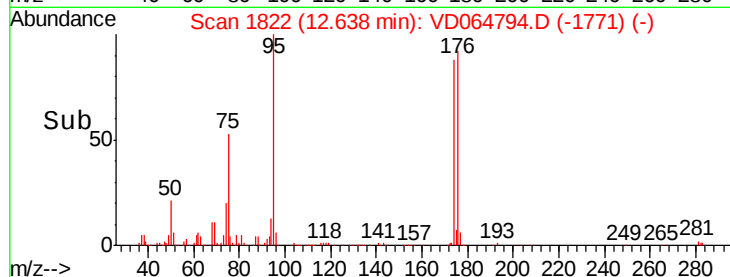
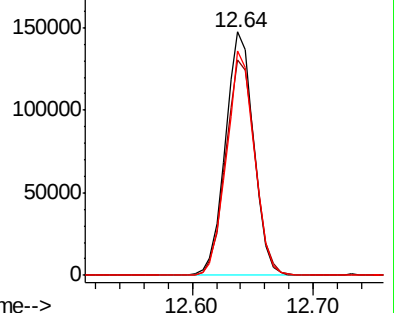
176 90.3 0.0 184.2



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: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

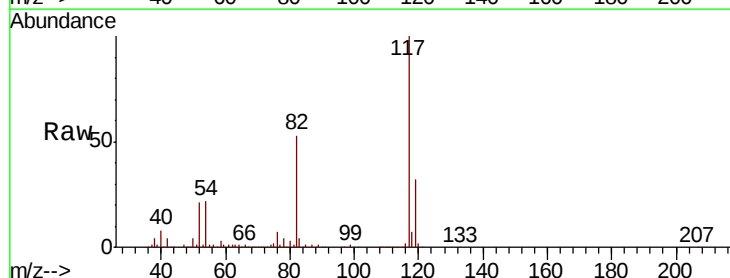
Tgt Ion: 117 Resp: 600157

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.4

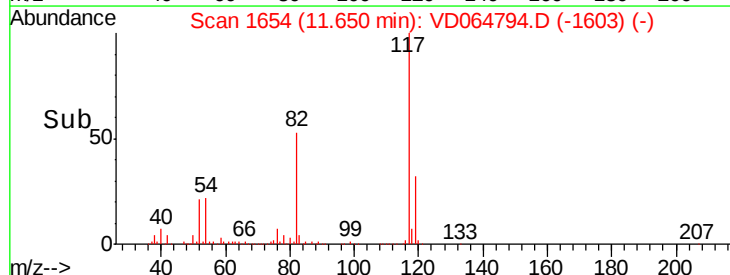
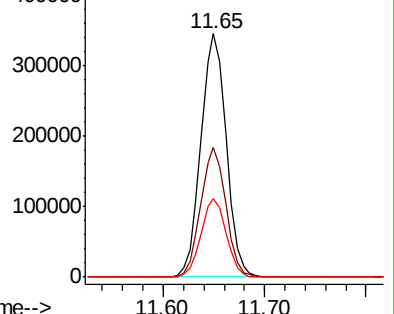
119 32.3 26.0 39.0

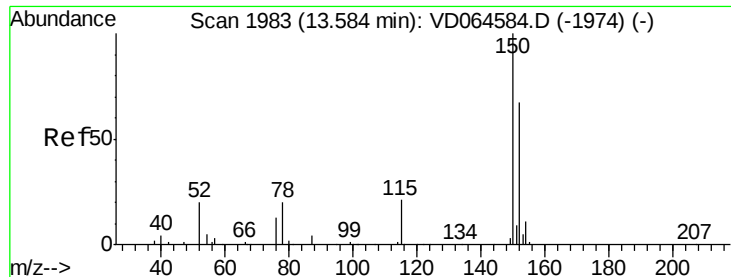


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.00 min

Lab File: VD064794.D

Acq: 07 Jan 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

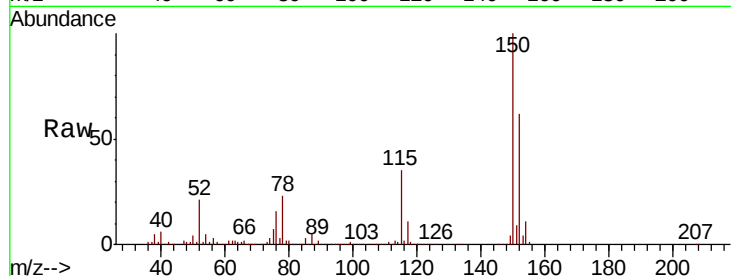
Tot Ion:152 Resp: 253827

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

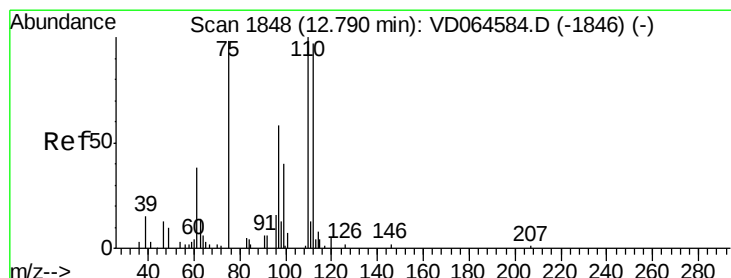
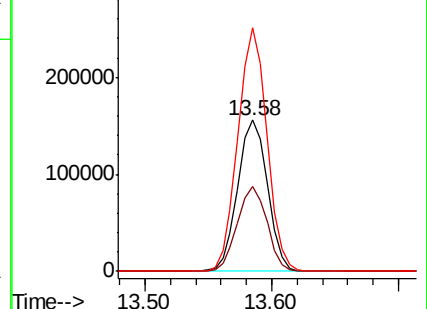
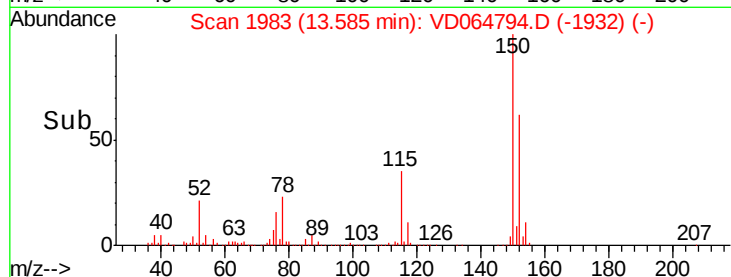
150 156.3 0.0 351.4



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: 63.923 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064794.D

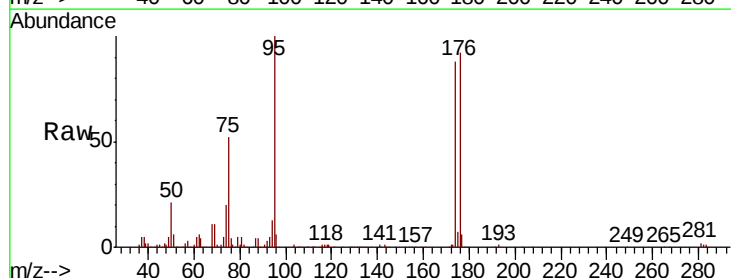
Acq: 07 Jan 2020 15:48

Tgt Ion: 75 Resp: 128125

Ion Ratio Lower Upper

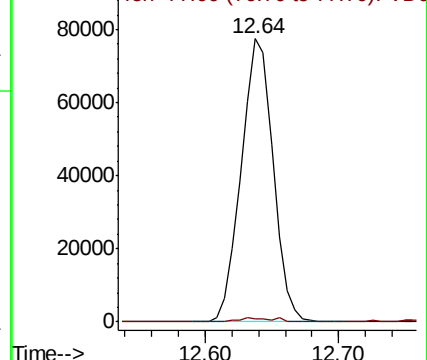
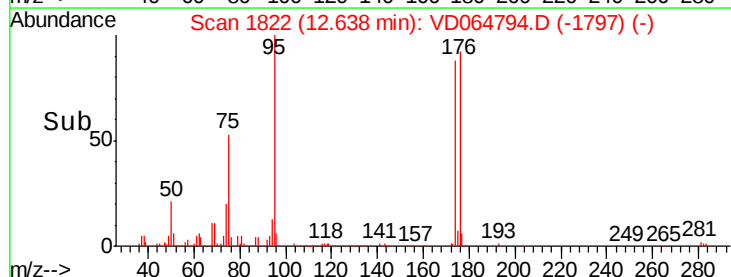
75 100

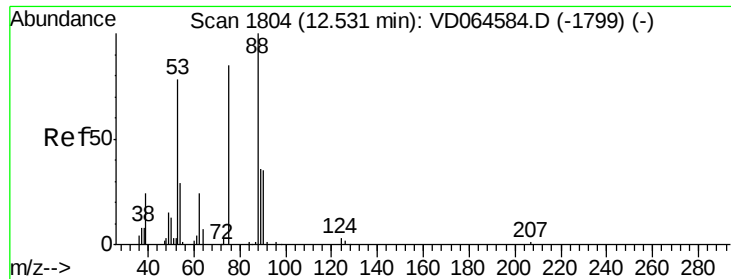
77 1.8 0.0 0.0#



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: 133.692 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064794.D
Acq: 07 Jan 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 128125
Ion Ratio Lower Upper
75 100
53 0.2 78.8 118.2#
89 0.2 38.3 57.5#

