

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064512.D
 Acq On : 13 Dec 2019 17:48
 Operator : VA/SY
 Sample : K6267-02
 Misc : 2.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WO-4

Quant Time: Dec 13 22:53:49 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	411233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	622472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	574510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271394	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	149077	40.05	ug/l	0.00
Spiked Amount			Recovery	=	80.10%	
35) Dibromofluoromethane	7.92	113	180897	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
50) Toluene-d8	10.34	98	734695	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.64	95	240106	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

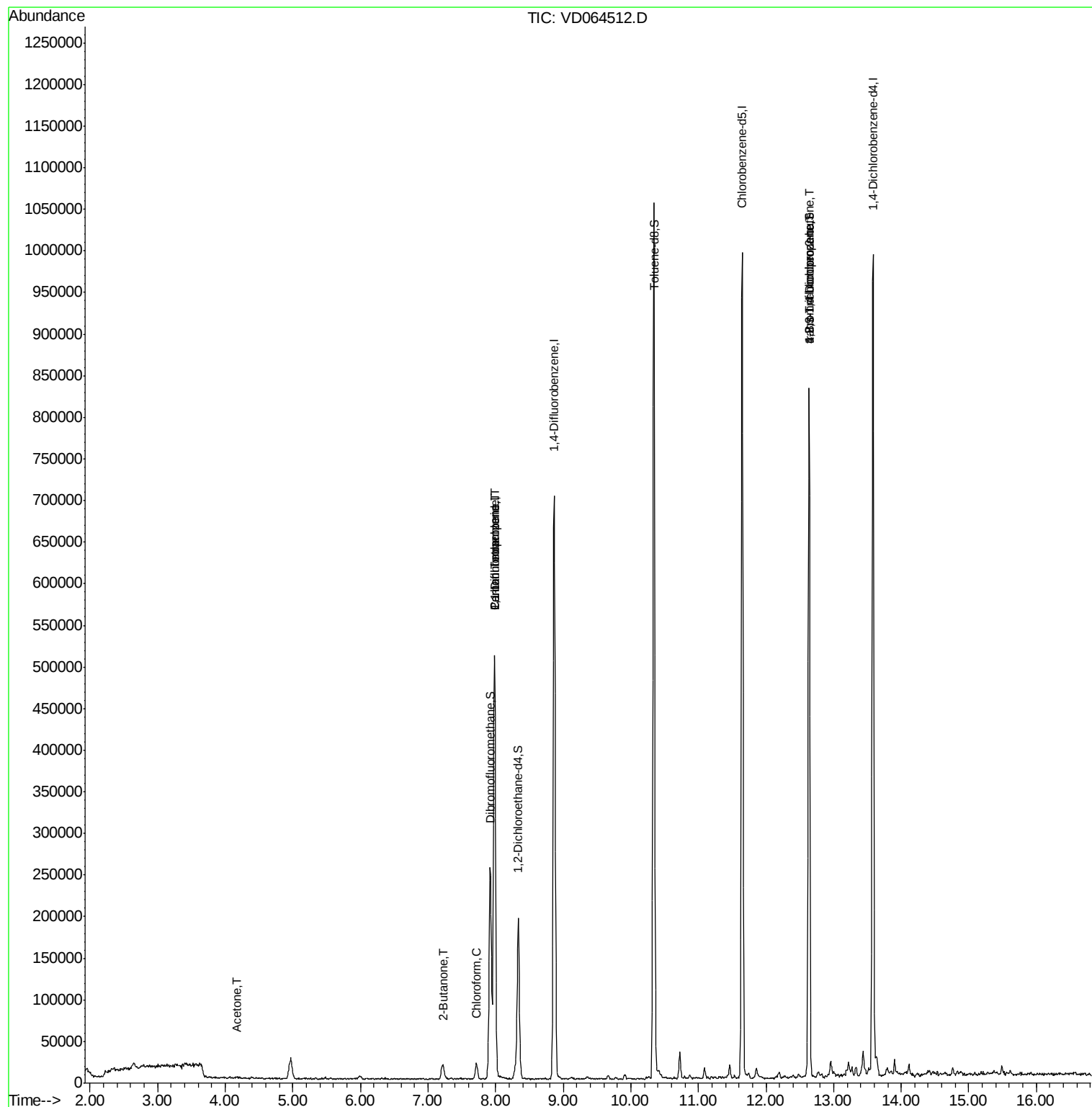
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	2563	3.407	ug/l	96
25) 2-Butanone	7.23	43	1410	1.325	ug/l #	49
30) Chloroform	7.71	83	17712	2.490	ug/l	92
31) Cyclohexane	7.98	56	8734	Below Cal	#	20
36) 1,1-Dichloropropene	7.98	75	29189	4.958	ug/l #	47
38) Carbon Tetrachloride	7.98	117	38518	6.199	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	126353	56.613	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	126353	123.447	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	135	Below Cal	#	1

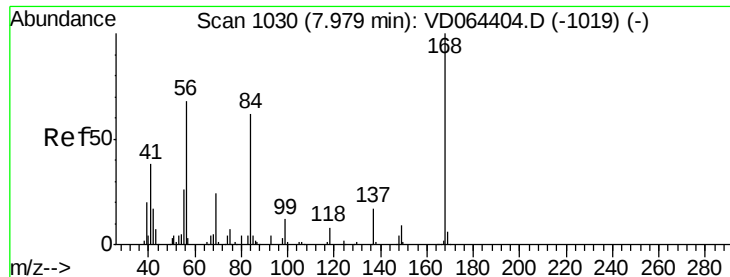
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
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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: VD064512.D

Acq: 13 Dec 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

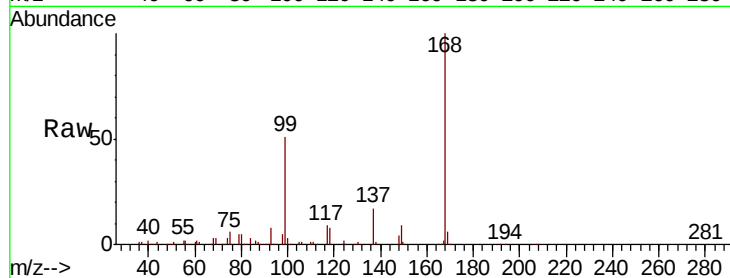
WO-4

Tgt Ion:168 Resp: 411233

Ion Ratio Lower Upper

168 100

99 50.7 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

200000

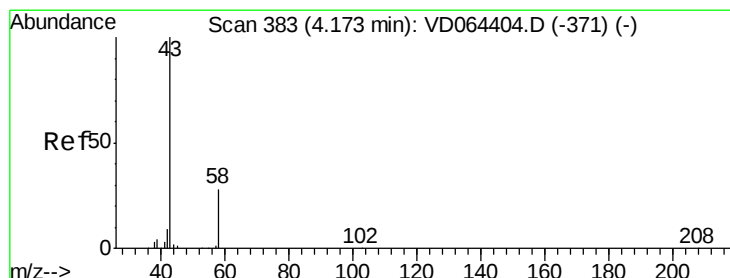
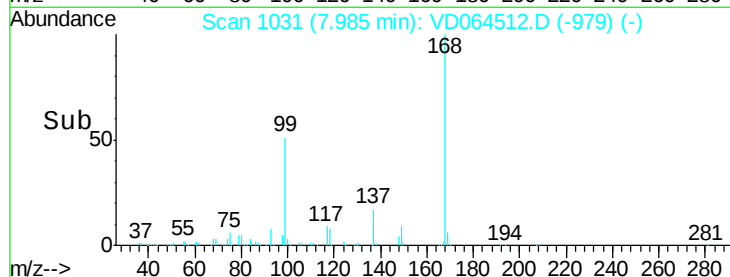
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.407 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064512.D

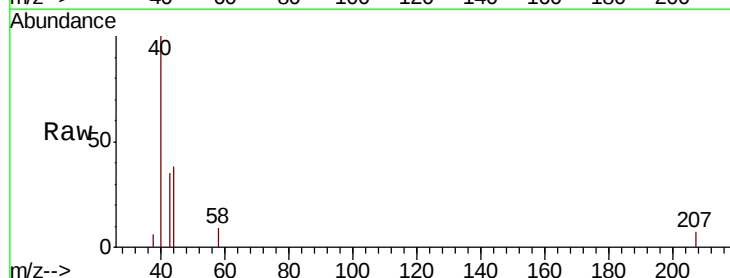
Acq: 13 Dec 2019 17:48

Tgt Ion: 43 Resp: 2563

Ion Ratio Lower Upper

43 100

58 25.9 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

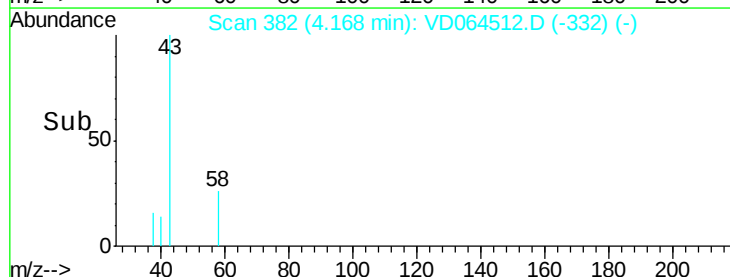
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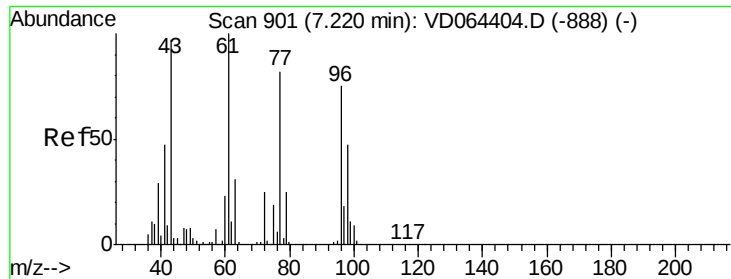
1000

500

0

Time-->





#25

2-Butanone

Concen: 1.325 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064512.D

Acq: 13 Dec 2019 17:48

Instrument :

MSVOA_D

ClientSampled :

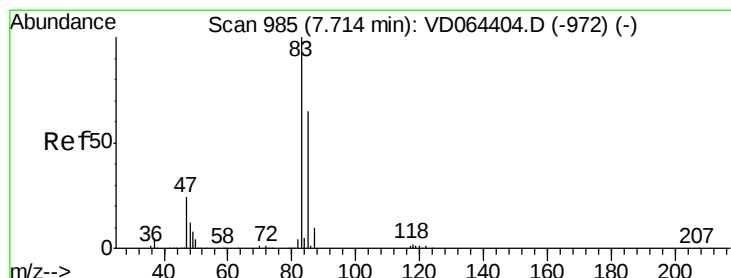
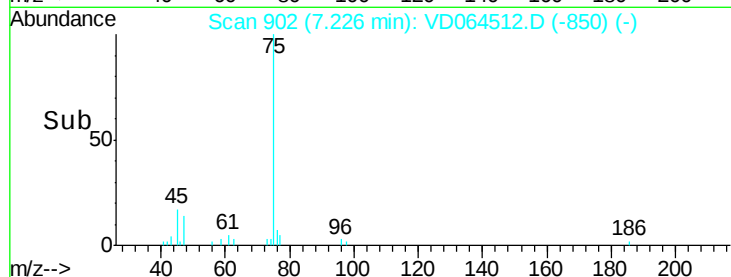
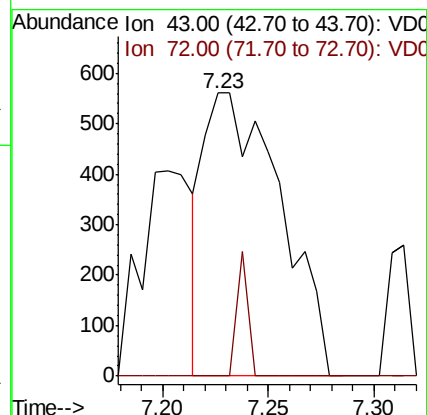
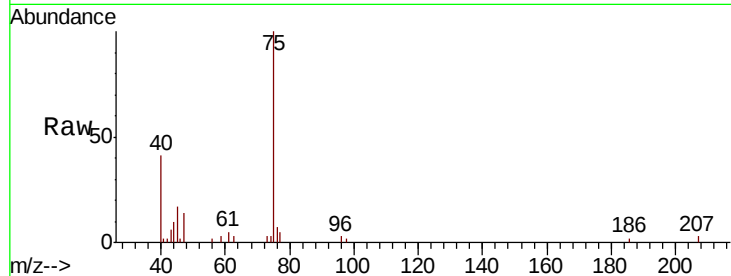
WO-4

Tgt Ion: 43 Resp: 1410

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#30

Chloroform

Concen: 2.490 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064512.D

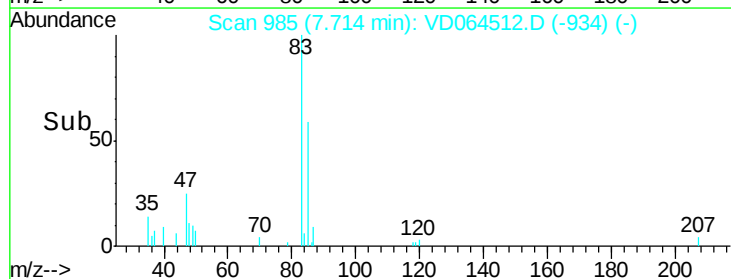
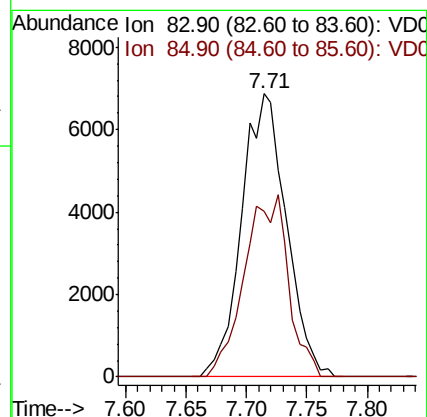
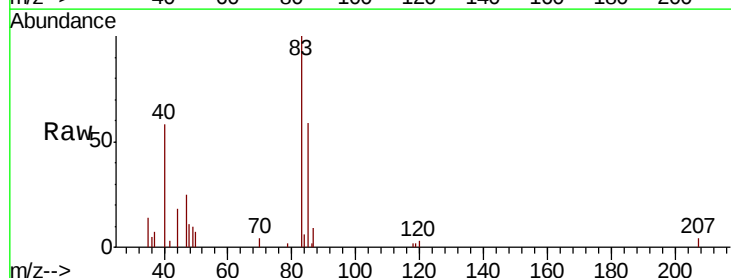
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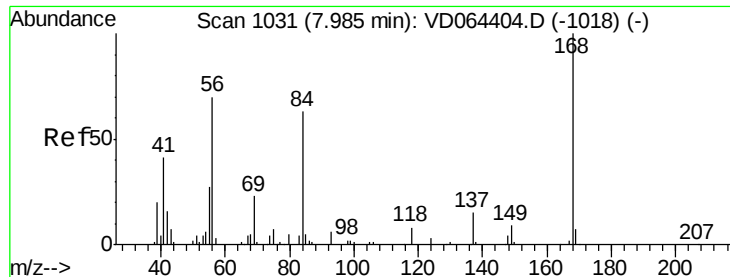
Tgt Ion: 83 Resp: 17712

Ion Ratio Lower Upper

83 100

85 58.6 51.8 77.6

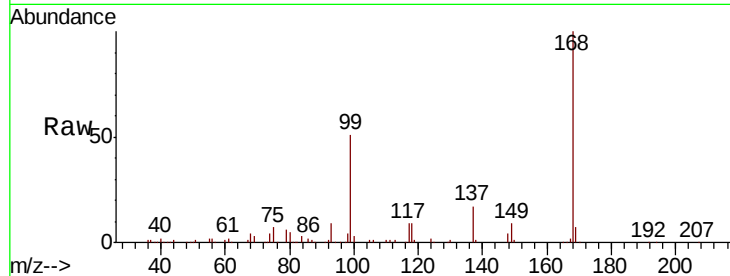




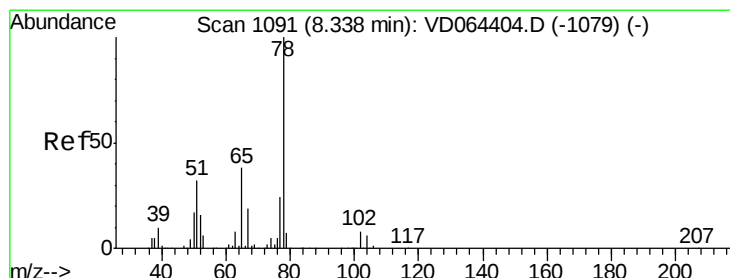
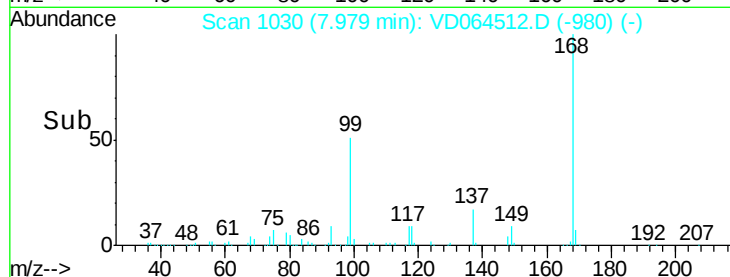
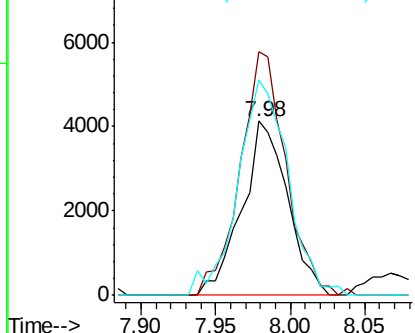
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064512.D
Acq: 13 Dec 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
WO-4

Tgt Ion: 56 Resp: 8734
Ion Ratio Lower Upper
56 100
69 139.7 26.2 39.4#
84 123.8 70.3 105.5#

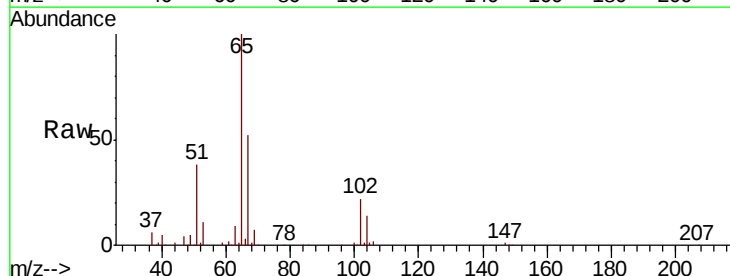


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

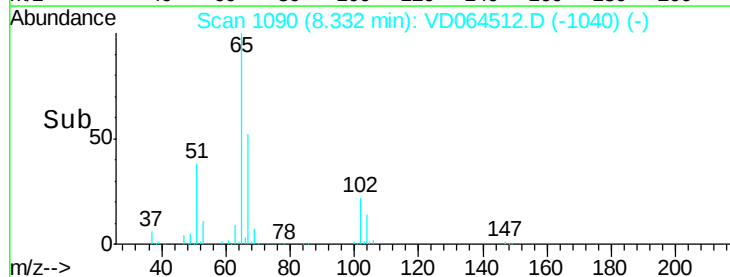
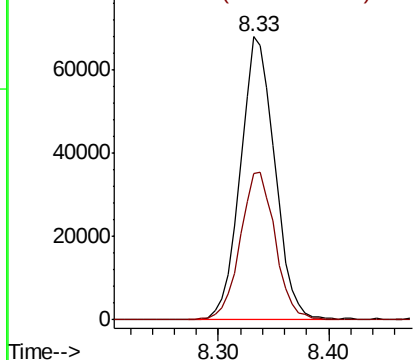


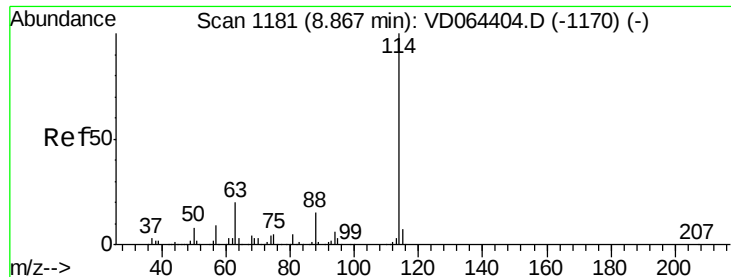
#33
1,2-Dichloroethane-d4
Concen: 40.050 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064512.D
Acq: 13 Dec 2019 17:48

Tgt Ion: 65 Resp: 149077
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.0



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

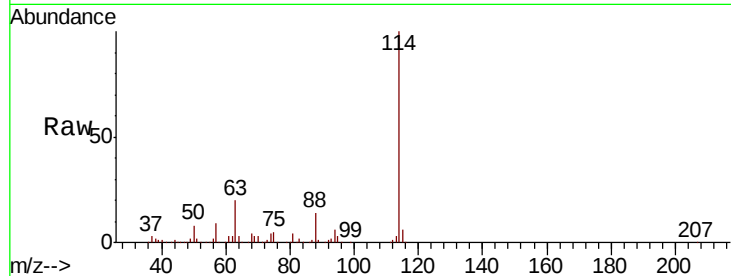




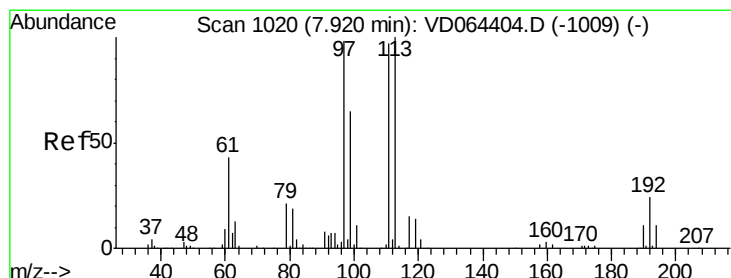
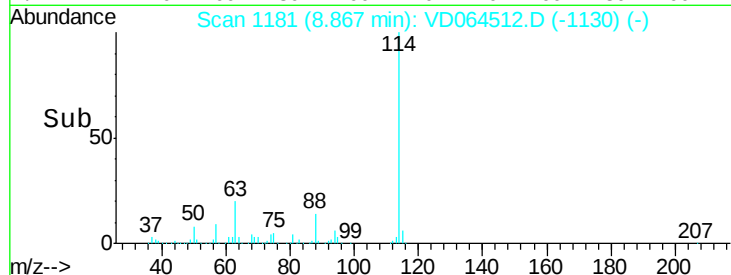
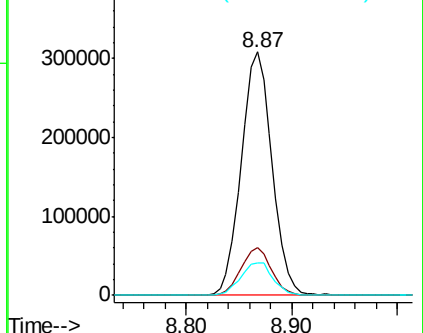
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064512.D
 Acq: 13 Dec 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
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Tgt Ion:114 Resp: 622472
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 13.6 0.0 29.2

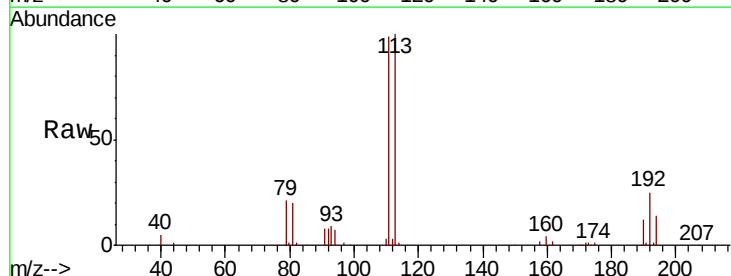


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

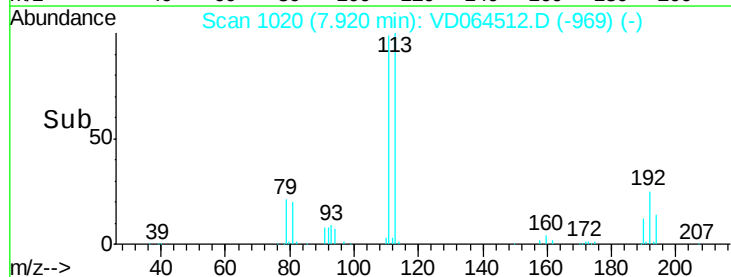
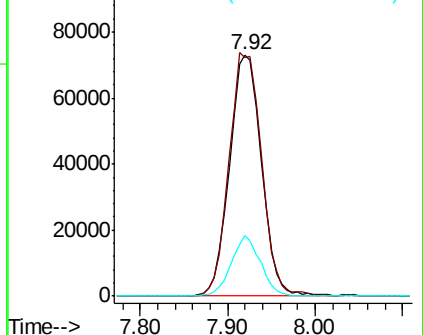


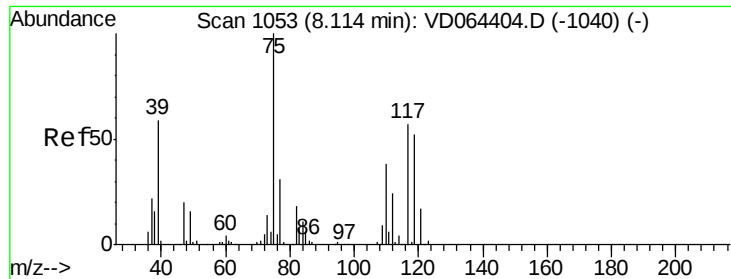
#35
 Dibromofluoromethane
 Concen: 46.125 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064512.D
 Acq: 13 Dec 2019 17:48

Tgt Ion:113 Resp: 180897
 Ion Ratio Lower Upper
 113 100
 111 102.6 79.4 119.2
 192 23.1 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

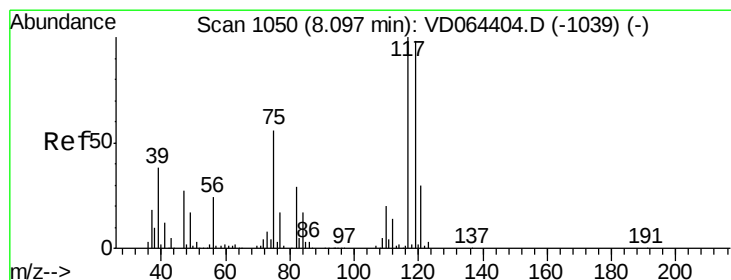
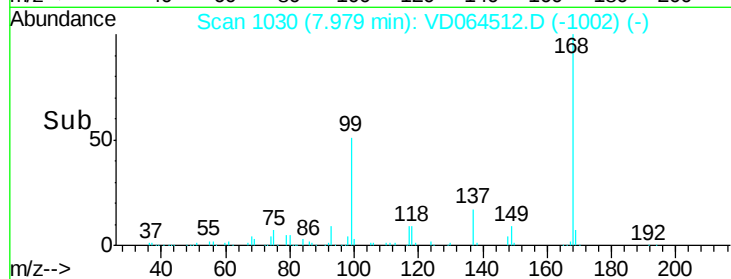
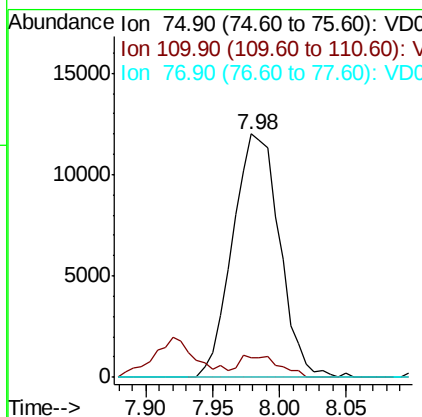
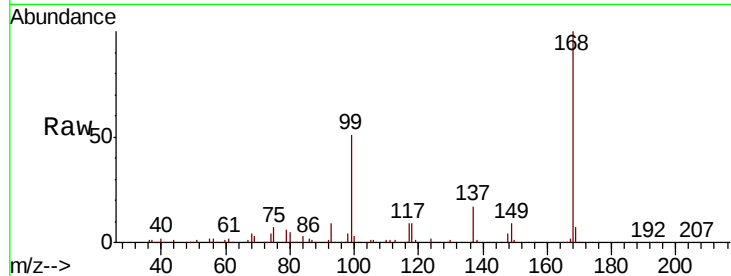




#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064512.D
 Acq: 13 Dec 2019 17:48

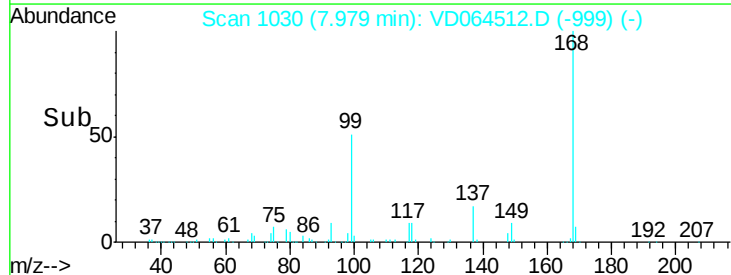
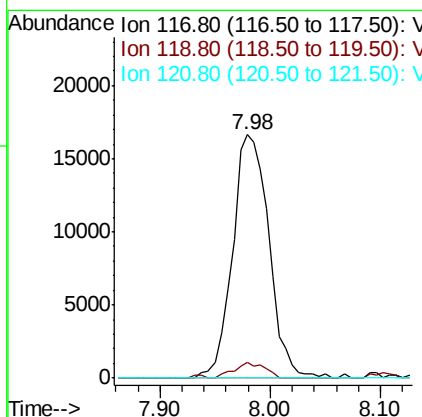
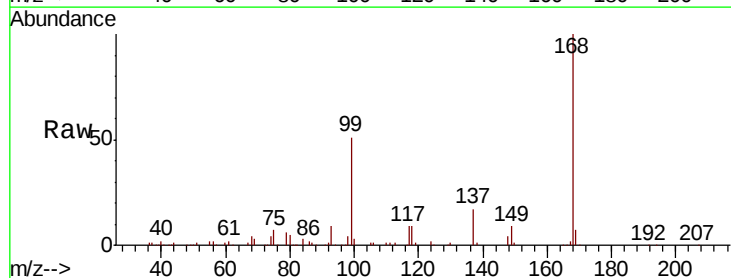
Instrument :
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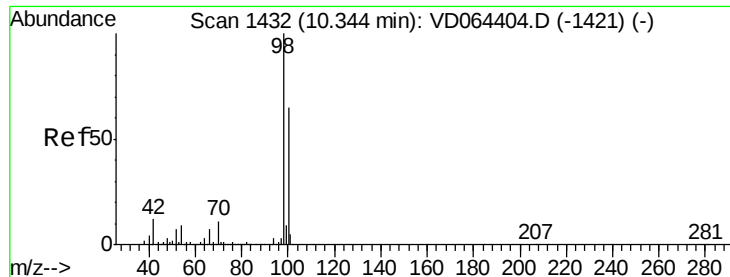
Tgt Ion: 75 Resp: 29189
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.6 55.8#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.199 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064512.D
 Acq: 13 Dec 2019 17:48

Tgt Ion: 117 Resp: 38518
 Ion Ratio Lower Upper
 117 100
 119 6.2 78.8 118.2#
 121 0.0 24.2 36.2#

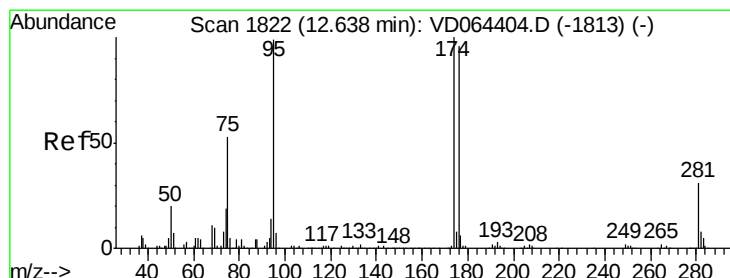
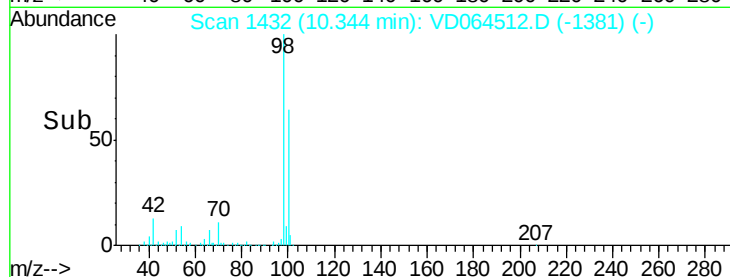
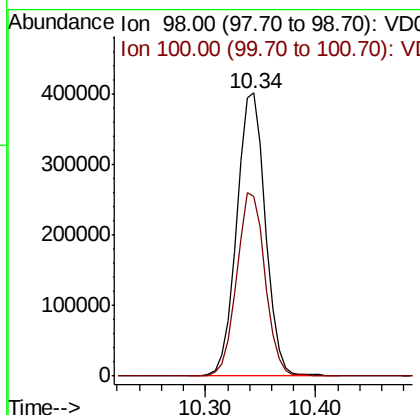
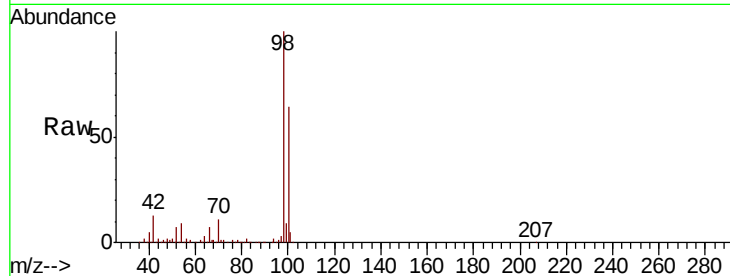




#50
Toluene-d8
Concen: 49.731 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064512.D
Acq: 13 Dec 2019 17:48

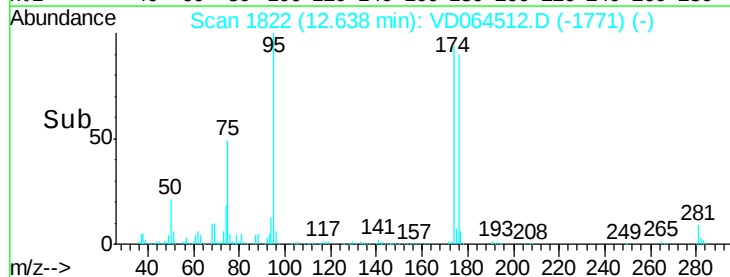
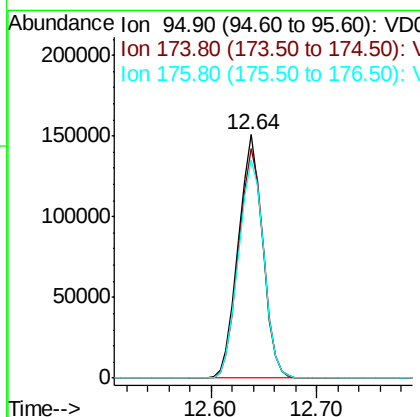
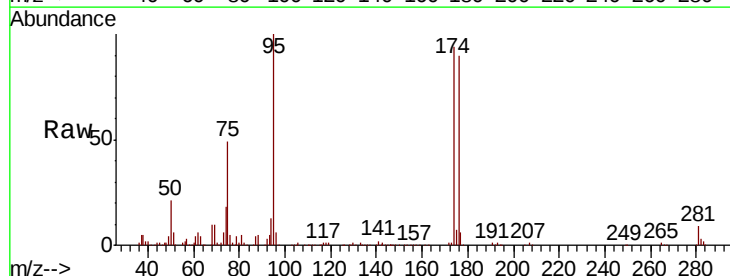
Instrument :
MSVOA_D
ClientSampled :
WO-4

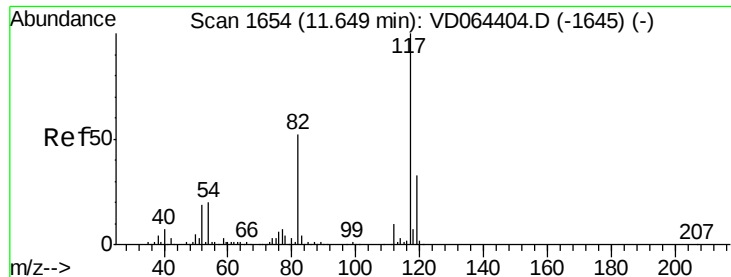
Tgt Ion: 98 Resp: 734695
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 50.573 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064512.D
Acq: 13 Dec 2019 17:48

Tgt Ion: 95 Resp: 240106
Ion Ratio Lower Upper
95 100
174 96.2 0.0 197.2
176 93.5 0.0 189.6

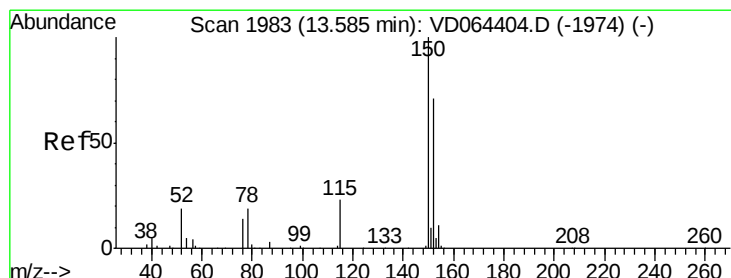
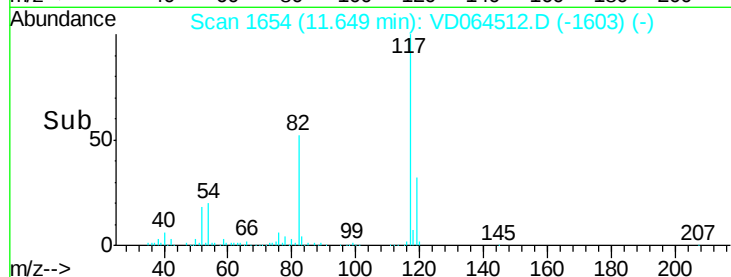
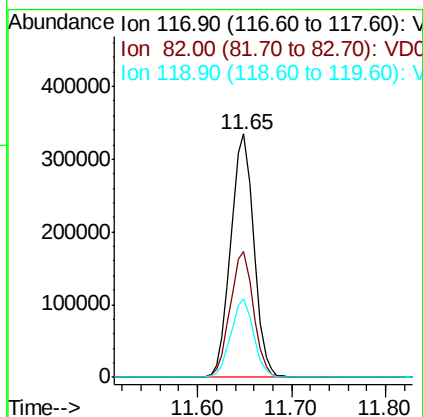
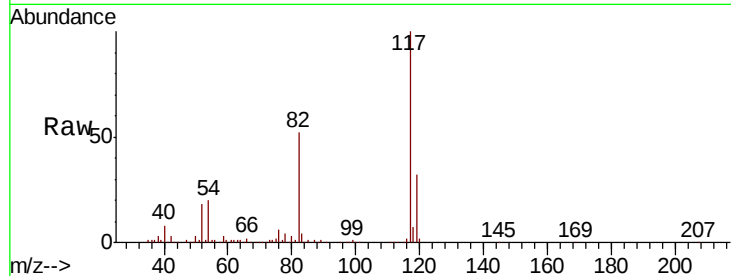




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064512.D
Acq: 13 Dec 2019 17:48

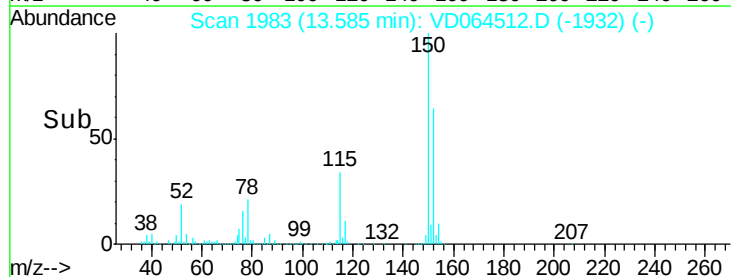
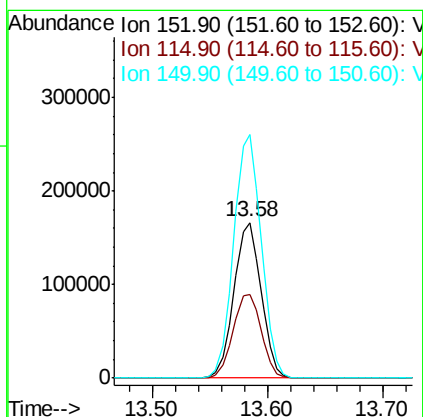
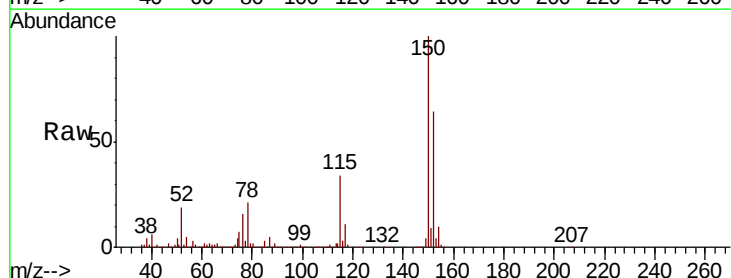
Instrument :
MSVOA_D
ClientSampled :
WO-4

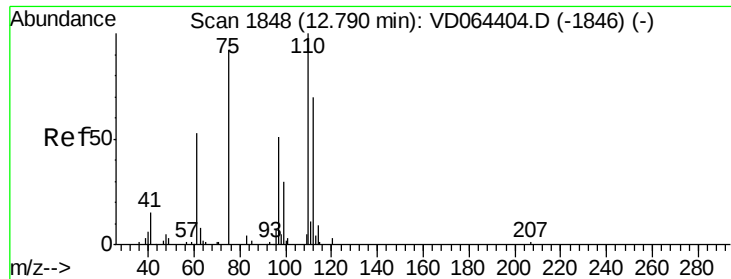
Tgt Ion:117 Resp: 574510
Ion Ratio Lower Upper
117 100
82 51.9 41.4 62.2
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064512.D
Acq: 13 Dec 2019 17:48

Tgt Ion:152 Resp: 271394
Ion Ratio Lower Upper
152 100
115 56.2 26.7 80.1
150 158.5 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 56.613 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064512.D

Acq: 13 Dec 2019 17:48

Instrument :

MSVOA_D

ClientSampled :

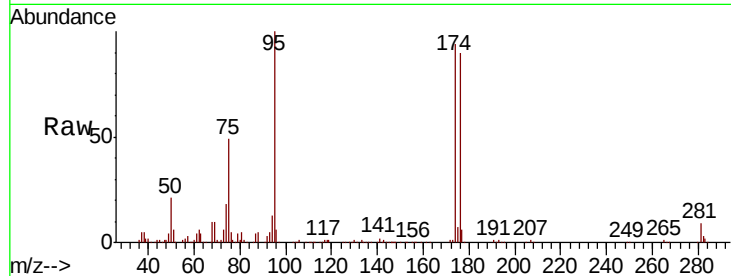
WO-4

Tgt Ion: 75 Resp: 126353

Ion Ratio Lower Upper

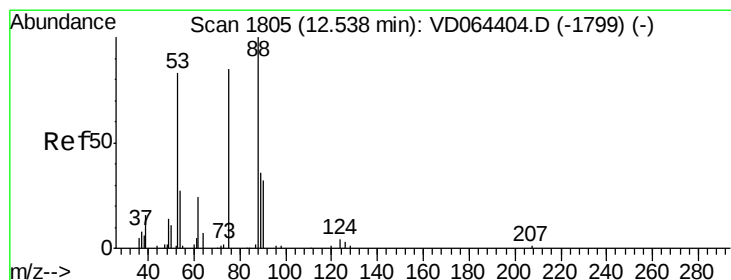
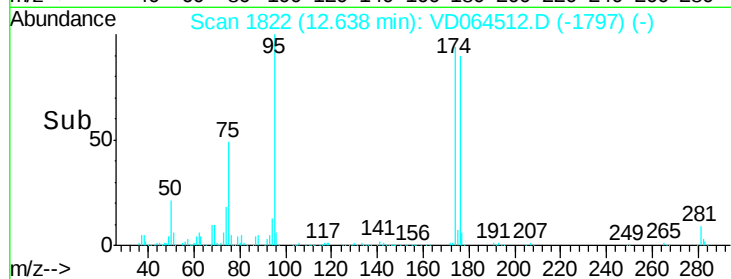
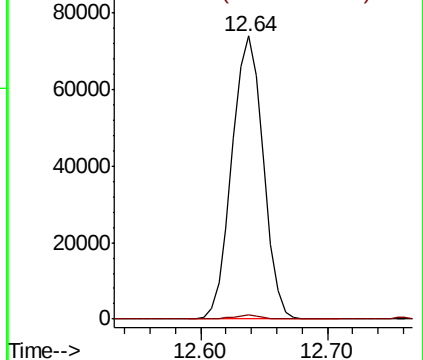
75 100

77 1.3 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: 123.447 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064512.D

Acq: 13 Dec 2019 17:48

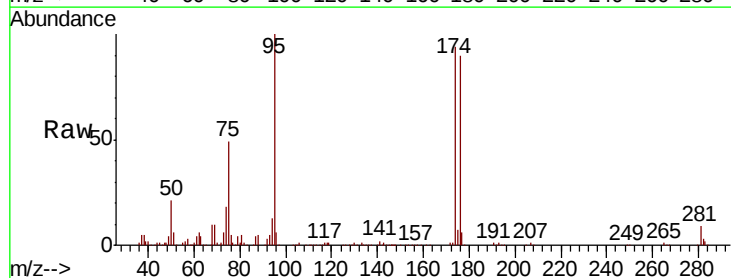
Tgt Ion: 75 Resp: 126353

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

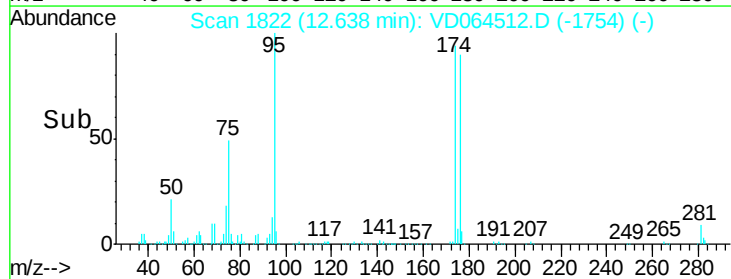
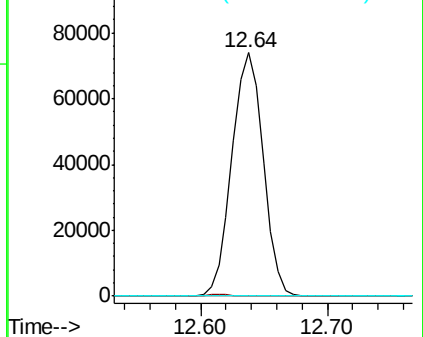
89 0.0 38.5 57.7#

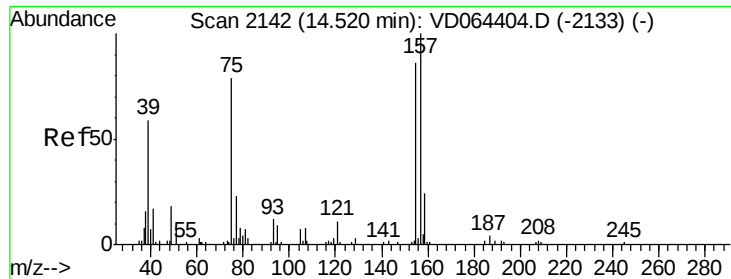


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064512.D
 Acq: 13 Dec 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 WO-4

Tgt Ion: 75 Resp: 135
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.9 155.7#
 157 0.0 63.2 189.8#

