

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064487.D
 Acq On : 10 Dec 2019 16:50
 Operator : VA/SY
 Sample : K6242-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:48:12 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

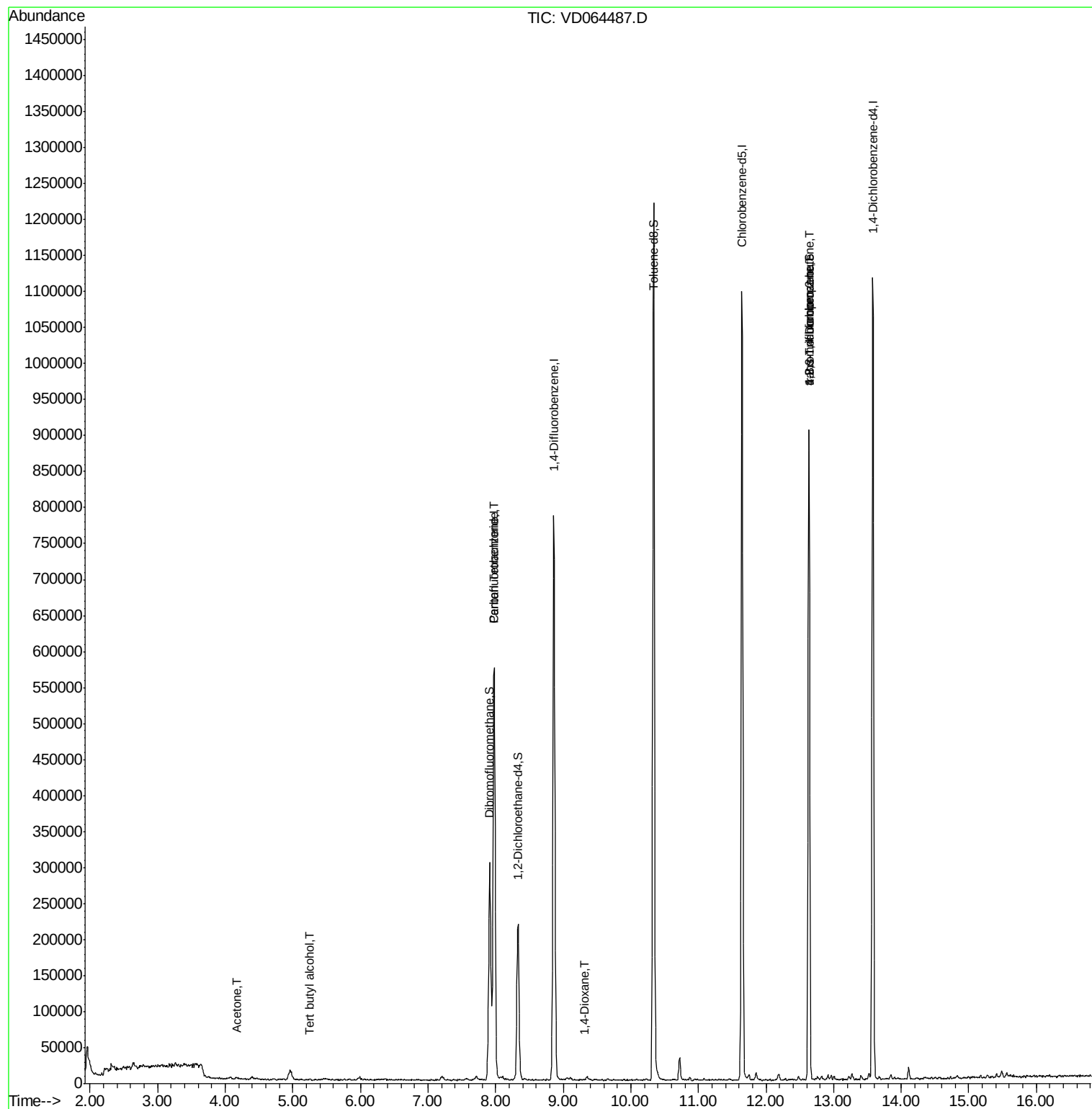
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	687350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	630037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305442	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	170726	41.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.74%	
35) Dibromofluoromethane	7.91	113	201167	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
50) Toluene-d8	10.34	98	825406	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.64	95	265558	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.25	59	312	1.188	ug/l #	100
16) Acetone	4.17	43	5149	6.174	ug/l	97
20) Methylene Chloride	4.97	84	10094	Below Cal		91
31) Cyclohexane	7.98	56	9794	Below Cal	#	1
38) Carbon Tetrachloride	7.97	117	41633	6.067	ug/l #	16
49) 1,4-Dioxane	9.31	88	62	2.060	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	140398	55.894	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	140398	121.878	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	257	Below Cal	#	6

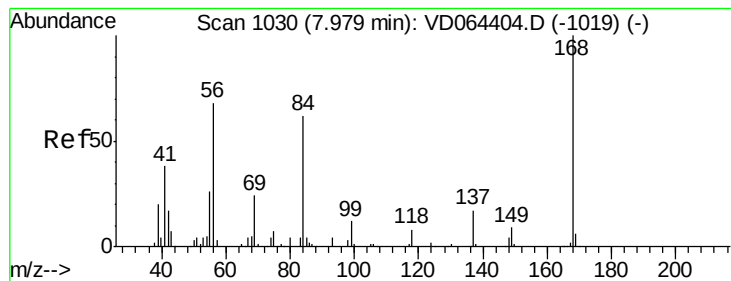
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121019\
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MSVOA_D
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Quant Time: Dec 11 00:48:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
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# 1030

Delta R.T. 0.00 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

Instrument :

MSVOA_D

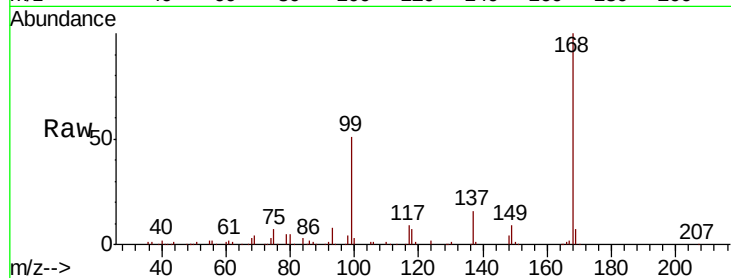
ClientSampleId :

Tot Ion:168 Resp: 455934

Ion Ratio Lower Upper

168 100

99 50.9 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

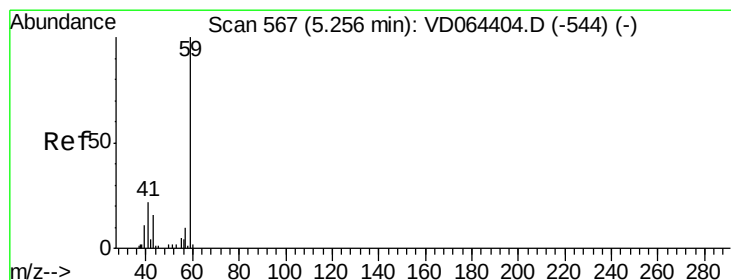
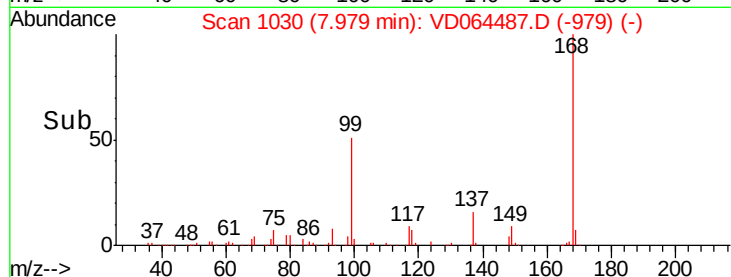
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.188 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD064487.D

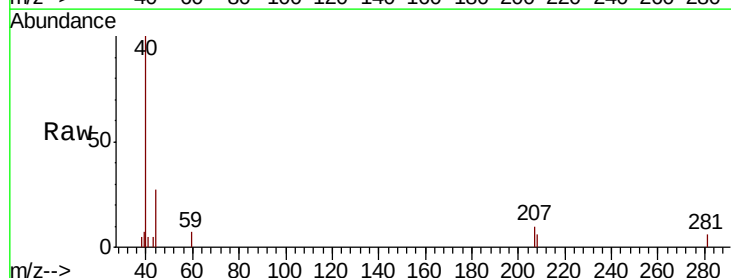
Acq: 10 Dec 2019 16:50

Tgt Ion: 59 Resp: 312

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

250

200

150

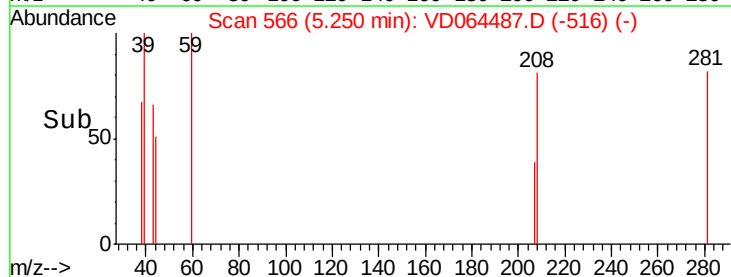
100

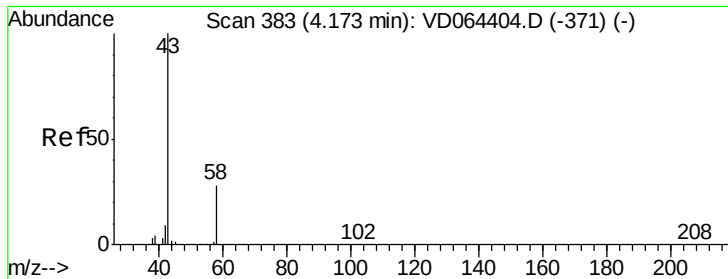
50

0

5.24 5.26 5.28

Time-->





#16

Acetone

Concen: 6.174 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

Instrument :

MSVOA_D

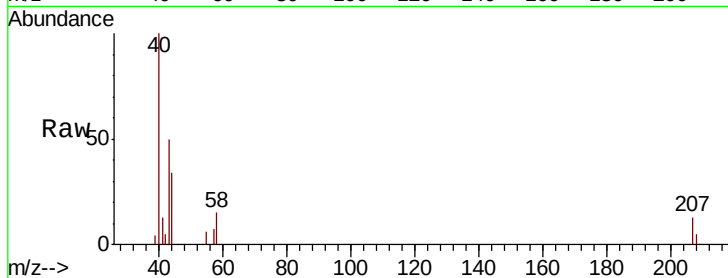
ClientSampleId :

Tot Ion: 43 Resp: 5149

Ion Ratio Lower Upper

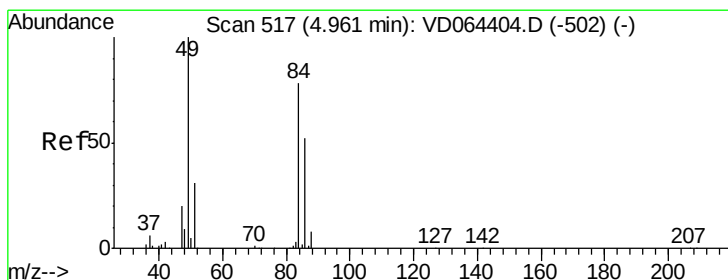
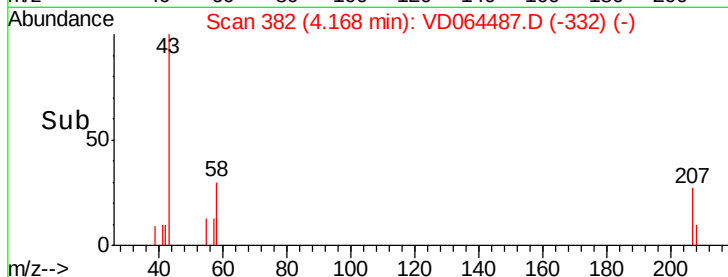
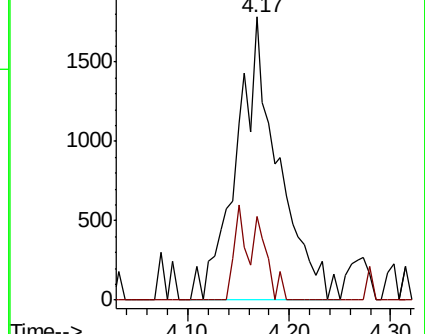
43 100

58 29.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

Tgt Ion: 84 Resp: 10094

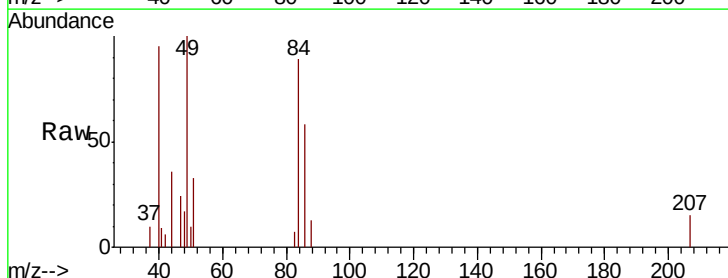
Ion Ratio Lower Upper

84 100

49 112.4 102.6 153.8

51 36.8 32.0 48.0

86 65.3 53.4 80.0

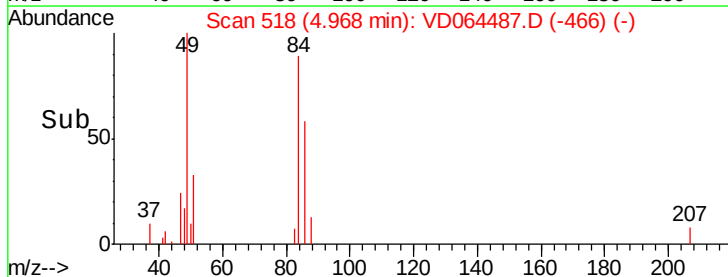
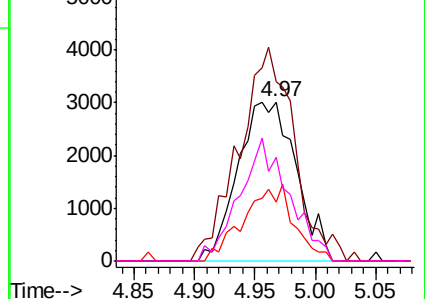


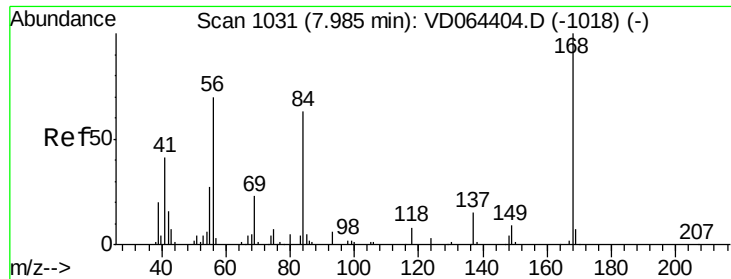
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

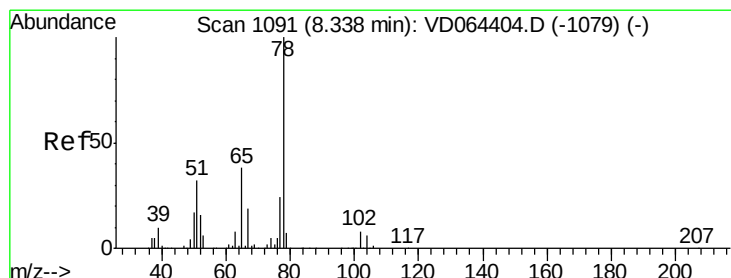
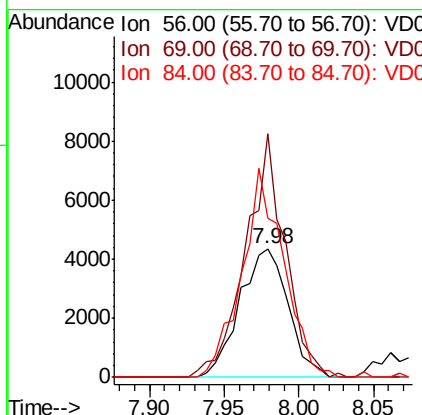
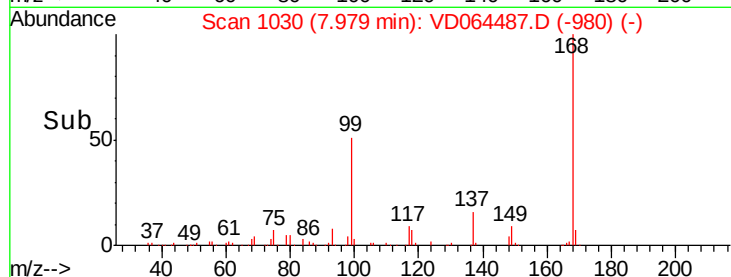
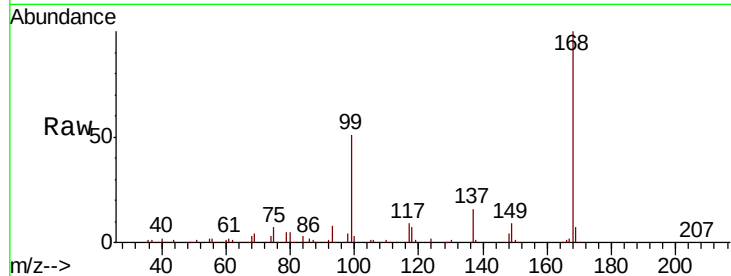




#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064487.D
Acq: 10 Dec 2019 16:50

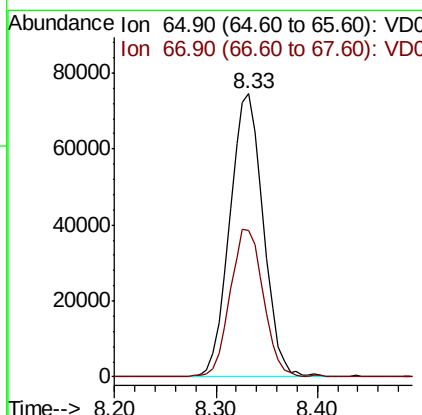
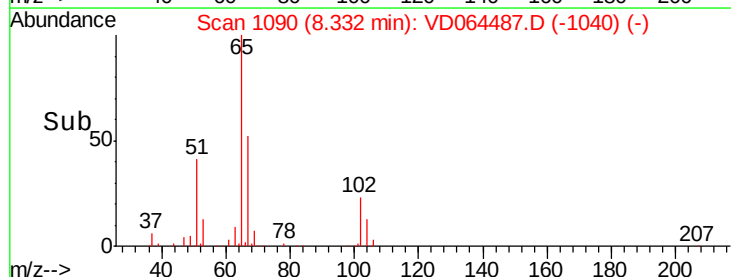
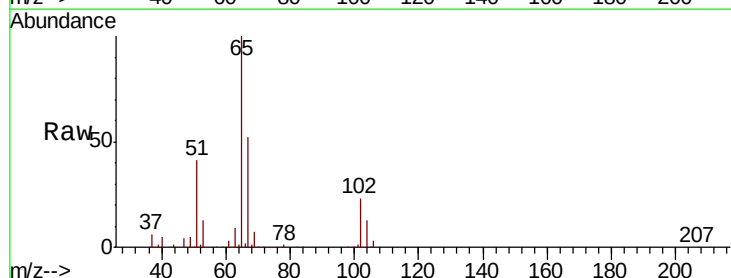
Instrument :
MSVOA_D
ClientSampled :

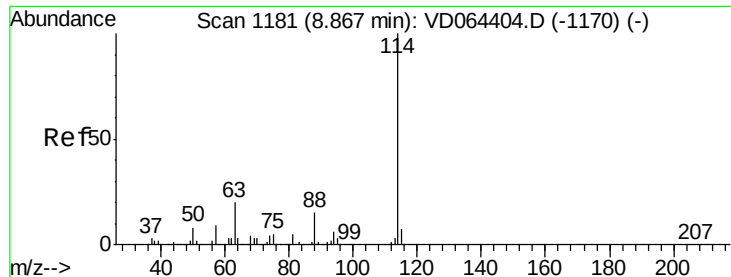
Tot Ion: 56 Resp: 9794
Ion Ratio Lower Upper
56 100
69 189.3 26.2 39.4#
84 123.7 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 41.369 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064487.D
Acq: 10 Dec 2019 16:50

Tgt Ion: 65 Resp: 170726
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

Instrument :

MSVOA_D

ClientSampleId :

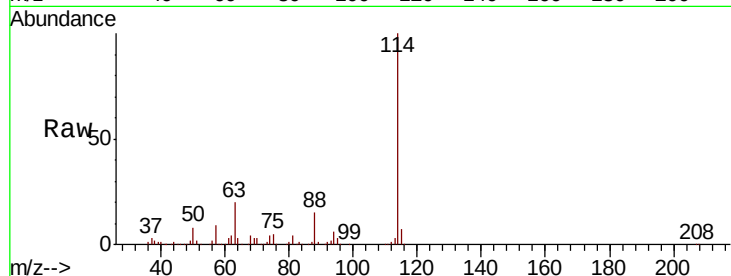
Tot Ion:114 Resp: 687350

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

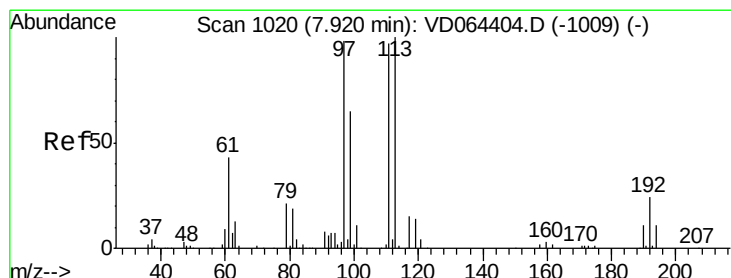
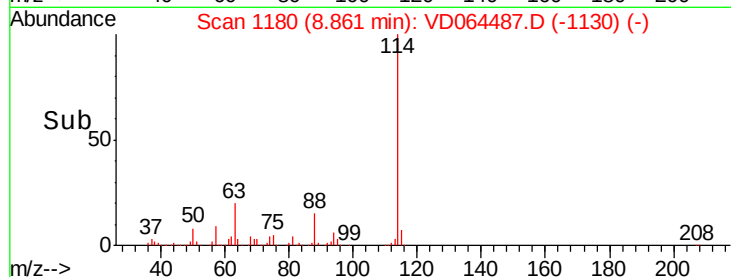
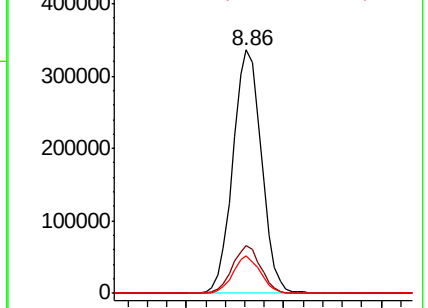
88 15.2 0.0 29.2



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: 46.452 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

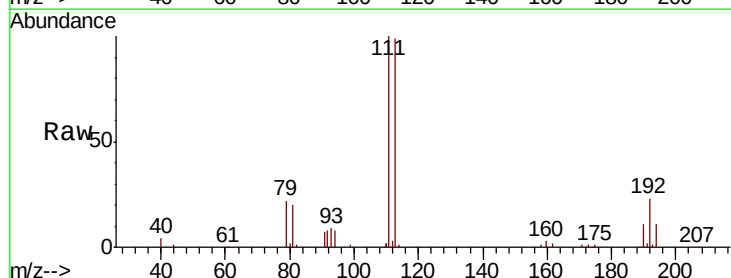
Tgt Ion:113 Resp: 201167

Ion Ratio Lower Upper

113 100

111 103.8 79.4 119.2

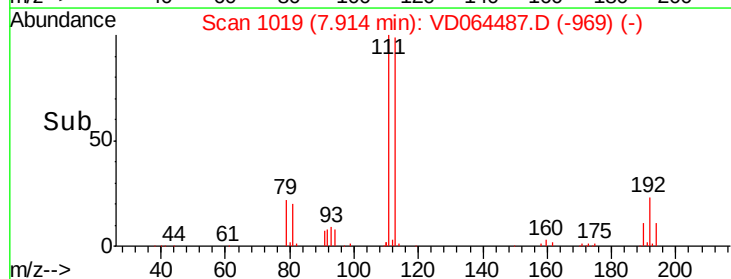
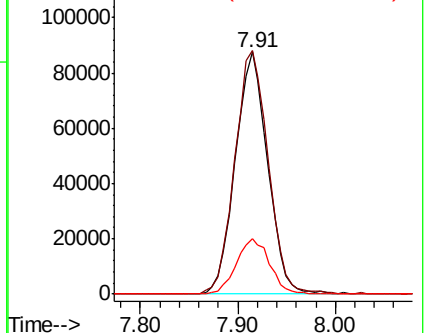
192 23.5 18.6 28.0

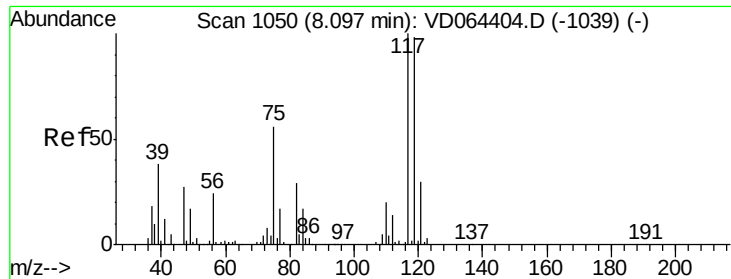


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.067 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

Instrument :

MSVOA_D

ClientSampleId :

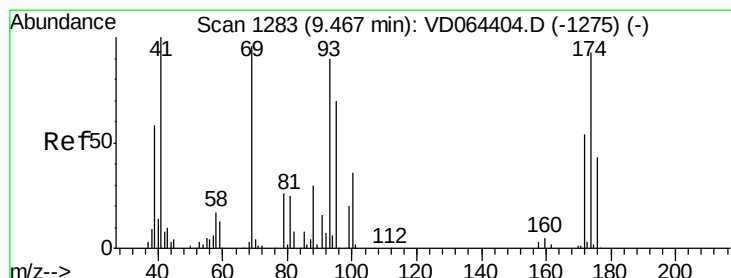
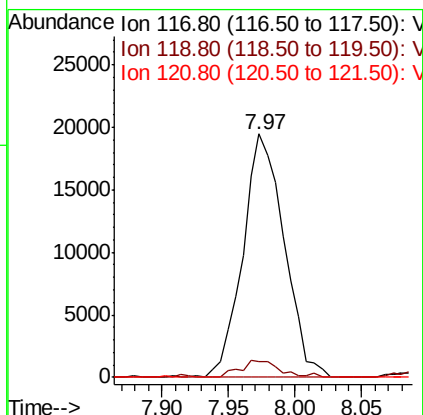
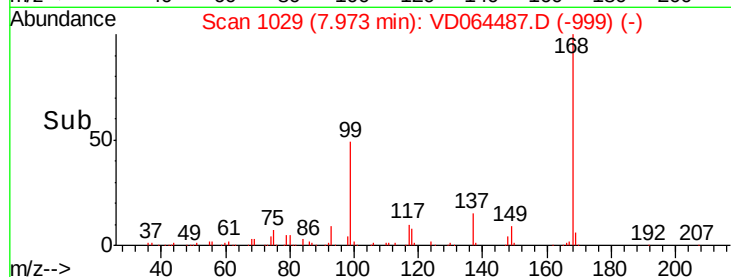
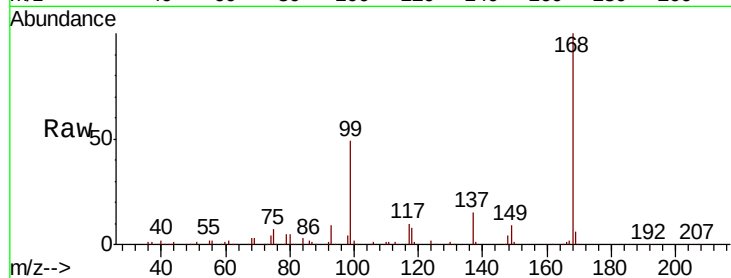
Tot Ion:117 Resp: 41633

Ion Ratio Lower Upper

117 100

119 6.3 78.8 118.2#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 2.060 ug/l

RT: 9.31 min Scan# 1257

Delta R.T. -0.15 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

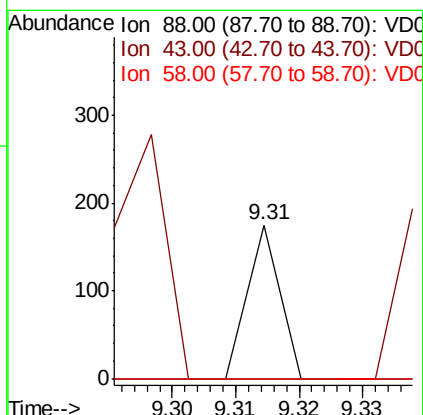
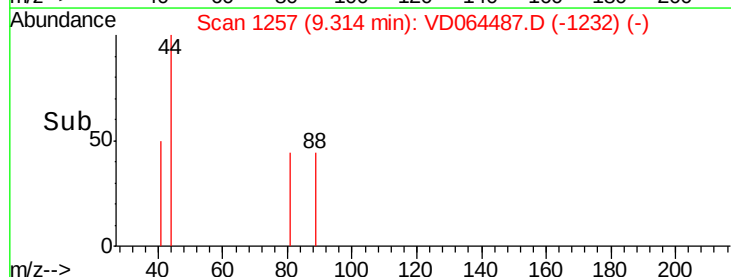
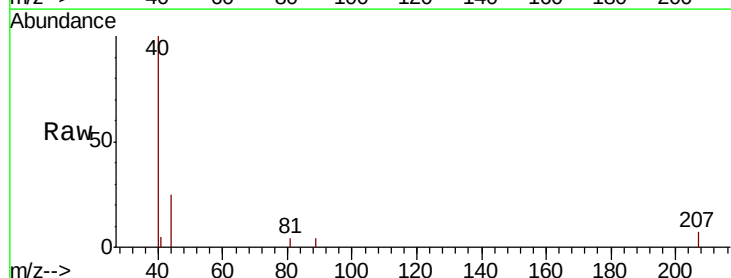
Tgt Ion: 88 Resp: 62

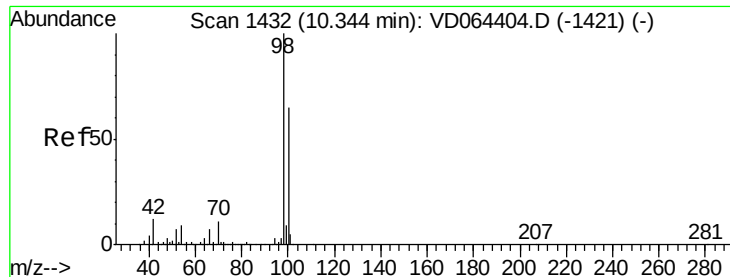
Ion Ratio Lower Upper

88 100

43 371.0 26.7 40.1#

58 0.0 52.3 78.5#





#50

Toluene-d8

Concen: 50.598 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

Instrument :

MSVOA_D

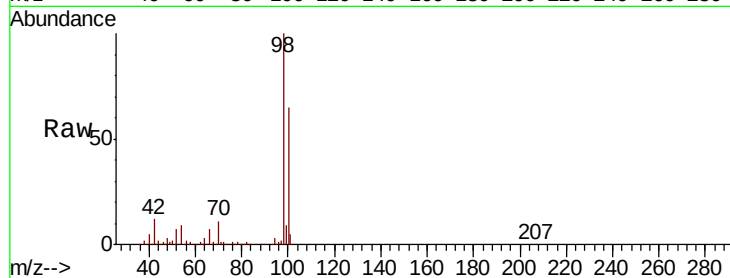
ClientSampleId :

Tot Ion: 98 Resp: 825406

Ion Ratio Lower Upper

98 100

100 64.9 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

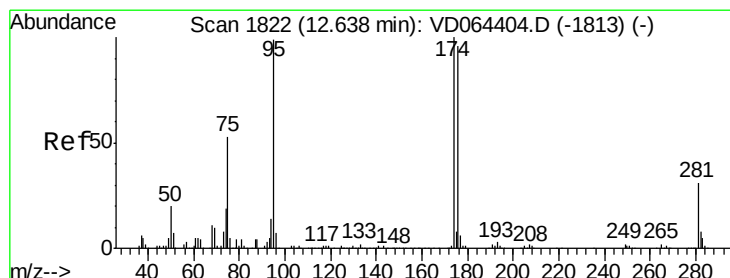
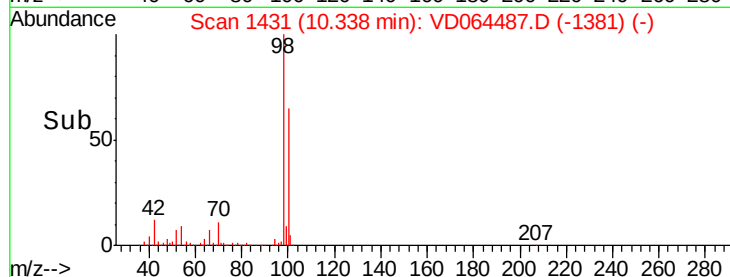
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 50.654 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

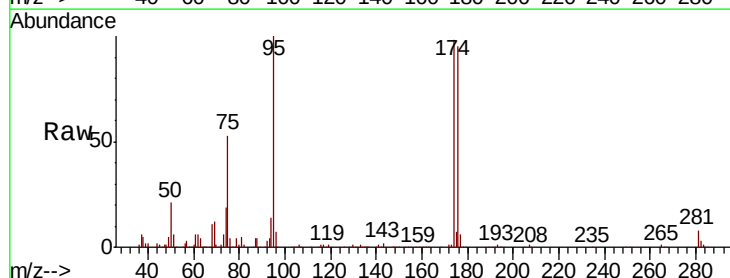
Tgt Ion: 95 Resp: 265558

Ion Ratio Lower Upper

95 100

174 95.2 0.0 197.2

176 93.3 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

200000

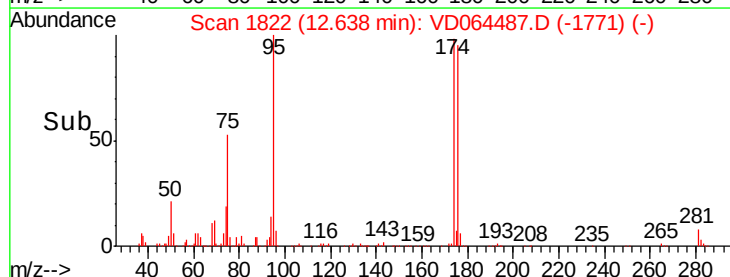
150000

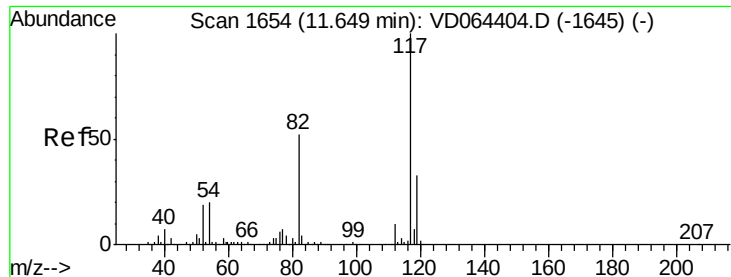
100000

50000

0

Time--> 12.60 12.70

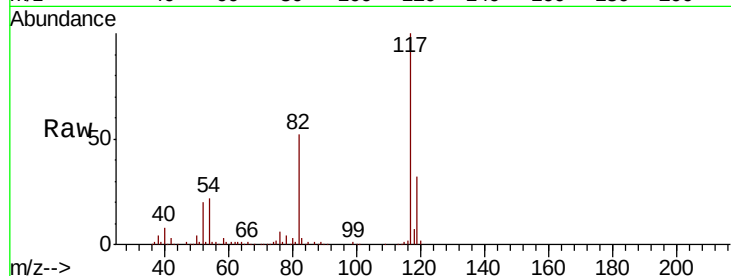




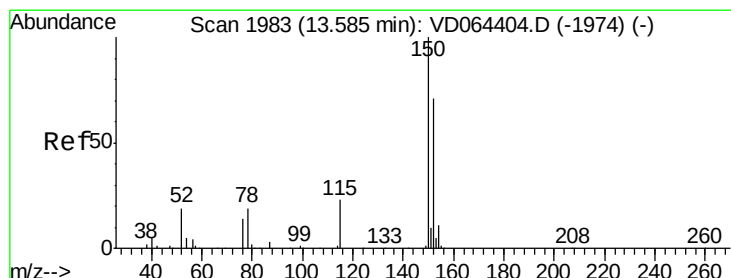
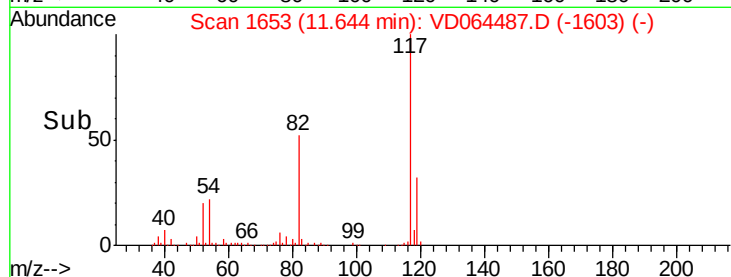
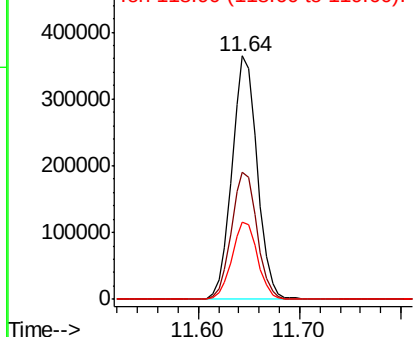
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064487.D
Acq: 10 Dec 2019 16:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.4	62.2
119	31.9	26.2	39.2

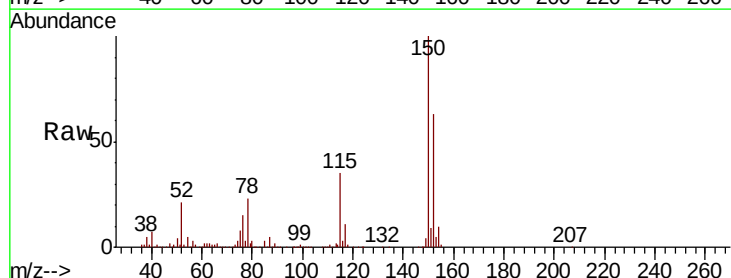


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

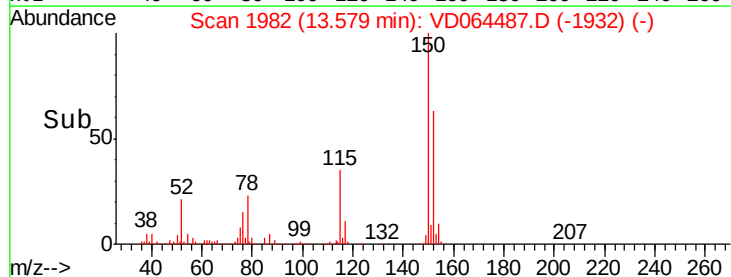
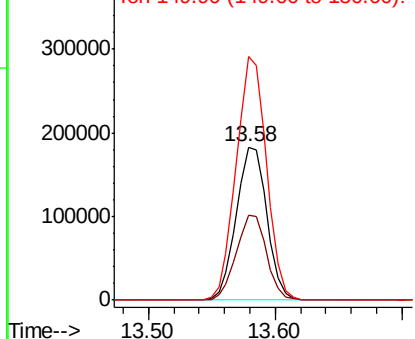


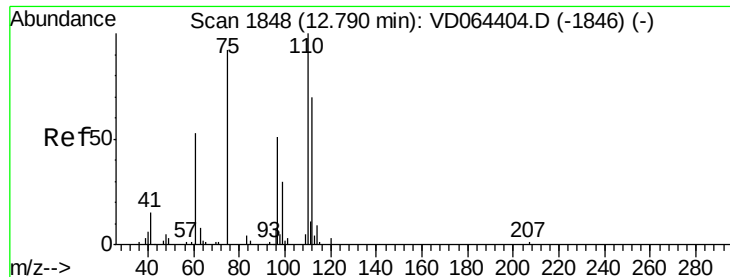
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064487.D
Acq: 10 Dec 2019 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	26.7	80.1
150	158.2	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: 55.894 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

Instrument :

MSVOA_D

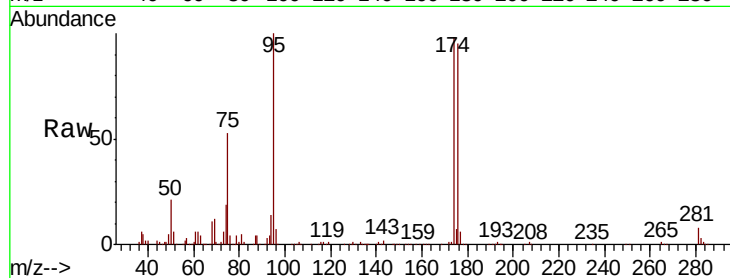
ClientSampleId :

Tot Ion: 75 Resp: 140398

Ion Ratio Lower Upper

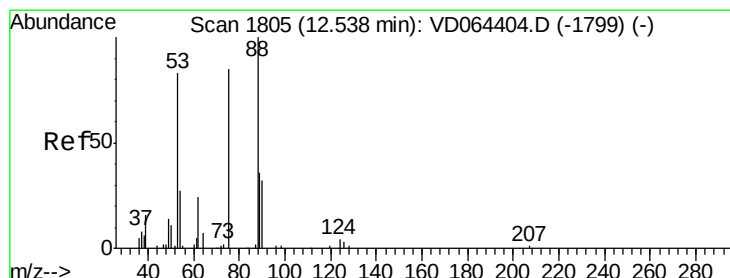
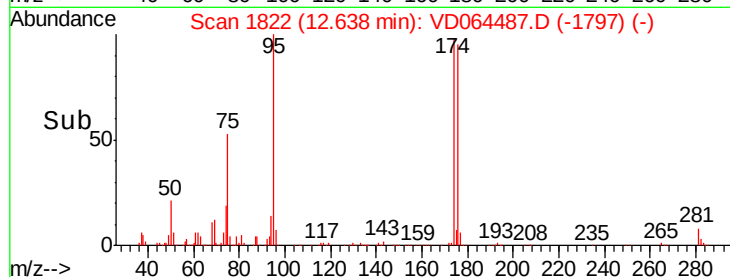
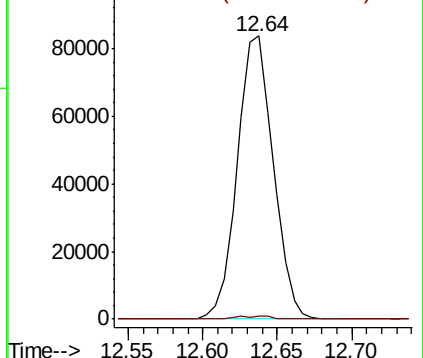
75 100

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: 121.878 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064487.D

Acq: 10 Dec 2019 16:50

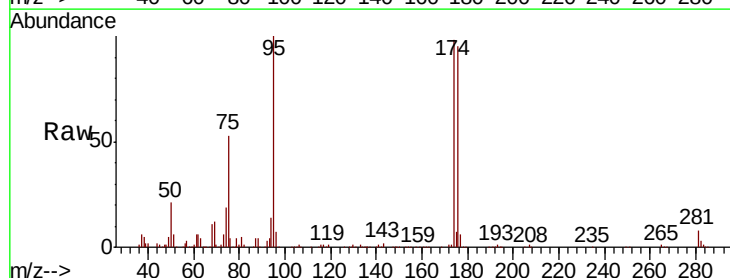
Tgt Ion: 75 Resp: 140398

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

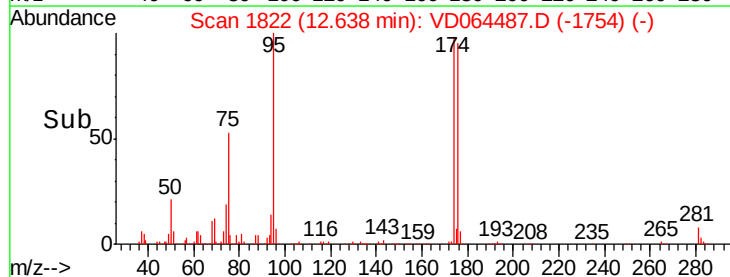
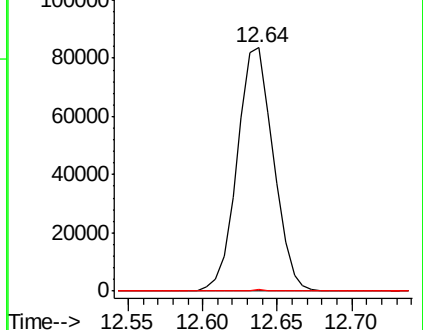
89 0.2 38.5 57.7#

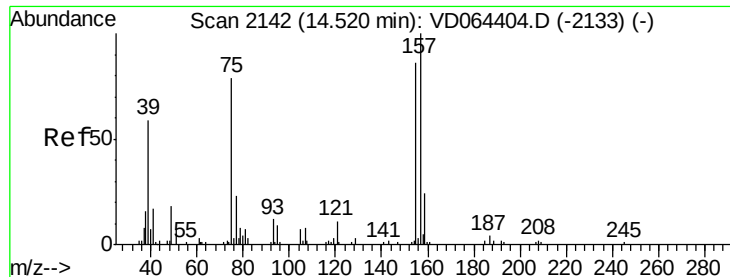


Abundance Ion 74.90 (74.60 to 75.60): VDC

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# 2139
 Delta R.T. -0.02 min
 Lab File: VD064487.D
 Acq: 10 Dec 2019 16:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 257
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.9 155.7#
 157 25.7 63.2 189.8#

