

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064483.D
 Acq On : 10 Dec 2019 10:59
 Operator : VA/SY
 Sample : VD1210SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:47:12 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

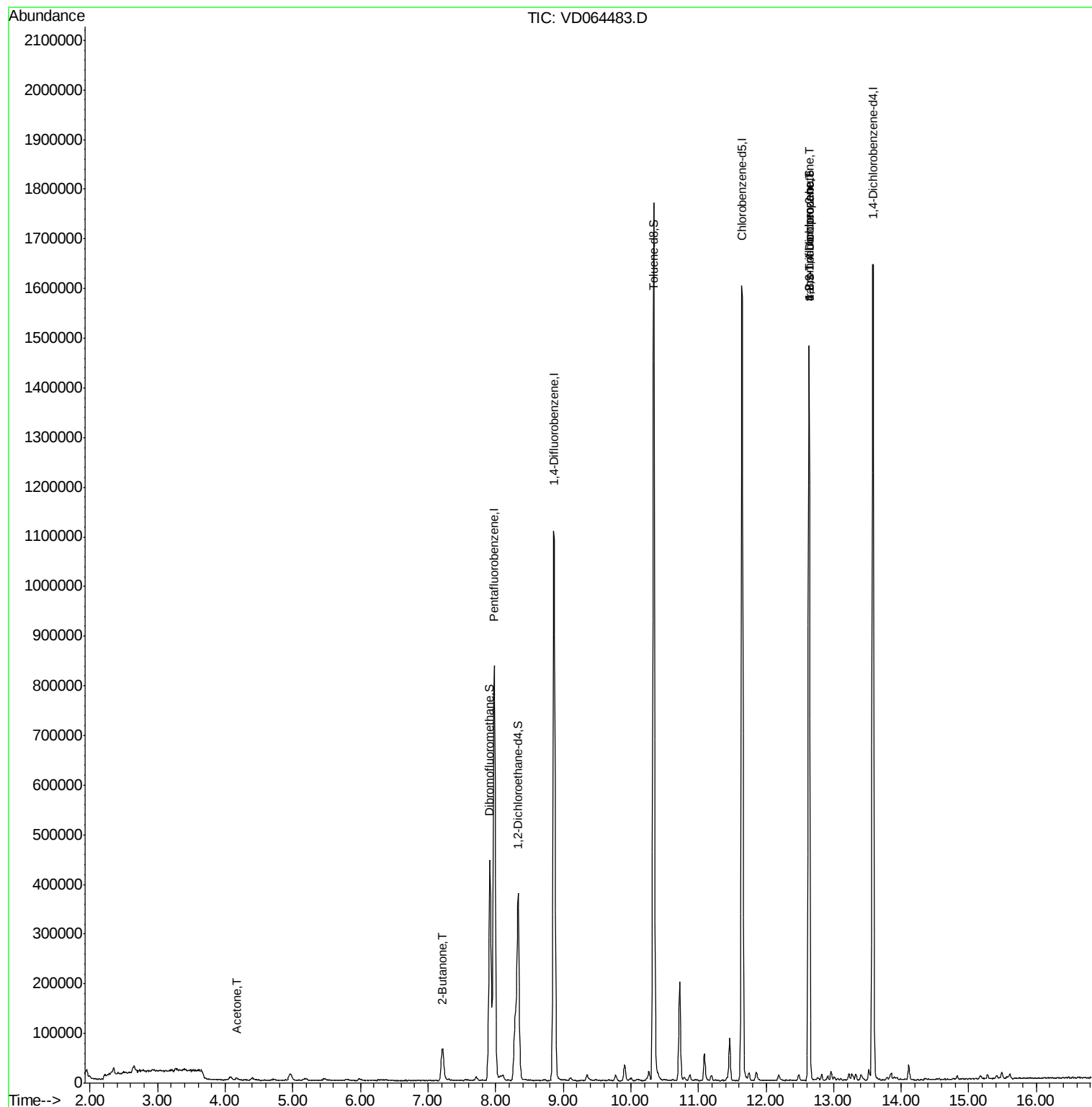
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	660109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	991384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	939403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	464067	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	284551	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	7.91	113	304480	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.34	98	1192903	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.64	95	411128	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	7971	6.602	ug/l #	70
20) Methylene Chloride	4.96	84	9532	Below Cal		96
25) 2-Butanone	7.20	43	4638	2.716	ug/l #	85
31) Cyclohexane	7.97	56	16600	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.64	75	218944	57.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	218944	125.097	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.52	75	76	Below Cal	#	40

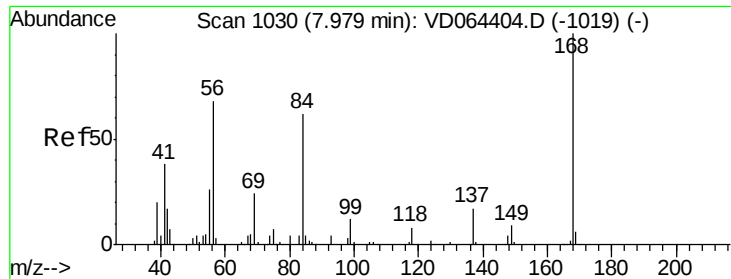
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121019\
Data File : VD064483.D
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 11 00:47:12 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: VD064483.D

Acq: 10 Dec 2019 10:59

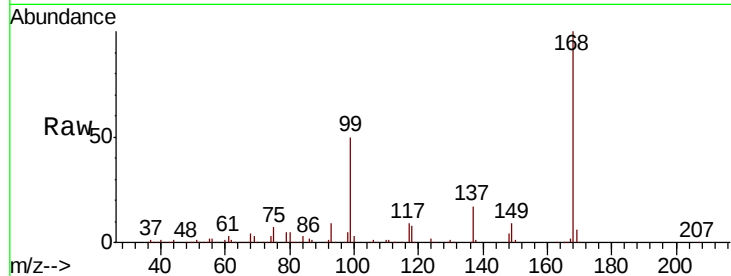
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 660109

Ion Ratio Lower Upper

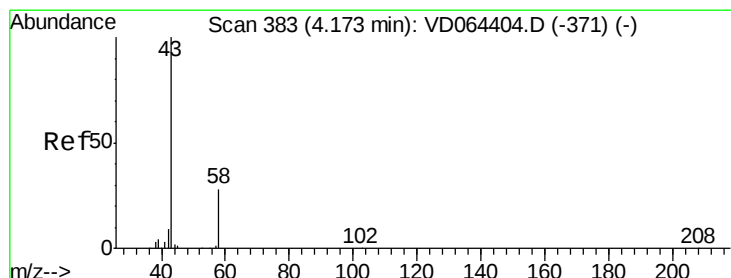
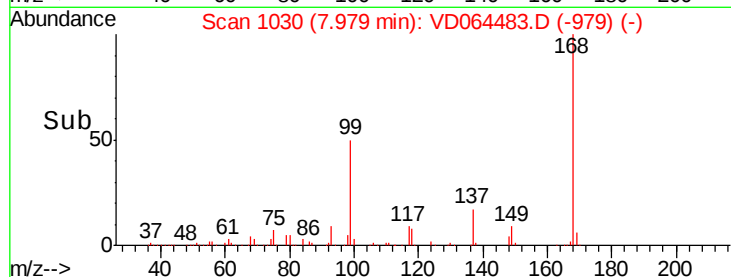
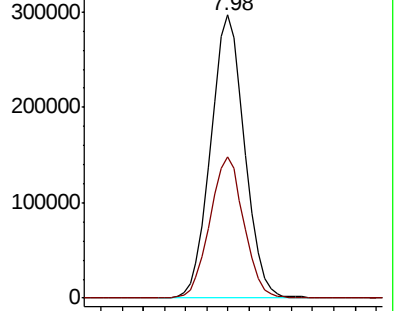
168 100

99 49.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 6.602 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064483.D

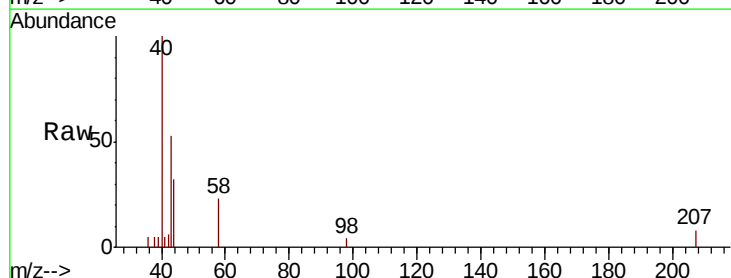
Acq: 10 Dec 2019 10:59

Tgt Ion: 43 Resp: 7971

Ion Ratio Lower Upper

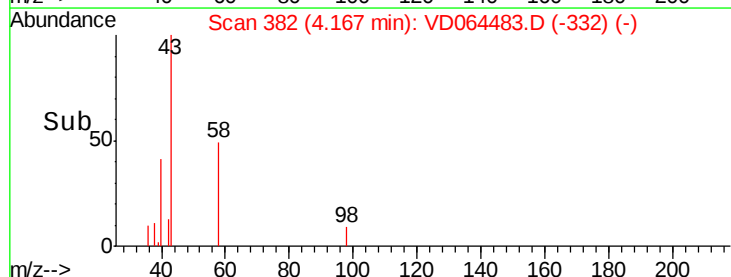
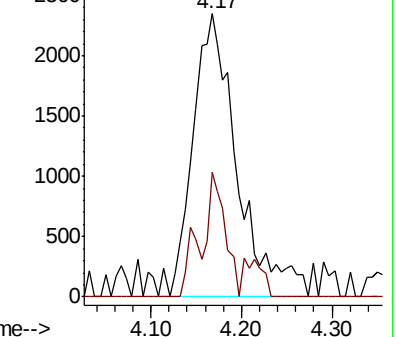
43 100

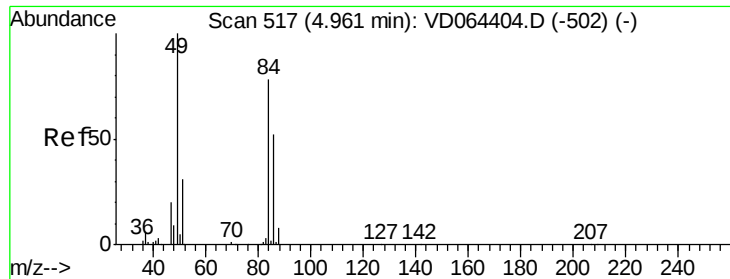
58 44.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

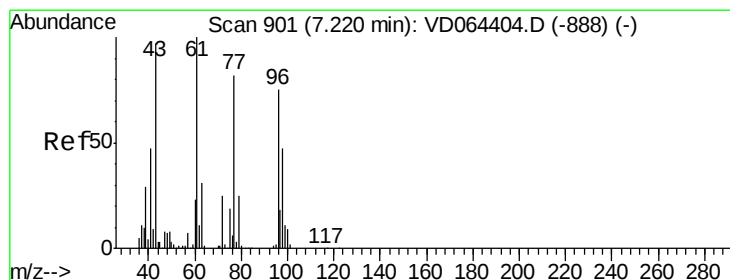
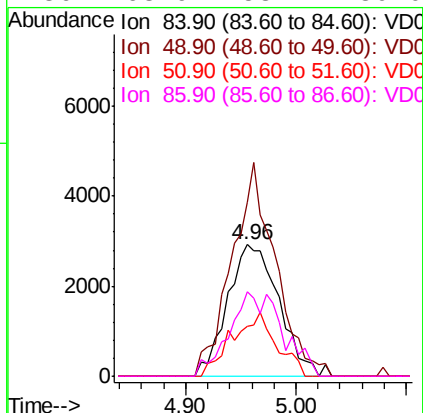
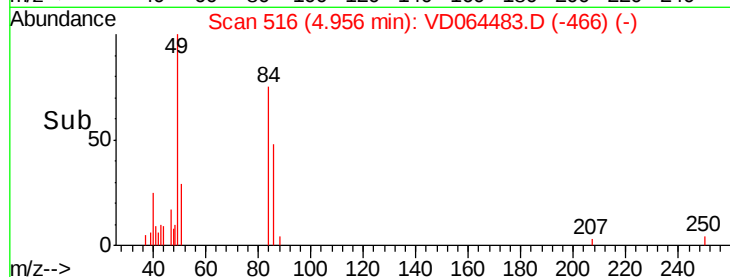
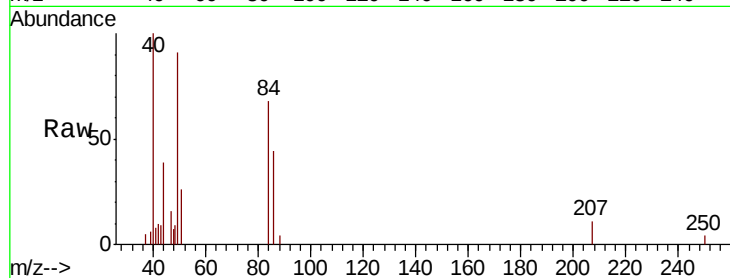




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064483.D
Acq: 10 Dec 2019 10:59

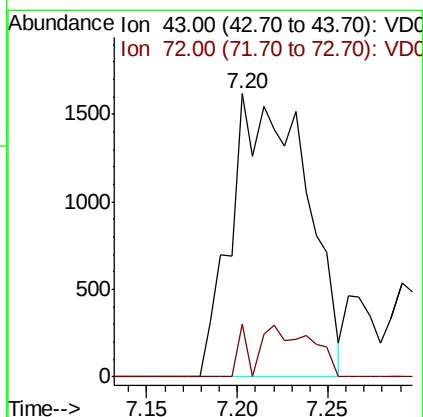
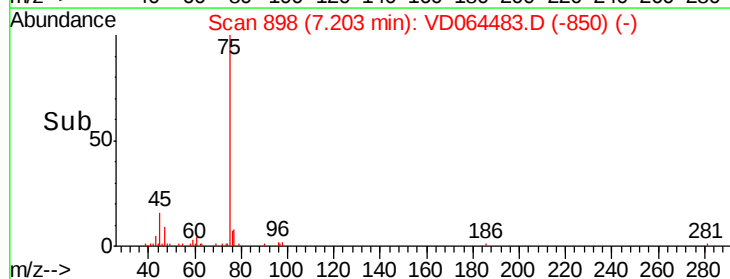
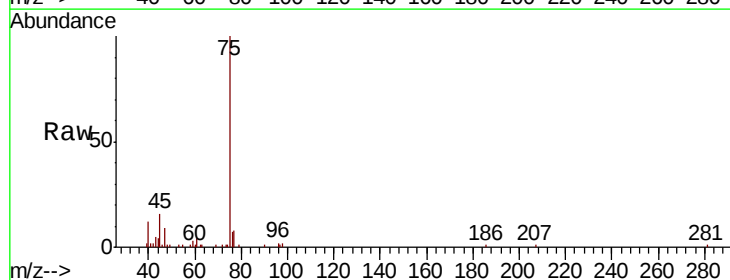
Instrument :
MSVOA_D
ClientSampleId :

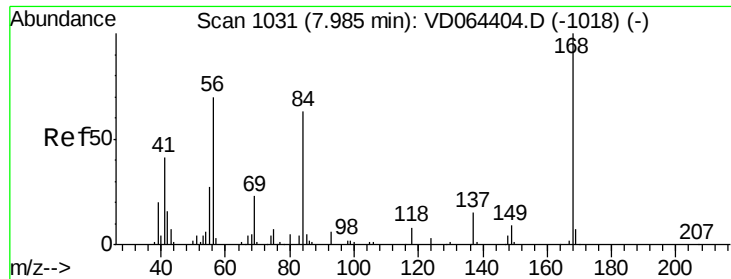
Tot Ion: 84 Resp: 9532
Ion Ratio Lower Upper
84 100
49 132.8 102.6 153.8
51 38.2 32.0 48.0
86 63.9 53.4 80.0



#25
2-Butanone
Concen: 2.716 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.02 min
Lab File: VD064483.D
Acq: 10 Dec 2019 10:59

Tgt Ion: 43 Resp: 4638
Ion Ratio Lower Upper
43 100
72 18.7 21.0 31.4#





#31

Cyclohexane

Concen: Below Cal

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064483.D

Acq: 10 Dec 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

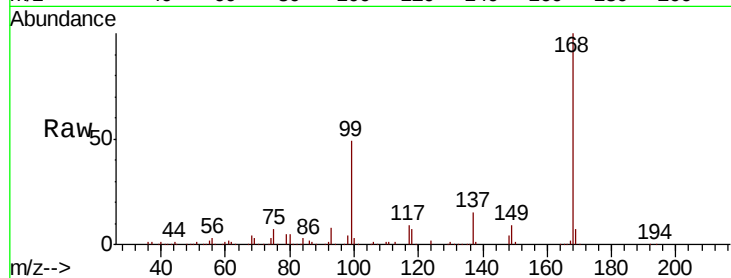
Tot Ion: 56 Resp: 16600

Ion Ratio Lower Upper

56 100

69 115.2 26.2 39.4#

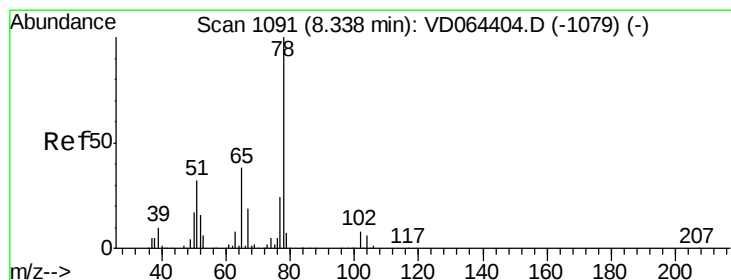
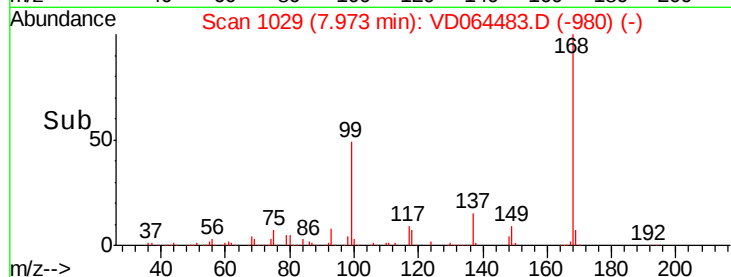
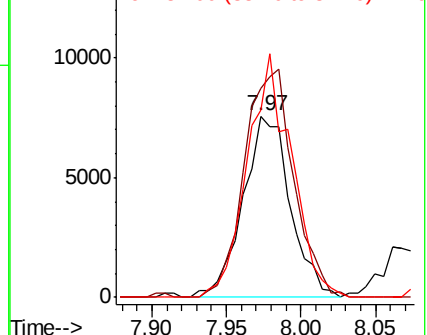
84 103.2 70.3 105.5



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: 47.624 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064483.D

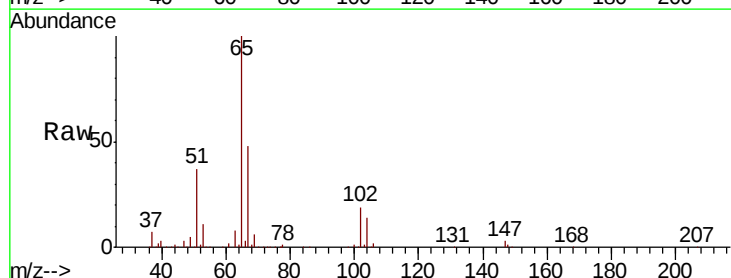
Acq: 10 Dec 2019 10:59

Tgt Ion: 65 Resp: 284551

Ion Ratio Lower Upper

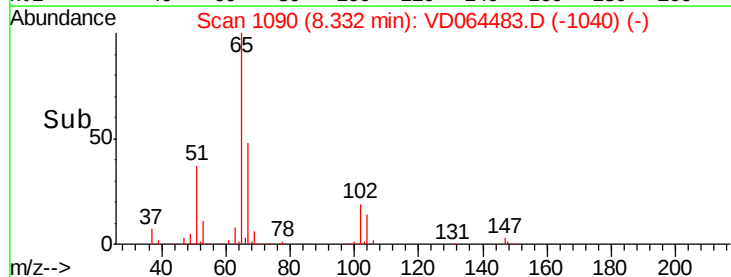
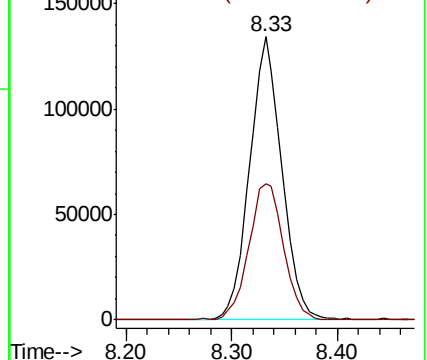
65 100

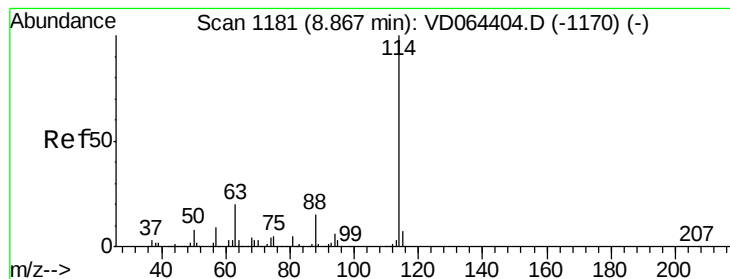
67 52.0 0.0 102.0



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: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064483.D

Acq: 10 Dec 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

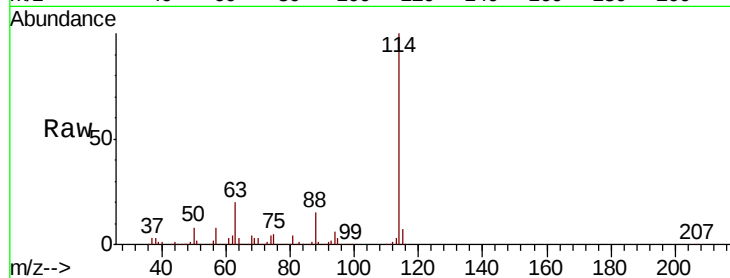
Tot Ion:114 Resp: 991384

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

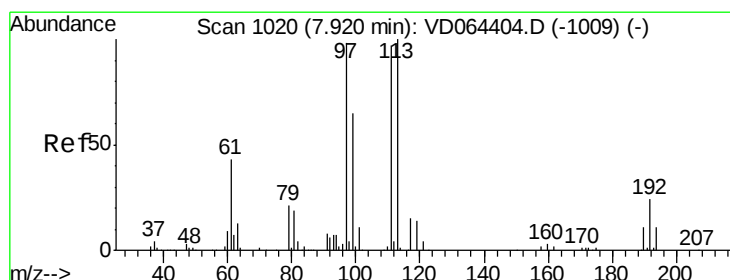
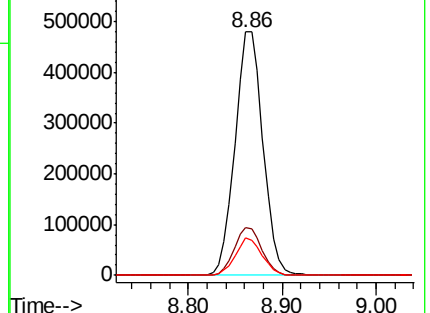
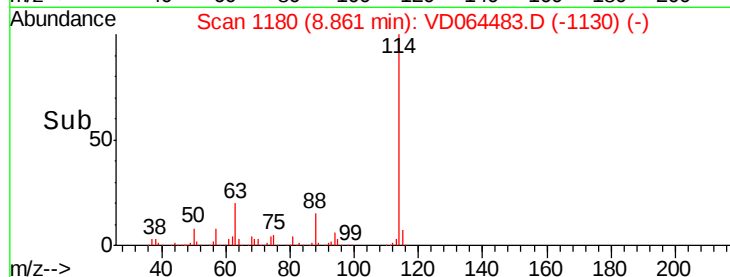
88 15.2 0.0 29.2



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: 48.746 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064483.D

Acq: 10 Dec 2019 10:59

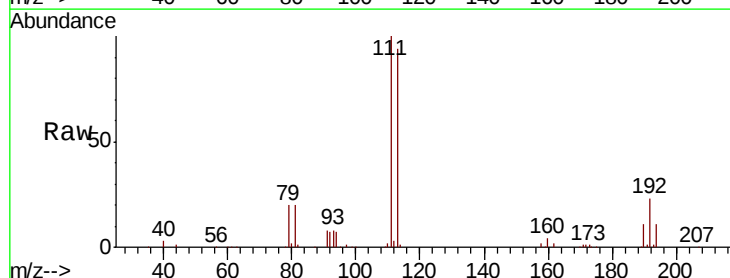
Tgt Ion:113 Resp: 304480

Ion Ratio Lower Upper

113 100

111 101.2 79.4 119.2

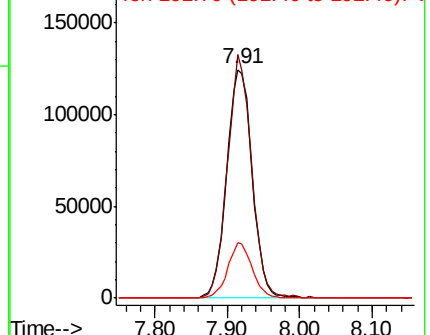
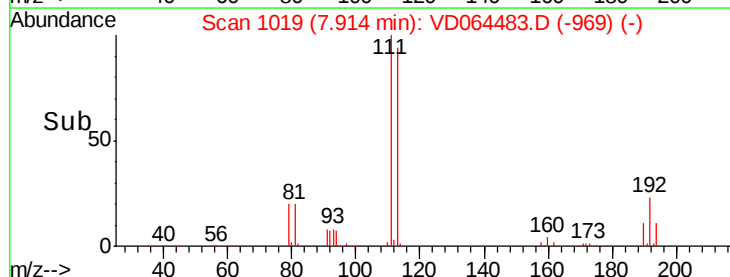
192 23.1 18.6 28.0

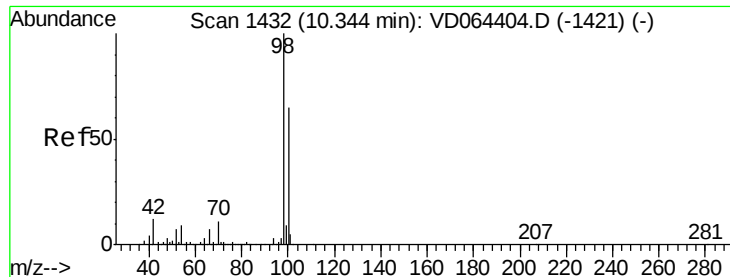


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

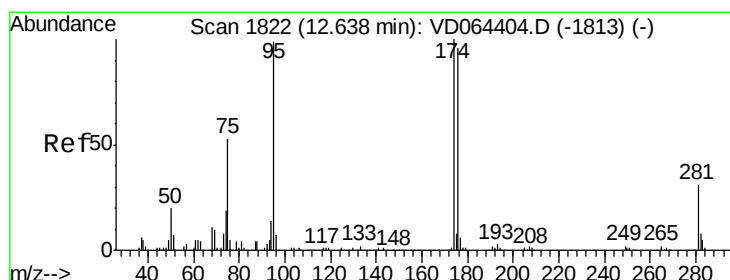
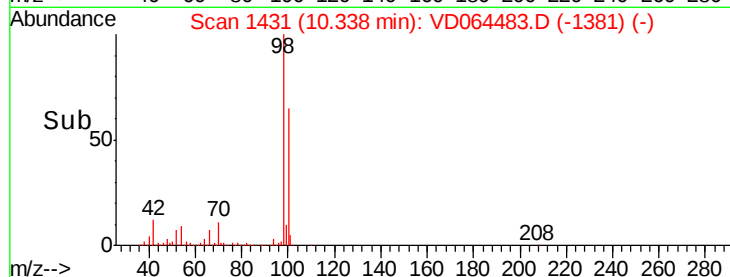
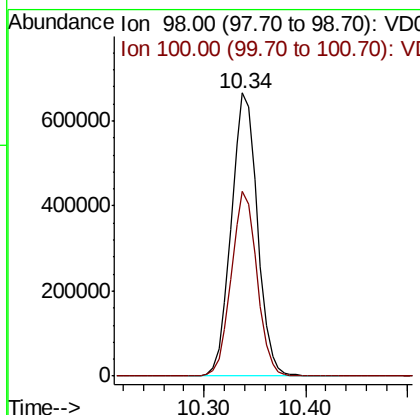
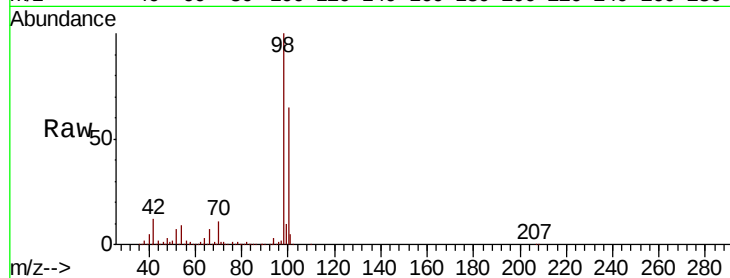




#50
Toluene-d8
Concen: 50.700 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064483.D
Acq: 10 Dec 2019 10:59

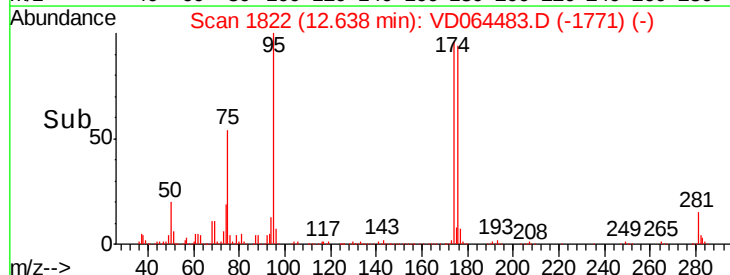
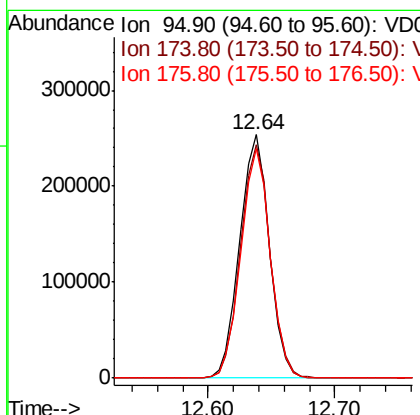
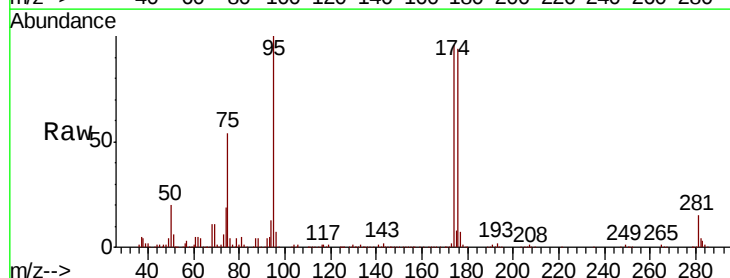
Instrument :
MSVOA_D
ClientSampleId :

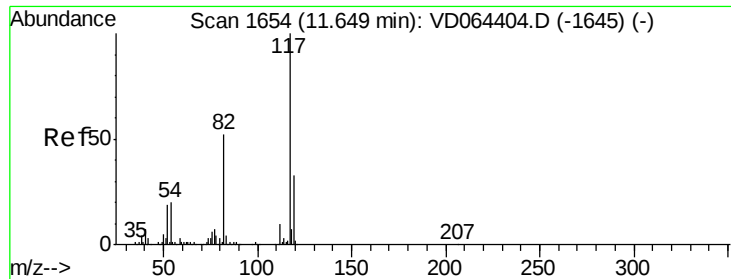
Tot Ion: 98 Resp: 1192903
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 54.371 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064483.D
Acq: 10 Dec 2019 10:59

Tgt Ion: 95 Resp: 411128
Ion Ratio Lower Upper
95 100
174 95.8 0.0 197.2
176 93.5 0.0 189.6

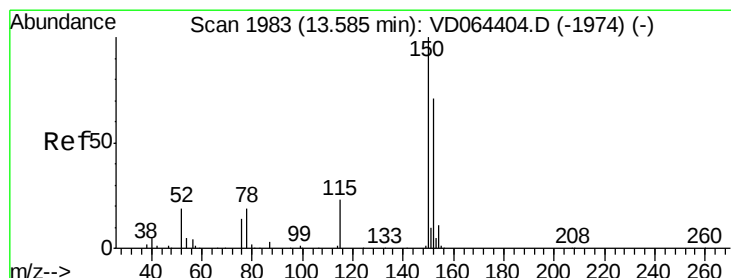
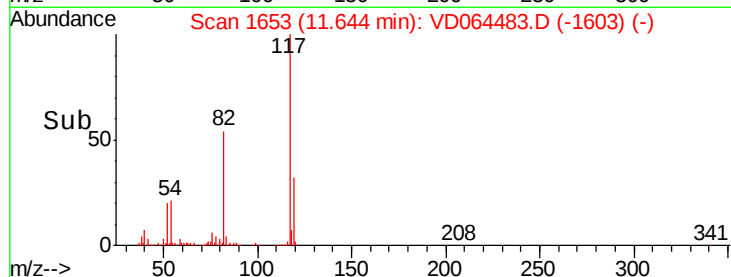
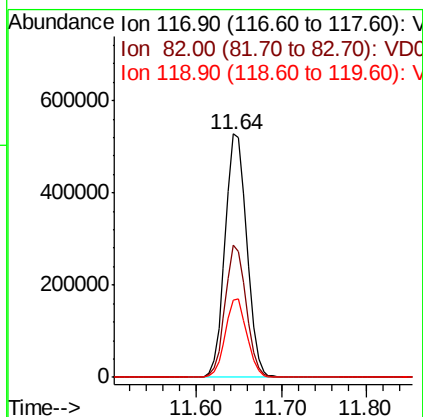
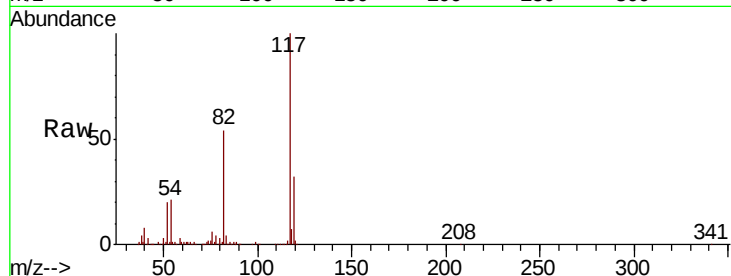




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064483.D
Acq: 10 Dec 2019 10:59

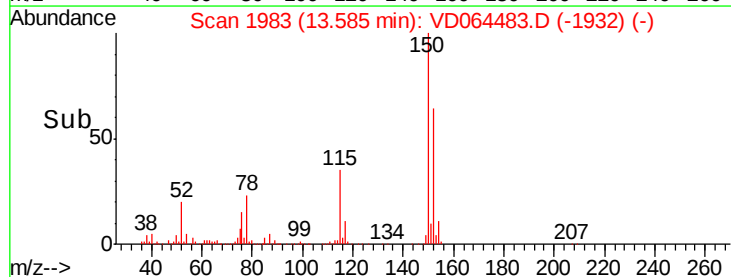
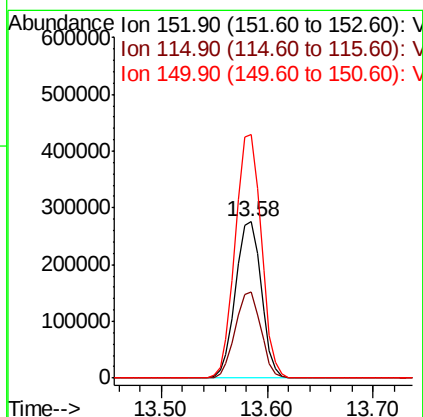
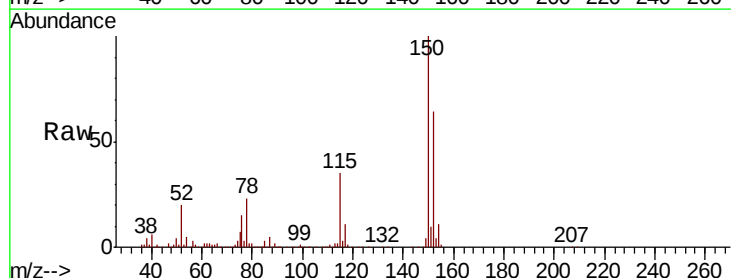
Instrument :
MSVOA_D
ClientSampleId :

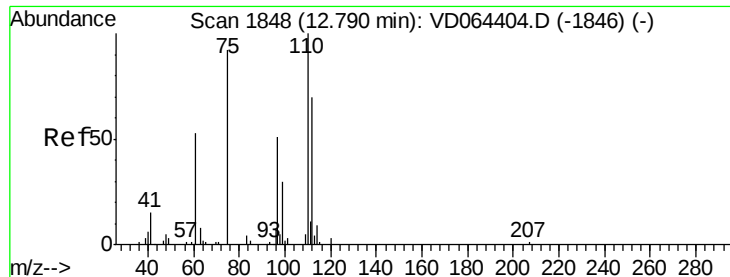
Tot Ion:117 Resp: 939403
Ion Ratio Lower Upper
117 100
82 54.4 41.4 62.2
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064483.D
Acq: 10 Dec 2019 10:59

Tgt Ion:152 Resp: 464067
Ion Ratio Lower Upper
152 100
115 54.8 26.7 80.1
150 157.5 0.0 347.2

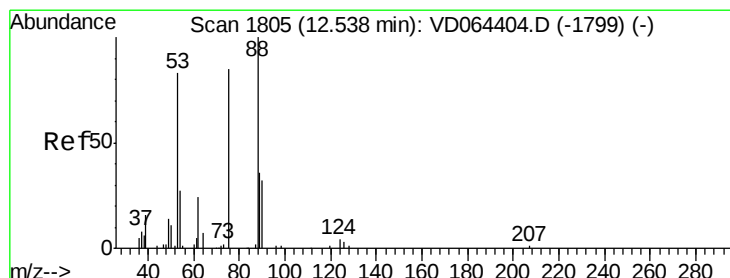
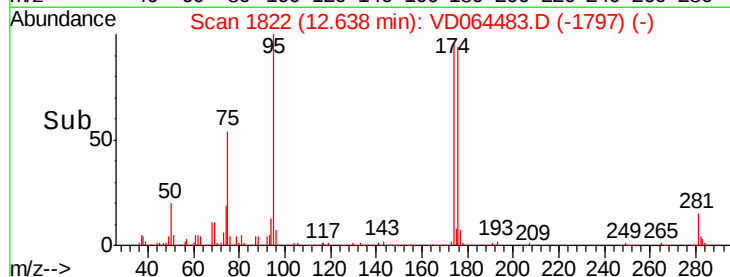
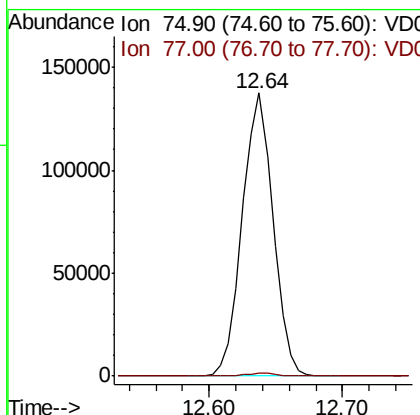
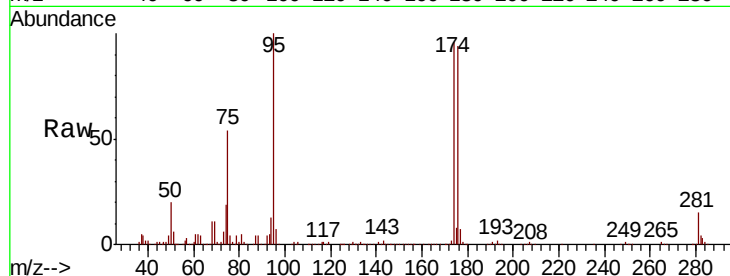




#76
 1,2,3-Trichloropropane
 Concen: 57.370 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064483.D
 Acq: 10 Dec 2019 10:59

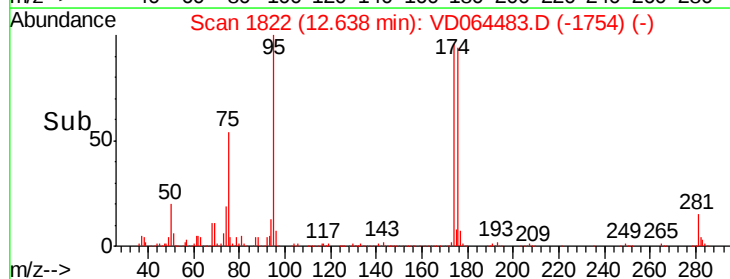
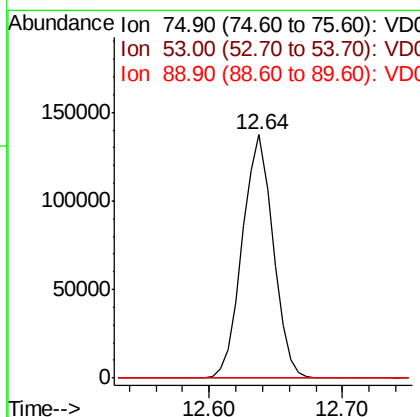
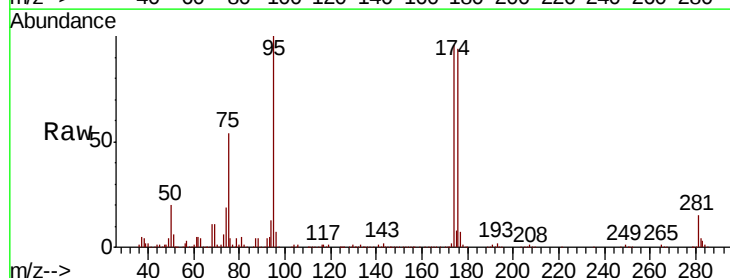
Instrument :
 MSVOA_D
 ClientSampleId :

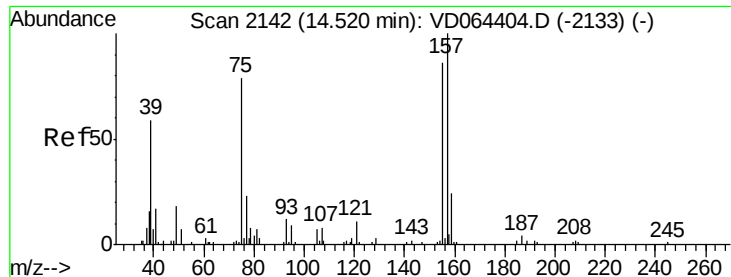
Tot Ion: 75 Resp: 218944
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.097 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD064483.D
 Acq: 10 Dec 2019 10:59

Tgt Ion: 75 Resp: 218944
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.2 38.5 57.7#

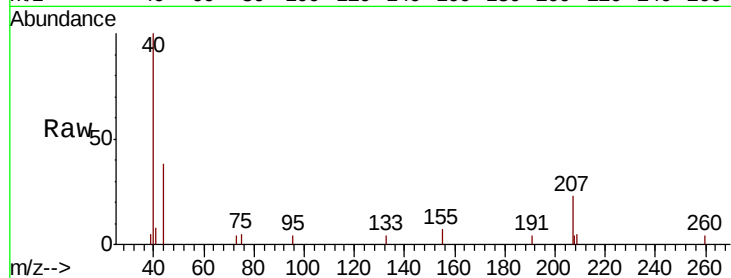




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064483.D
 Acq: 10 Dec 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
155	130.3	51.9	155.7
157	227.6	63.2	189.8



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

