

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064738.D
 Acq On : 03 Jan 2020 17:03
 Operator : VA/SY
 Sample : K6472-05
 Misc : 8.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:47:46 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

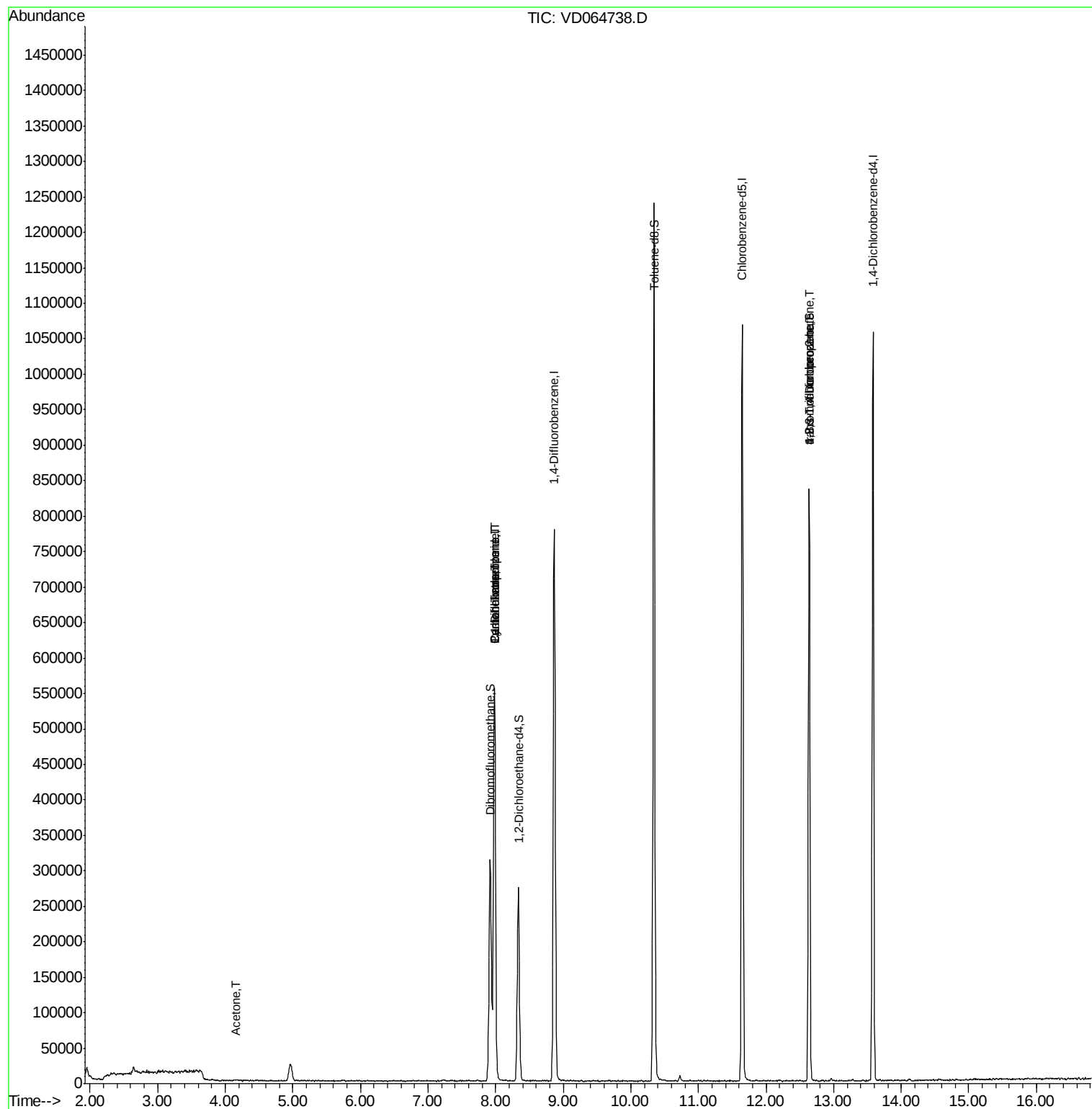
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	432167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	674539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	275489	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	214547	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	
35) Dibromofluoromethane	7.92	113	214300	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
50) Toluene-d8	10.34	98	815014	51.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.64	95	245173	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
Target Compounds						
16) Acetone	4.16	43	3093	7.582	ug/l #	85
20) Methylene Chloride	4.97	84	18142	Below Cal		98
31) Cyclohexane	7.98	56	9538	1.342	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	32328	4.979	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42456	6.133	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	131232	60.325	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	131232	126.167	ug/l #	10

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064738.D

Acq: 03 Jan 2020 17:03

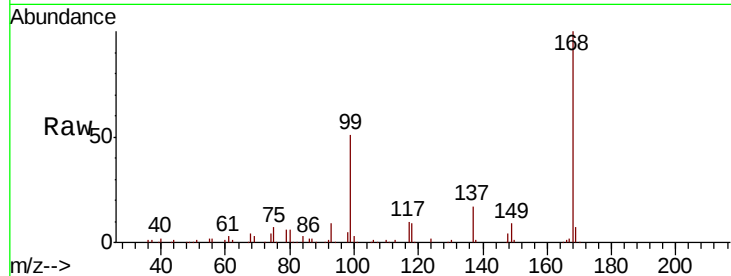
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 432167

Ion Ratio Lower Upper

168 100

99 50.5 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

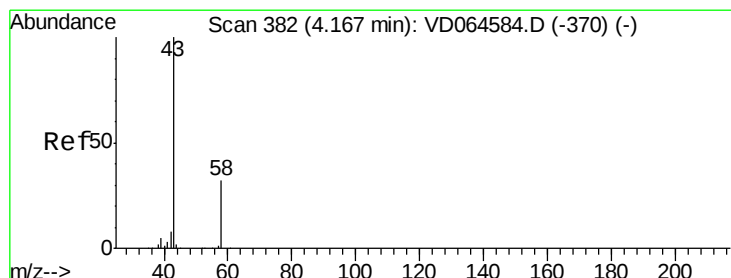
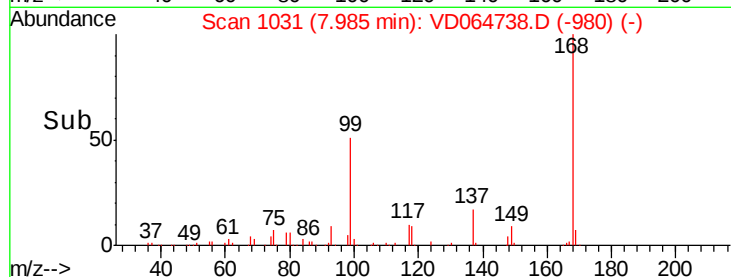
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.582 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064738.D

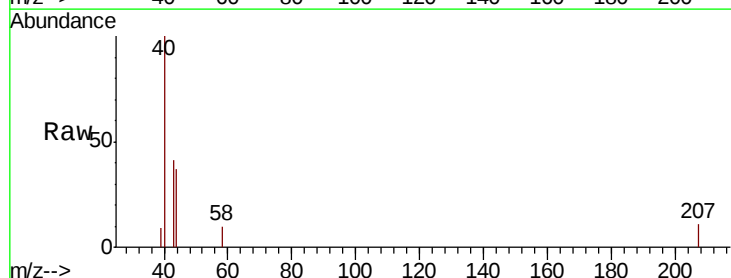
Acq: 03 Jan 2020 17:03

Tgt Ion: 43 Resp: 3093

Ion Ratio Lower Upper

43 100

58 23.8 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1200

1000

800

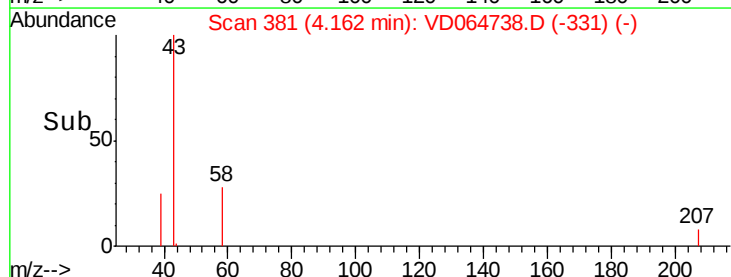
600

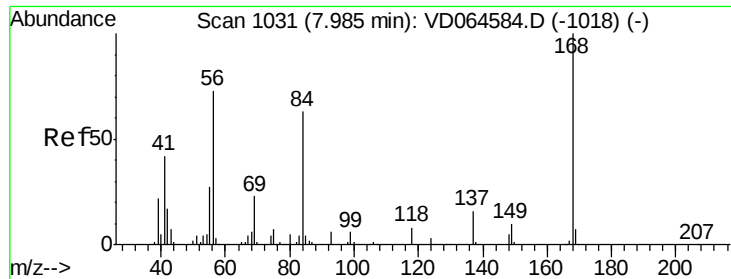
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200

0

Time-->

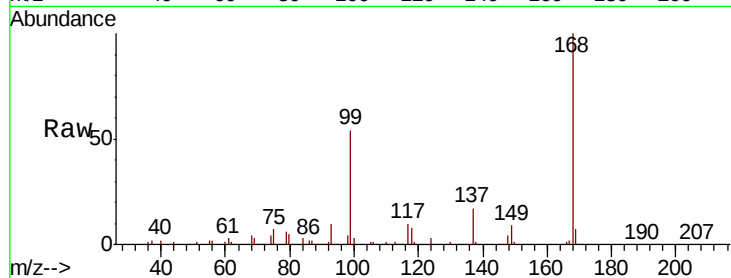




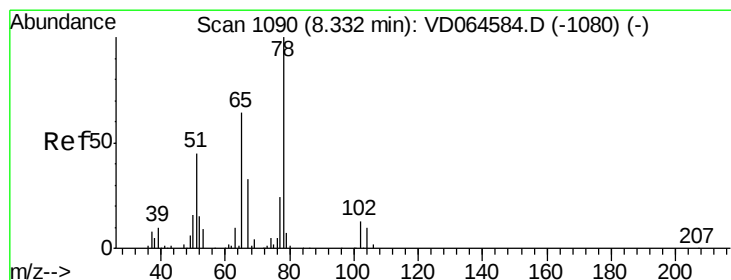
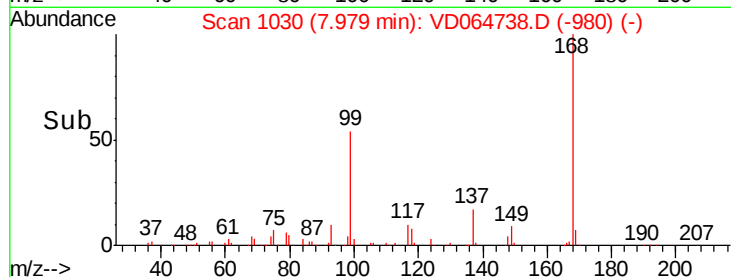
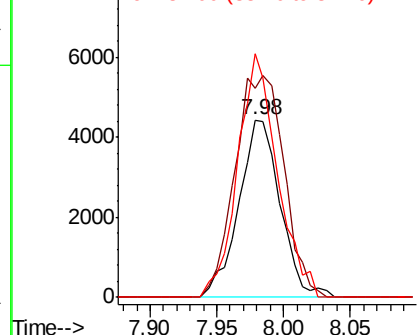
#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064738.D
Acq: 03 Jan 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9538
Ion Ratio Lower Upper
56 100
69 117.7 24.7 37.1#
84 144.3 69.4 104.2#

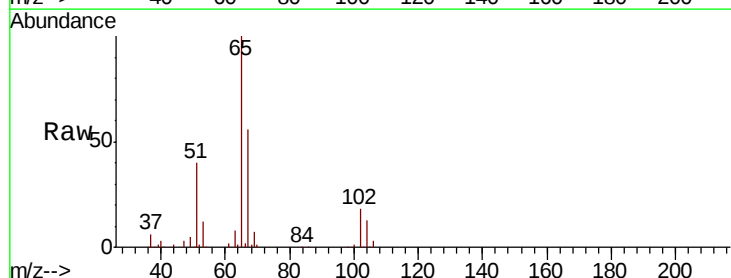


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

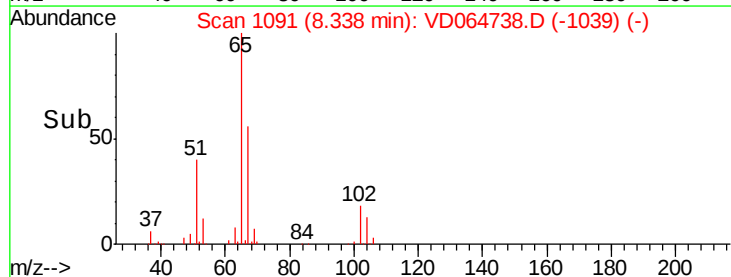
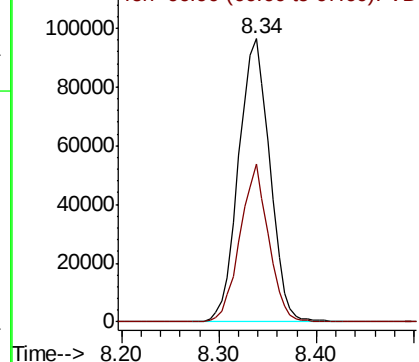


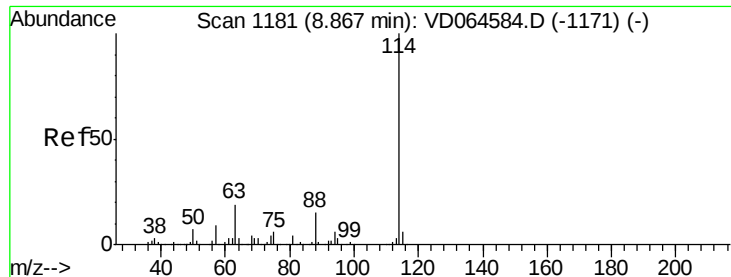
#33
1,2-Dichloroethane-d4
Concen: 56.300 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064738.D
Acq: 03 Jan 2020 17:03

Tgt Ion: 65 Resp: 214547
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2



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

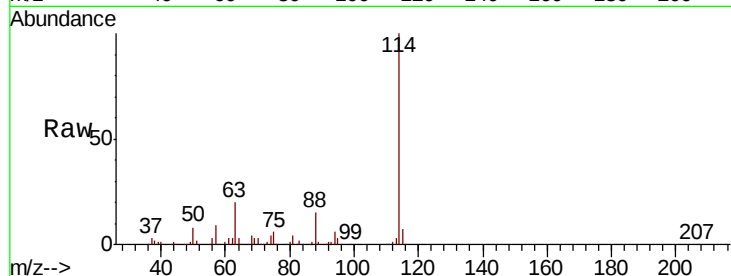




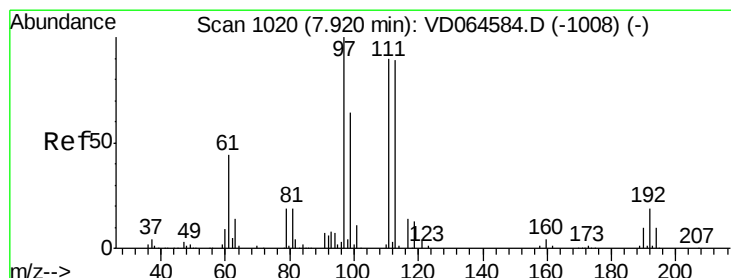
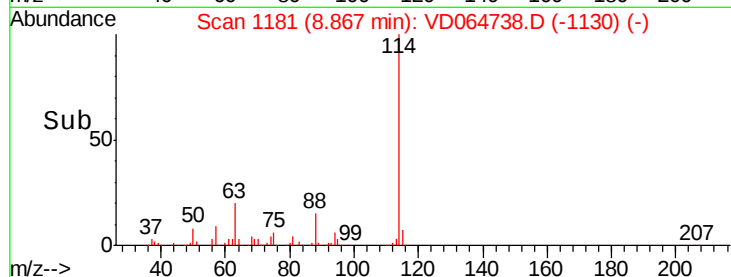
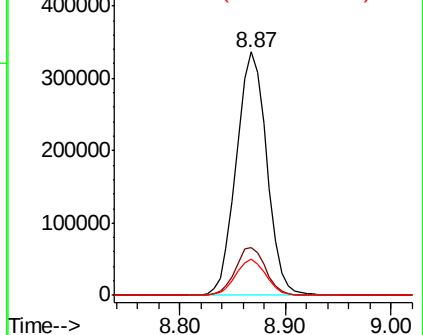
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064738.D
 Acq: 03 Jan 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 674539
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 15.0 0.0 29.2

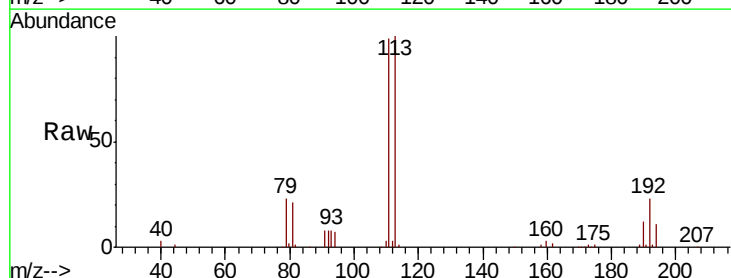


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

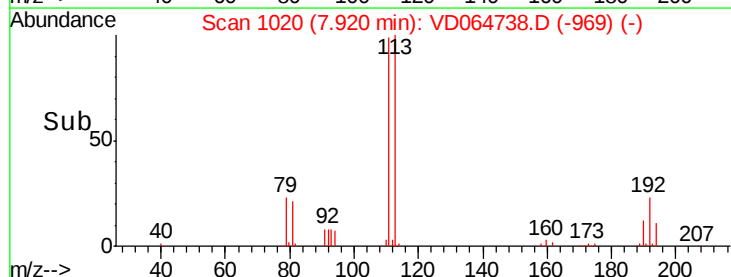
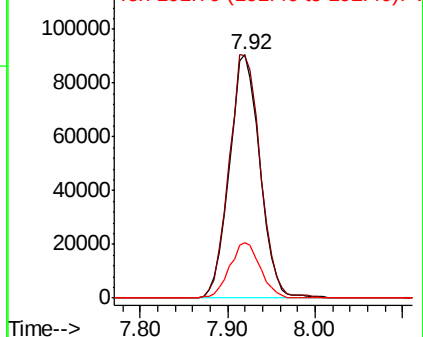


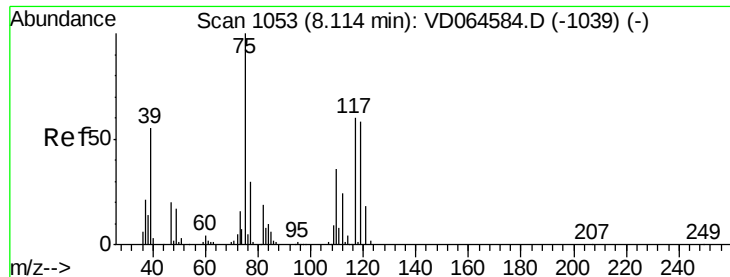
#35
 Dibromofluoromethane
 Concen: 51.783 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064738.D
 Acq: 03 Jan 2020 17:03

Tgt Ion:113 Resp: 214300
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.6 121.0
 192 22.9 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

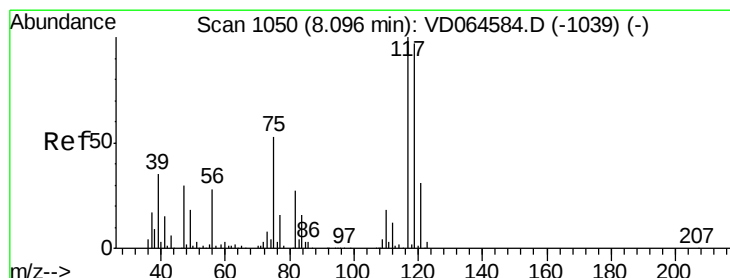
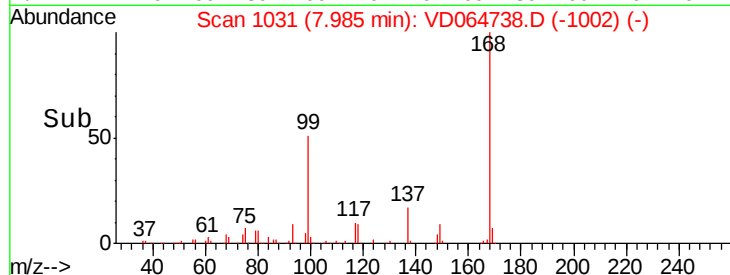
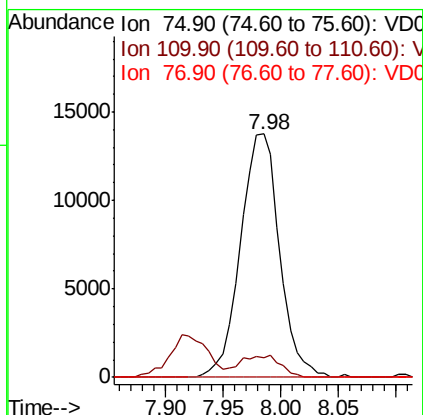
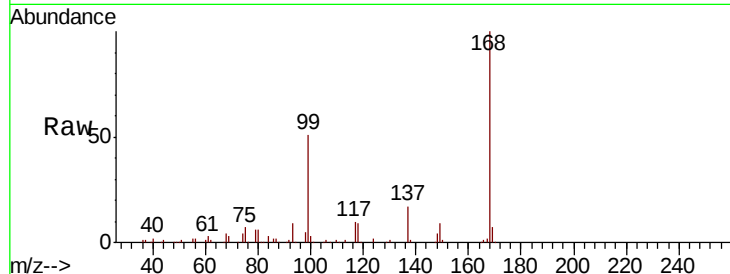




#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064738.D
 Acq: 03 Jan 2020 17:03

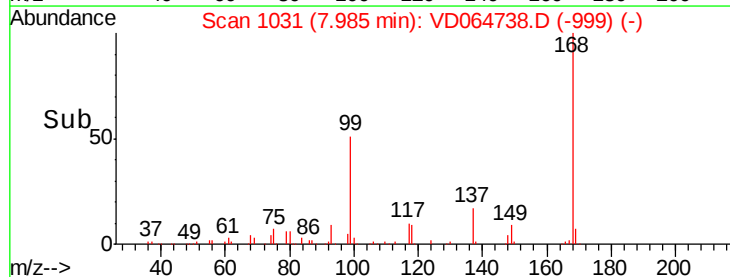
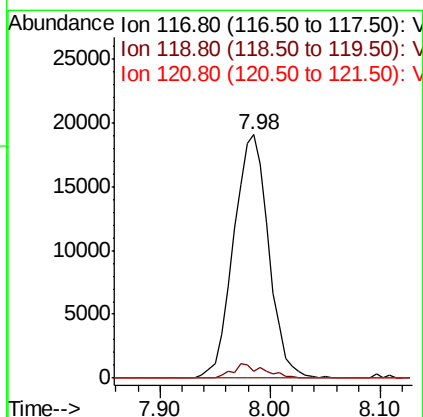
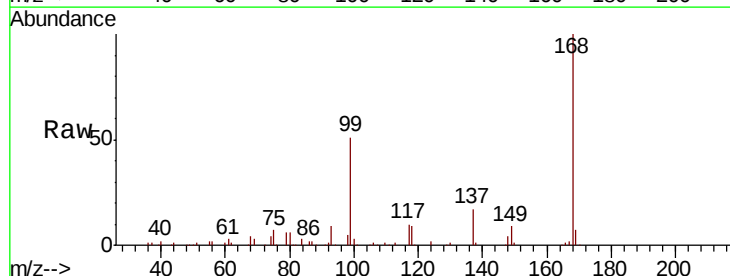
Instrument :
 MSVOA_D
 ClientSampleId :

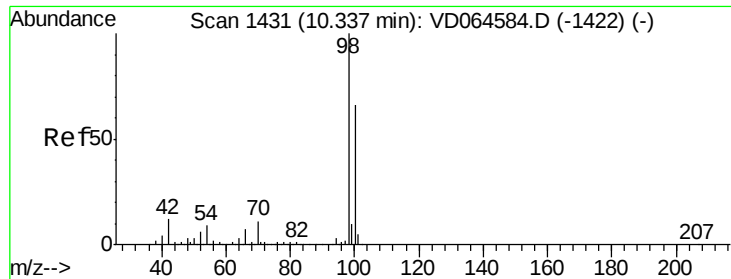
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.133 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064738.D
 Acq: 03 Jan 2020 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	77.3	115.9#
121	0.0	25.0	37.6#

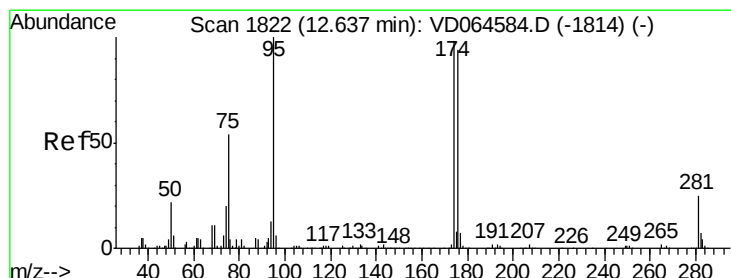
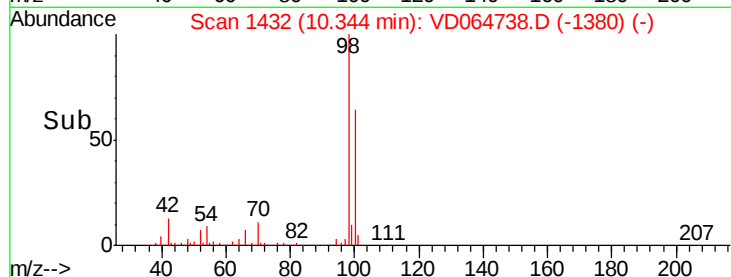
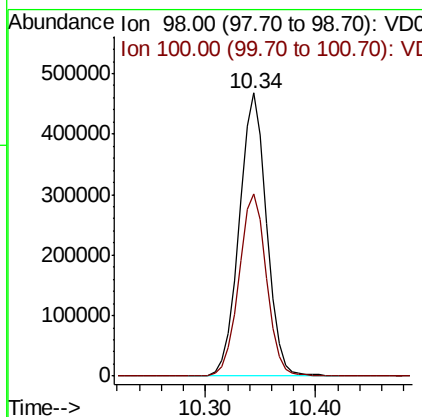
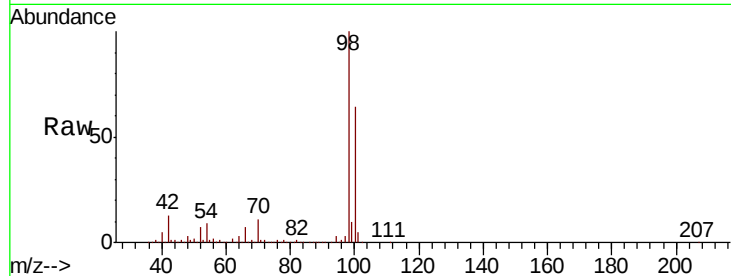




#50
Toluene-d8
Concen: 51.421 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064738.D
Acq: 03 Jan 2020 17:03

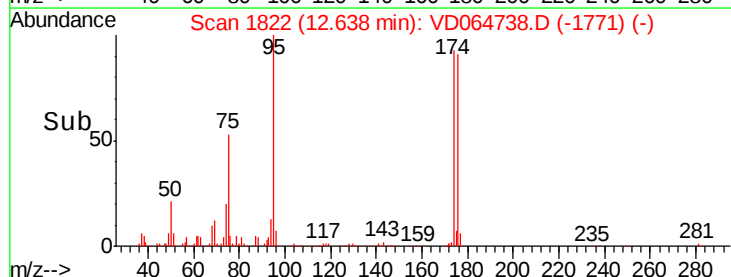
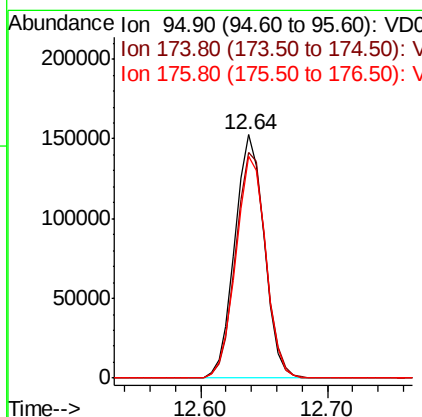
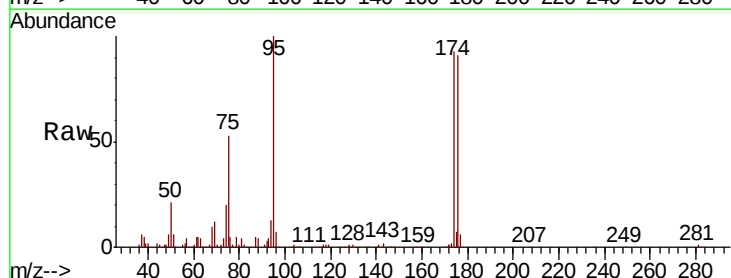
Instrument :
MSVOA_D
ClientSampleId :

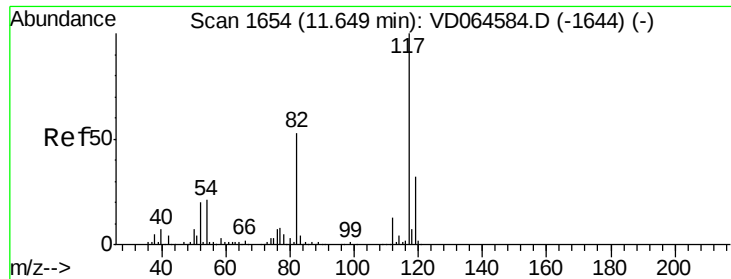
Tot Ion: 98 Resp: 815014
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.919 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064738.D
Acq: 03 Jan 2020 17:03

Tgt Ion: 95 Resp: 245173
Ion Ratio Lower Upper
95 100
174 95.1 0.0 193.2
176 92.6 0.0 184.2

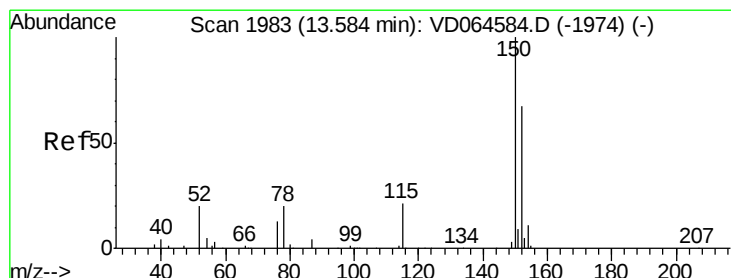
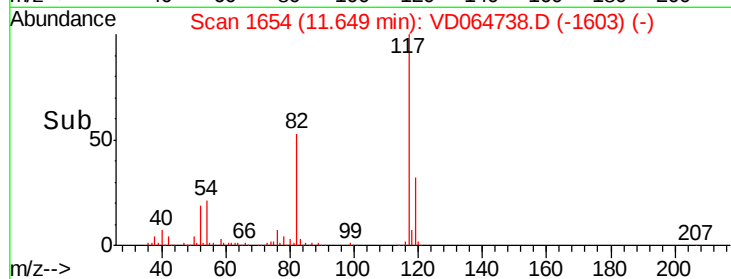
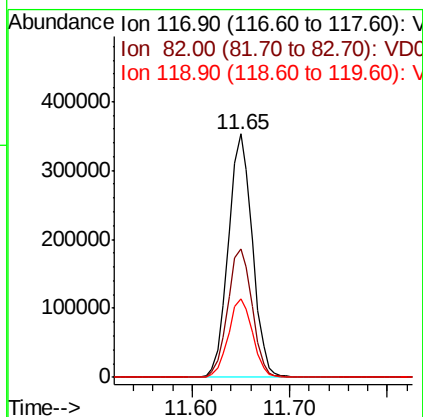
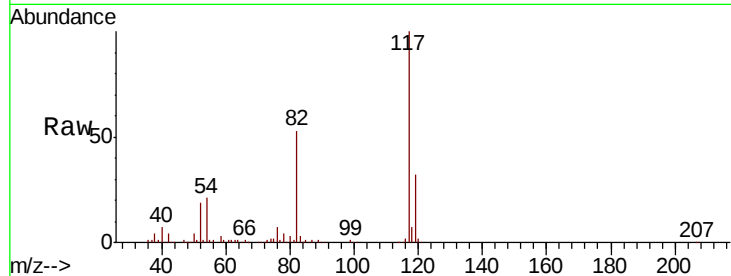




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064738.D
Acq: 03 Jan 2020 17:03

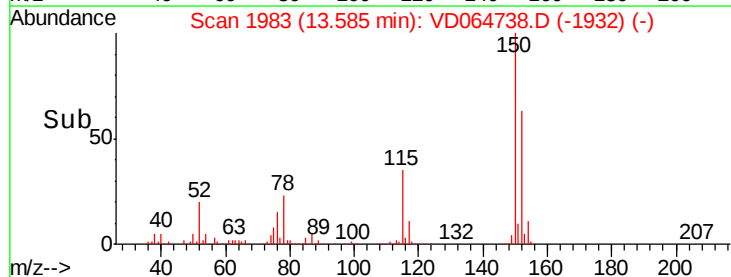
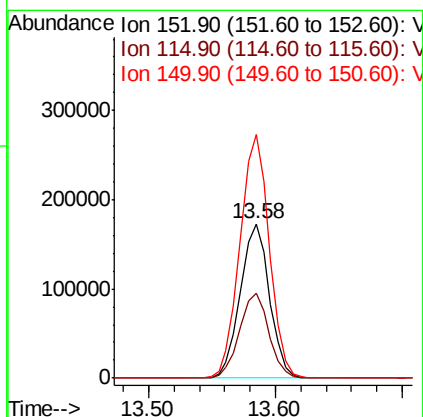
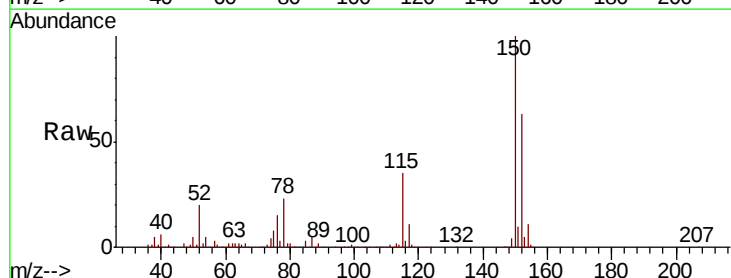
Instrument :
MSVOA_D
ClientSampleId :

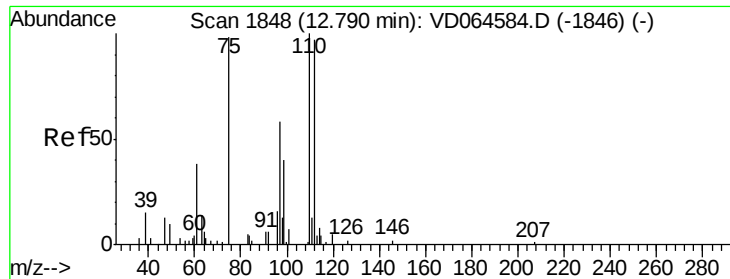
Tot Ion:117 Resp: 601933
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064738.D
Acq: 03 Jan 2020 17:03

Tgt Ion:152 Resp: 275489
Ion Ratio Lower Upper
152 100
115 55.3 27.8 83.4
150 158.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 60.325 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064738.D

Acq: 03 Jan 2020 17:03

Instrument :

MSVOA_D

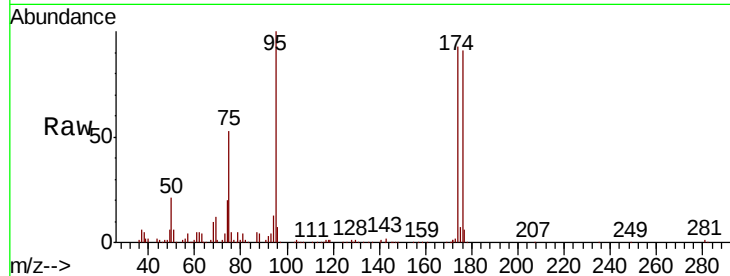
ClientSampleId :

Tot Ion: 75 Resp: 131232

Ion Ratio Lower Upper

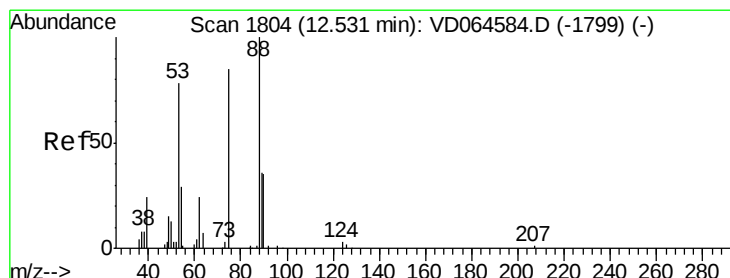
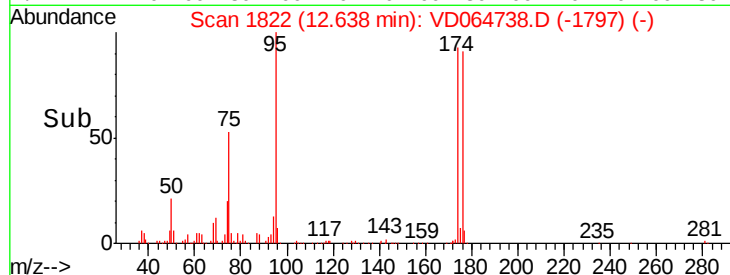
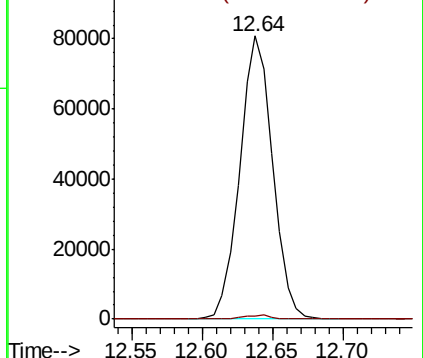
75 100

77 1.2 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: 126.167 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064738.D

Acq: 03 Jan 2020 17:03

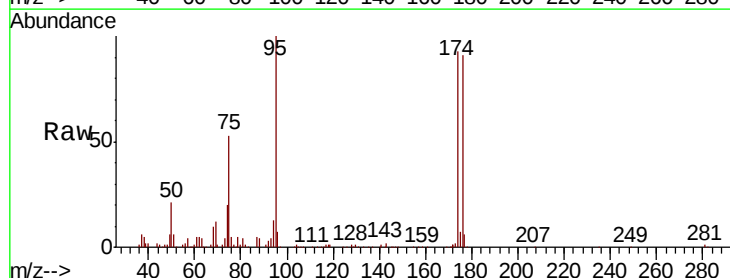
Tgt Ion: 75 Resp: 131232

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 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

