

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064547.D
 Acq On : 17 Dec 2019 16:07
 Operator : VA/SY
 Sample : K6324-07
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-15

Quant Time: Dec 18 00:48:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	486360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	766721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	757254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	386250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	208053	47.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.52%	
35) Dibromofluoromethane	7.92	113	236017	48.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.72%	
50) Toluene-d8	10.34	98	923959	50.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.64	95	334142	57.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.28%	

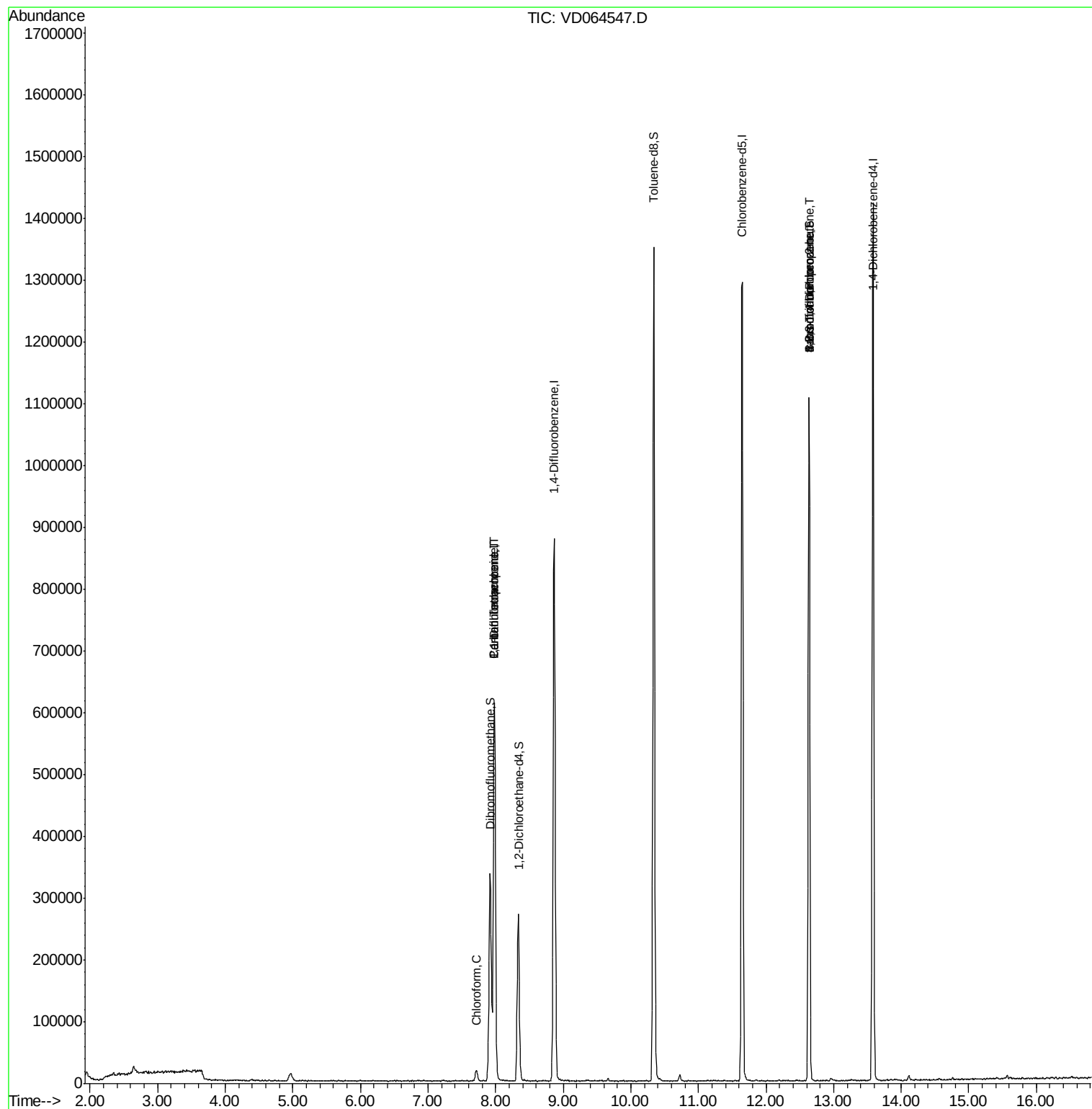
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	9402	Below Cal	#	89
30) Chloroform	7.71	83	16300	1.938	ug/l	89
31) Cyclohexane	7.98	56	9959	Below Cal	#	10
36) 1,1-Dichloropropene	7.98	75	34506	4.758	ug/l #	50
38) Carbon Tetrachloride	7.98	117	45660	5.965	ug/l #	14
71) Bromoform	12.64	173	4235	1.211	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	174951	55.079	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	174951	120.100	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	68	Below Cal	#	1

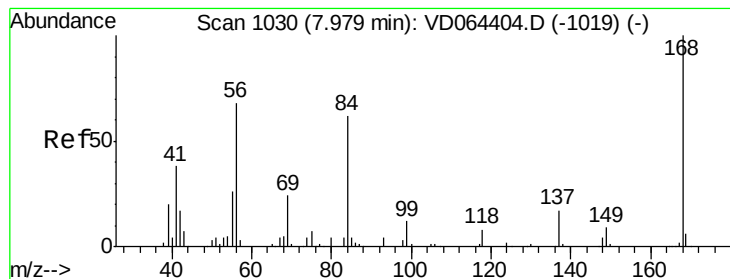
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
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QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064547.D

Acq: 17 Dec 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

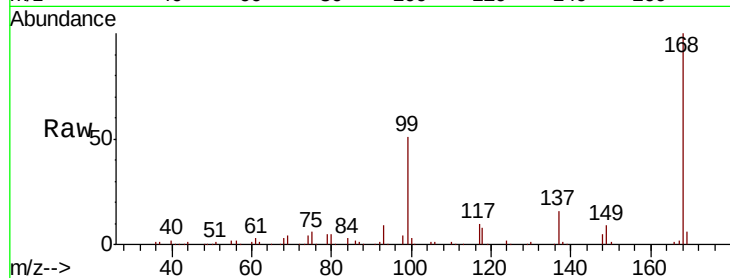
EP-15

Tgt Ion:168 Resp: 486360

Ion Ratio Lower Upper

168 100

99 50.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

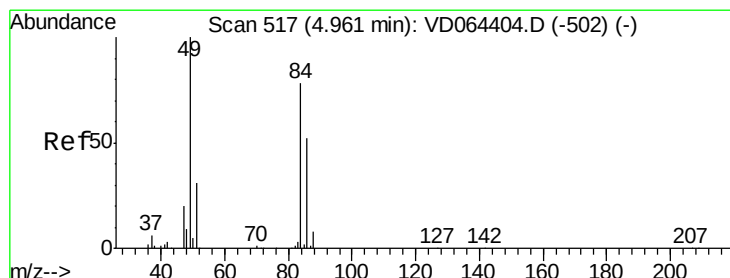
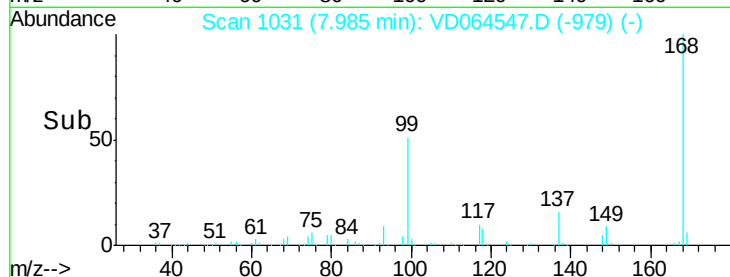
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064547.D

Acq: 17 Dec 2019 16:07

Tgt Ion: 84 Resp: 9402

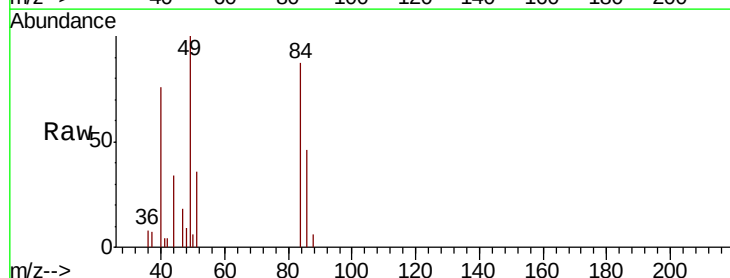
Ion Ratio Lower Upper

84 100

49 115.5 102.6 153.8

51 41.2 32.0 48.0

86 53.0 53.4 80.0#



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

6000

5000

4000

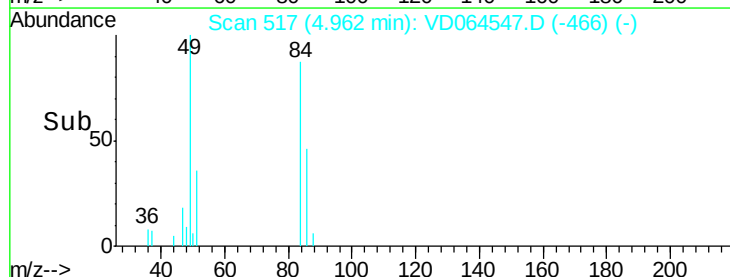
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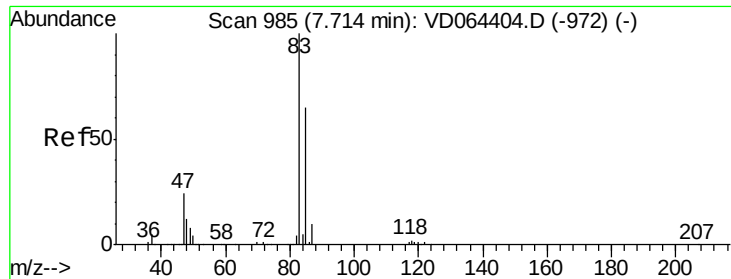
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1000

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Time-->

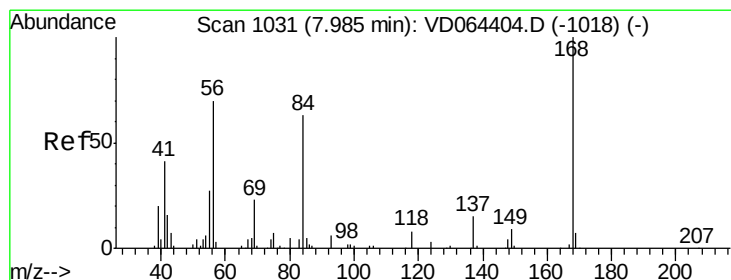
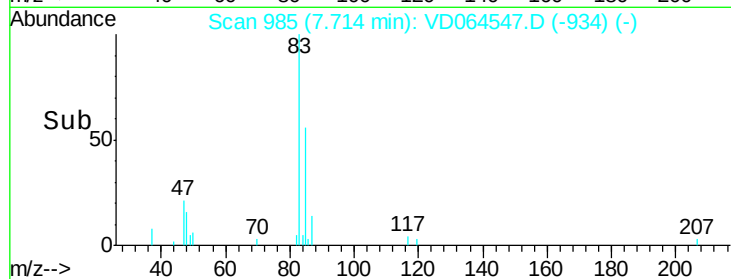
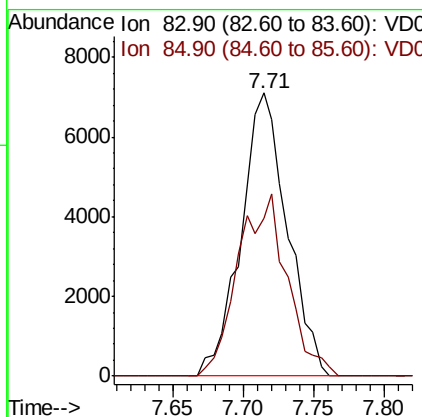
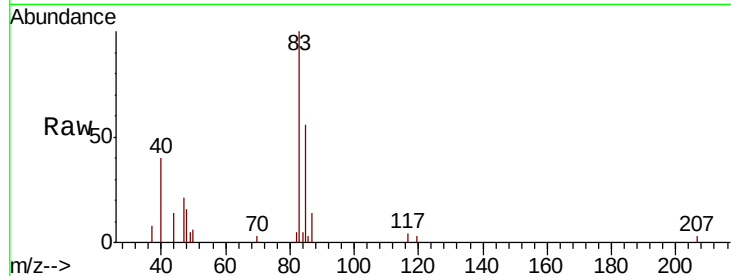




#30
Chloroform
Concen: 1.938 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064547.D
Acq: 17 Dec 2019 16:07

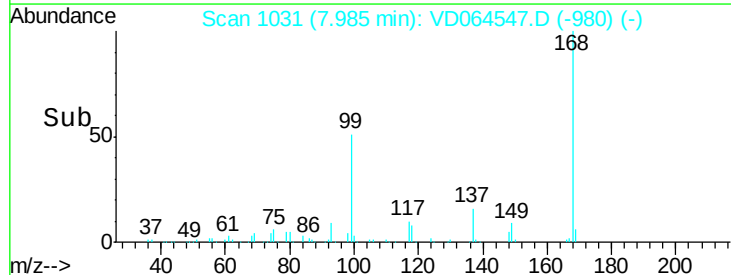
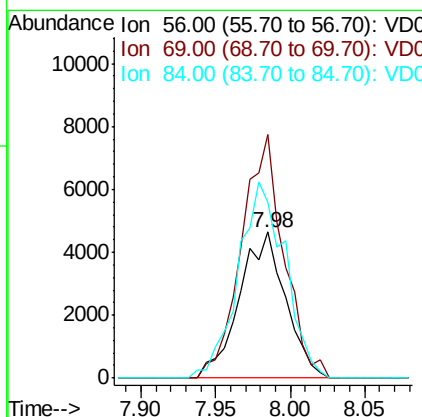
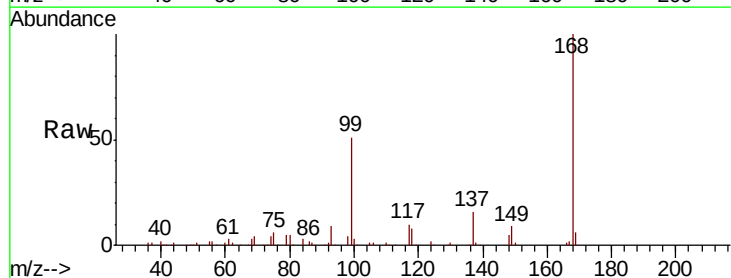
Instrument :
MSVOA_D
ClientSampled :
EP-15

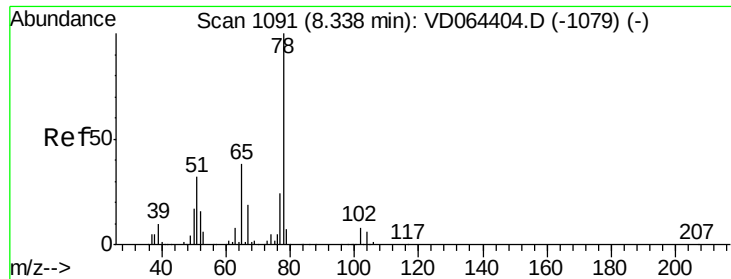
Tgt Ion: 83 Resp: 16300
Ion Ratio Lower Upper
83 100
85 55.9 51.8 77.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064547.D
Acq: 17 Dec 2019 16:07

Tgt Ion: 56 Resp: 9959
Ion Ratio Lower Upper
56 100
69 166.5 26.2 39.4#
84 120.5 70.3 105.5#

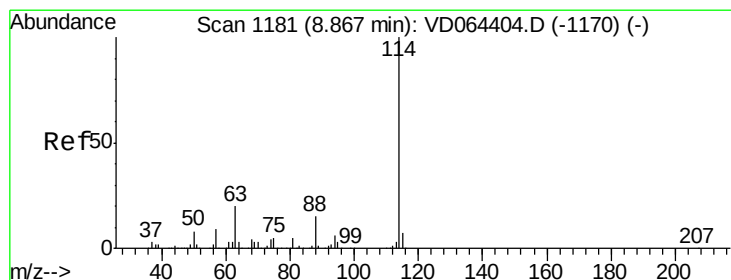
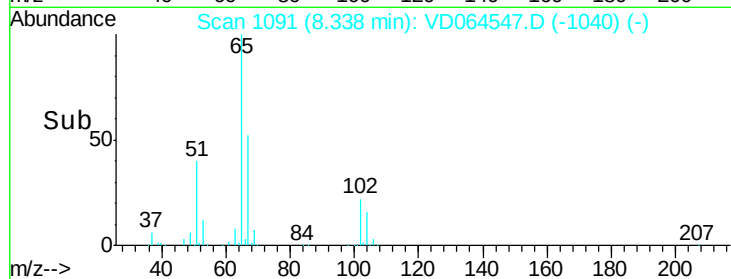
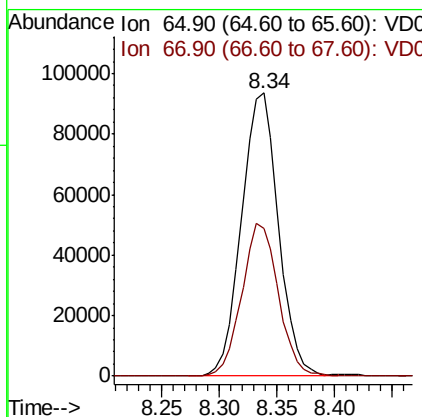
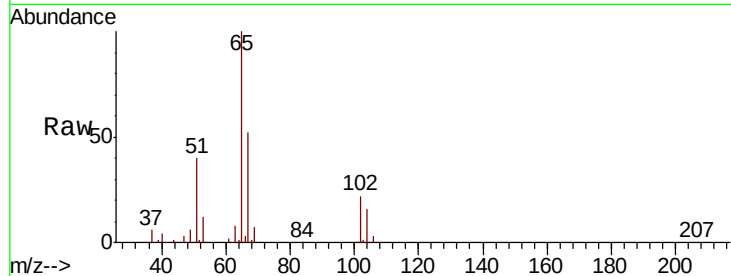




#33
 1,2-Dichloroethane-d4
 Concen: 47.260 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064547.D
 Acq: 17 Dec 2019 16:07

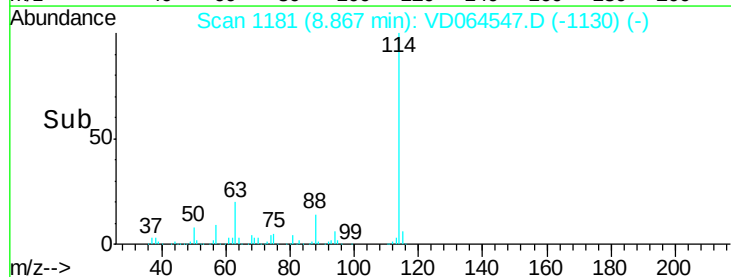
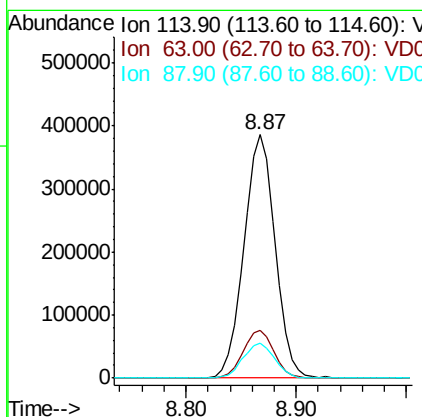
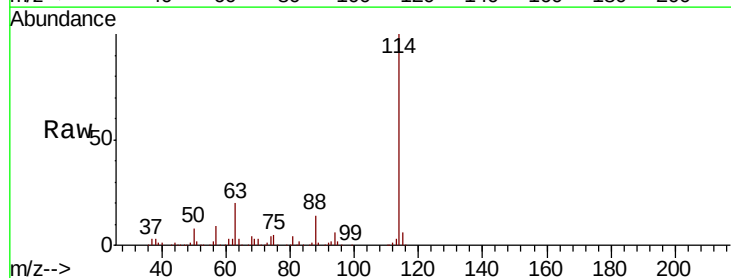
Instrument :
 MSVOA_D
 ClientSampled :
 EP-15

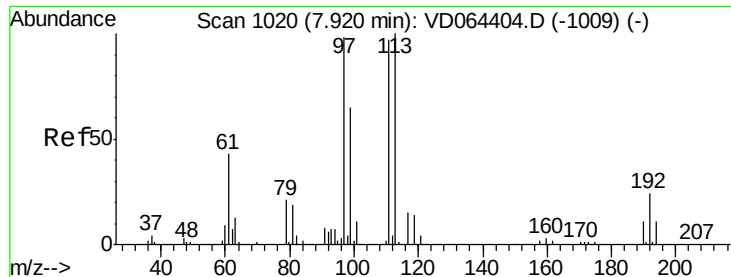
Tgt Ion: 65 Resp: 208053
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064547.D
 Acq: 17 Dec 2019 16:07

Tgt Ion: 114 Resp: 766721
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 14.4 0.0 29.2

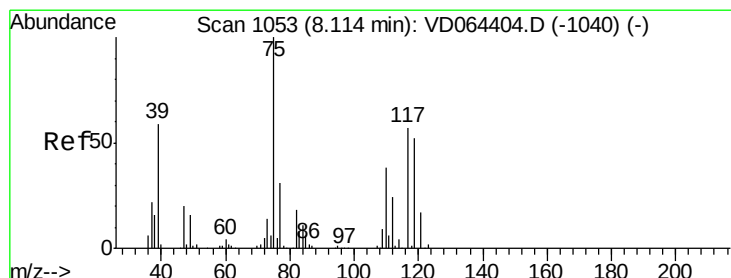
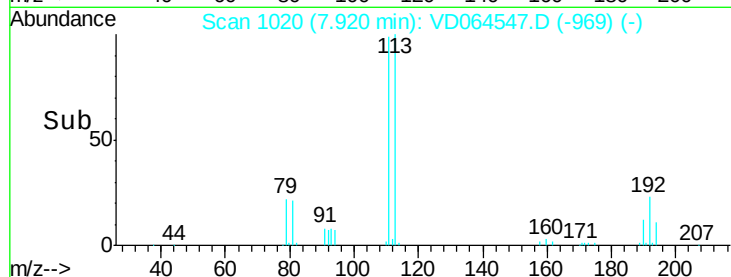
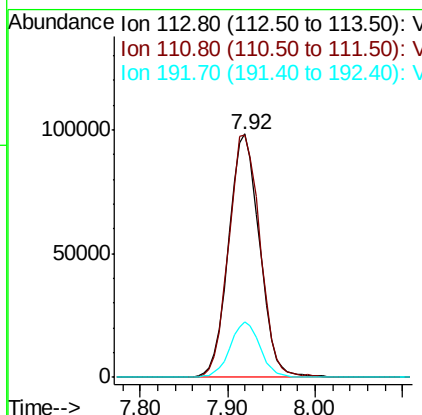
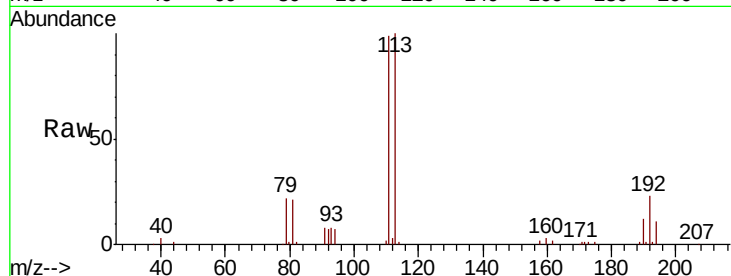




#35
 Dibromofluoromethane
 Concen: 48.857 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064547.D
 Acq: 17 Dec 2019 16:07

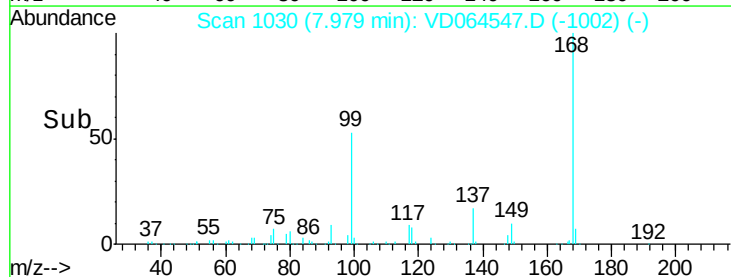
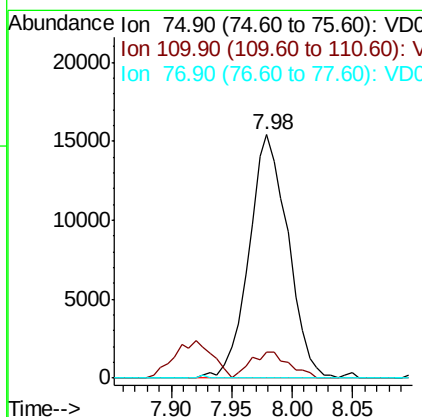
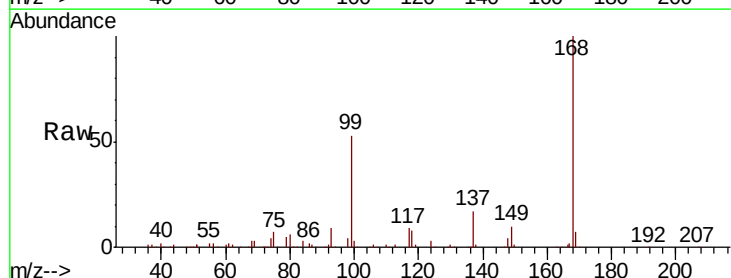
Instrument :
 MSVOA_D
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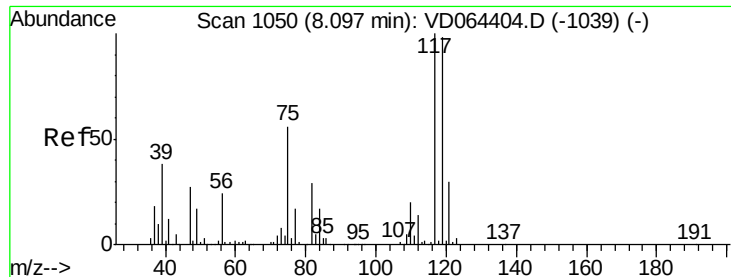
Tgt Ion: 113 Resp: 236017
 Ion Ratio Lower Upper
 113 100
 111 101.4 79.4 119.2
 192 22.0 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064547.D
 Acq: 17 Dec 2019 16:07

Tgt Ion: 75 Resp: 34506
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.6 55.8#
 77 0.0 25.0 37.4#

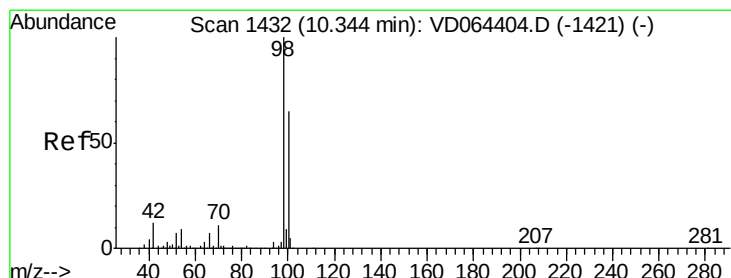
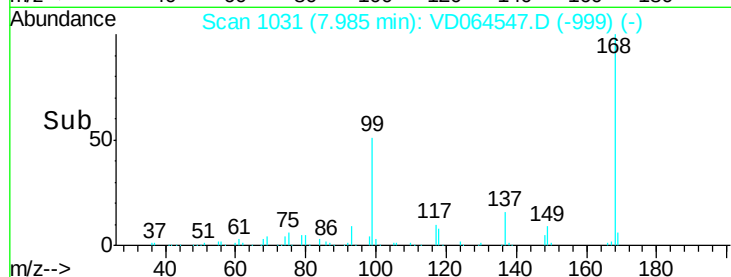
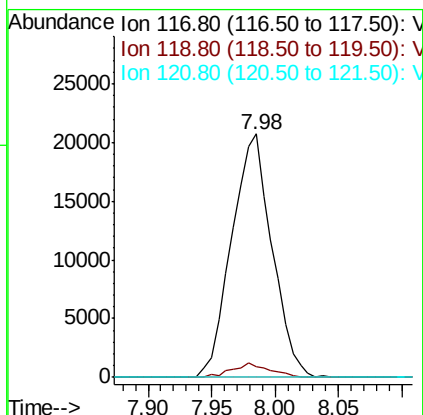
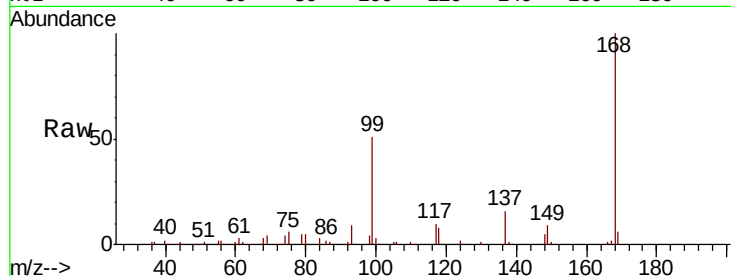




#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064547.D
Acq: 17 Dec 2019 16:07

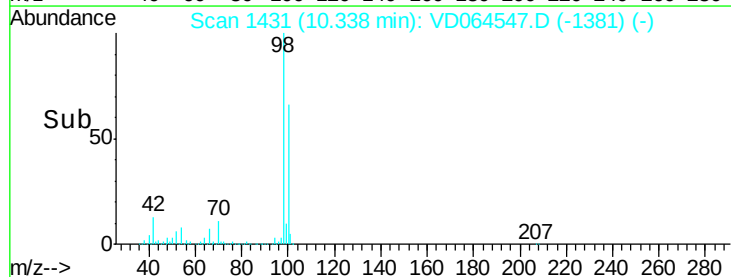
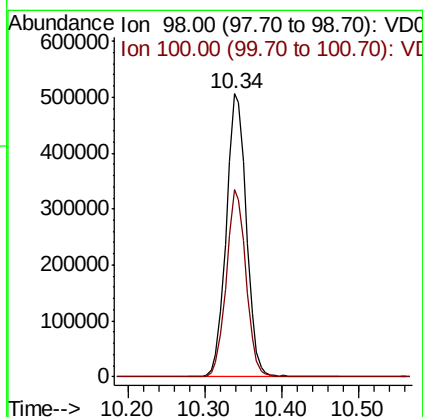
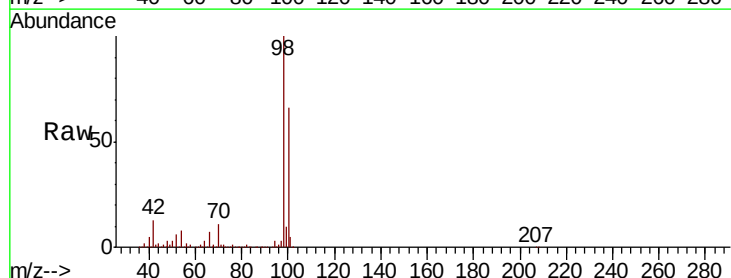
Instrument :
MSVOA_D
ClientSampled :
EP-15

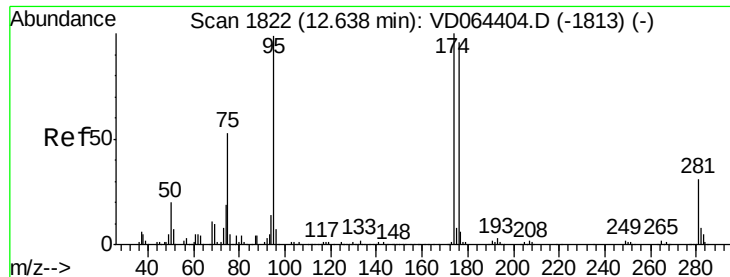
Tgt Ion:117 Resp: 45660
Ion Ratio Lower Upper
117 100
119 4.4 78.8 118.2#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.776 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064547.D
Acq: 17 Dec 2019 16:07

Tgt Ion: 98 Resp: 923959
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0

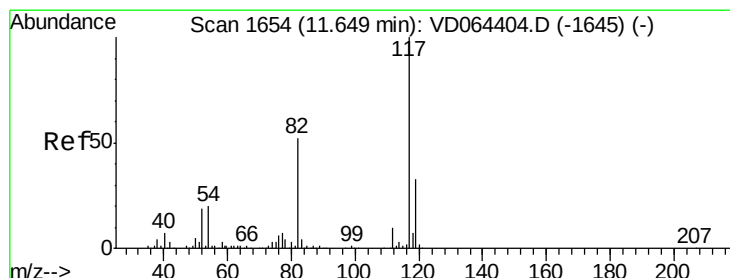
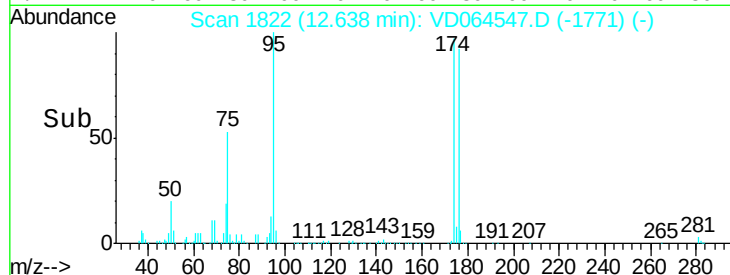
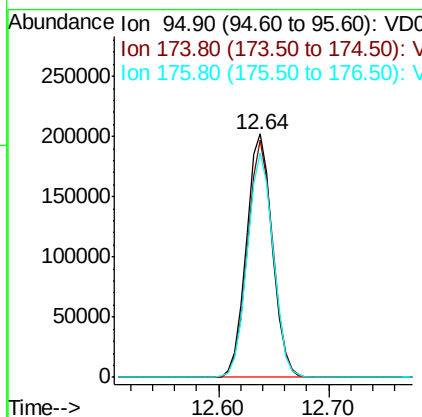
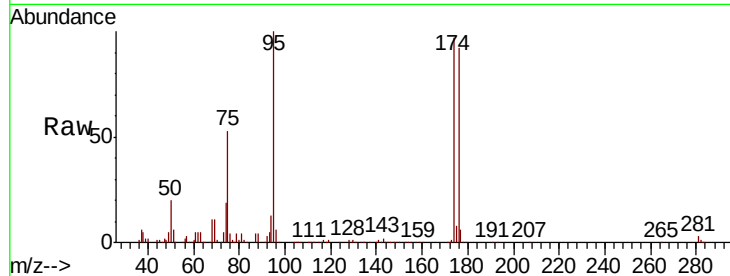




#62
4-Bromofluorobenzene
Concen: 57.138 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064547.D
Acq: 17 Dec 2019 16:07

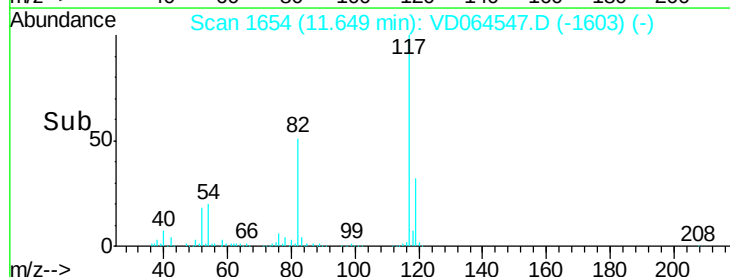
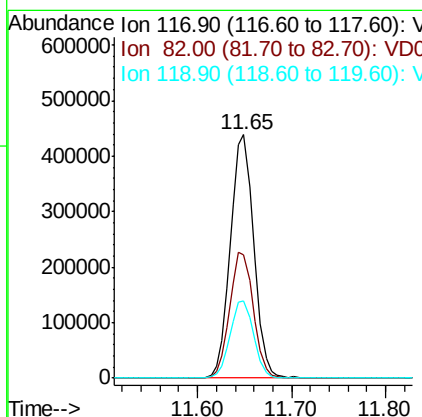
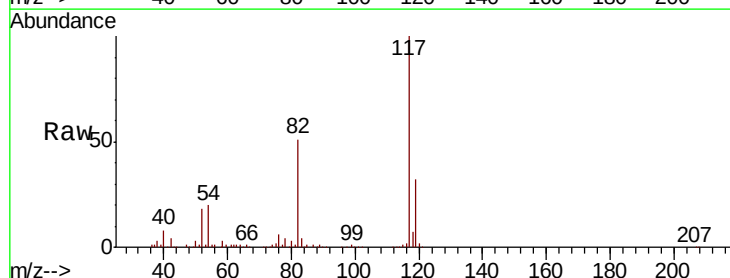
Instrument :
MSVOA_D
ClientSampled :
EP-15

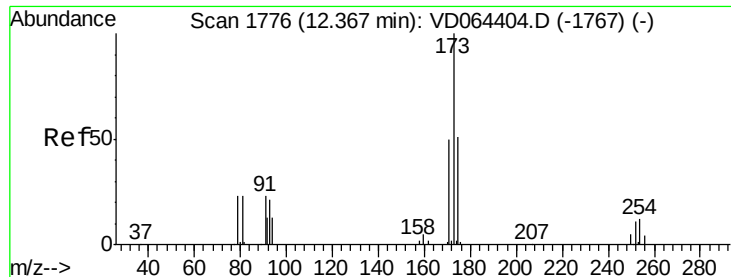
Tgt Ion: 95 Resp: 334142
Ion Ratio Lower Upper
95 100
174 95.2 0.0 197.2
176 92.0 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064547.D
Acq: 17 Dec 2019 16:07

Tgt Ion: 117 Resp: 757254
Ion Ratio Lower Upper
117 100
82 50.8 41.4 62.2
119 31.9 26.2 39.2





#71

Bromoform

Concen: 1.211 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064547.D

Acq: 17 Dec 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

EP-15

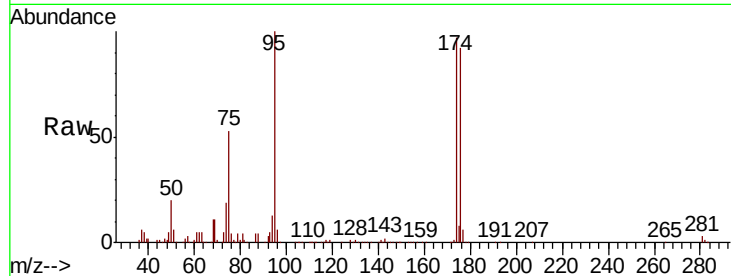
Tgt Ion:173 Resp: 4235

Ion Ratio Lower Upper

173 100

175 465.5 25.3 75.8#

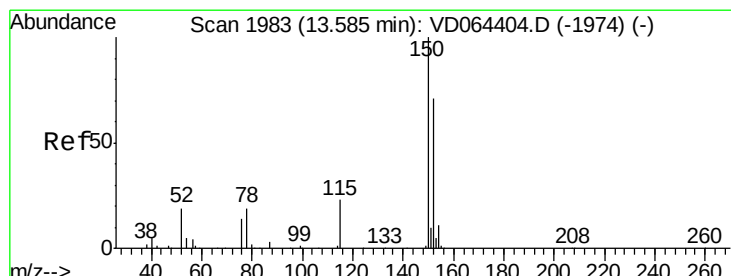
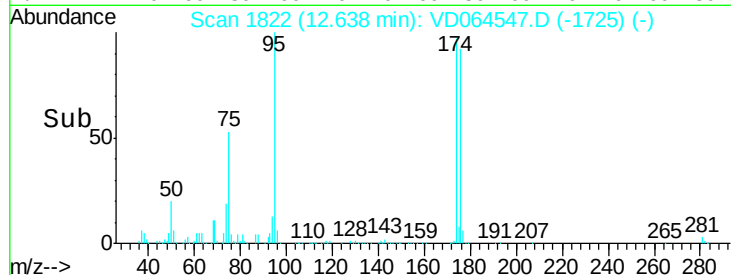
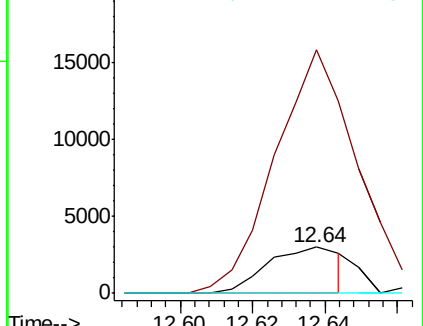
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD064547.D

Acq: 17 Dec 2019 16:07

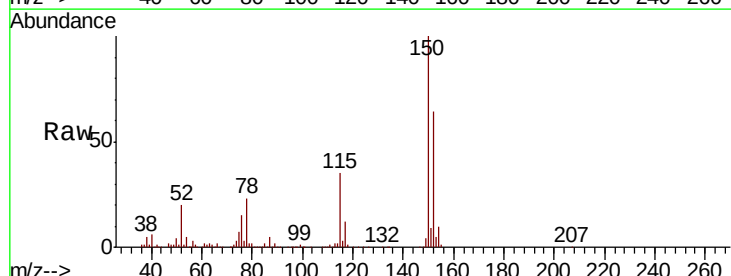
Tgt Ion:152 Resp: 386250

Ion Ratio Lower Upper

152 100

115 54.6 26.7 80.1

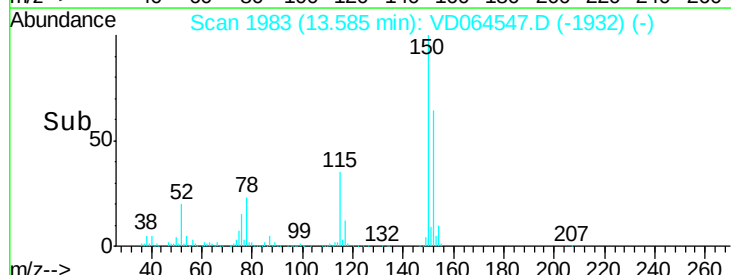
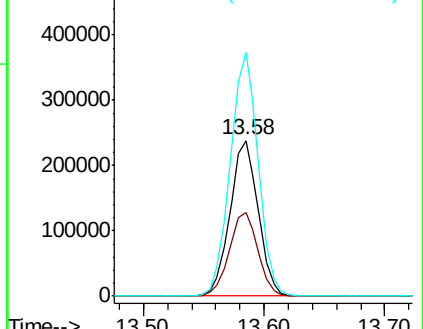
150 155.2 0.0 347.2

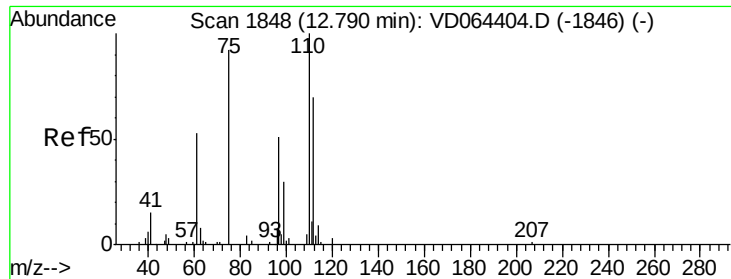


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 55.079 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064547.D

Acq: 17 Dec 2019 16:07

Instrument :

MSVOA_D

ClientSampled :

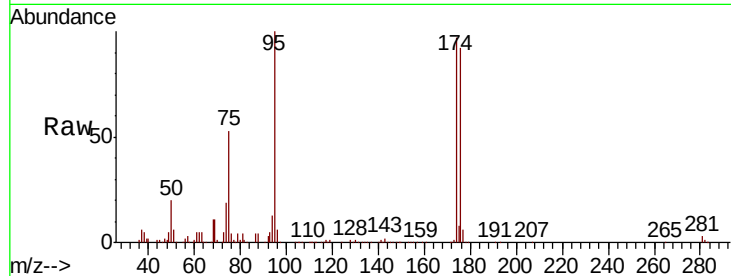
EP-15

Tgt Ion: 75 Resp: 174951

Ion Ratio Lower Upper

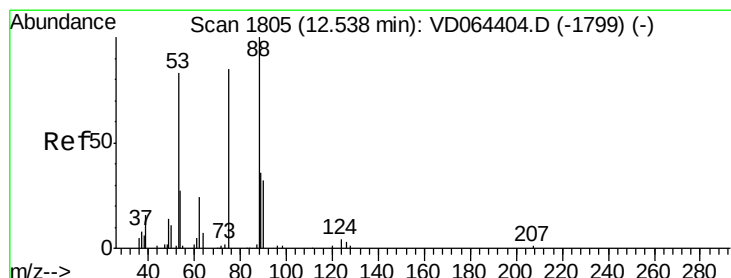
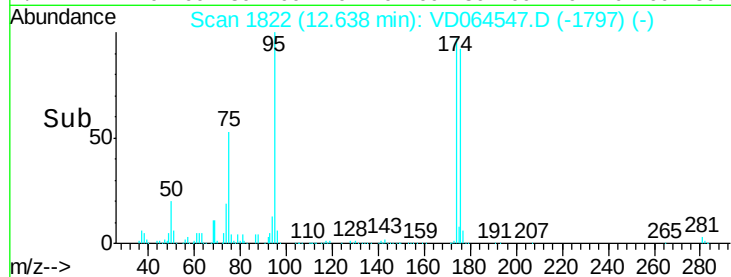
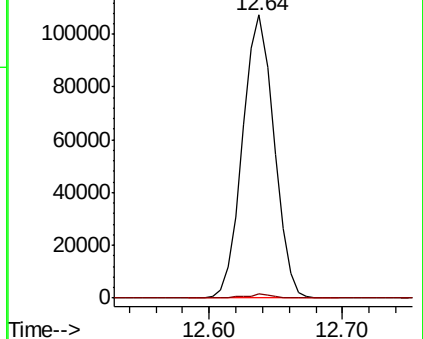
75 100

77 1.1 0.0 0.0#



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: 120.100 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064547.D

Acq: 17 Dec 2019 16:07

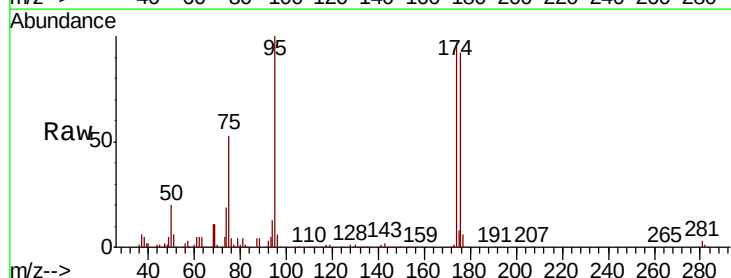
Tgt Ion: 75 Resp: 174951

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

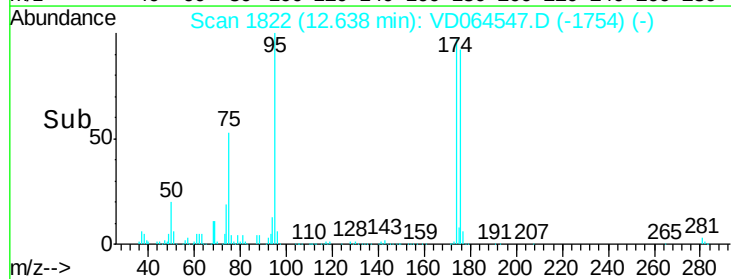
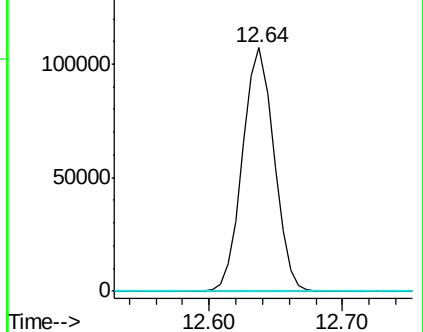
89 0.0 38.5 57.7#

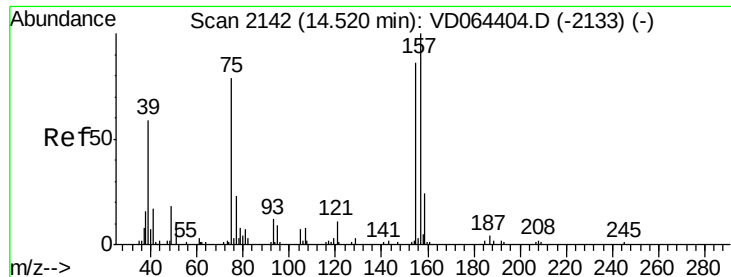


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VD064547.D

Acq: 17 Dec 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

EP-15

Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#

