

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064546.D
 Acq On : 17 Dec 2019 15:38
 Operator : VA/SY
 Sample : K6324-06
 Misc : 5.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-14

Quant Time: Dec 18 00:48:44 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	495298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	771604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	772152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	387405	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	212260	47.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.70%	
35) Dibromofluoromethane	7.92	113	236136	48.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.14%	
50) Toluene-d8	10.34	98	939573	51.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.64	95	332551	56.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.02%	

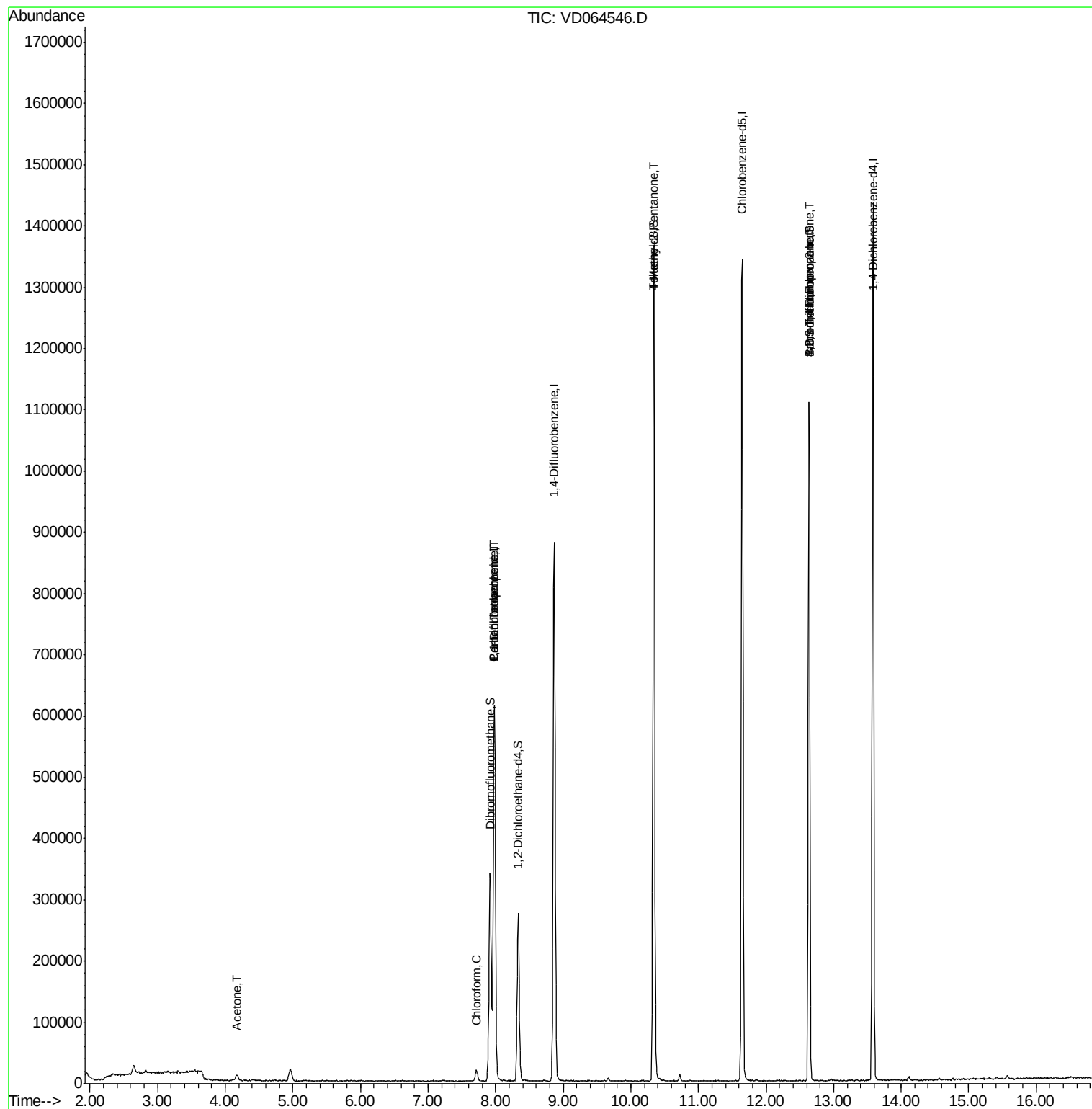
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	17138	18.917	ug/l	93
20) Methylene Chloride	4.96	84	14234	Below Cal		93
30) Chloroform	7.71	83	16205	1.892	ug/l	89
31) Cyclohexane	7.98	56	9690	Below Cal	#	1
36) 1,1-Dichloropropene	7.98	75	33493	4.589	ug/l #	49
38) Carbon Tetrachloride	7.98	117	45521	5.910	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	4625	1.535	ug/l #	1
71) Bromoform	12.64	173	3597	1.008	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	175219	54.998	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	175219	119.925	ug/l #	9

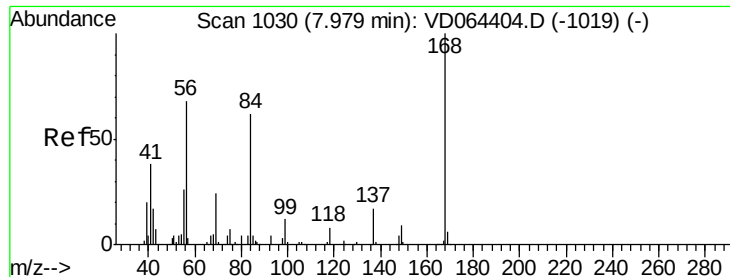
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
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ClientSampleId :
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Quant Time: Dec 18 00:48:44 2019
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Quant Title : SW846 8260
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: VD064546.D

Acq: 17 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

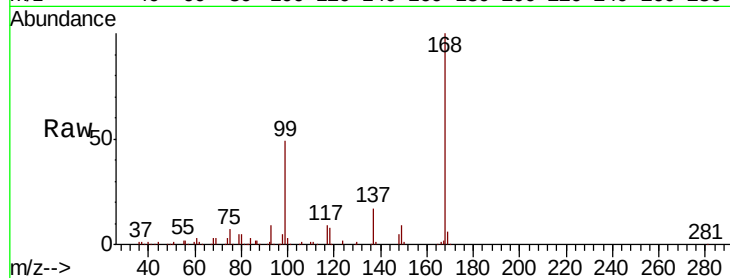
EP-14

Tgt Ion:168 Resp: 495298

Ion Ratio Lower Upper

168 100

99 49.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

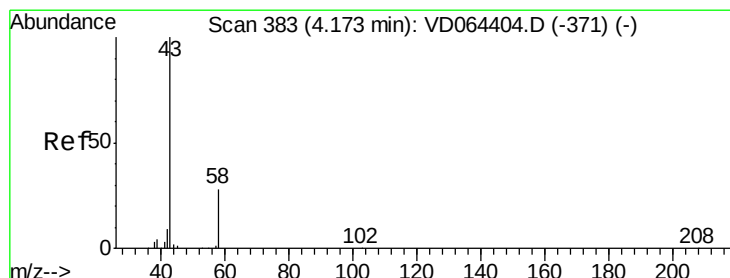
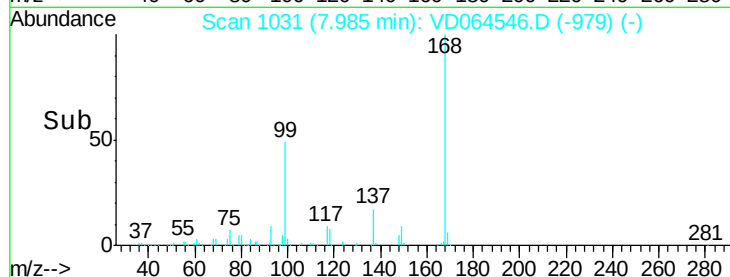
0

7.90

8.00

8.10

Time-->



#16

Acetone

Concen: 18.917 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064546.D

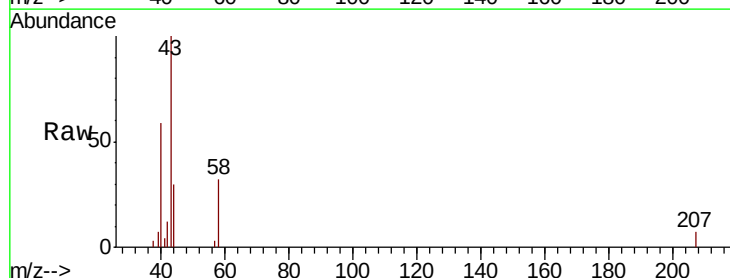
Acq: 17 Dec 2019 15:38

Tgt Ion: 43 Resp: 17138

Ion Ratio Lower Upper

43 100

58 32.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

5000

4000

3000

2000

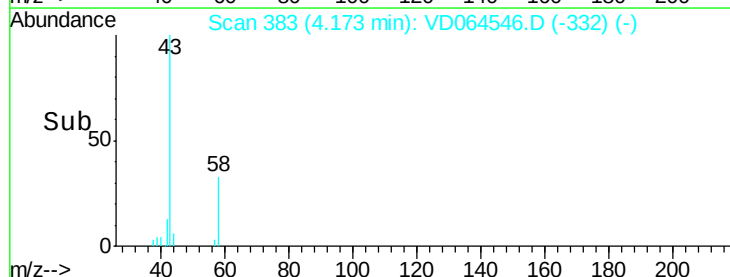
1000

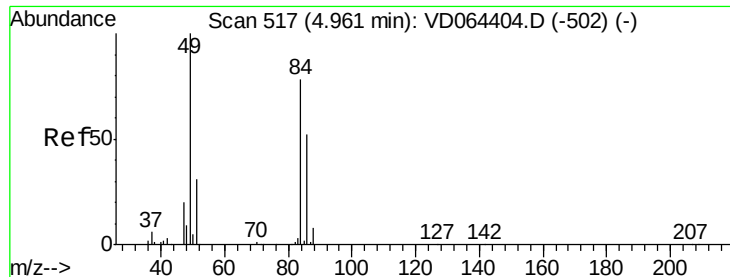
0

4.10

4.20

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064546.D

Acq: 17 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

EP-14

Tgt Ion: 84 Resp: 14234

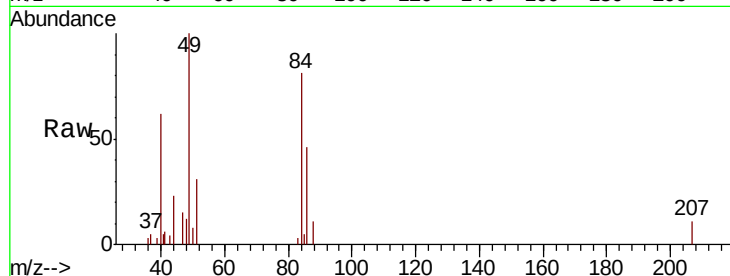
Ion Ratio Lower Upper

84 100

49 122.8 102.6 153.8

51 38.6 32.0 48.0

86 56.3 53.4 80.0

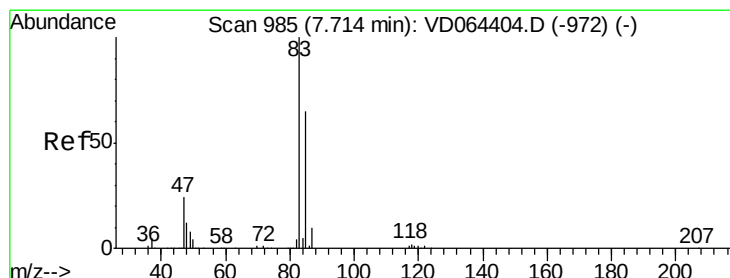
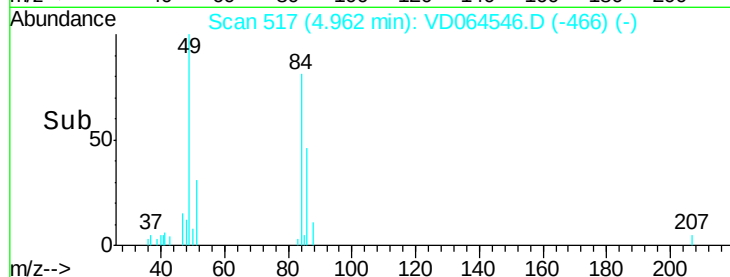
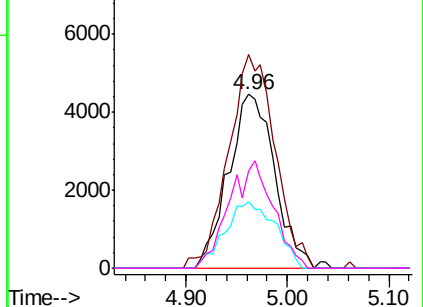


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#30

Chloroform

Concen: 1.892 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064546.D

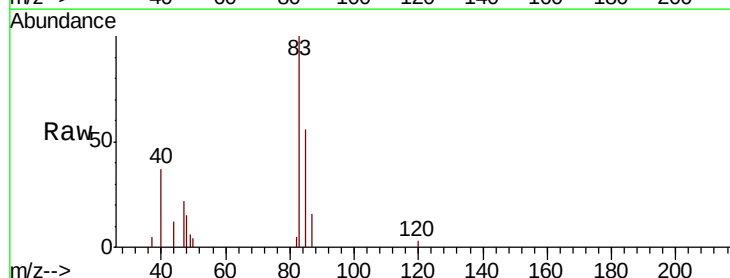
Acq: 17 Dec 2019 15:38

Tgt Ion: 83 Resp: 16205

Ion Ratio Lower Upper

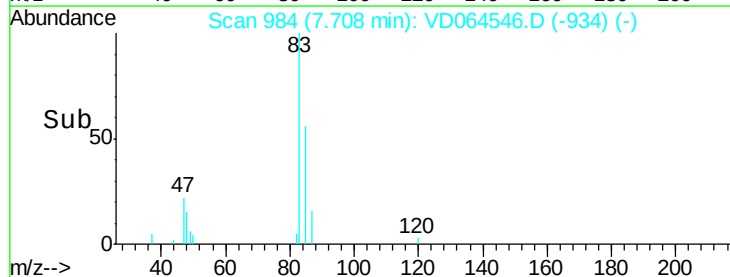
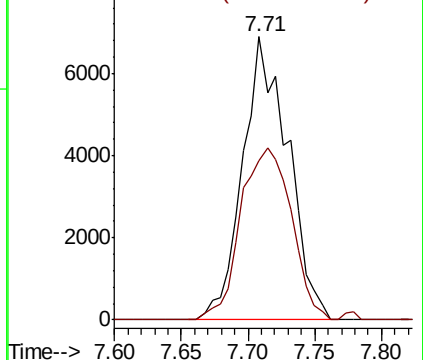
83 100

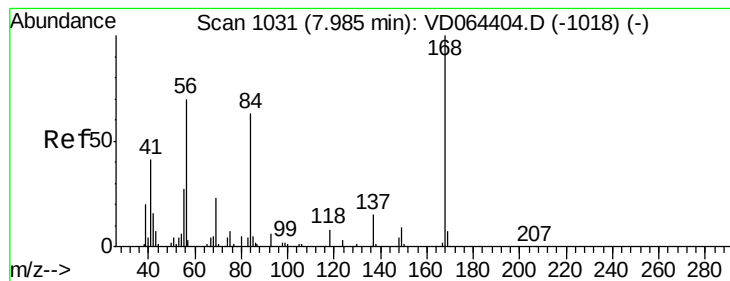
85 56.3 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064546.D

Acq: 17 Dec 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
EP-14

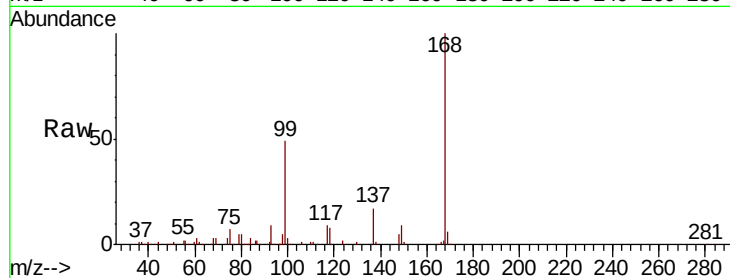
Tgt Ion: 56 Resp: 9690

Ion Ratio Lower Upper

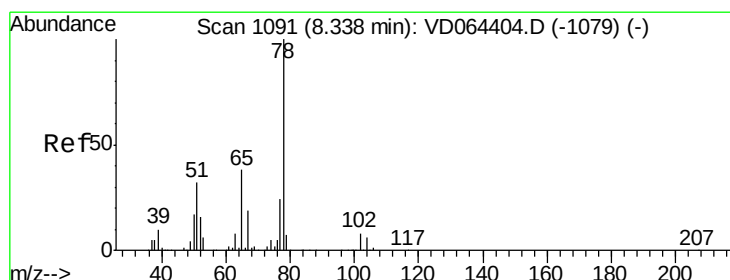
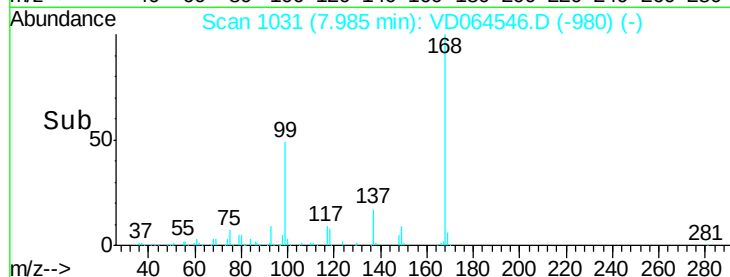
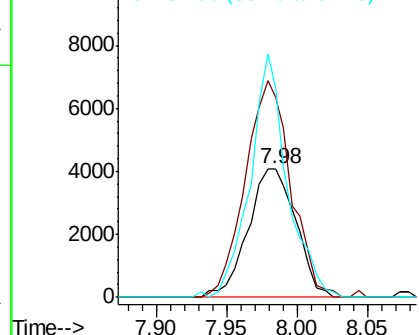
56 100

69 155.5 26.2 39.4#

84 162.6 70.3 105.5#



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: 47.346 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064546.D

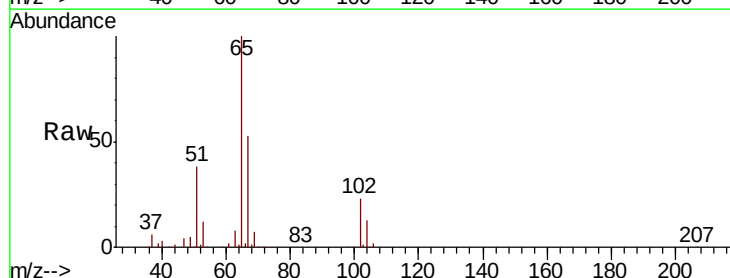
Acq: 17 Dec 2019 15:38

Tgt Ion: 65 Resp: 212260

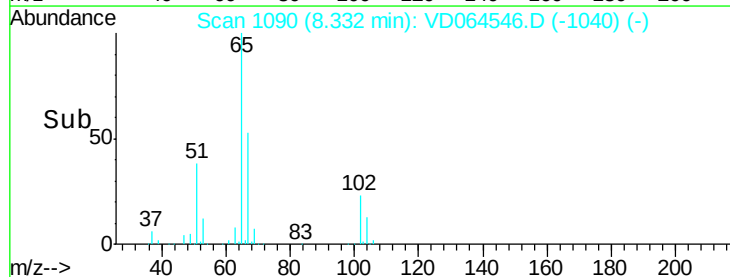
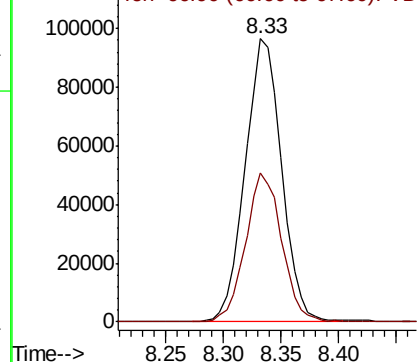
Ion Ratio Lower Upper

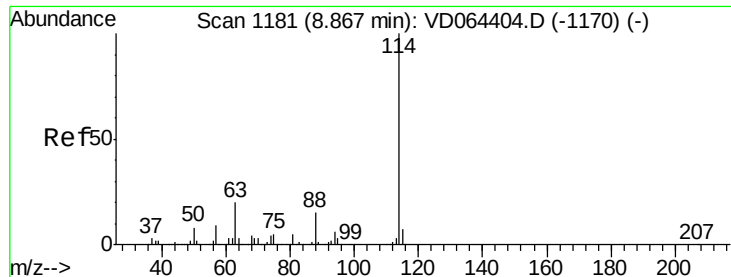
65 100

67 52.2 0.0 102.0



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

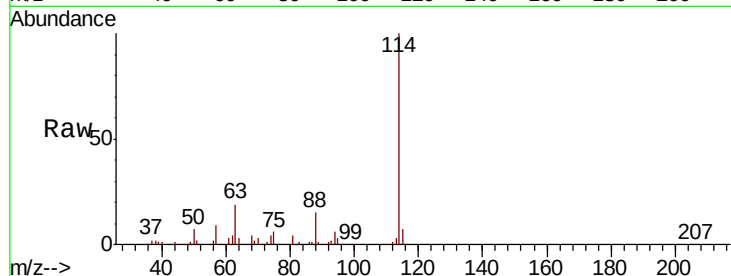




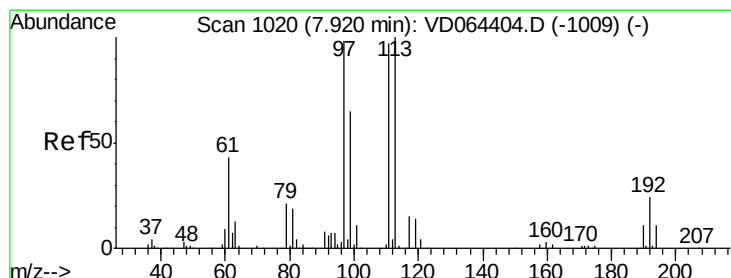
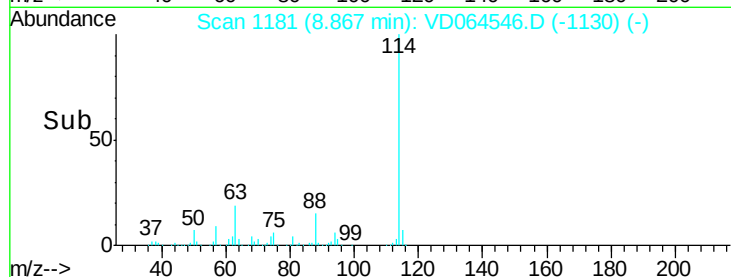
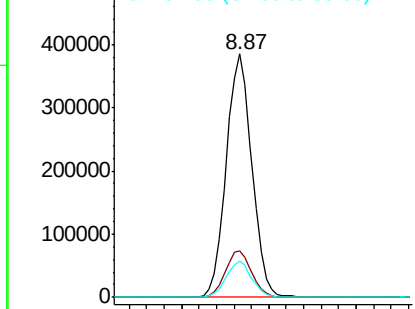
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064546.D
 Acq: 17 Dec 2019 15:38

Instrument :
 MSVOA_D
 ClientSampled :
 EP-14

Tgt Ion:114 Resp: 771604
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.1 0.0 29.2

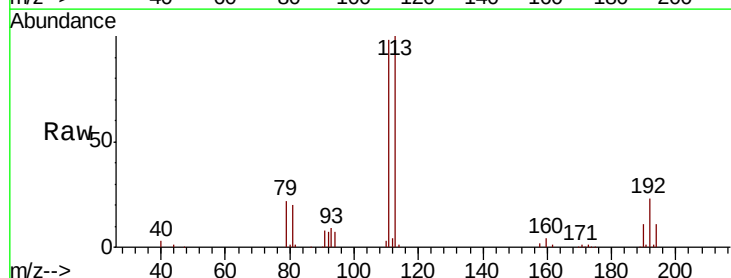


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

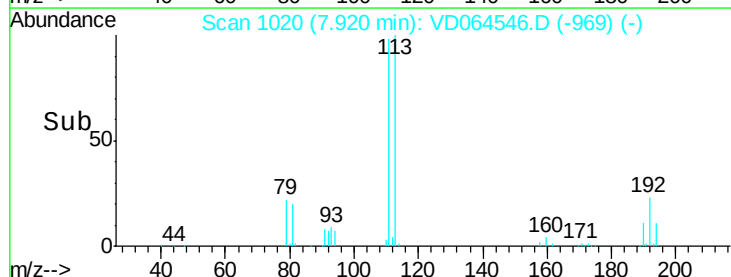
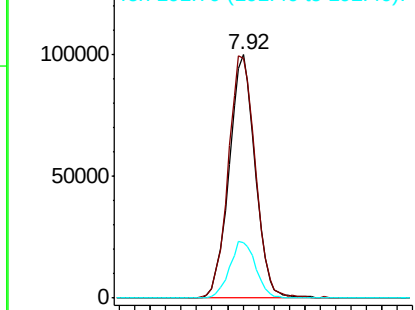


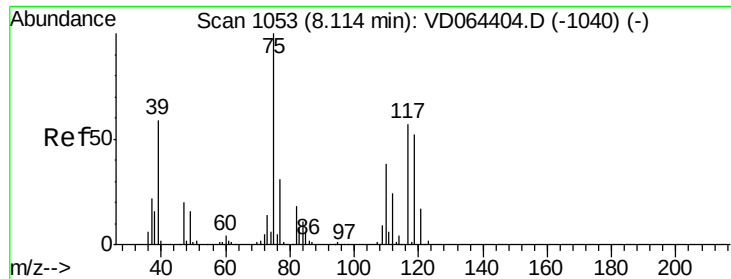
#35
 Dibromofluoromethane
 Concen: 48.573 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064546.D
 Acq: 17 Dec 2019 15:38

Tgt Ion:113 Resp: 236136
 Ion Ratio Lower Upper
 113 100
 111 103.3 79.4 119.2
 192 23.3 18.6 28.0



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

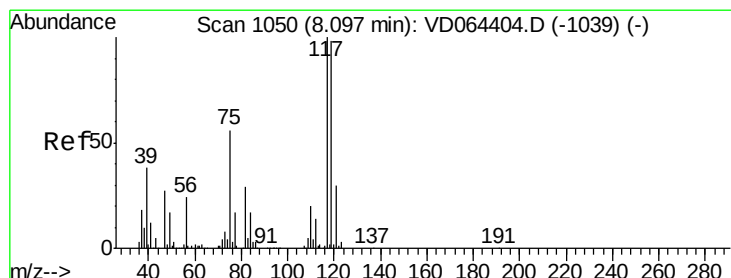
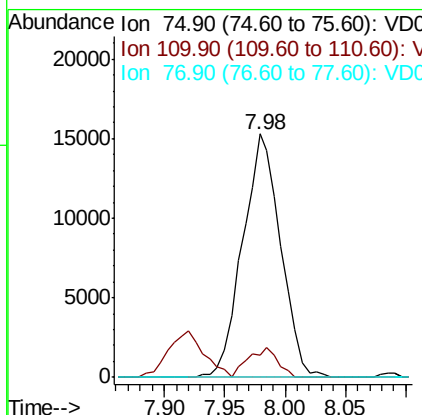
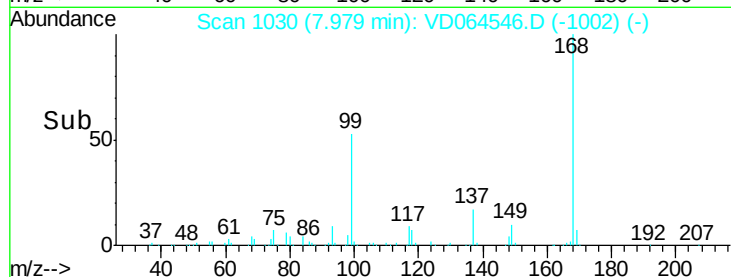
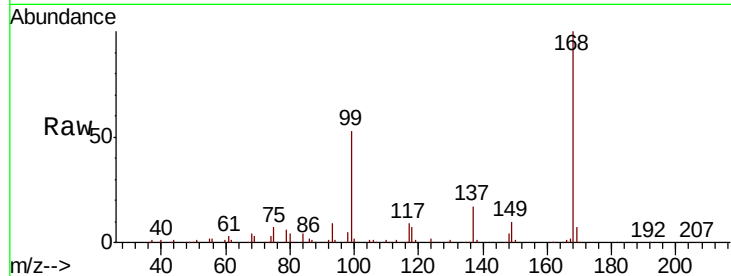




#36
 1,1-Dichloropropene
 Concen: 4.589 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064546.D
 Acq: 17 Dec 2019 15:38

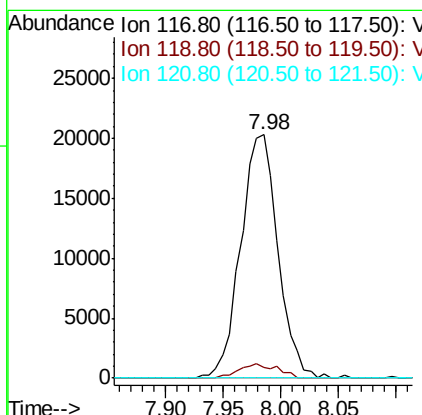
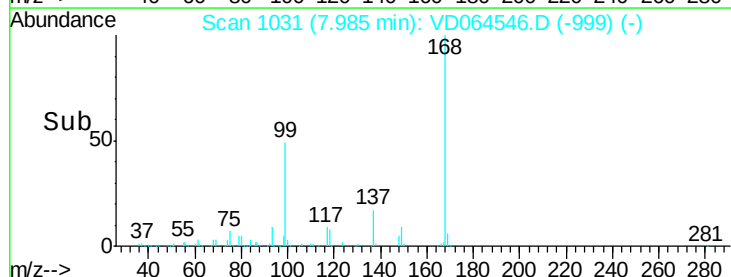
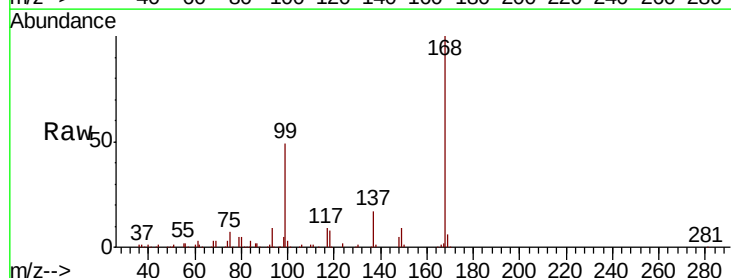
Instrument :
 MSVOA_D
 ClientSampled :
 EP-14

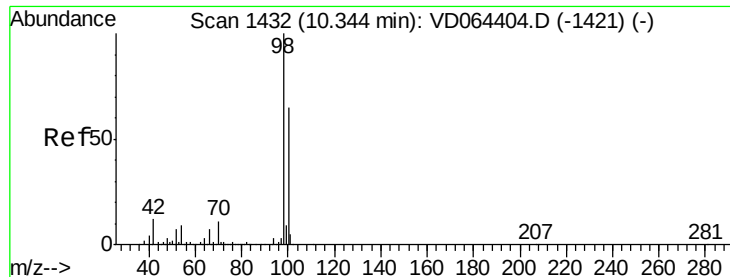
Tgt Ion: 75 Resp: 33493
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.6 55.8#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.910 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064546.D
 Acq: 17 Dec 2019 15:38

Tgt Ion: 117 Resp: 45521
 Ion Ratio Lower Upper
 117 100
 119 4.3 78.8 118.2#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 51.307 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064546.D

Acq: 17 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampled :

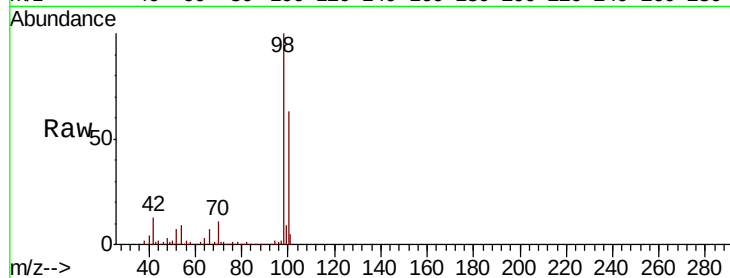
EP-14

Tgt Ion: 98 Resp: 939573

Ion Ratio Lower Upper

98 100

100 64.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

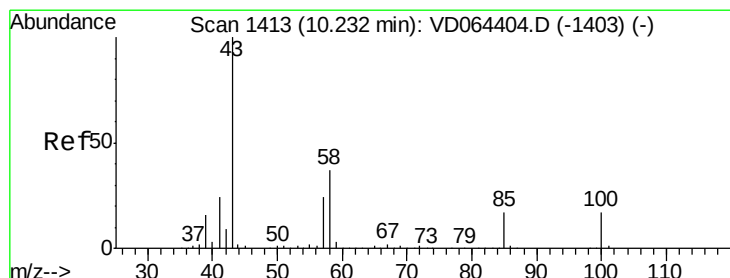
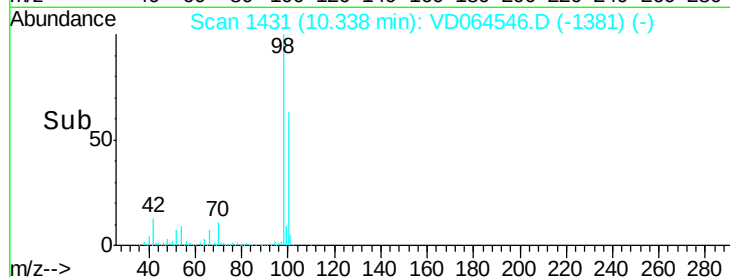
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.535 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD064546.D

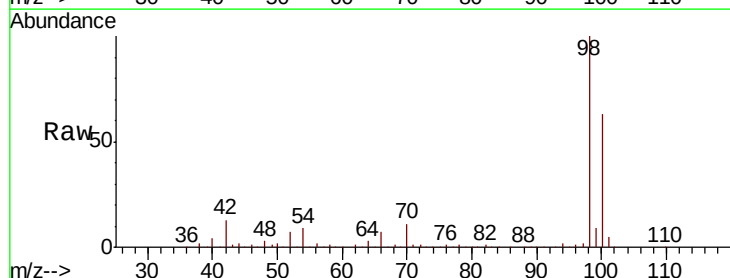
Acq: 17 Dec 2019 15:38

Tgt Ion: 43 Resp: 4625

Ion Ratio Lower Upper

43 100

58 175.7 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

5000

4000

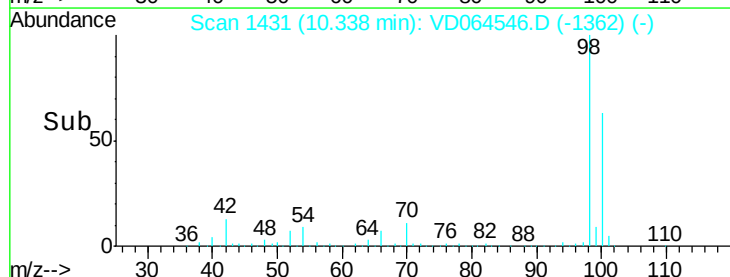
3000

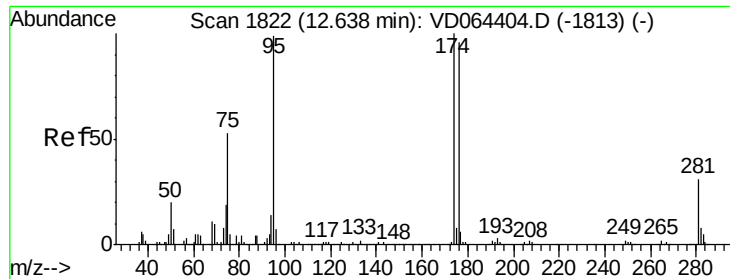
2000

1000

0

Time-->

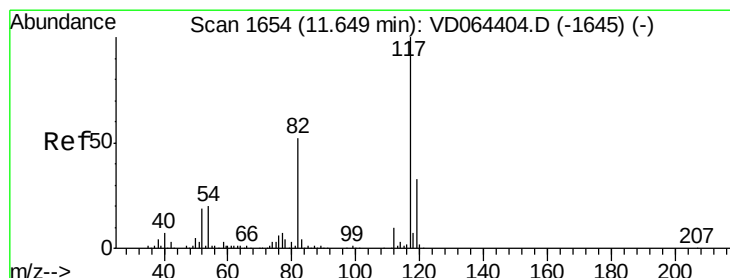
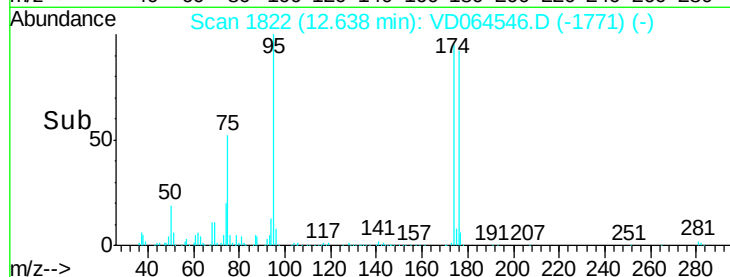
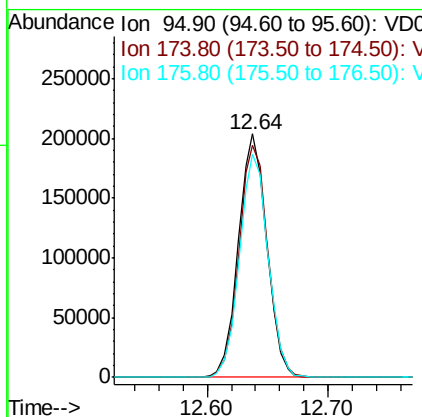
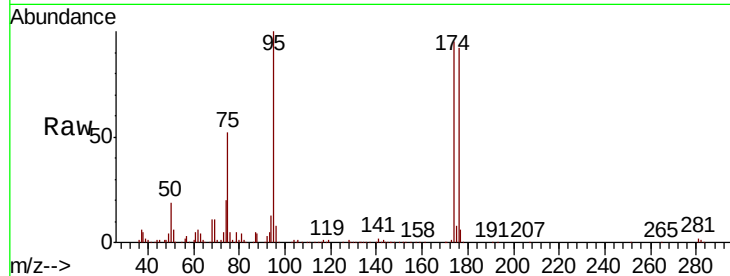




#62
4-Bromofluorobenzene
Concen: 56.506 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064546.D
Acq: 17 Dec 2019 15:38

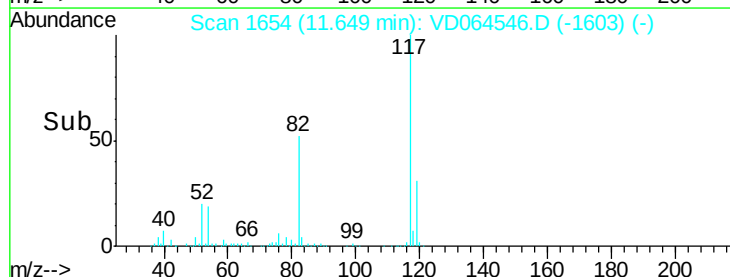
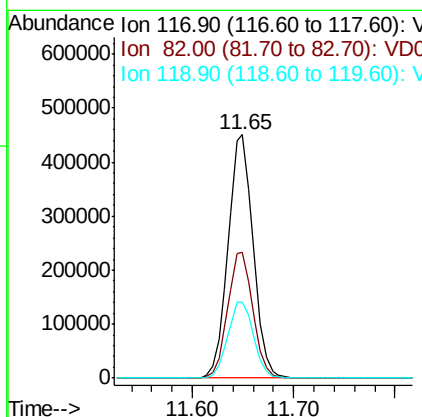
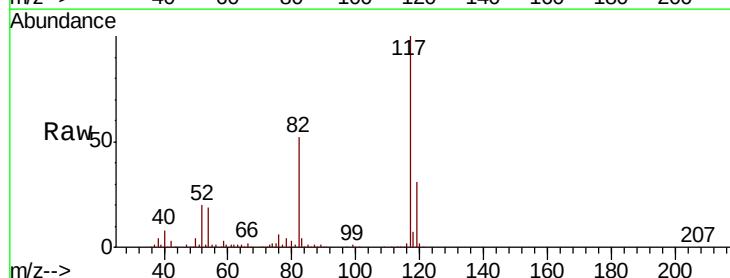
Instrument :
MSVOA_D
ClientSampled :
EP-14

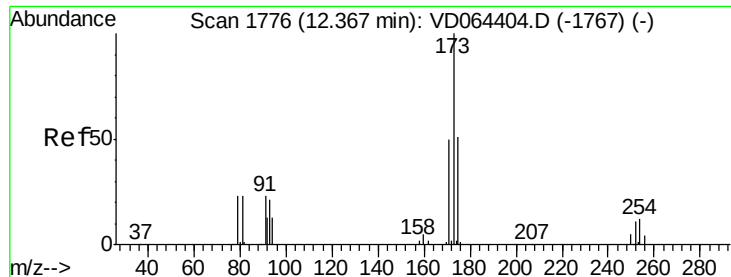
Tgt Ion: 95 Resp: 332551
Ion Ratio Lower Upper
95 100
174 97.3 0.0 197.2
176 93.1 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064546.D
Acq: 17 Dec 2019 15:38

Tgt Ion: 117 Resp: 772152
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 31.4 26.2 39.2





#71

Bromoform

Concen: 1.008 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064546.D

Acq: 17 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampled :

EP-14

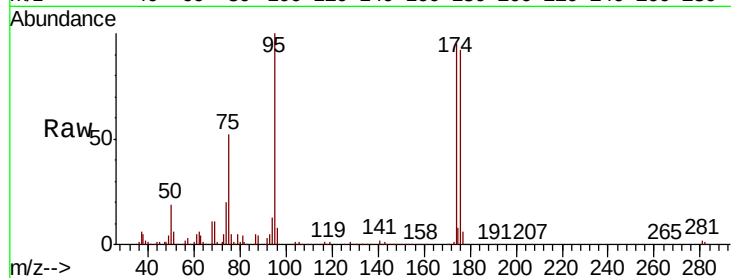
Tgt Ion:173 Resp: 3597

Ion Ratio Lower Upper

173 100

175 578.3 25.3 75.8#

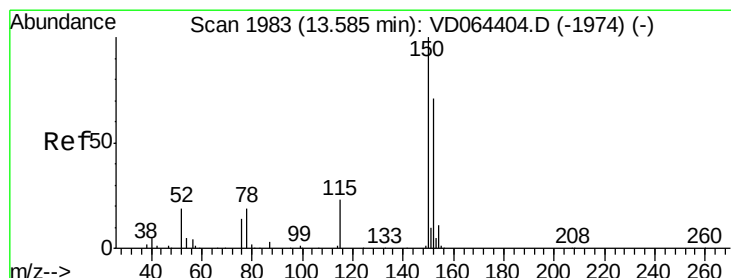
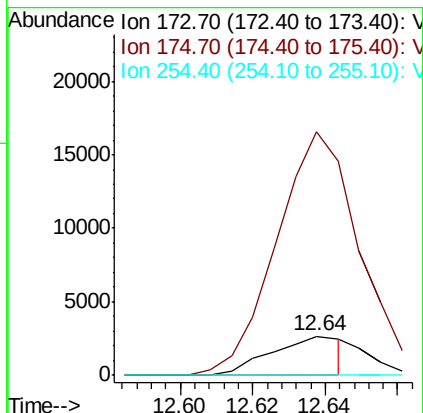
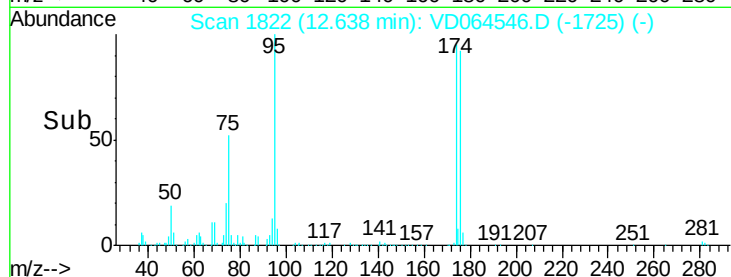
254 0.0 0.0 0.0



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: VD064546.D

Acq: 17 Dec 2019 15:38

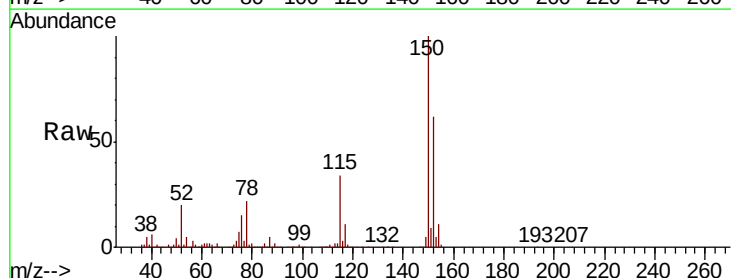
Tgt Ion:152 Resp: 387405

Ion Ratio Lower Upper

152 100

115 53.7 26.7 80.1

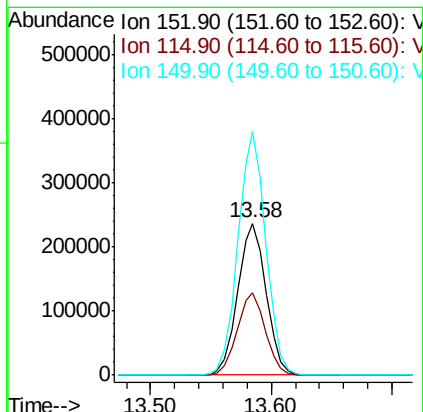
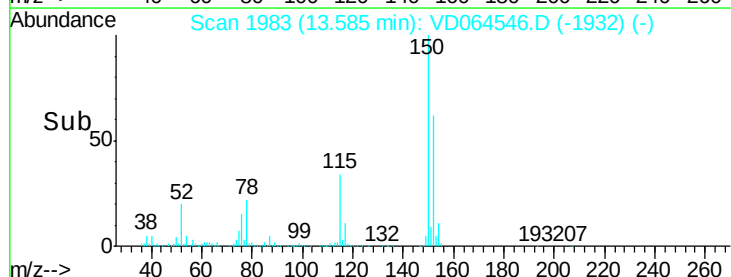
150 156.9 0.0 347.2

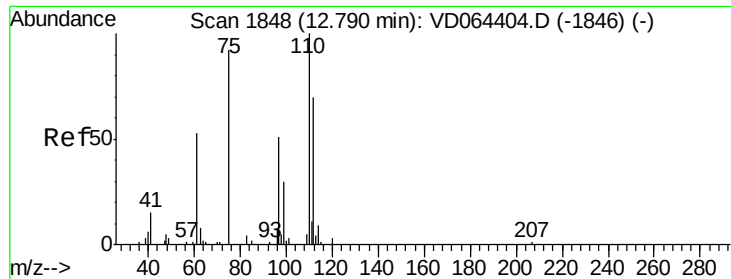


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

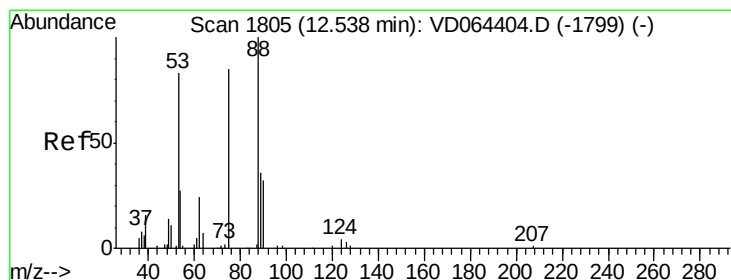
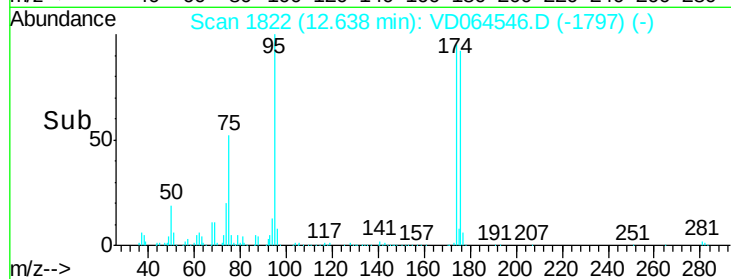
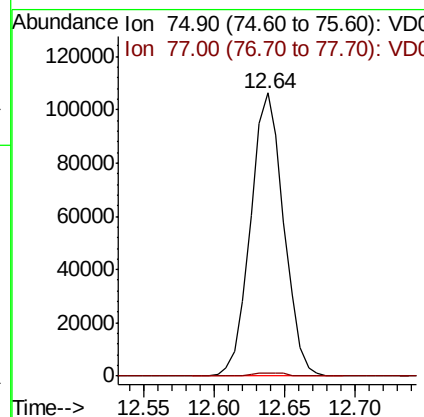
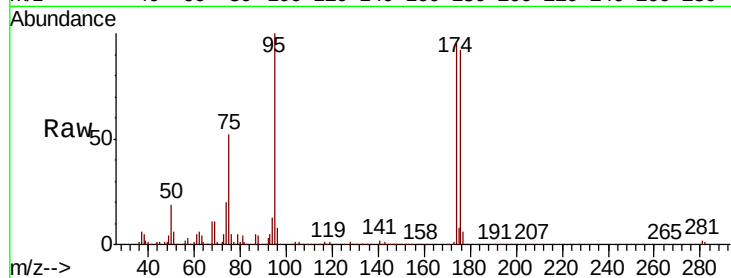




#76
 1,2,3-Trichloropropane
 Concen: 54.998 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064546.D
 Acq: 17 Dec 2019 15:38

Instrument :
 MSVOA_D
 ClientSampled :
 EP-14

Tgt Ion: 75 Resp: 175219
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.925 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD064546.D
 Acq: 17 Dec 2019 15:38

Tgt Ion: 75 Resp: 175219
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.6#
 89 0.0 38.5 57.7#

