

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064795.D
 Acq On : 07 Jan 2020 16:16
 Operator : VA/SY
 Sample : L1049-10
 Misc : 4.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:38:06 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	471736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	713453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	569705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196710	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	183746	44.17	ug/l	0.00
Spiked Amount			Recovery	=	88.34%	
35) Dibromofluoromethane	7.92	113	212205	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.34	98	839853	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.64	95	207511	39.15	ug/l	0.00
Spiked Amount			Recovery	=	78.30%	

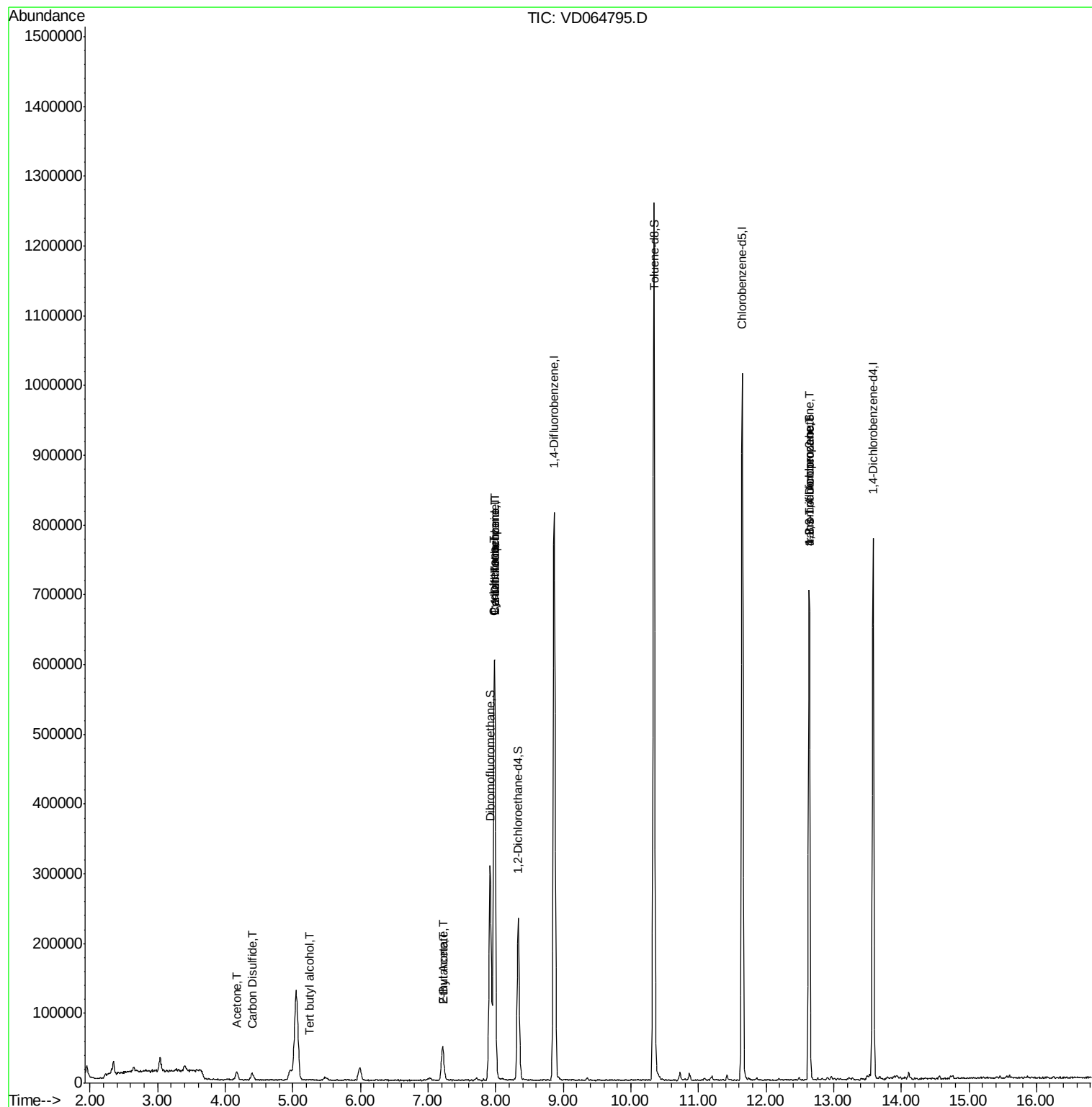
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	591	2.479	ug/l #	70
16) Acetone	4.17	43	19428	23.823	ug/l	95
17) Carbon Disulfide	4.40	76	20229	1.507	ug/l	97
20) Methylene Chloride	4.95	84	5282	Below Cal		87
25) 2-Butanone	7.23	43	5683	4.970	ug/l	96
31) Cyclohexane	7.97	56	11445	1.476	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	33127	4.824	ug/l #	51
37) Ethyl Acetate	7.23	43	5683	2.107	ug/l #	44
38) Carbon Tetrachloride	7.98	117	46145	6.302	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	108706	69.982	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108706	146.365	ug/l #	10

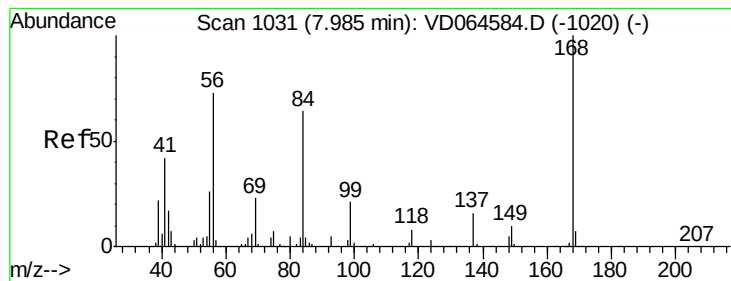
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010720\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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: VD064795.D

Acq: 07 Jan 2020 16:16

Instrument :

MSVOA_D

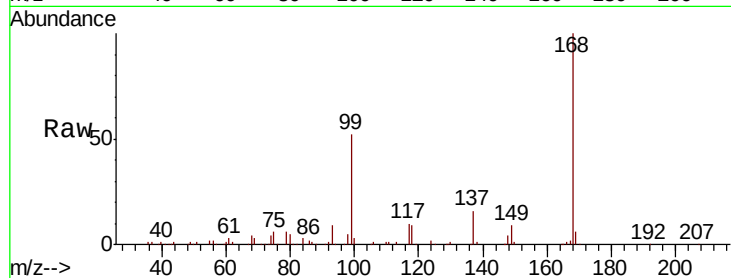
ClientSampled :

Tot Ion:168 Resp: 471736

Ion Ratio Lower Upper

168 100

99 51.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

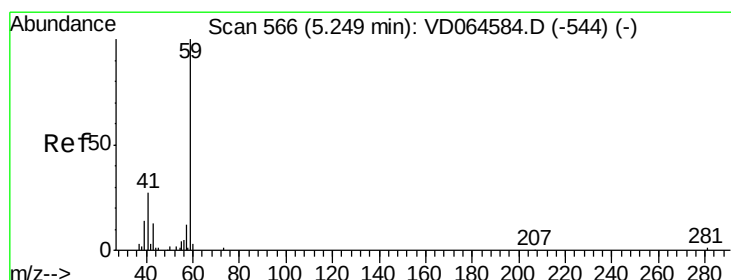
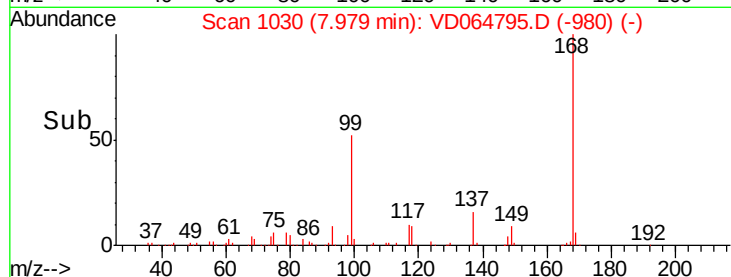
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.479 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064795.D

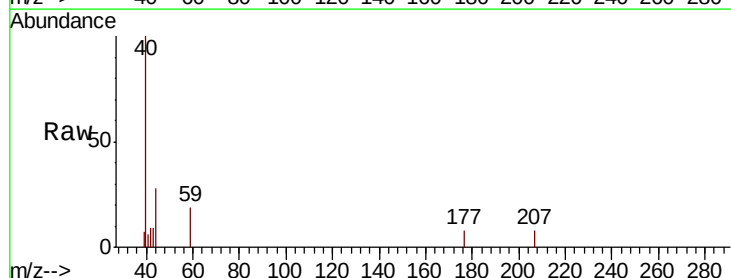
Acq: 07 Jan 2020 16:16

Tgt Ion: 59 Resp: 591

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

500

400

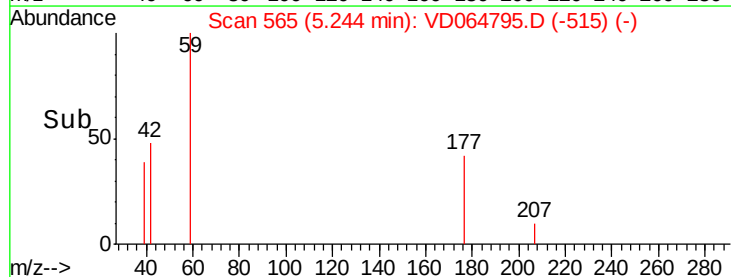
300

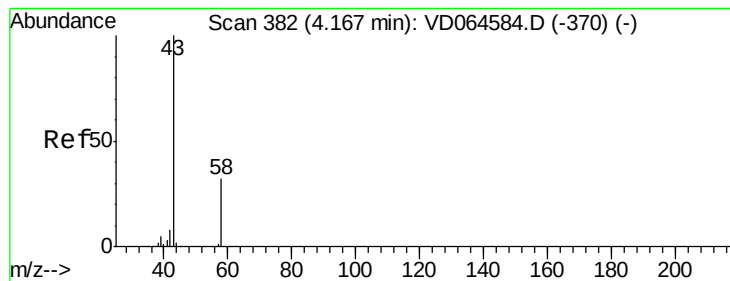
200

100

0

Time-->





#16

Acetone

Concen: 23.823 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064795.D

Acq: 07 Jan 2020 16:16

Instrument :

MSVOA_D

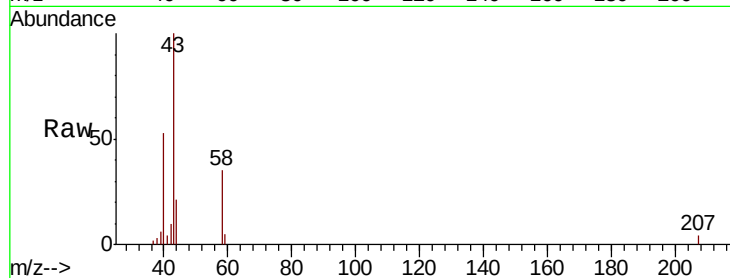
ClientSampleId :

Tot Ion: 43 Resp: 19428

Ion Ratio Lower Upper

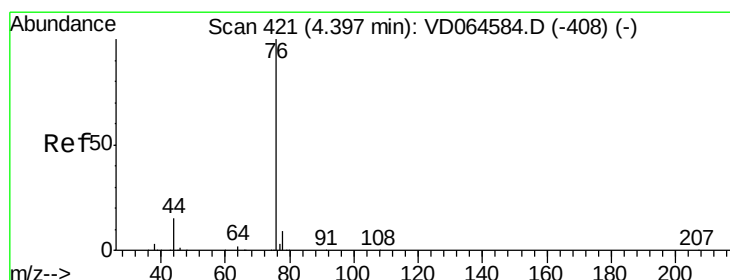
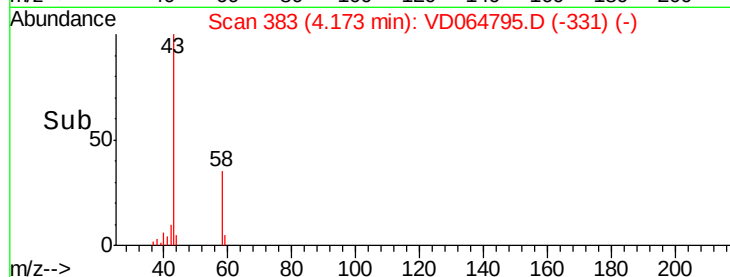
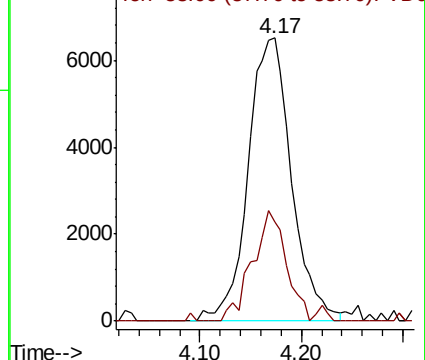
43 100

58 34.9 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: 1.507 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064795.D

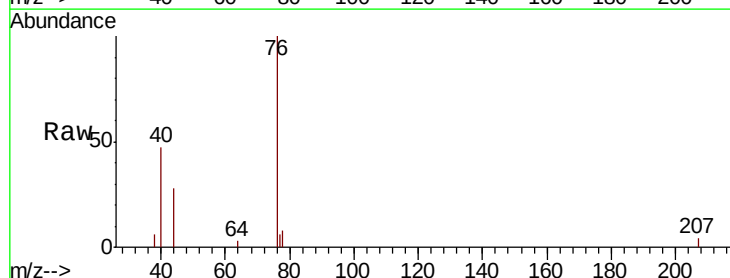
Acq: 07 Jan 2020 16:16

Tgt Ion: 76 Resp: 20229

Ion Ratio Lower Upper

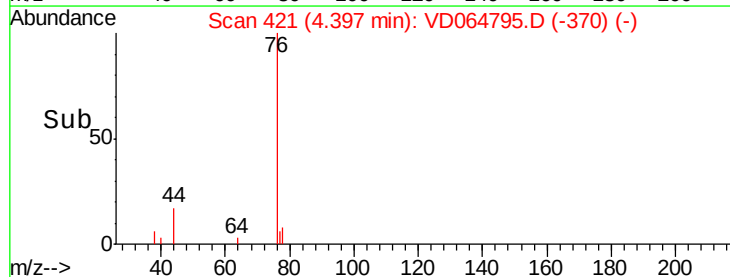
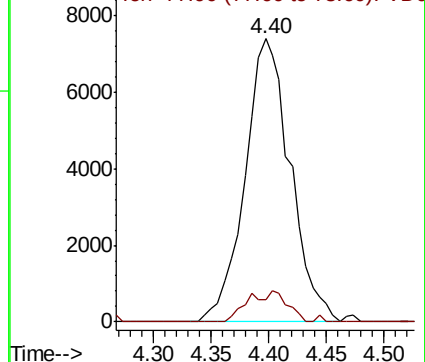
76 100

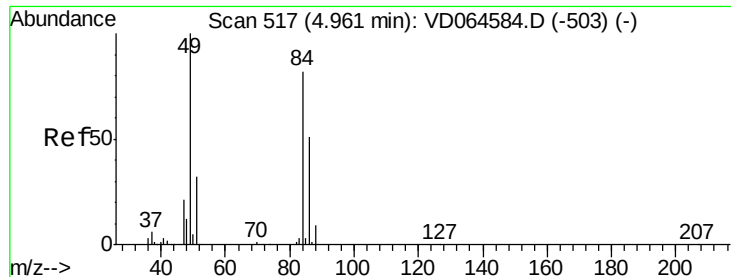
78 7.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

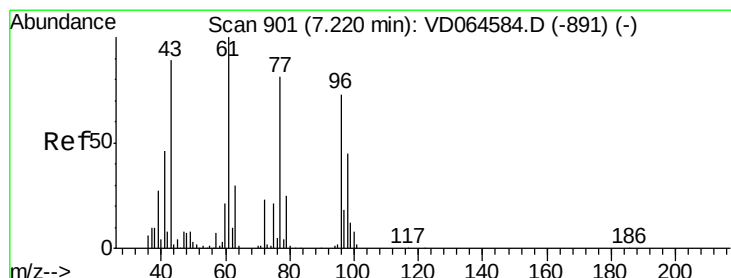
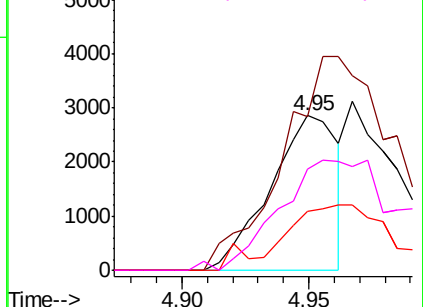
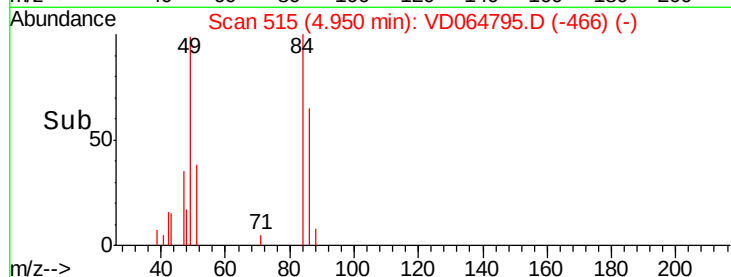
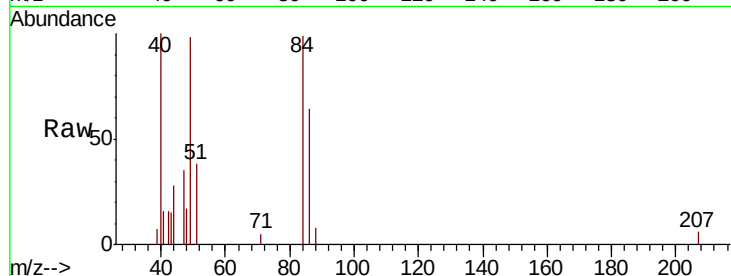




#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD064795.D
Acq: 07 Jan 2020 16:16

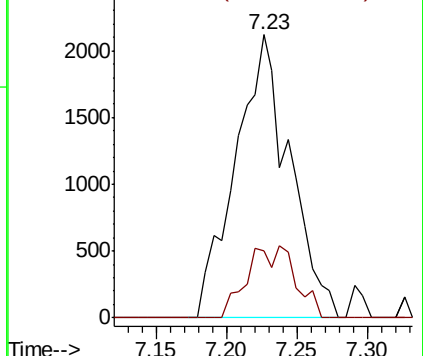
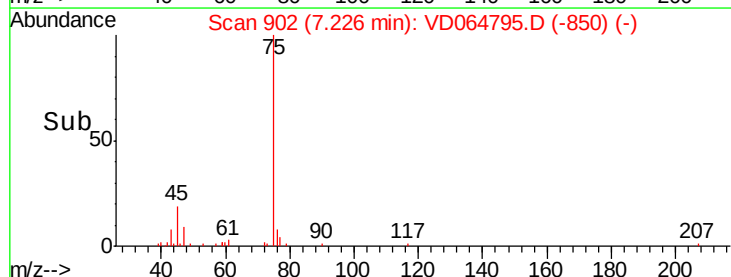
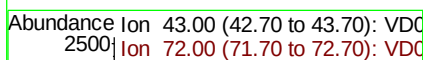
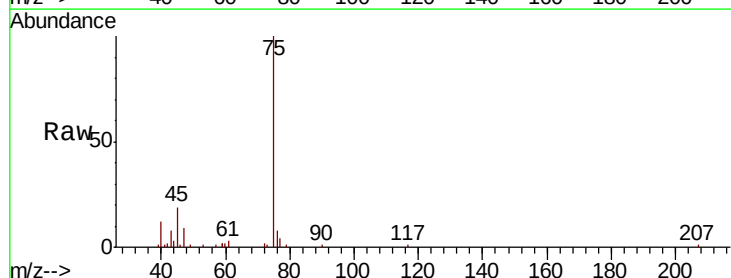
Instrument :
MSVOA_D
ClientSampleId :

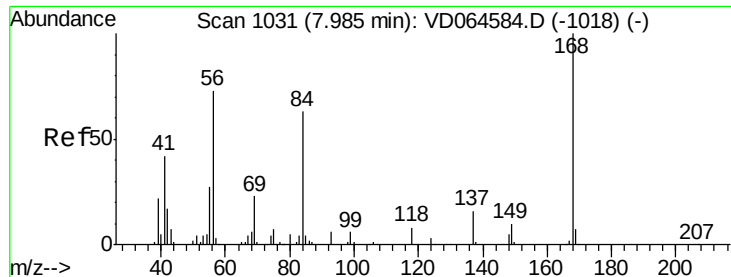
Tot Ion:	84	Resp:	5282
Ion	Ratio	Lower	Upper
84	100		
49	99.1	97.2	145.8
51	38.0	31.4	47.0
86	65.0	49.3	73.9



#25
2-Butanone
Concen: 4.970 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064795.D
Acq: 07 Jan 2020 16:16

Tgt Ion:	43	Resp:	5683
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.7	31.1

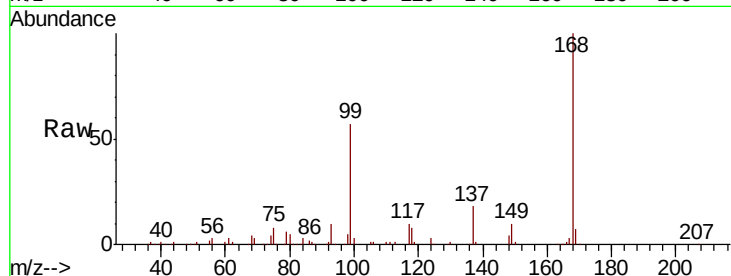




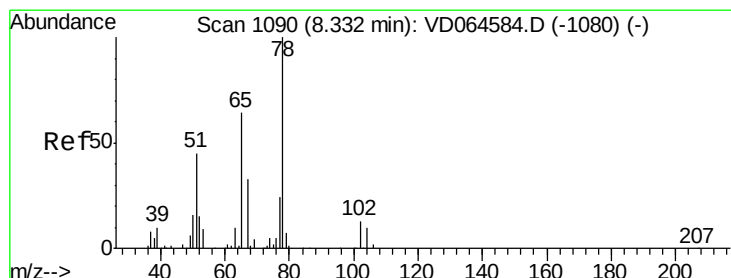
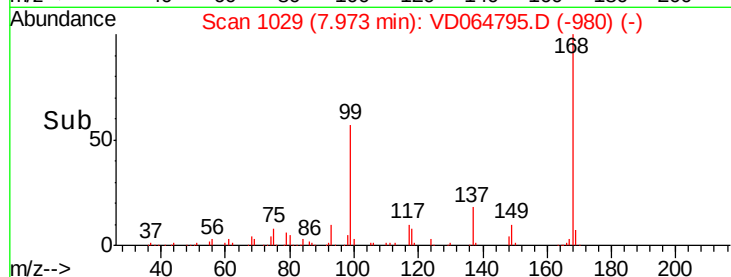
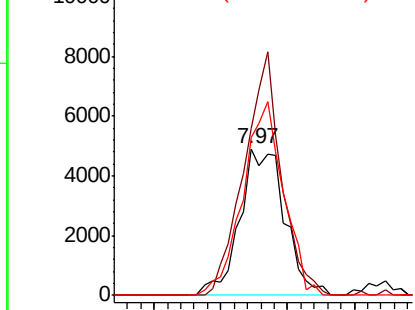
#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064795.D
Acq: 07 Jan 2020 16:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 11445
Ion Ratio Lower Upper
56 100
69 113.7 24.7 37.1#
84 107.2 69.4 104.2#

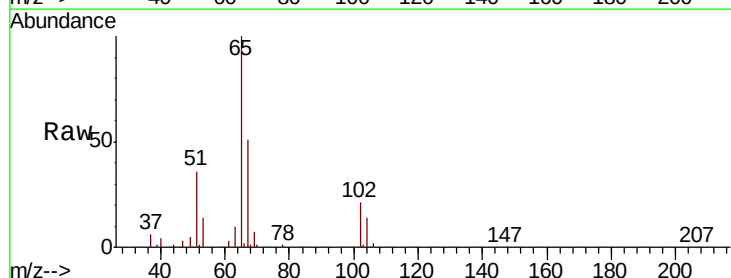


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

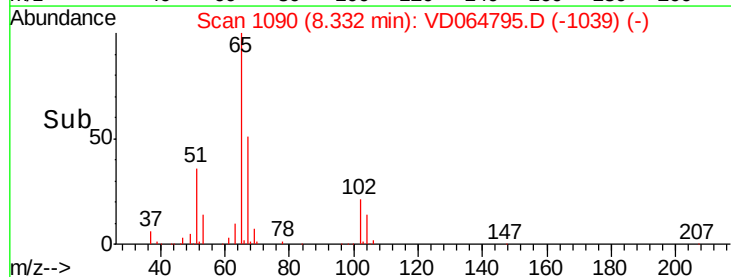
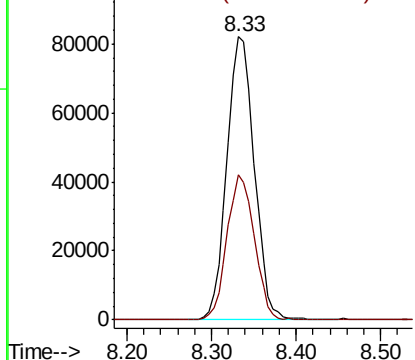


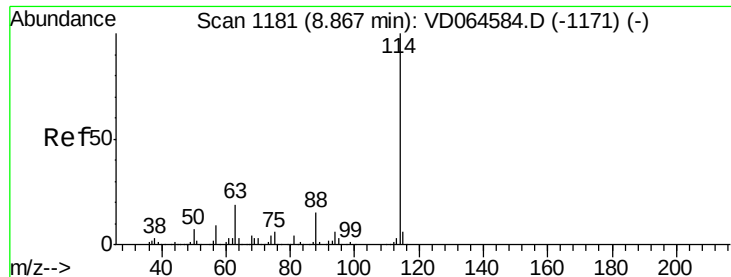
#33
1,2-Dichloroethane-d4
Concen: 44.173 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064795.D
Acq: 07 Jan 2020 16:16

Tgt Ion: 65 Resp: 183746
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2



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

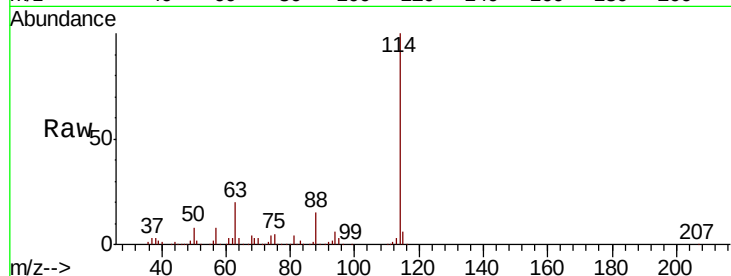




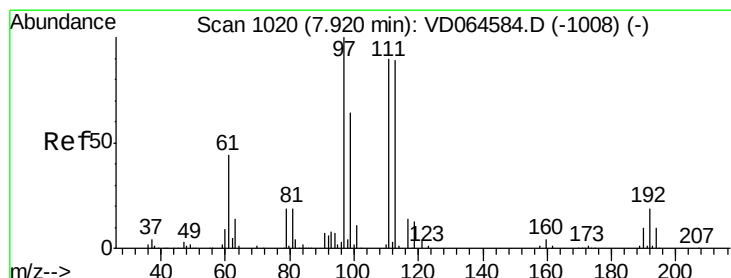
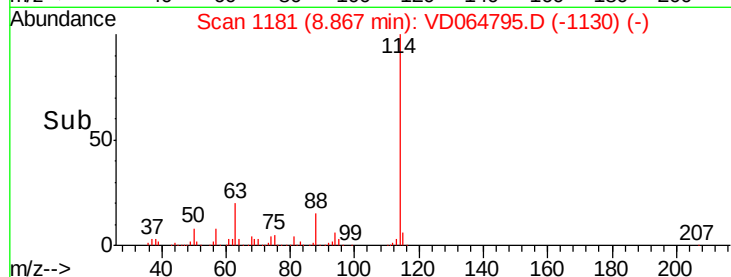
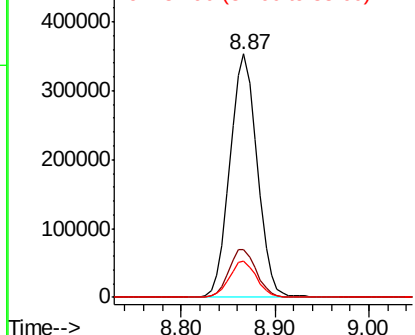
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064795.D
Acq: 07 Jan 2020 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 713453
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.0
88 14.8 0.0 29.2

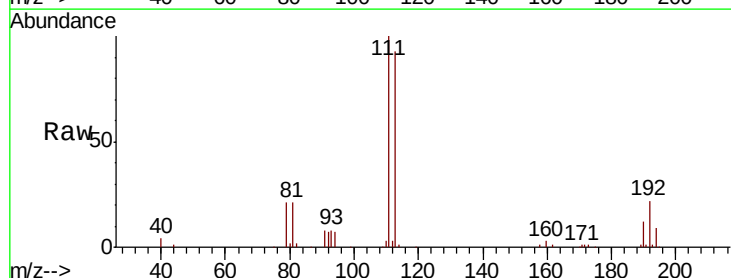


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

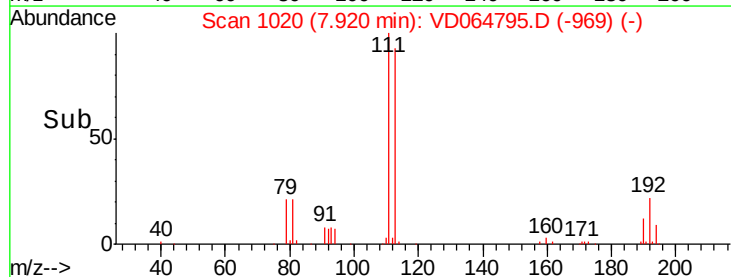
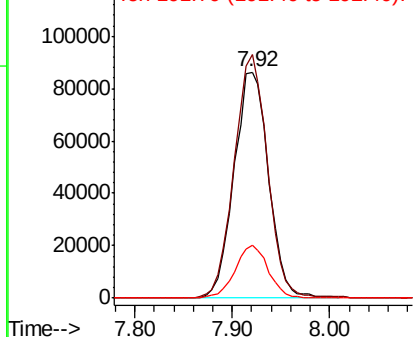


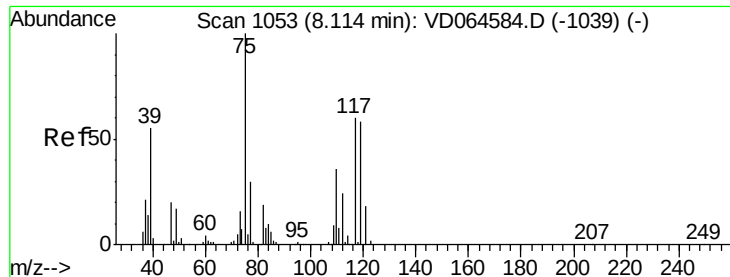
#35
Dibromofluoromethane
Concen: 48.480 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064795.D
Acq: 07 Jan 2020 16:16

Tgt Ion:113 Resp: 212205
Ion Ratio Lower Upper
113 100
111 103.5 80.6 121.0
192 22.2 17.9 26.9



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

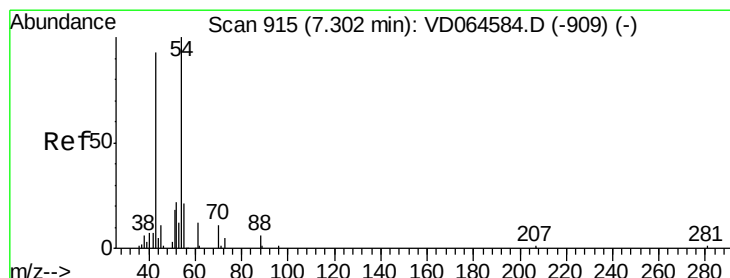
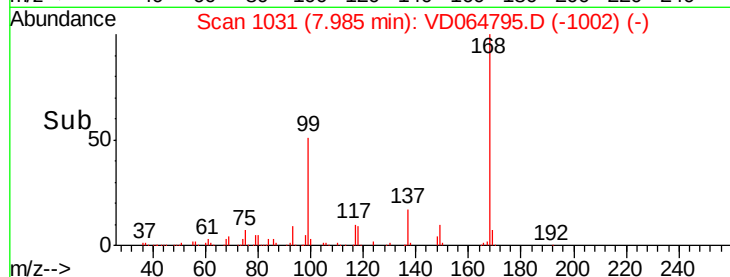
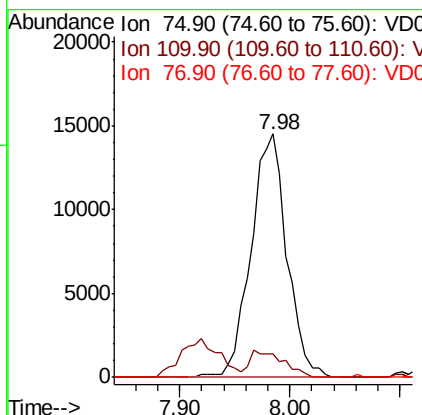
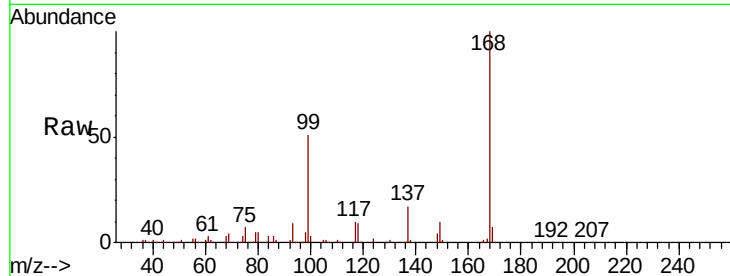




#36
 1,1-Dichloropropene
 Concen: 4.824 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064795.D
 Acq: 07 Jan 2020 16:16

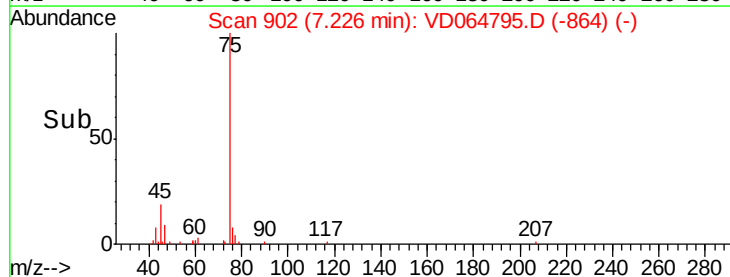
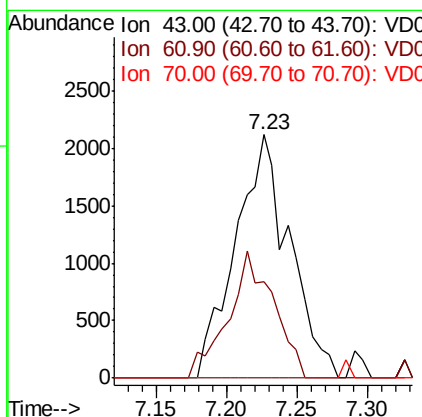
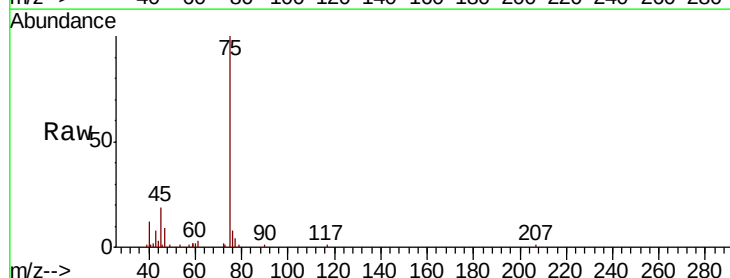
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 MSVOA_D
 ClientSampleId :

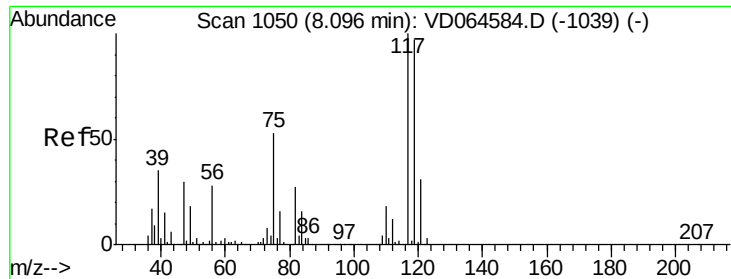
Tot Ion: 75 Resp: 33127
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.1#
 77 0.0 24.2 36.4#



#37
 Ethyl Acetate
 Concen: 2.107 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.08 min
 Lab File: VD064795.D
 Acq: 07 Jan 2020 16:16

Tgt Ion: 43 Resp: 5683
 Ion Ratio Lower Upper
 43 100
 61 43.7 10.3 15.5#
 70 0.0 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 6.302 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064795.D

Acq: 07 Jan 2020 16:16

Instrument :

MSVOA_D

ClientSampled :

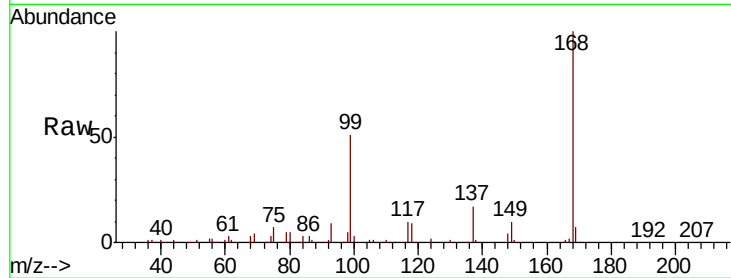
Tot Ion:117 Resp: 46145

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

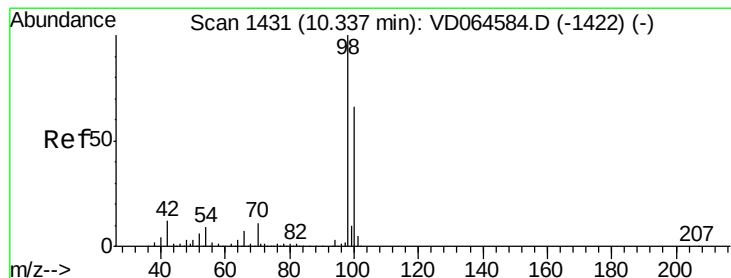
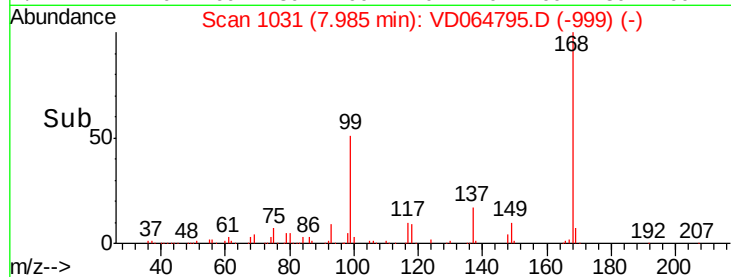
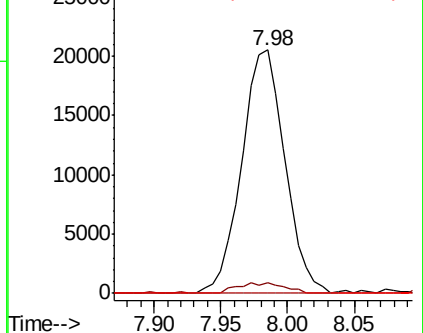
121 0.0 25.0 37.6#



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: 50.098 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064795.D

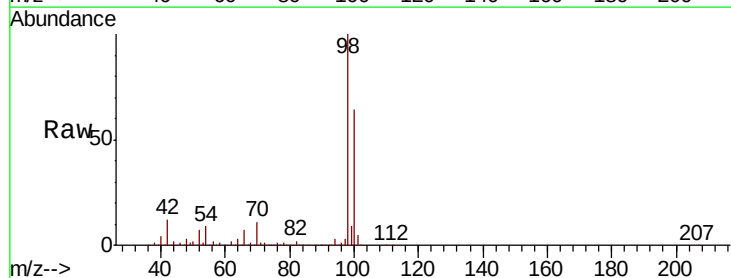
Acq: 07 Jan 2020 16:16

Tgt Ion: 98 Resp: 839853

Ion Ratio Lower Upper

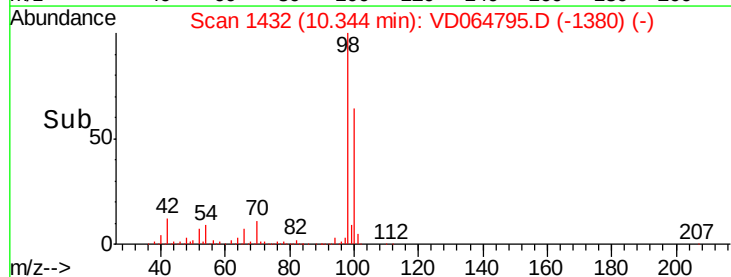
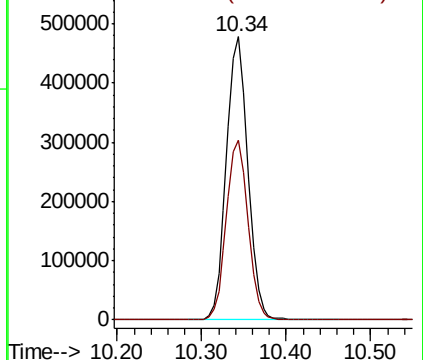
98 100

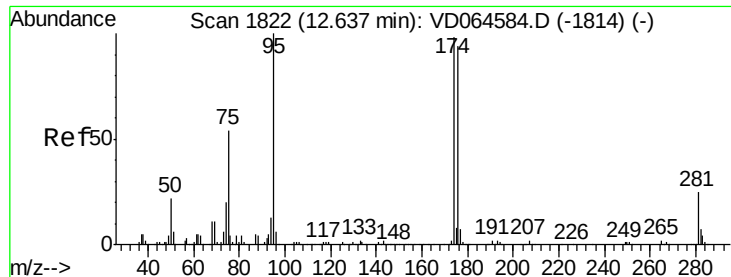
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 39.146 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064795.D

Acq: 07 Jan 2020 16:16

Instrument :

MSVOA_D

ClientSampleId :

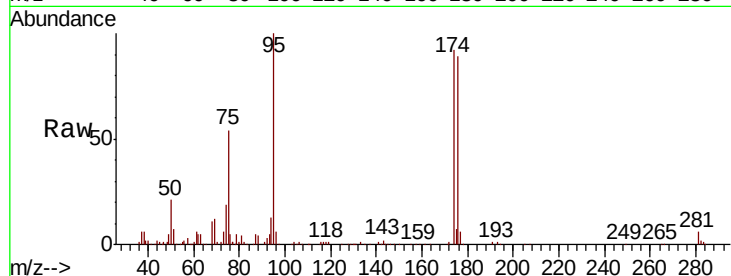
Tot Ion: 95 Resp: 207511

Ion Ratio Lower Upper

95 100

174 94.3 0.0 193.2

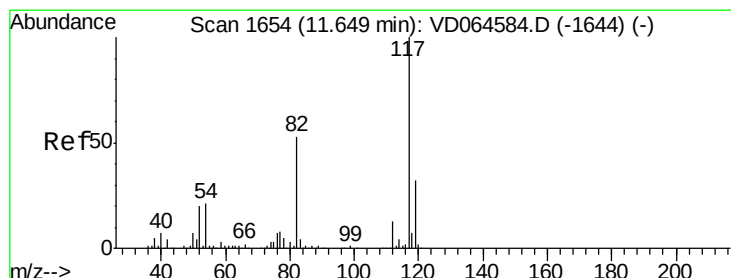
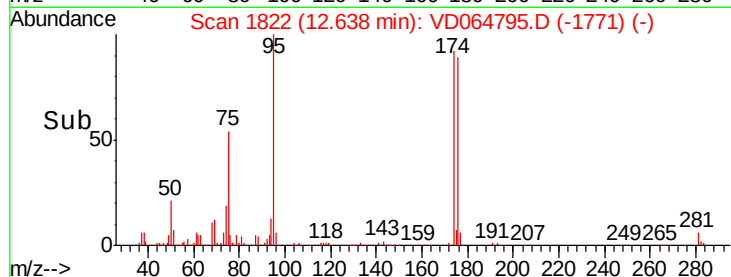
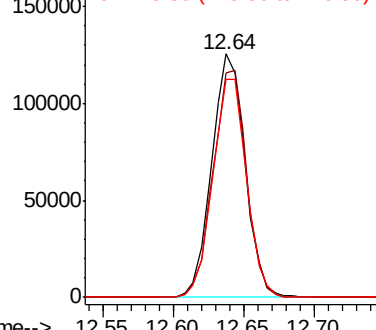
176 90.9 0.0 184.2



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: VD064795.D

Acq: 07 Jan 2020 16:16

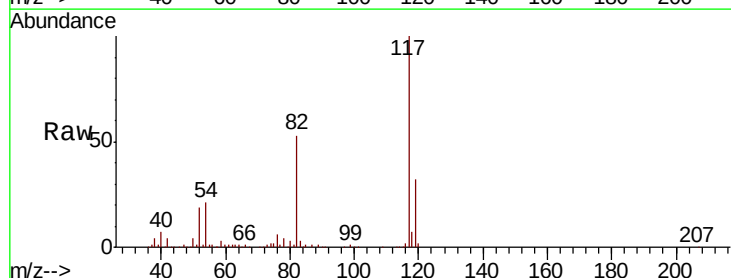
Tgt Ion: 117 Resp: 569705

Ion Ratio Lower Upper

117 100

82 52.7 42.2 63.4

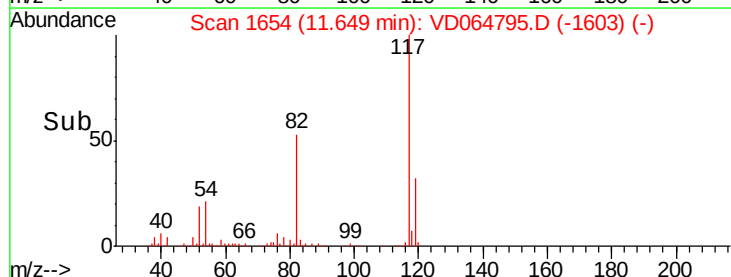
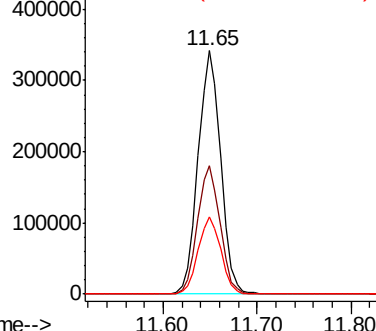
119 31.9 26.0 39.0

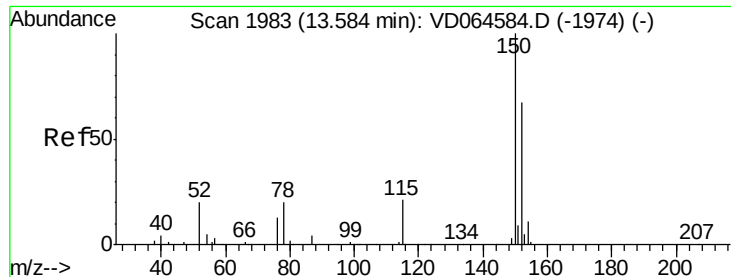


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064795.D

Acq: 07 Jan 2020 16:16

Instrument :

MSVOA_D

ClientSampled :

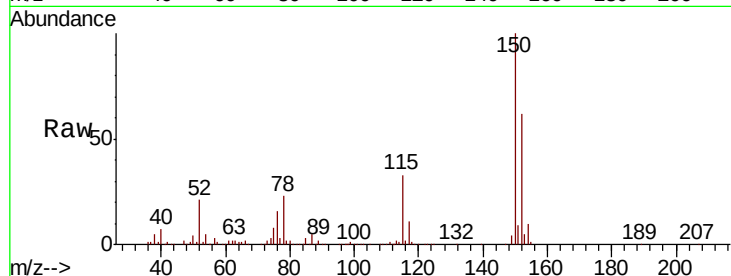
Tot Ion:152 Resp: 196710

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

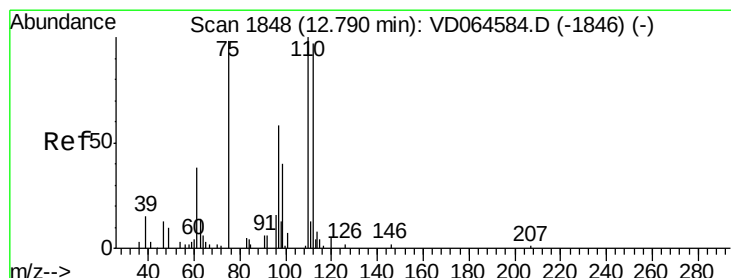
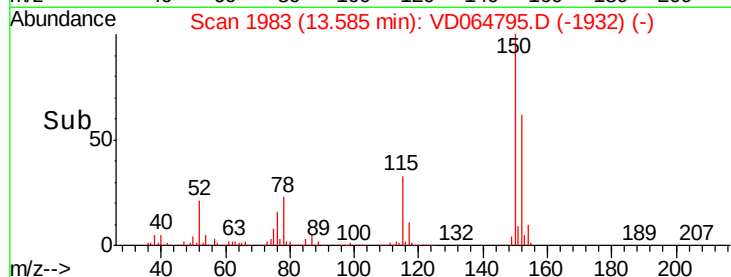
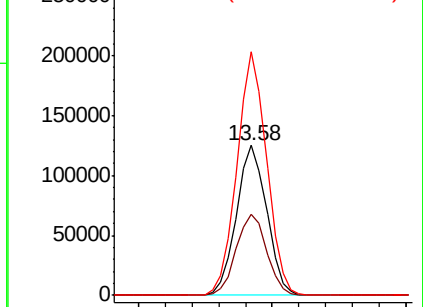
150 158.6 0.0 351.4



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: 69.982 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064795.D

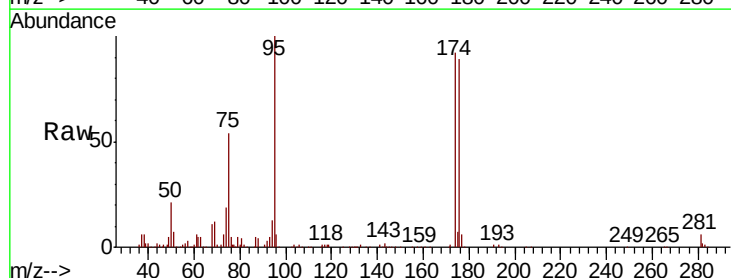
Acq: 07 Jan 2020 16:16

Tgt Ion: 75 Resp: 108706

Ion Ratio Lower Upper

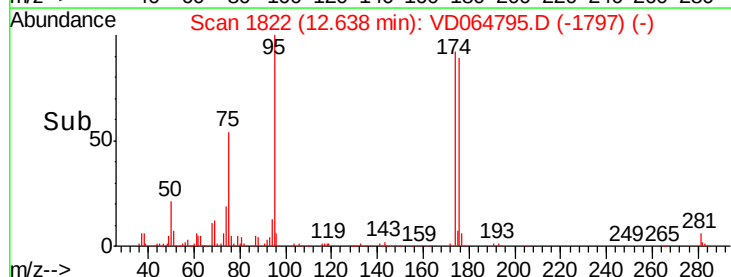
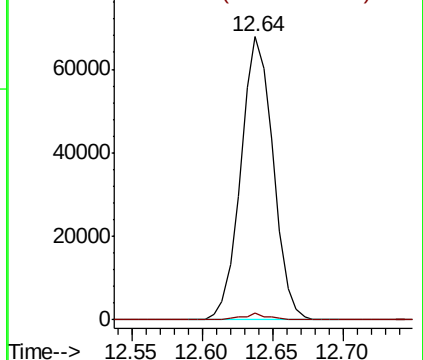
75 100

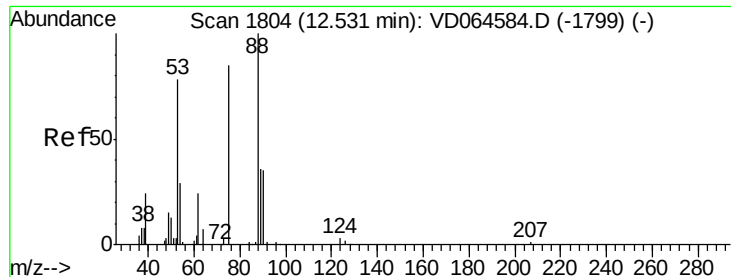
77 1.8 0.0 0.0#



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: 146.365 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064795.D

Acq: 07 Jan 2020 16:16

Instrument :

MSVOA_D

ClientSampleId :

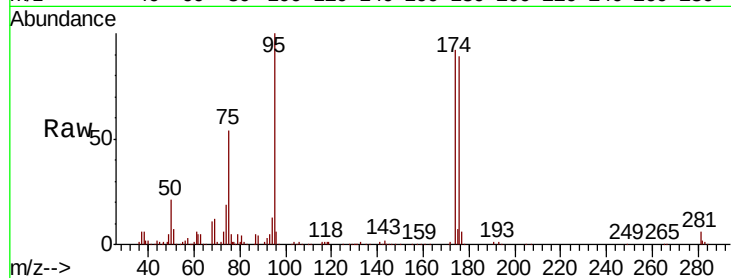
Tot Ion: 75 Resp: 108706

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#



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

