

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064435.D
 Acq On : 05 Dec 2019 14:38
 Operator : VA/SY
 Sample : K6147-08
 Misc : 5.517G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:54:56 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	619853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	992007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	882634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	389757	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	271449	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	7.92	113	303540	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	10.34	98	1167142	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.64	95	362638	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	

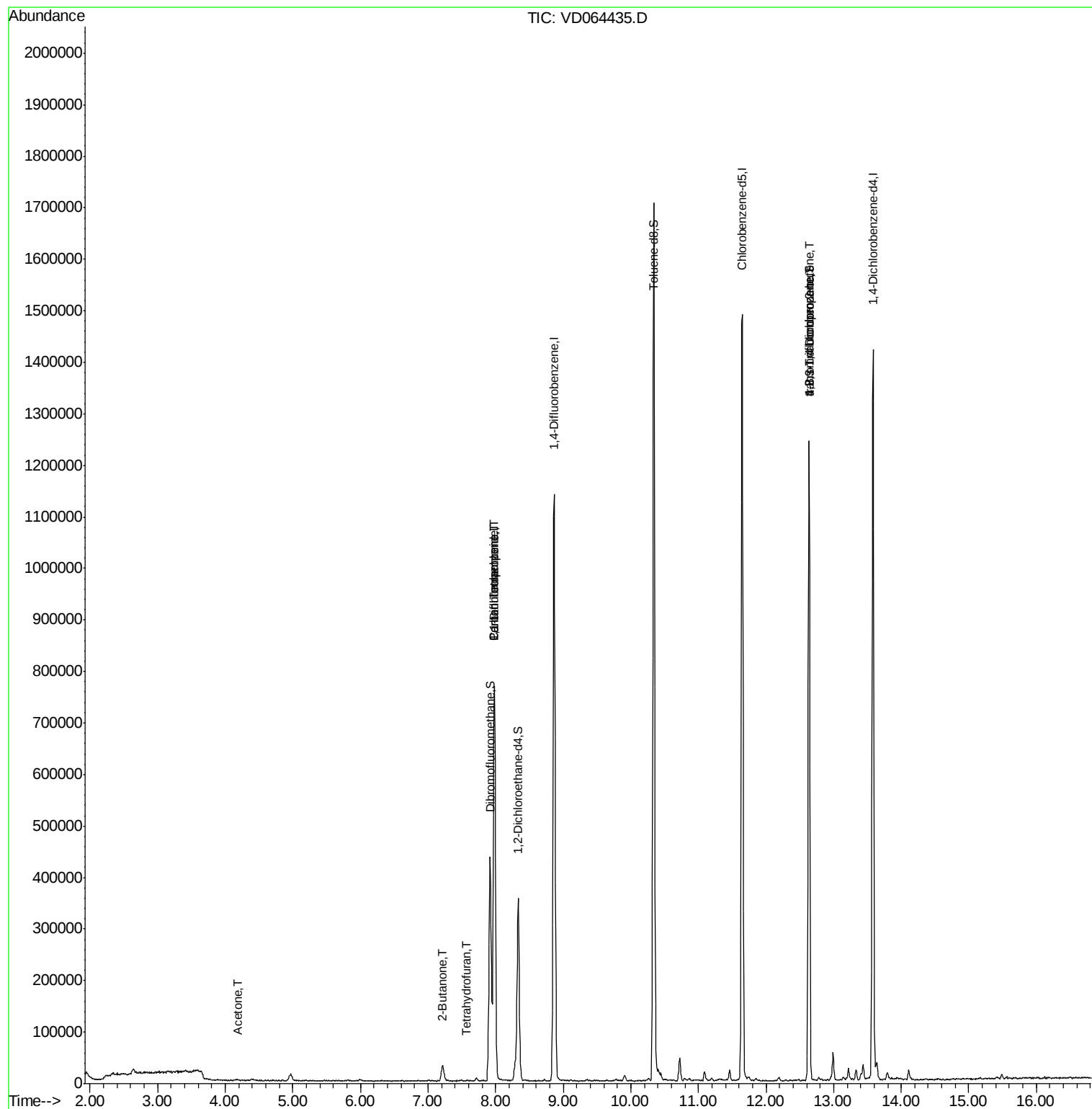
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.18	43	3175	2.800	ug/l #	71
20) Methylene Chloride	4.96	84	9381	Below Cal	#	80
25) 2-Butanone	7.22	43	2300	1.434	ug/l #	49
29) Tetrahydrofuran	7.57	42	1304	1.278	ug/l #	47
31) Cyclohexane	7.98	56	11782	Below Cal	#	35
36) 1,1-Dichloropropene	7.98	75	43007	4.583	ug/l #	48
38) Carbon Tetrachloride	7.98	117	58164	5.873	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	187216	58.409	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	187216	127.363	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	54	Below Cal	#	1

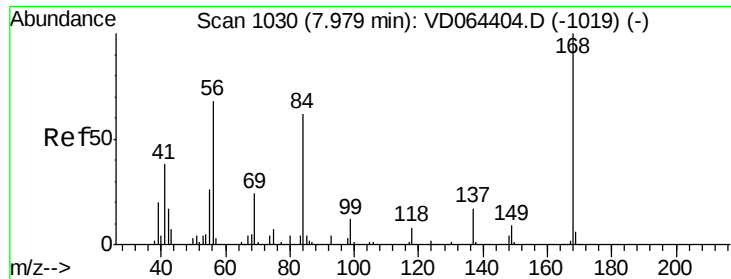
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.517G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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MSVOA_D
ClientSampled :

Quant Time: Dec 06 05:54:56 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# 1031

Delta R.T. 0.01 min

Lab File: VD064435.D

Acq: 05 Dec 2019 14:38

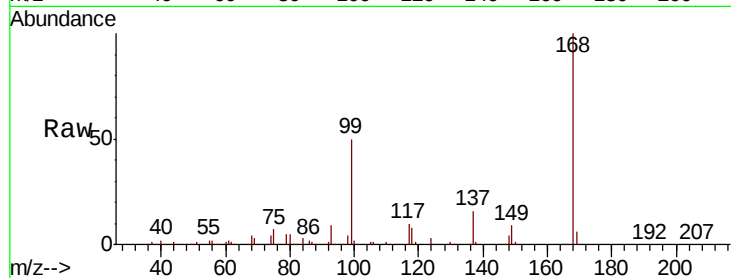
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 619853

Ion Ratio Lower Upper

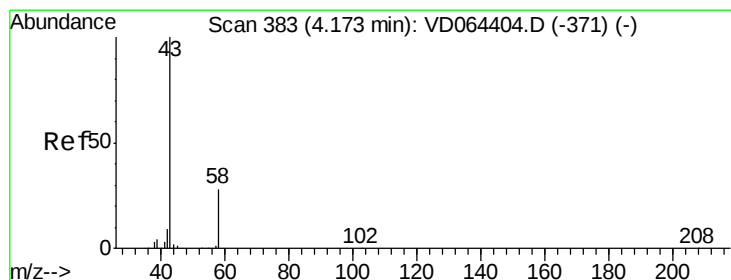
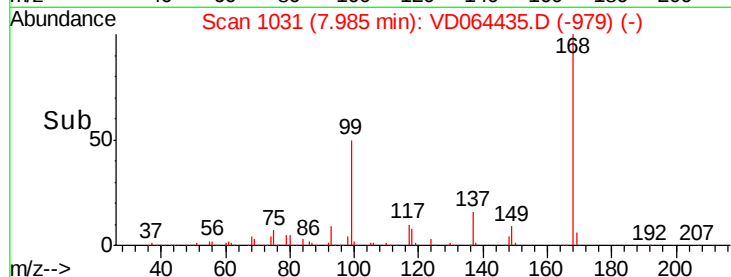
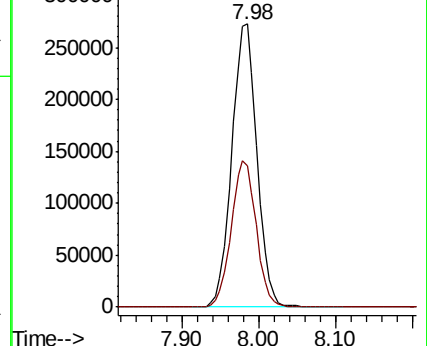
168 100

99 50.0 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: 2.800 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064435.D

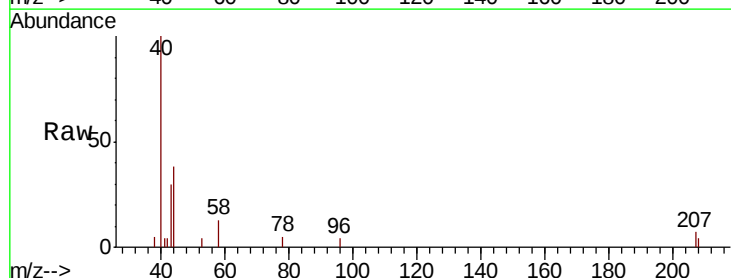
Acq: 05 Dec 2019 14:38

Tgt Ion: 43 Resp: 3175

Ion Ratio Lower Upper

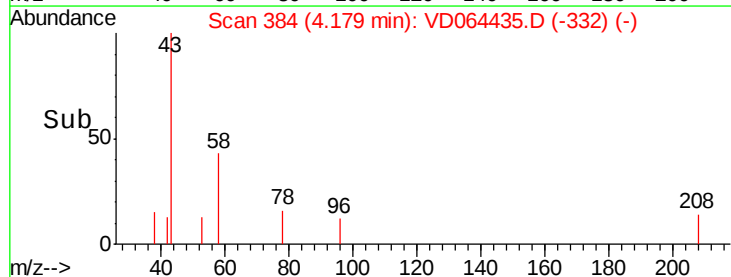
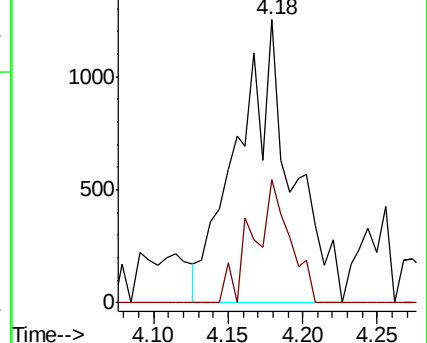
43 100

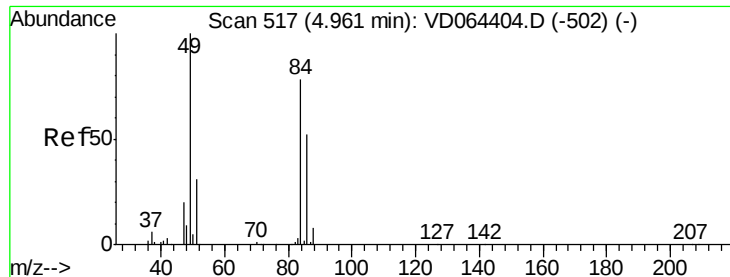
58 43.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

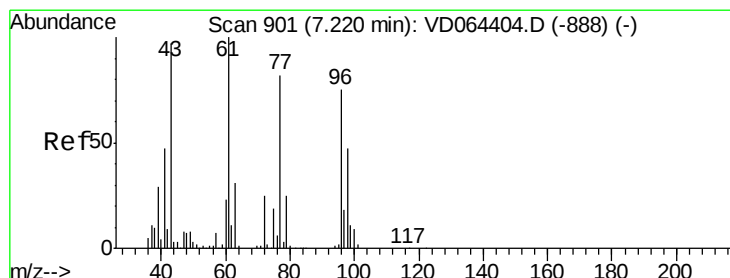
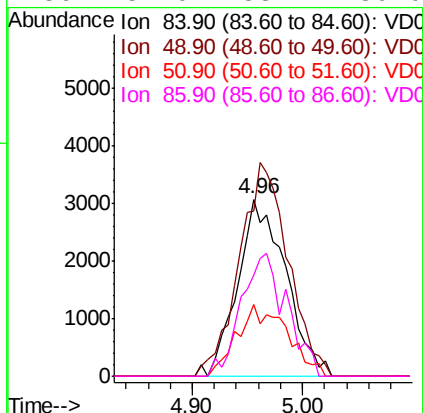
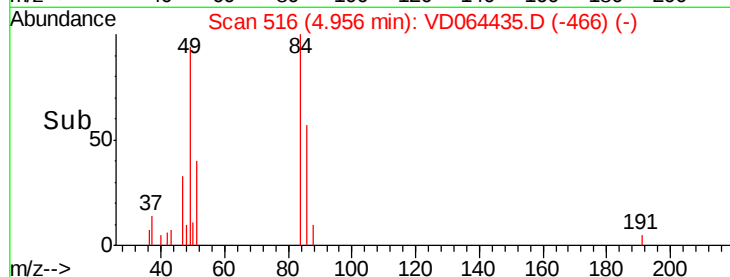
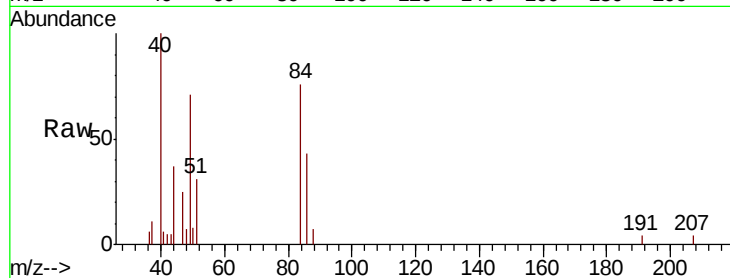




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064435.D
Acq: 05 Dec 2019 14:38

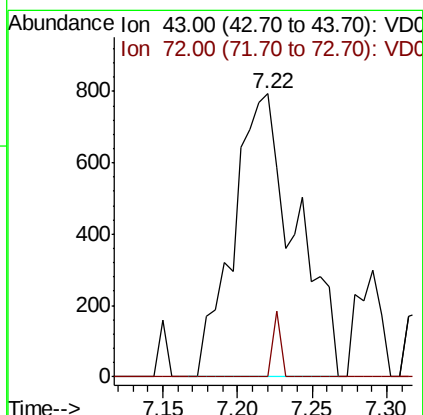
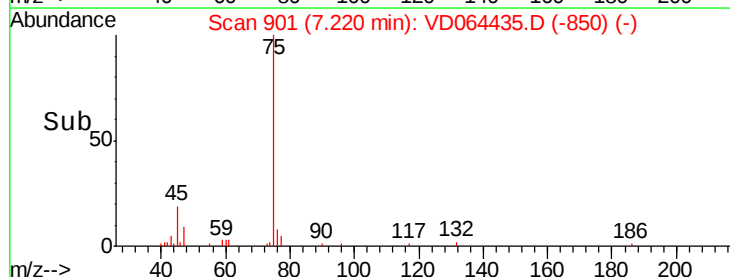
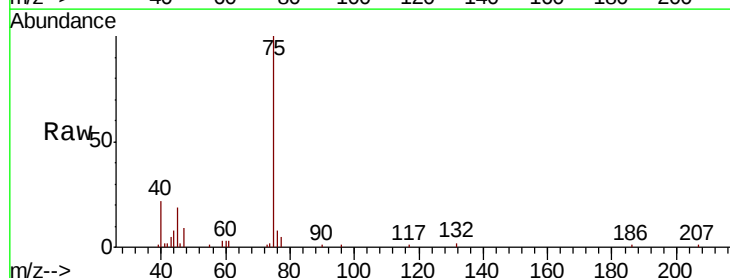
Instrument :
MSVOA_D
ClientSampleId :

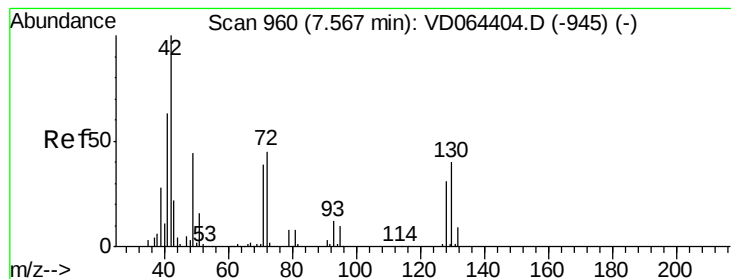
Tot Ion: 84 Resp: 9381
Ion Ratio Lower Upper
84 100
49 93.6 102.6 153.8#
51 40.5 32.0 48.0
86 57.0 53.4 80.0



#25
2-Butanone
Concen: 1.434 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064435.D
Acq: 05 Dec 2019 14:38

Tgt Ion: 43 Resp: 2300
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#29

Tetrahydrofuran

Concen: 1.278 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064435.D

Acq: 05 Dec 2019 14:38

Instrument :

MSVOA_D

ClientSampled :

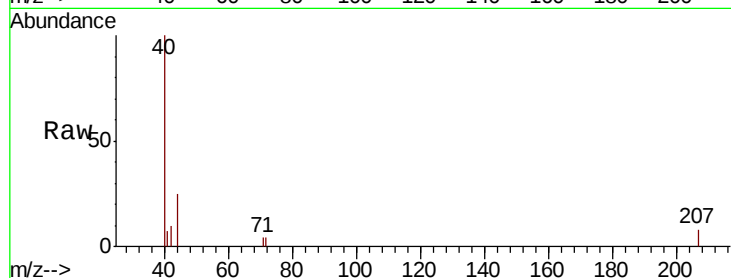
Tot Ion: 42 Resp: 1304

Ion Ratio Lower Upper

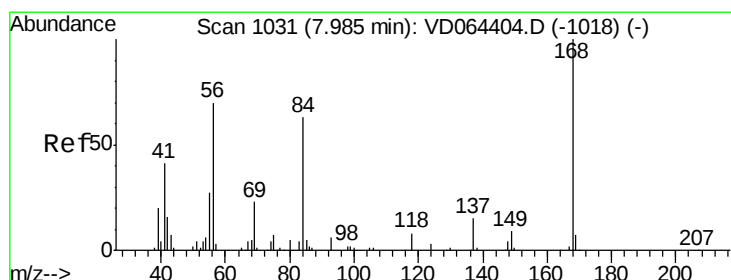
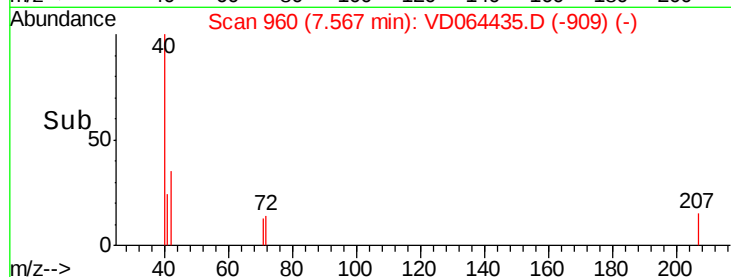
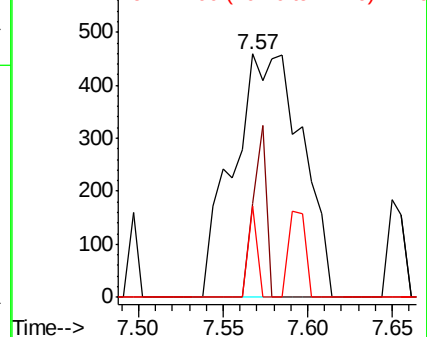
42 100

72 13.6 35.8 53.8#

71 4.7 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064435.D

Acq: 05 Dec 2019 14:38

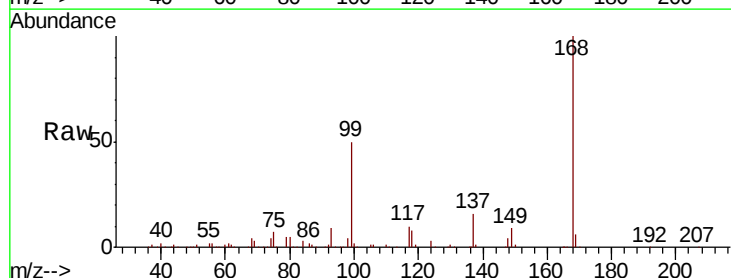
Tgt Ion: 56 Resp: 11782

Ion Ratio Lower Upper

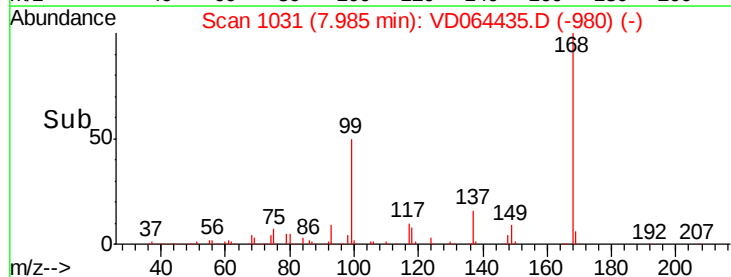
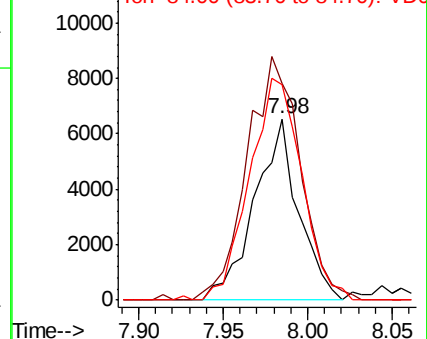
56 100

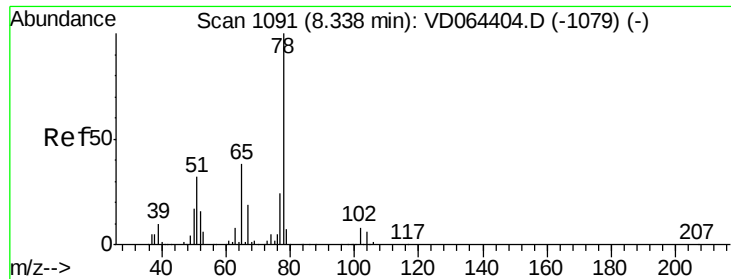
69 117.2 26.2 39.4#

84 118.7 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

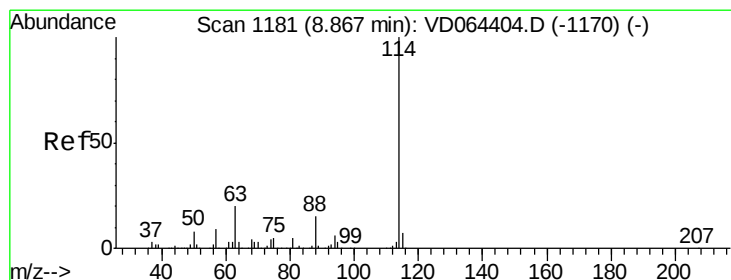
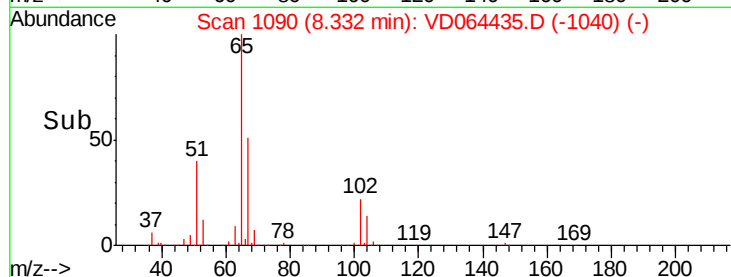
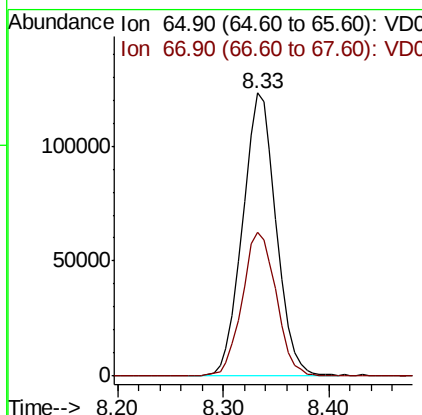
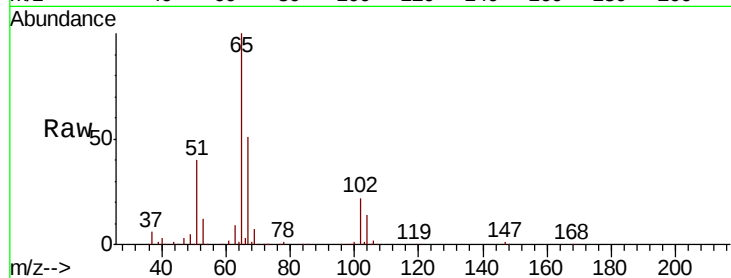




#33
 1,2-Dichloroethane-d4
 Concen: 48.382 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064435.D
 Acq: 05 Dec 2019 14:38

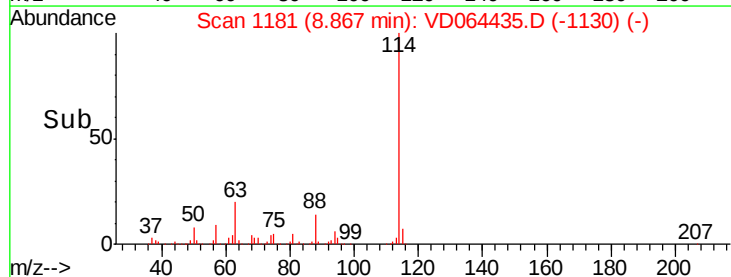
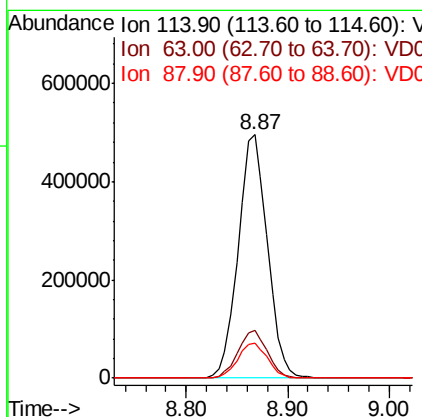
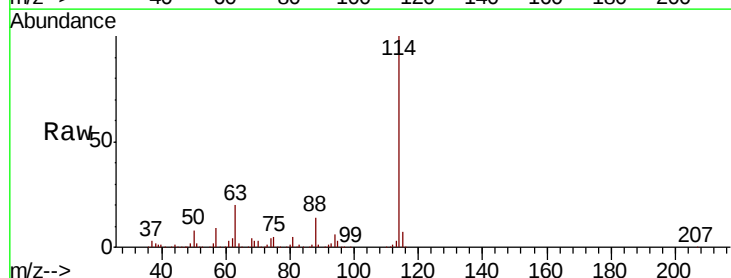
Instrument :
 MSVOA_D
 ClientSampleId :

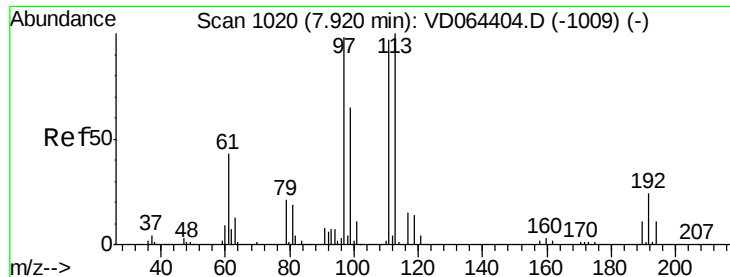
Tot Ion: 65 Resp: 271449
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064435.D
 Acq: 05 Dec 2019 14:38

Tgt Ion: 114 Resp: 992007
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 14.5 0.0 29.2

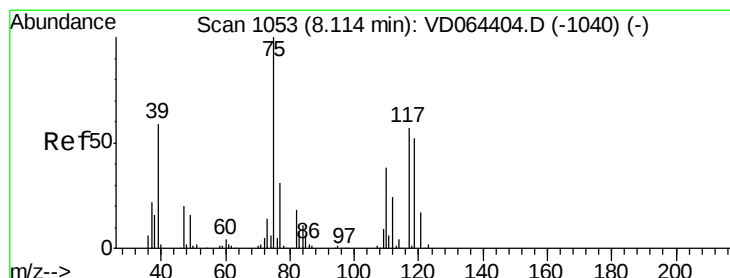
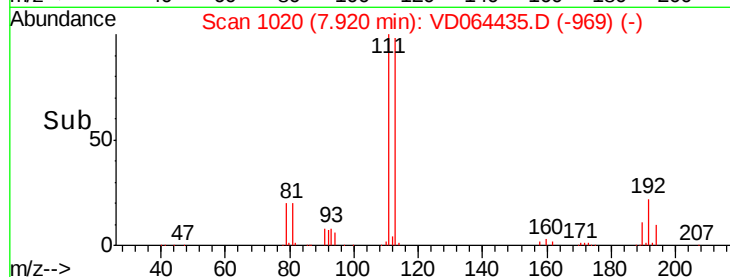
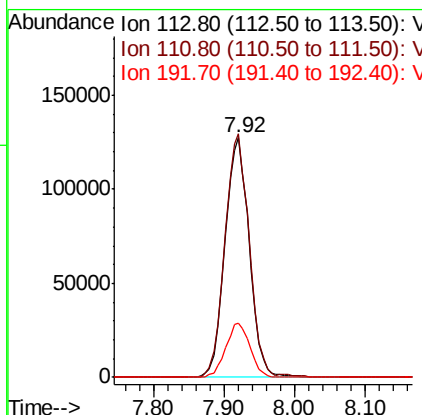
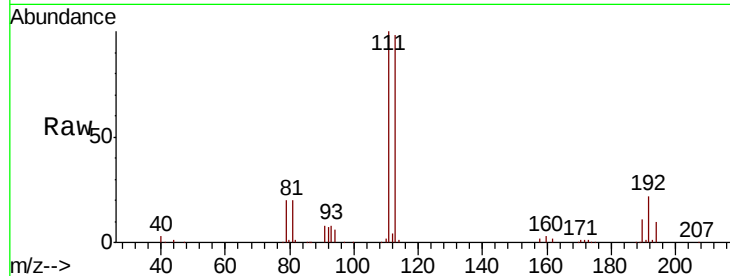




#35
 Dibromofluoromethane
 Concen: 48.565 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064435.D
 Acq: 05 Dec 2019 14:38

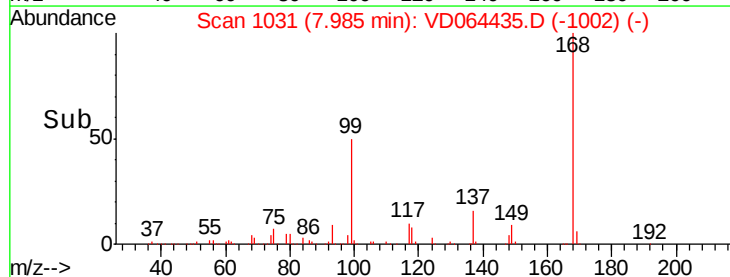
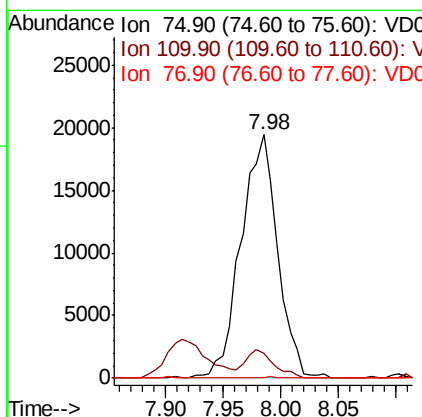
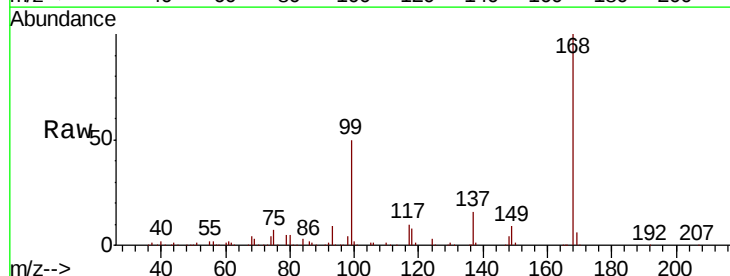
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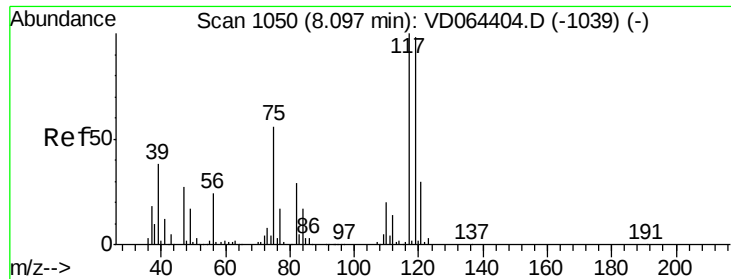
Tot Ion:113 Resp: 303540
 Ion Ratio Lower Upper
 113 100
 111 102.1 79.4 119.2
 192 22.5 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 4.583 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064435.D
 Acq: 05 Dec 2019 14:38

Tgt Ion: 75 Resp: 43007
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.6 55.8#
 77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.873 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064435.D

Acq: 05 Dec 2019 14:38

Instrument :

MSVOA_D

ClientSampled :

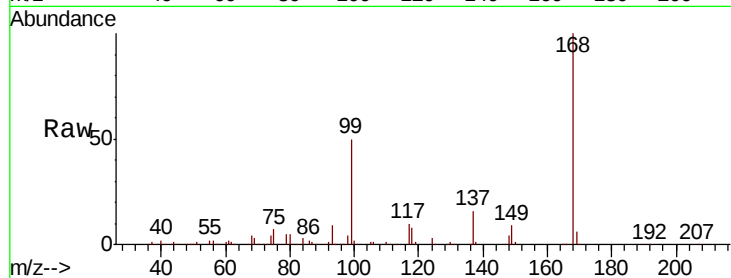
Tot Ion:117 Resp: 58164

Ion Ratio Lower Upper

117 100

119 5.6 78.8 118.2#

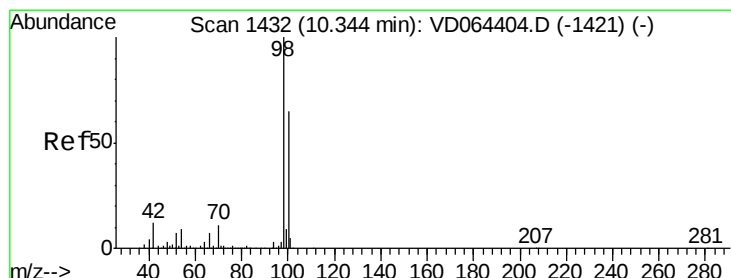
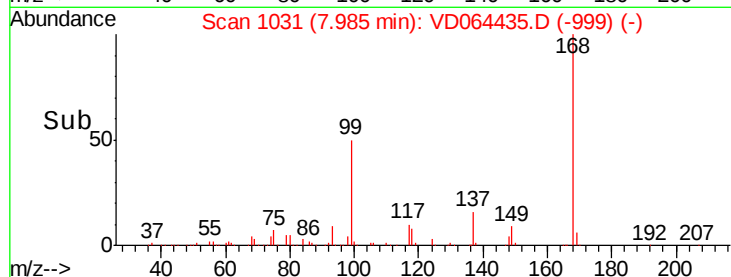
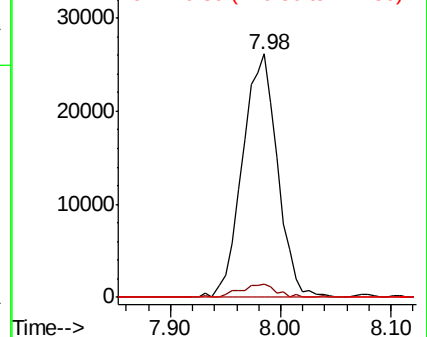
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.574 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064435.D

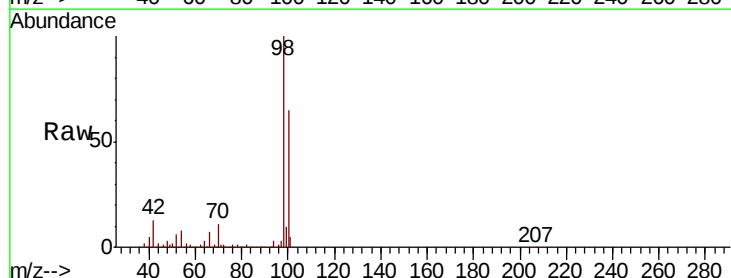
Acq: 05 Dec 2019 14:38

Tgt Ion: 98 Resp: 1167142

Ion Ratio Lower Upper

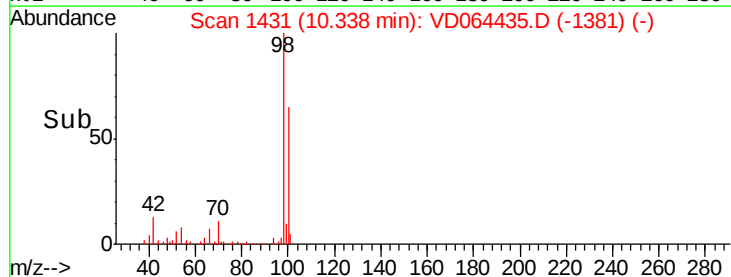
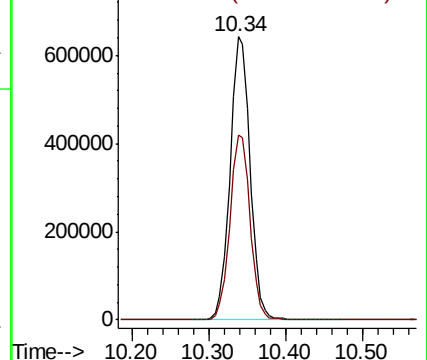
98 100

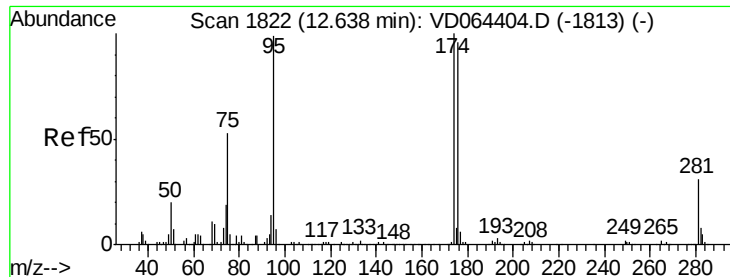
100 65.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

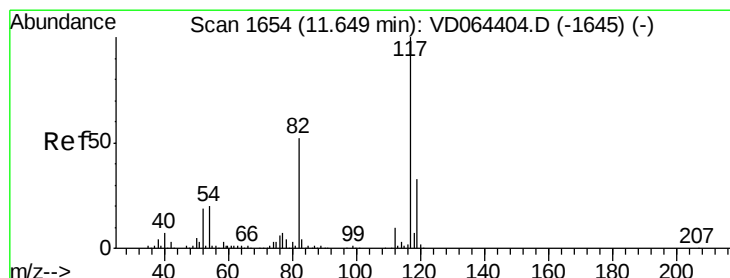
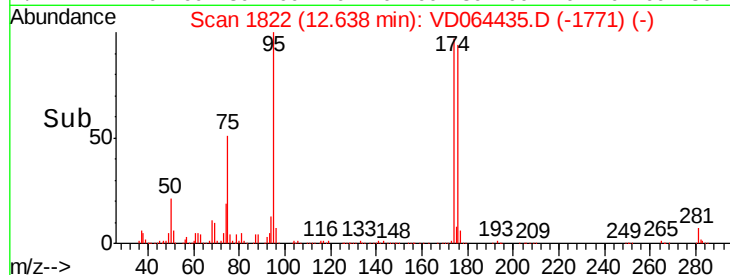
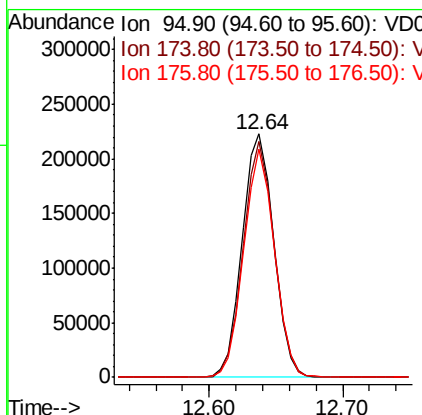
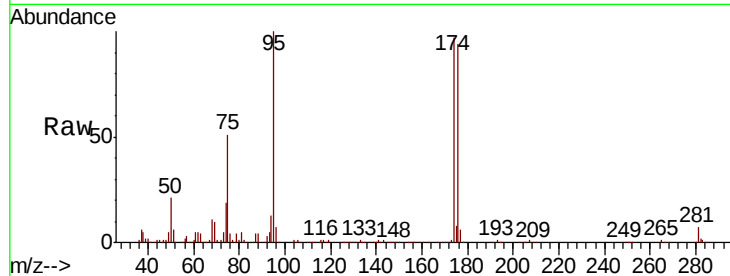




#62
4-Bromofluorobenzene
Concen: 47.928 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064435.D
Acq: 05 Dec 2019 14:38

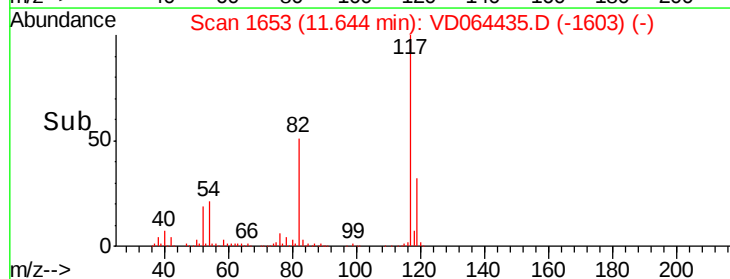
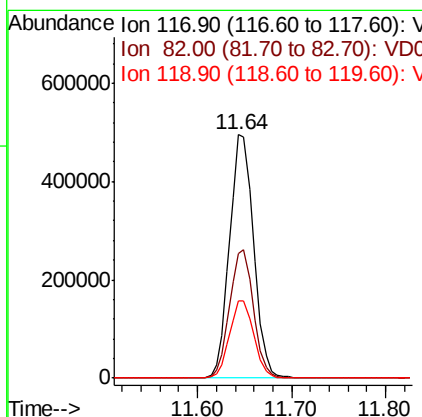
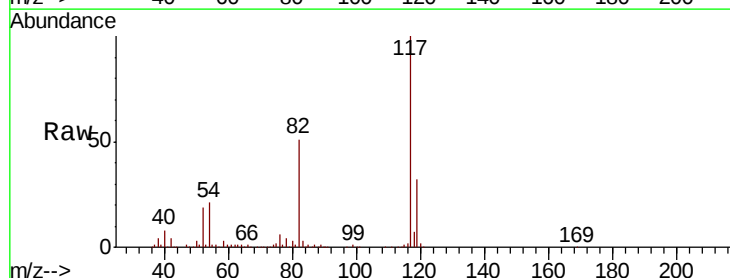
Instrument :
MSVOA_D
ClientSampleId :

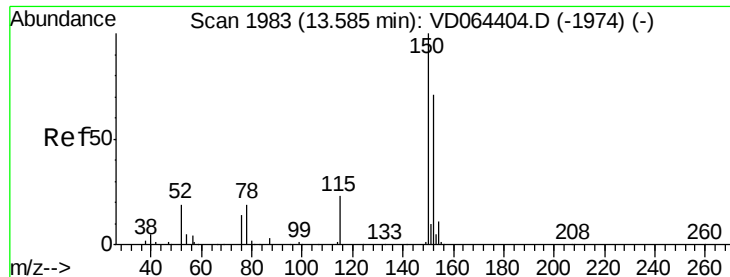
Tot Ion: 95 Resp: 362638
Ion Ratio Lower Upper
95 100
174 95.1 0.0 197.2
176 91.3 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064435.D
Acq: 05 Dec 2019 14:38

Tgt Ion: 117 Resp: 882634
Ion Ratio Lower Upper
117 100
82 51.3 41.4 62.2
119 31.7 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: VD064435.D

Acq: 05 Dec 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

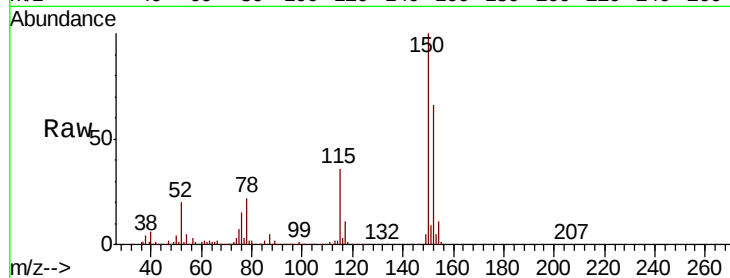
Tot Ion:152 Resp: 389757

Ion Ratio Lower Upper

152 100

115 54.1 26.7 80.1

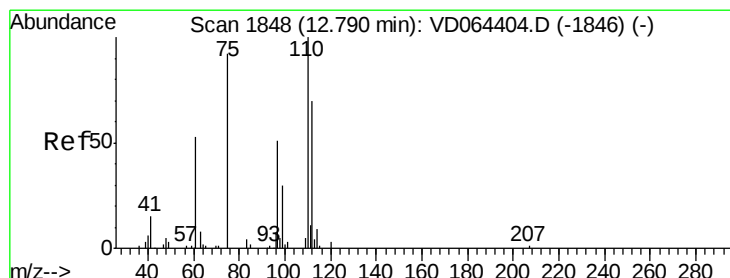
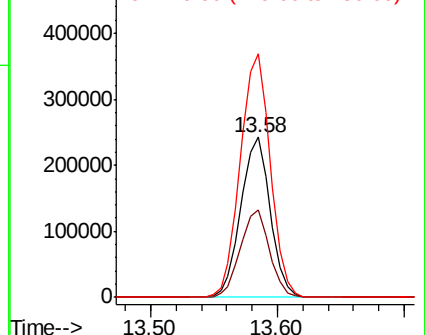
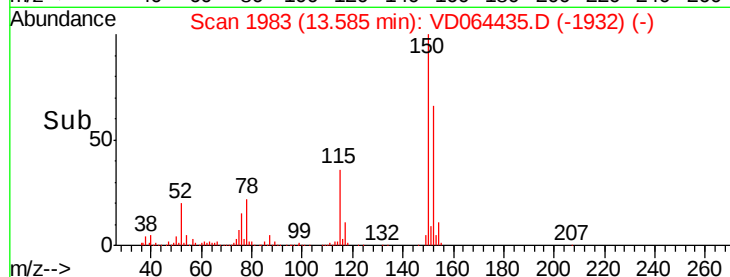
150 154.9 0.0 347.2



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: 58.409 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064435.D

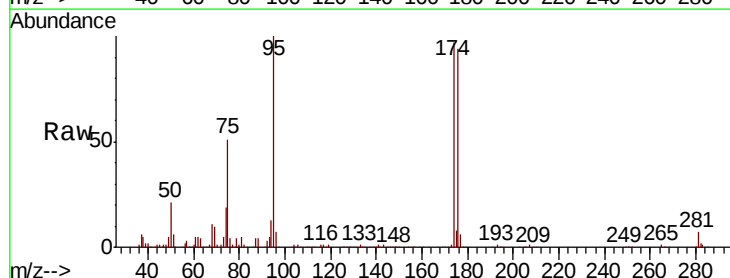
Acq: 05 Dec 2019 14:38

Tgt Ion: 75 Resp: 187216

Ion Ratio Lower Upper

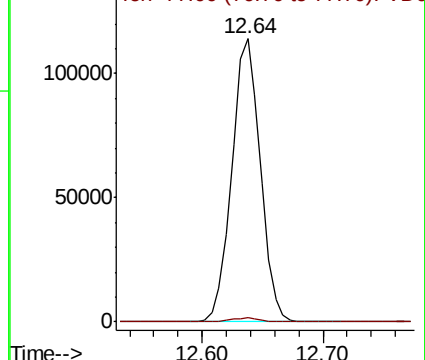
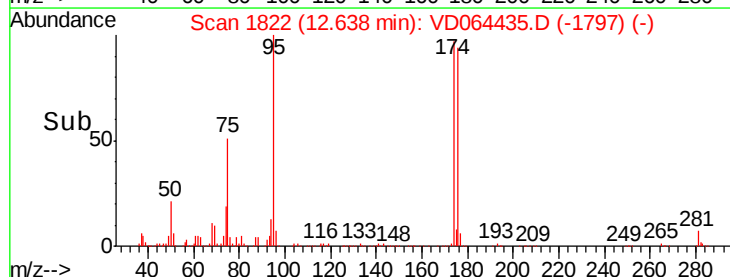
75 100

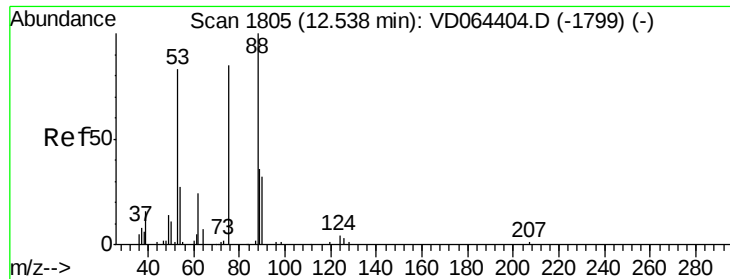
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 127.363 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064435.D

Acq: 05 Dec 2019 14:38

Instrument :

MSVOA_D

ClientSampled :

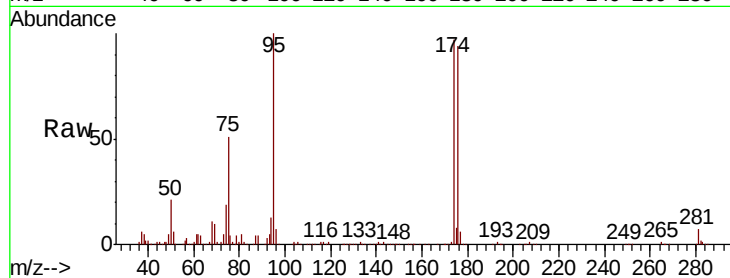
Tot Ion: 75 Resp: 187216

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

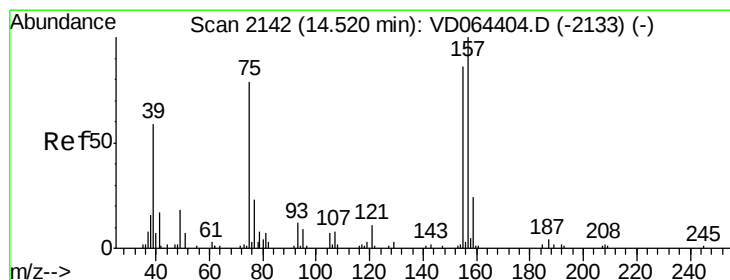
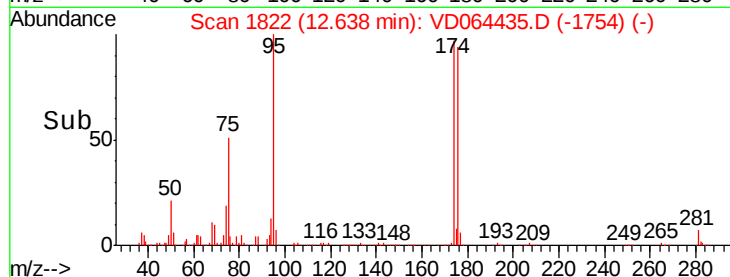
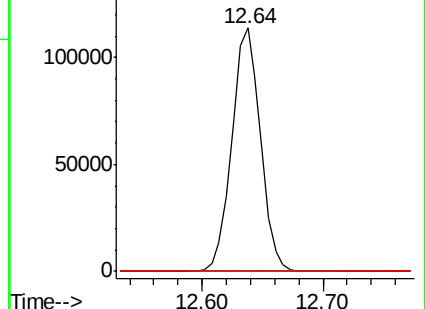
89 0.1 38.5 57.7#



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# 2138

Delta R.T. -0.02 min

Lab File: VD064435.D

Acq: 05 Dec 2019 14:38

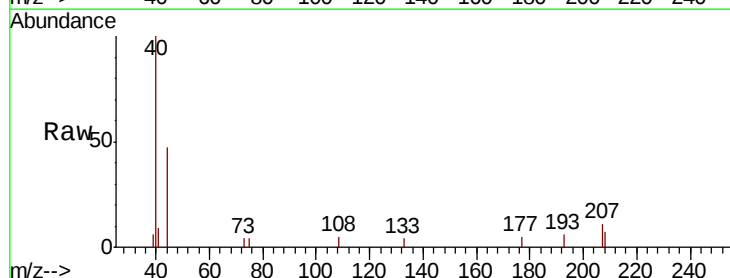
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 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

