

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064432.D
 Acq On : 05 Dec 2019 13:12
 Operator : VA/SY
 Sample : K6162-02
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:54:14 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	650042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1052829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	960981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	461784	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	290305	49.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.68%	
35) Dibromofluoromethane	7.92	113	322646	48.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.28%	
50) Toluene-d8	10.34	98	1269714	50.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.64	95	408139	50.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.66%	

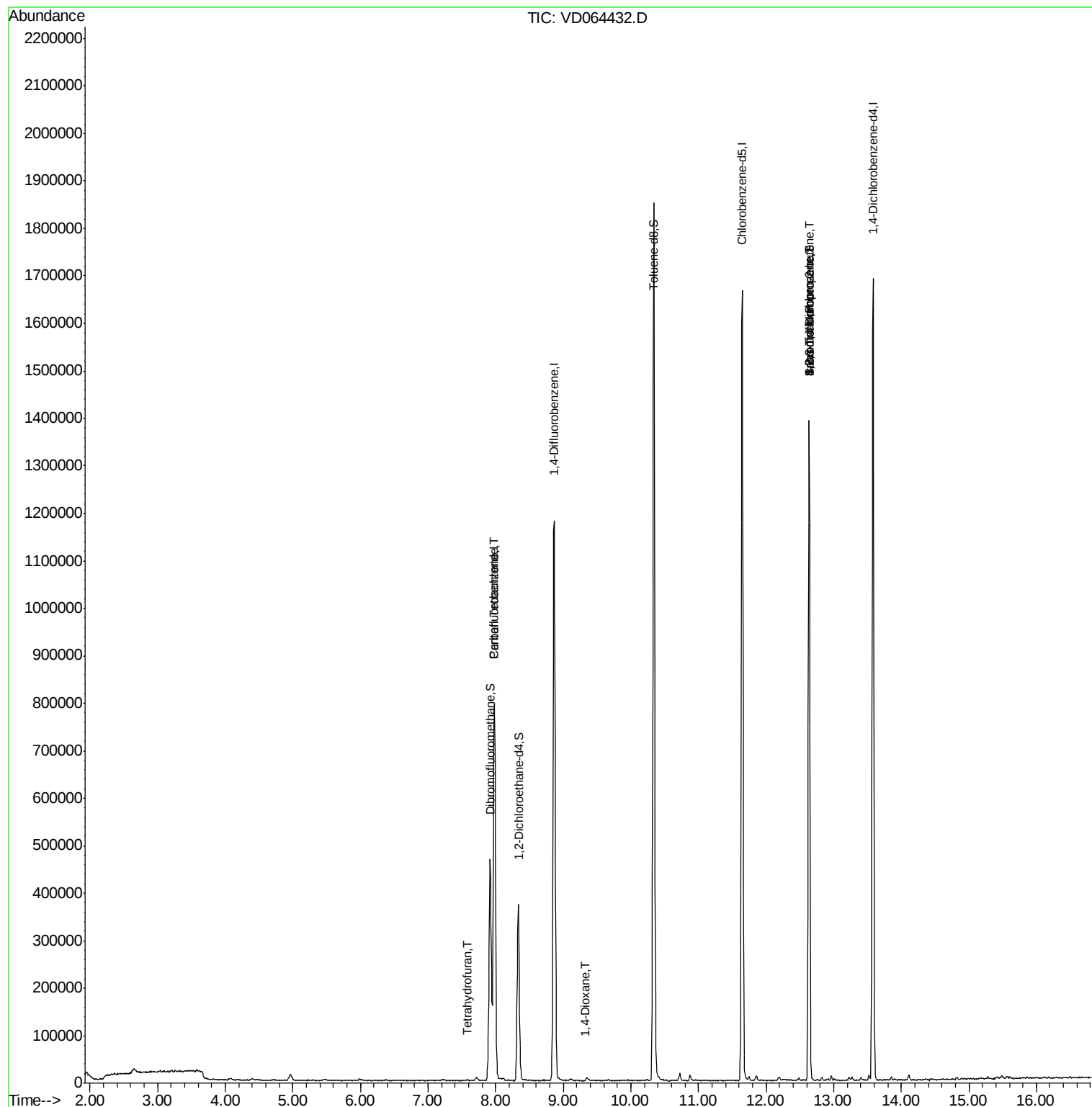
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	8670	Below Cal		95
29) Tetrahydrofuran	7.57	42	1147	1.072	ug/l #	52
31) Cyclohexane	7.98	56	15153	Below Cal	#	31
38) Carbon Tetrachloride	7.98	117	59045	5.618	ug/l #	15
49) 1,4-Dioxane	9.33	88	81	1.757	ug/l #	1
71) Bromoform	12.64	173	4447	1.002	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	214800	56.563	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	214800	123.336	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	124	Below Cal	#	1

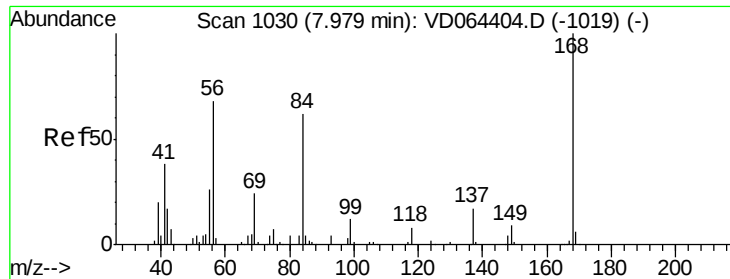
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
Data File : VD064432.D
Acq On : 05 Dec 2019 13:12
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 05:54:14 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: VD064432.D

Acq: 05 Dec 2019 13:12

Instrument :

MSVOA_D

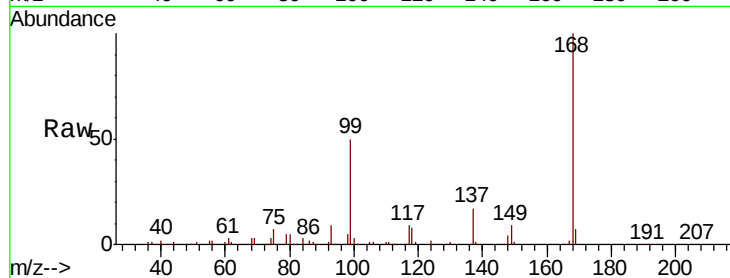
ClientSampleId :

Tot Ion:168 Resp: 650042

Ion Ratio Lower Upper

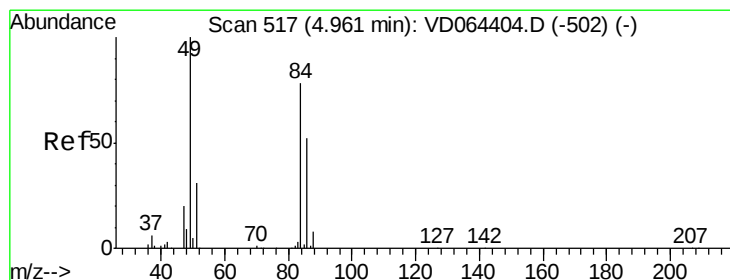
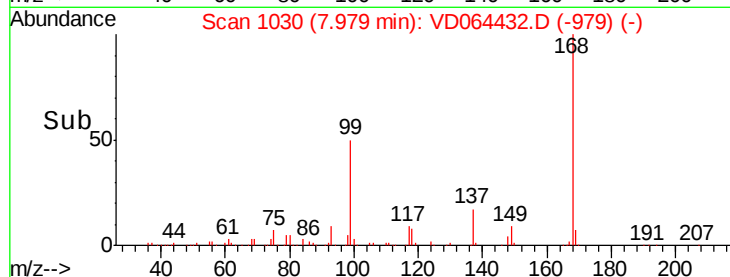
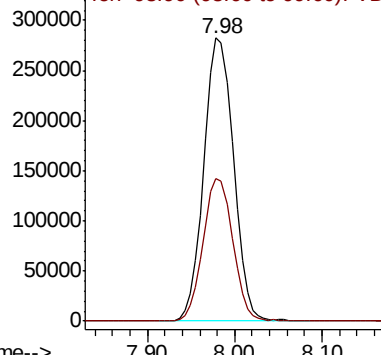
168 100

99 50.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

Tgt Ion: 84 Resp: 8670

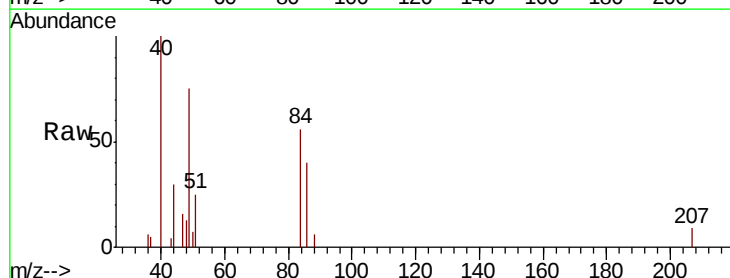
Ion Ratio Lower Upper

84 100

49 133.8 102.6 153.8

51 44.1 32.0 48.0

86 71.1 53.4 80.0

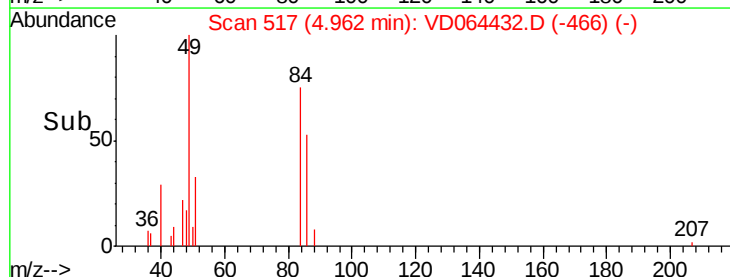
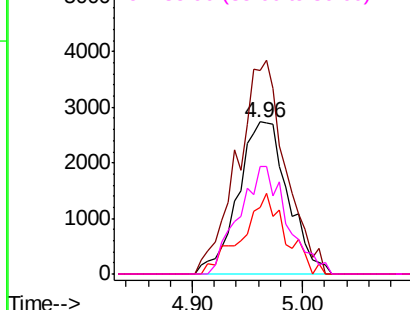


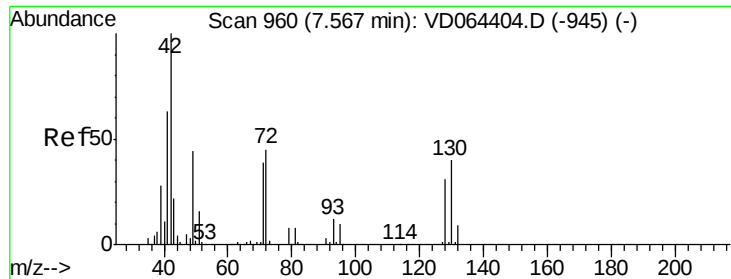
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

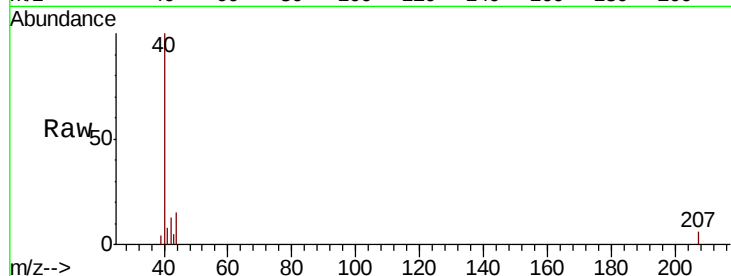




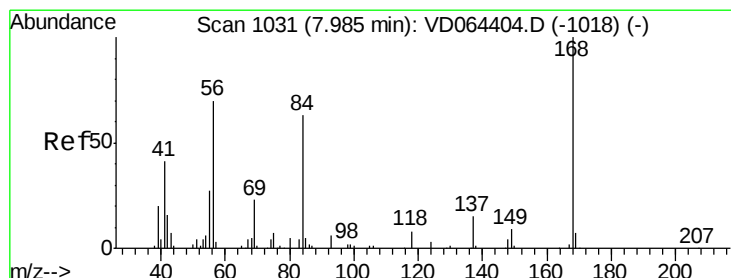
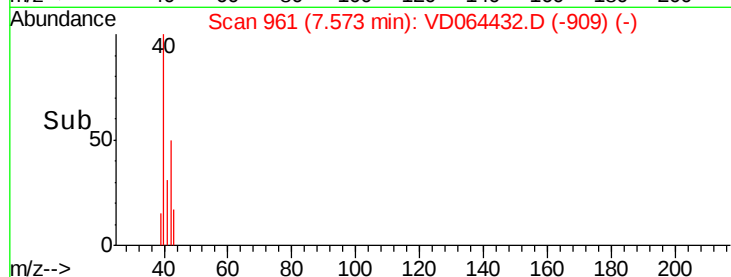
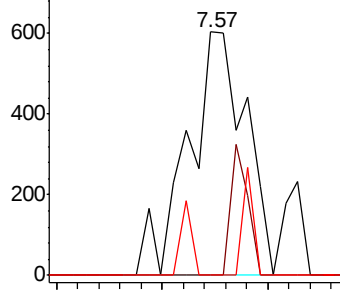
#29
Tetrahydrofuran
Concen: 1.072 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 1147
Ion Ratio Lower Upper
42 100
72 16.0 35.8 53.8#
71 8.3 32.7 49.1#

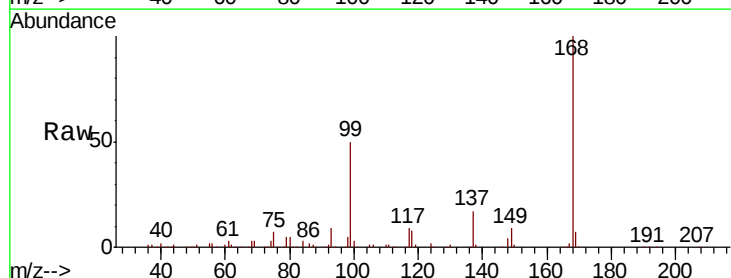


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

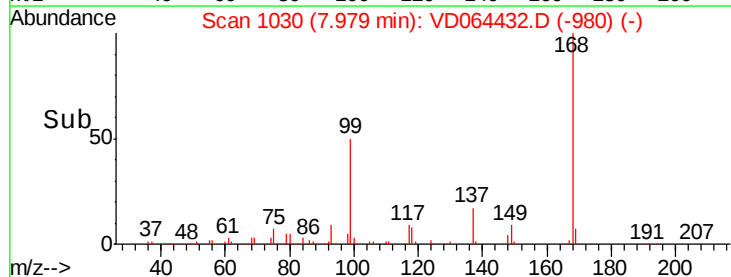
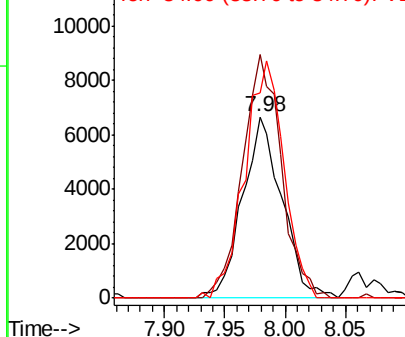


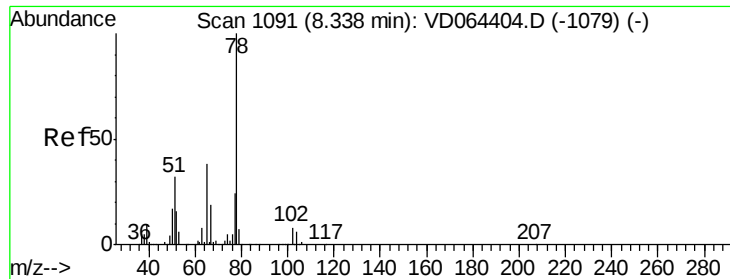
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

Tgt Ion: 56 Resp: 15153
Ion Ratio Lower Upper
56 100
69 134.2 26.2 39.4#
84 113.3 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

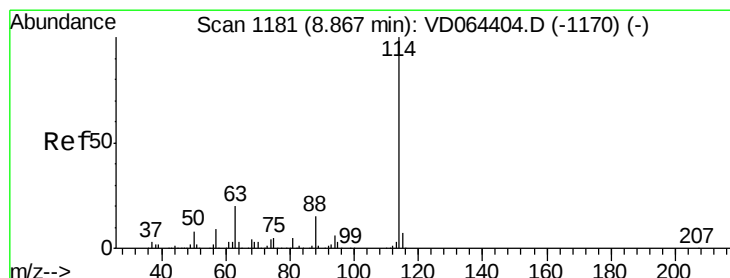
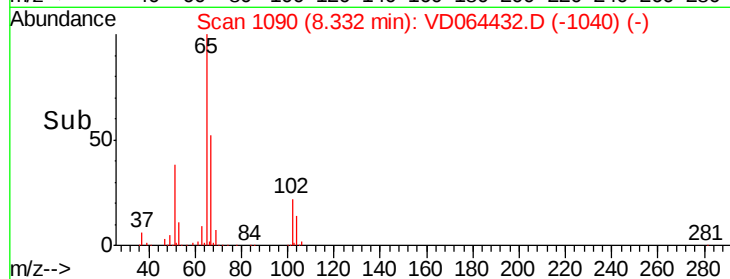
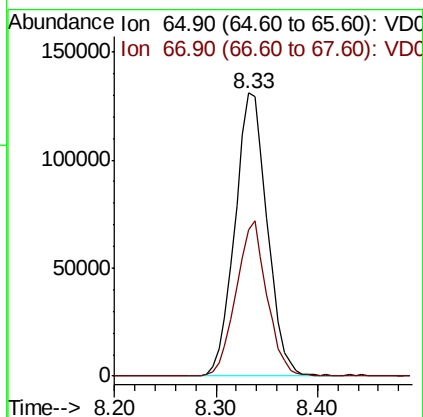
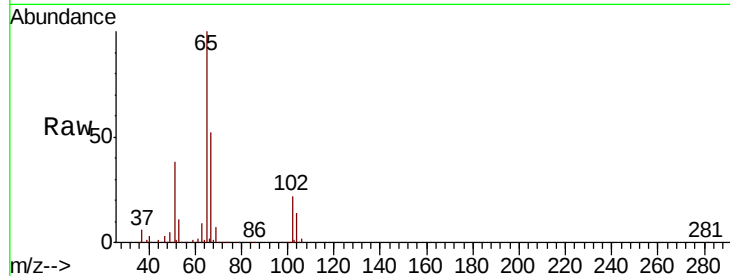




#33
 1,2-Dichloroethane-d4
 Concen: 49.339 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064432.D
 Acq: 05 Dec 2019 13:12

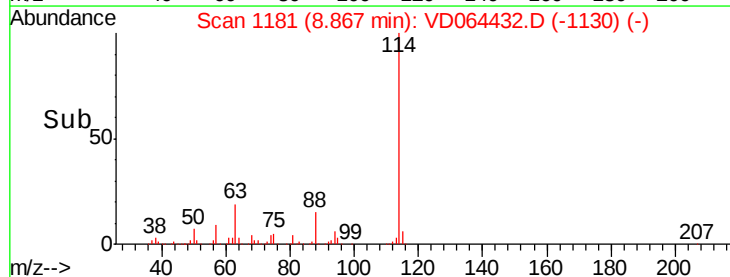
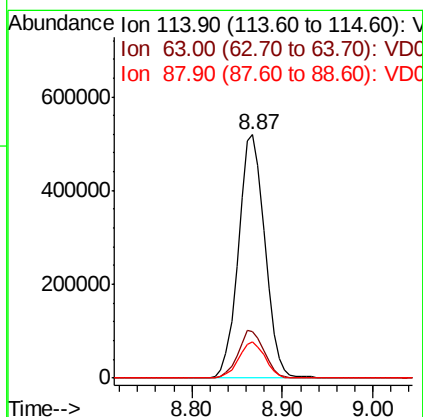
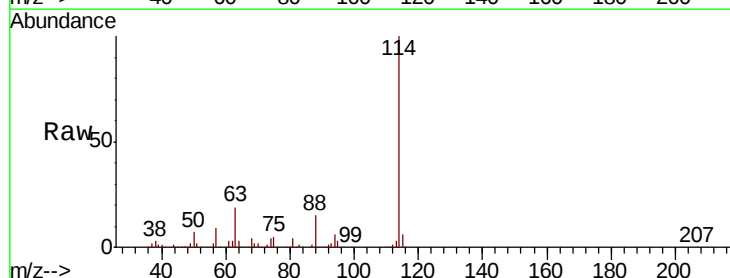
Instrument :
 MSVOA_D
 ClientSampled :

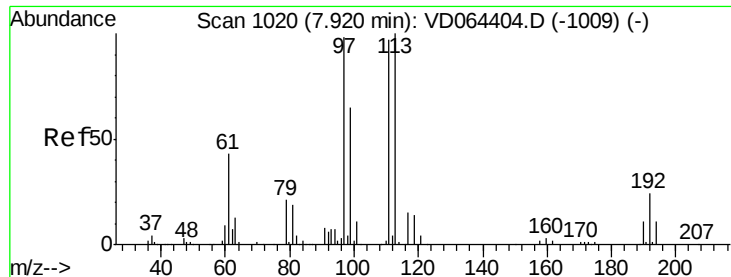
Tot Ion: 65 Resp: 290305
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064432.D
 Acq: 05 Dec 2019 13:12

Tgt Ion:114 Resp: 1052829
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.1 0.0 29.2

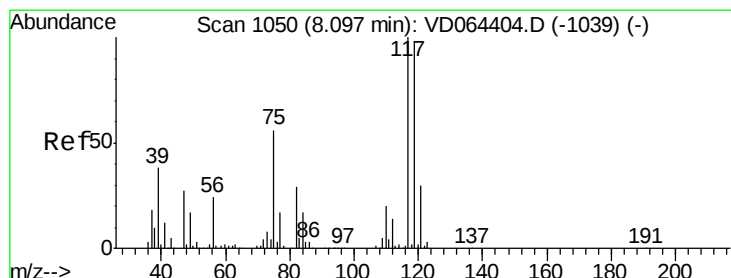
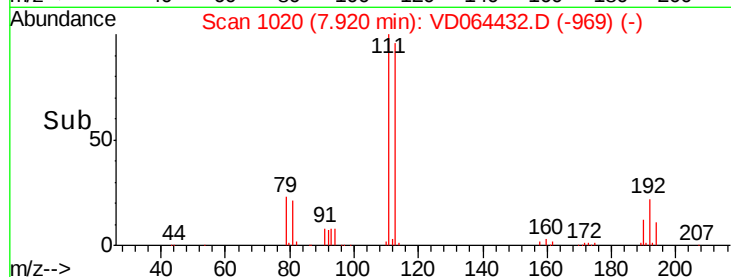
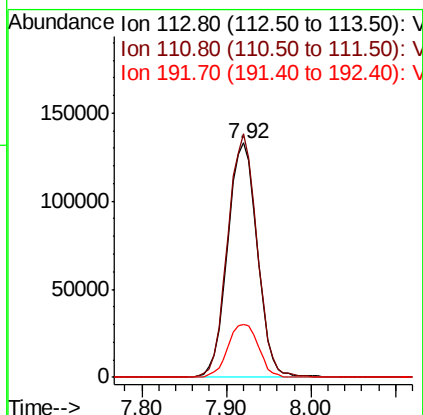
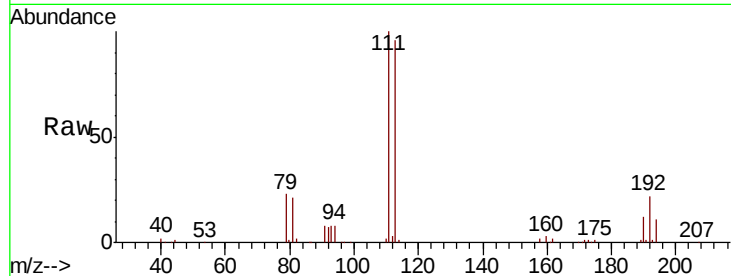




#35
Dibromofluoromethane
Concen: 48.640 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

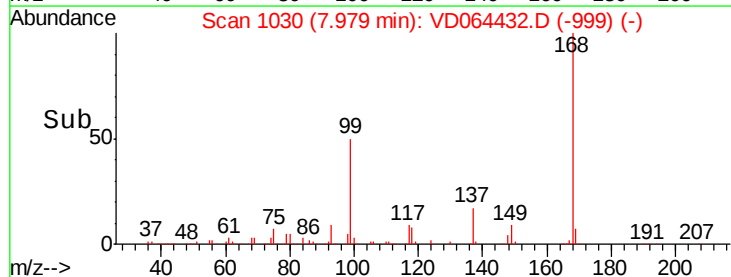
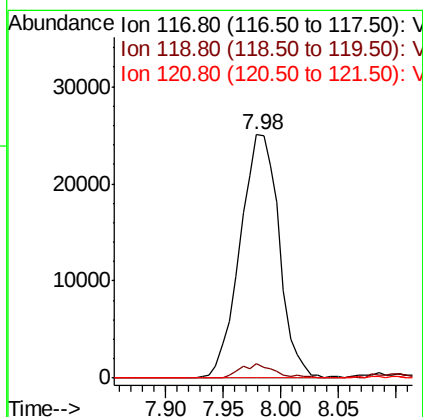
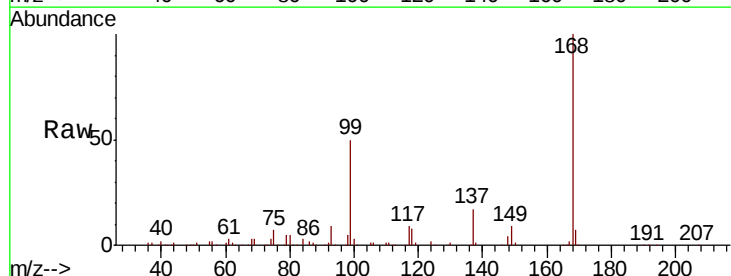
Instrument :
MSVOA_D
ClientSampleId :

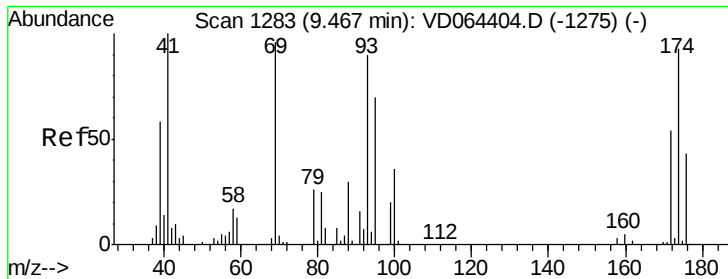
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.4	119.2
192	23.4	18.6	28.0



#38
Carbon Tetrachloride
Concen: 5.618 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.8	118.2#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 1.757 ug/l

RT: 9.33 min Scan# 1259

Delta R.T. -0.14 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampled :

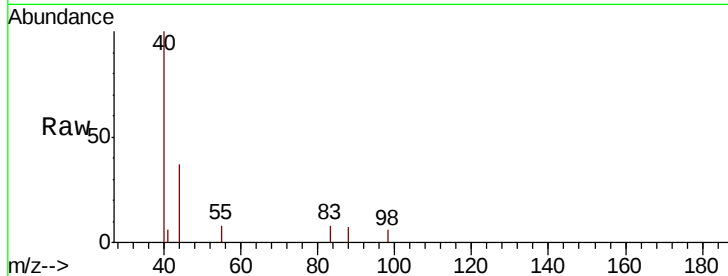
Tot Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 260.5 26.7 40.1#

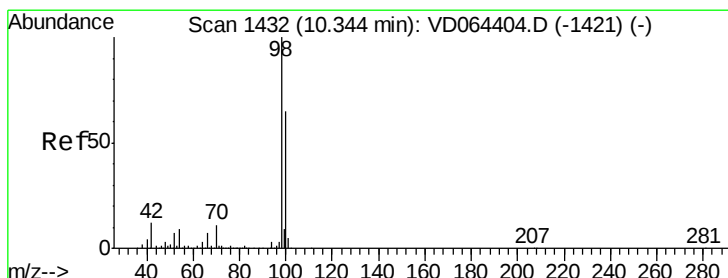
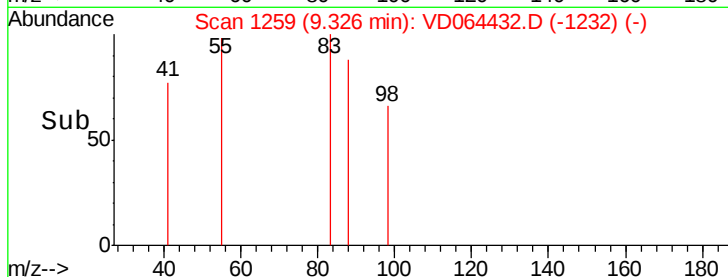
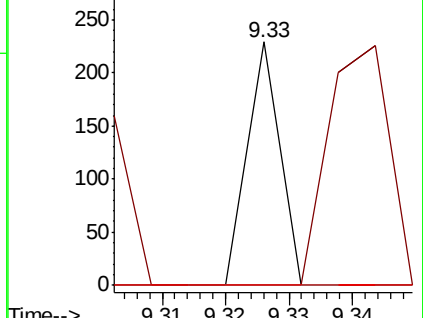
58 0.0 52.3 78.5#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.815 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064432.D

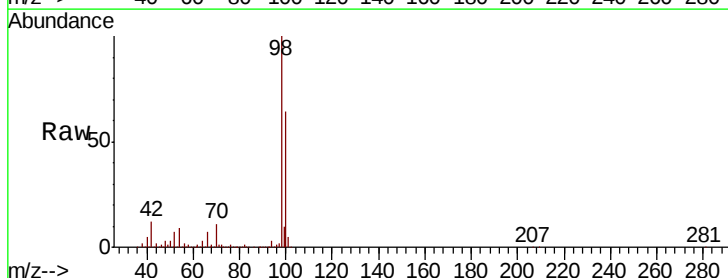
Acq: 05 Dec 2019 13:12

Tgt Ion: 98 Resp: 1269714

Ion Ratio Lower Upper

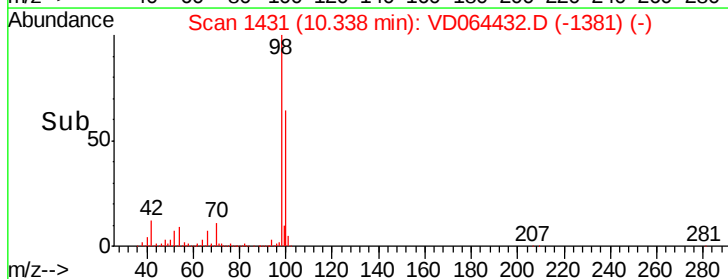
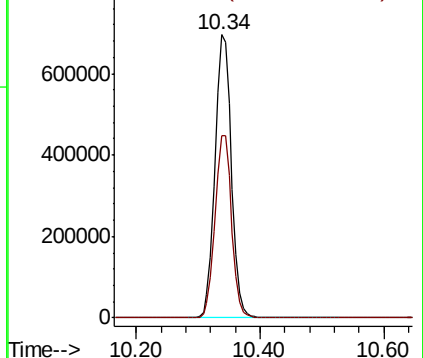
98 100

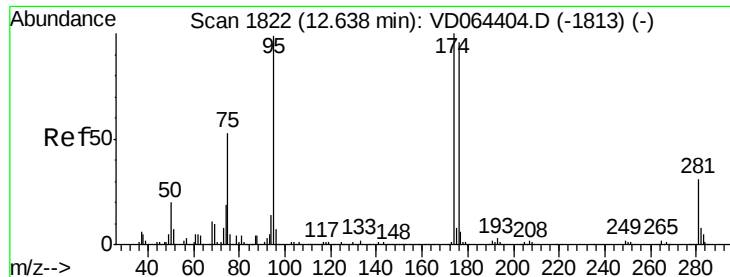
100 65.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

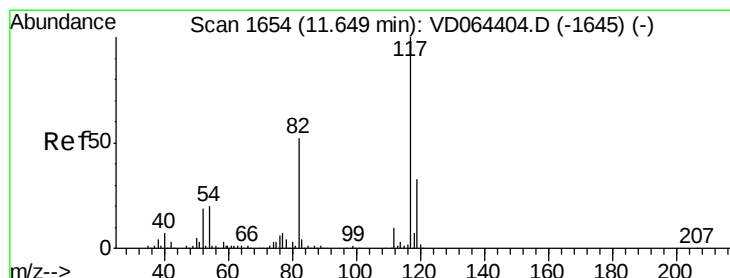
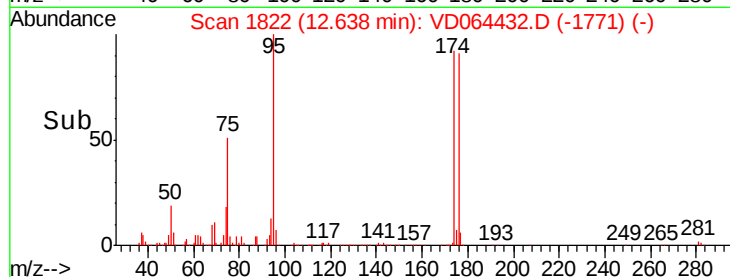
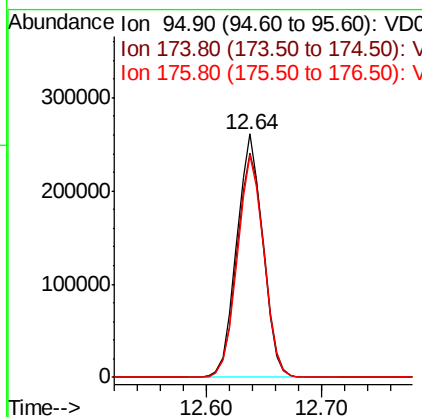
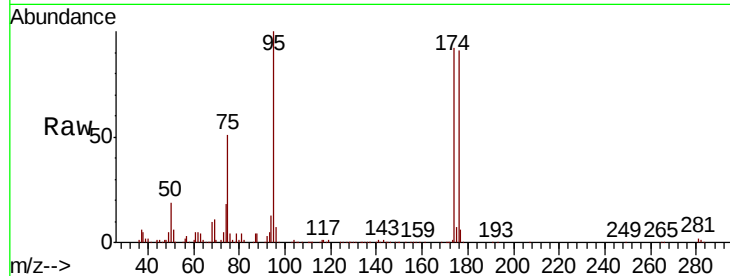




#62
4-Bromofluorobenzene
Concen: 50.826 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

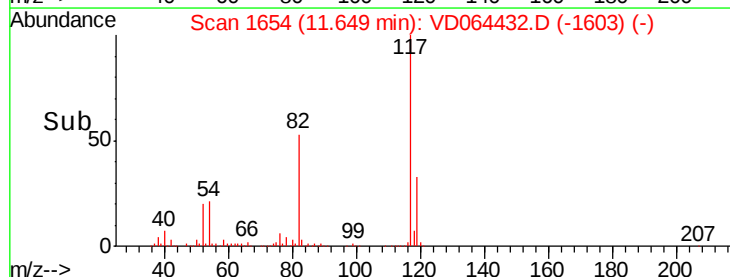
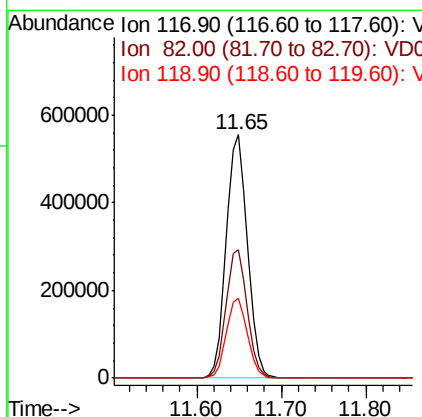
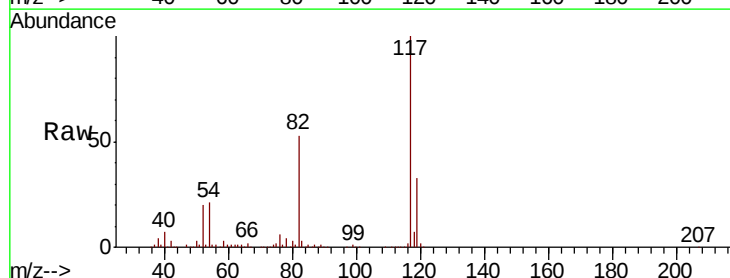
Instrument :
MSVOA_D
ClientSampleId :

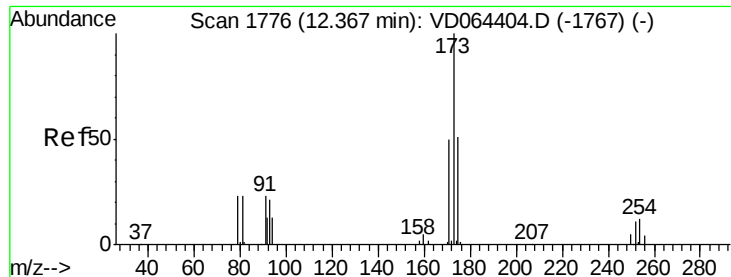
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	197.2
176	92.4	0.0	189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064432.D
Acq: 05 Dec 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.4	62.2
119	32.8	26.2	39.2





#71

Bromoform

Concen: 1.002 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

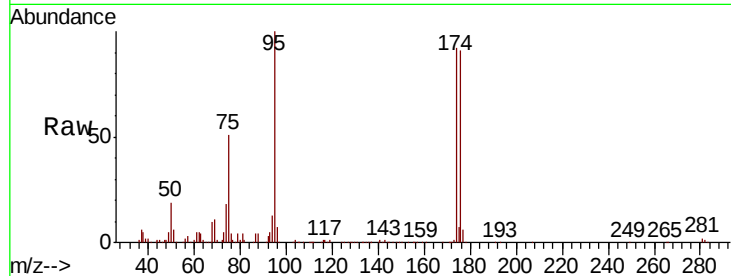
Tot Ion:173 Resp: 4447

Ion Ratio Lower Upper

173 100

175 526.6 25.3 75.8#

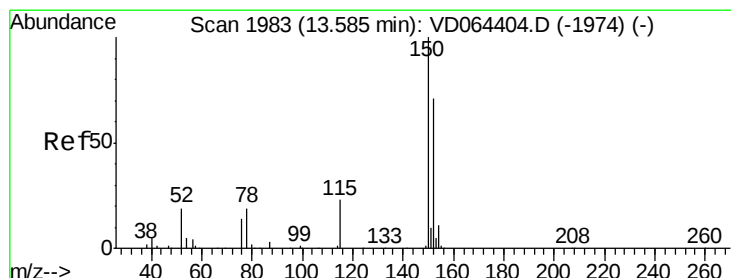
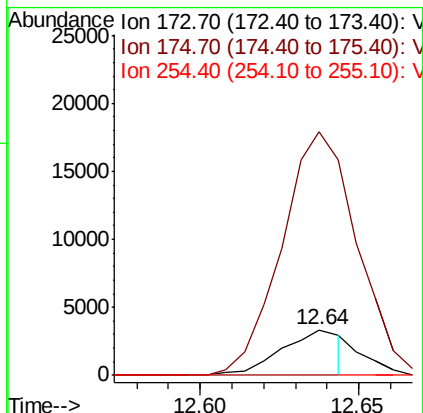
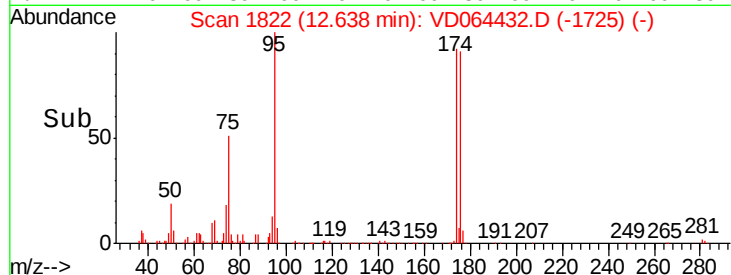
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

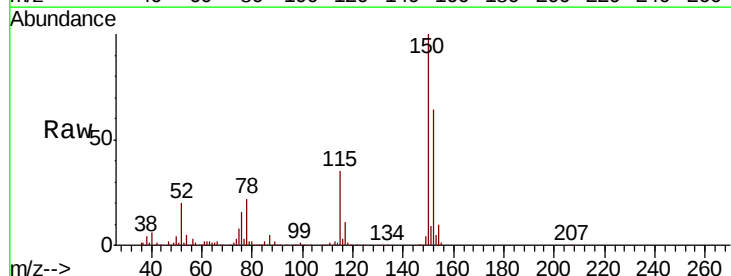
Tgt Ion:152 Resp: 461784

Ion Ratio Lower Upper

152 100

115 54.3 26.7 80.1

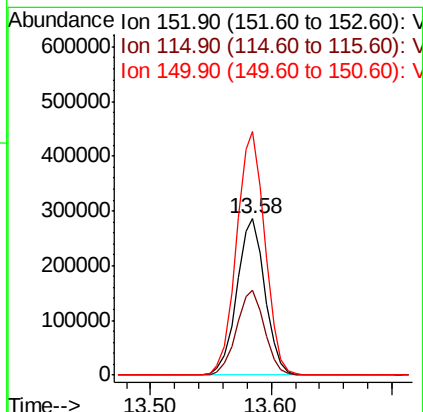
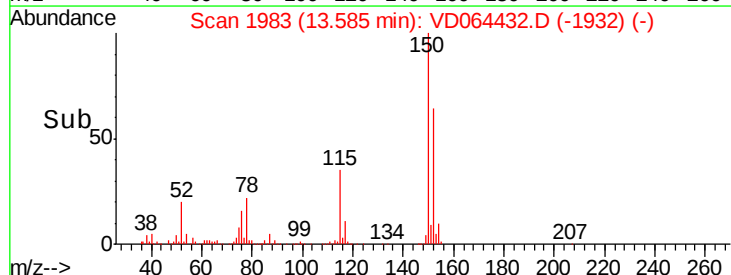
150 157.1 0.0 347.2

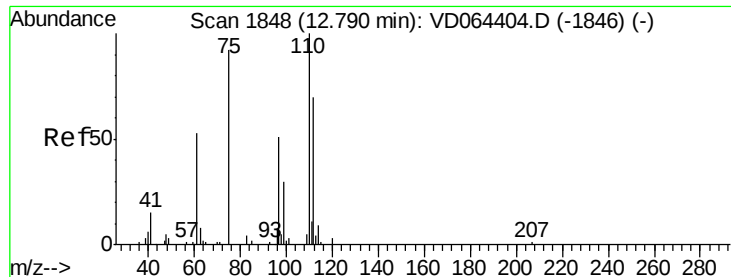


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.563 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

Instrument :

MSVOA_D

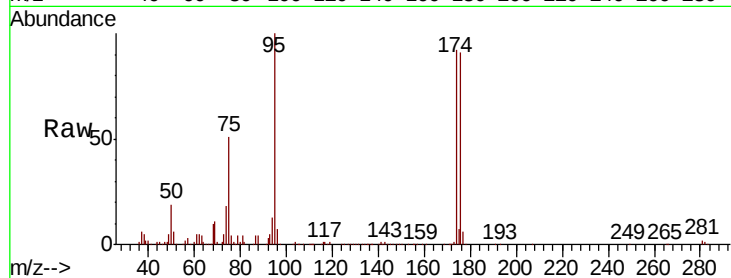
ClientSampleId :

Tot Ion: 75 Resp: 214800

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

12.64

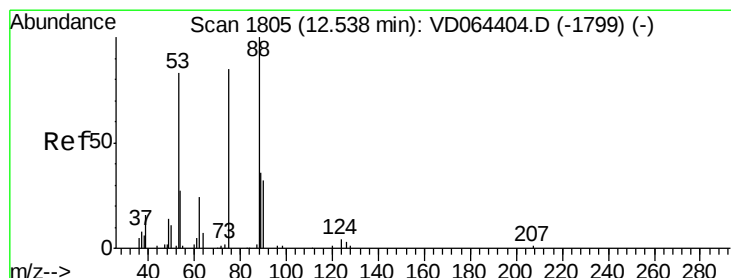
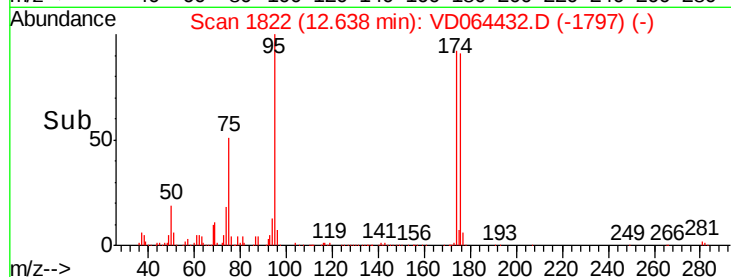
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 123.336 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

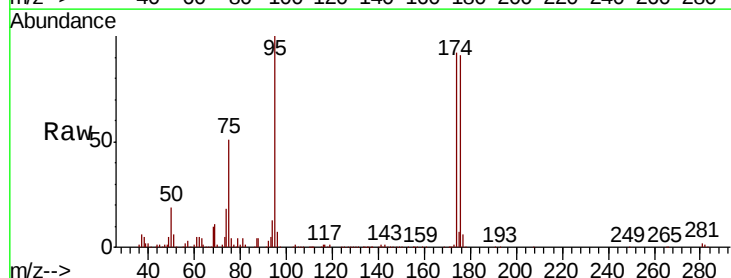
Tgt Ion: 75 Resp: 214800

Ion Ratio Lower Upper

75 100

53 0.0 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

12.64

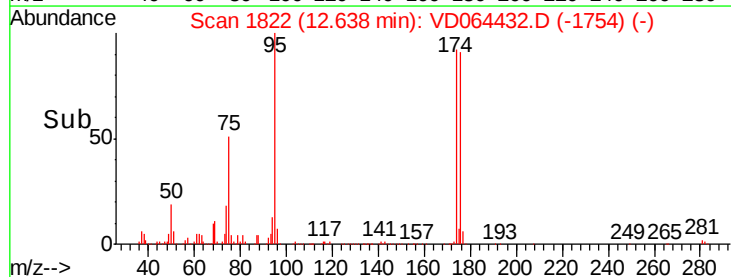
150000

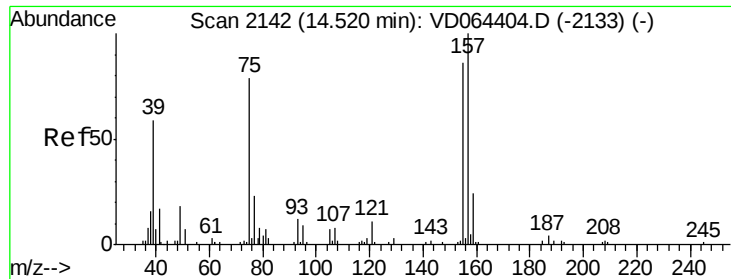
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VD064432.D

Acq: 05 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

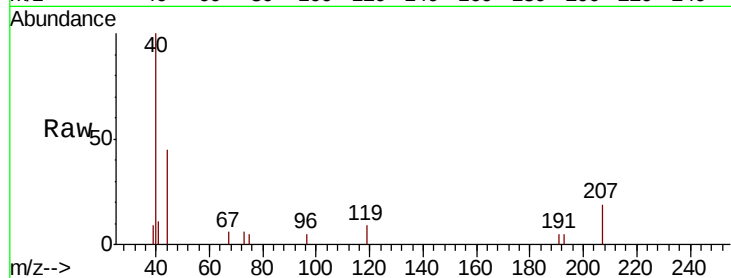
Tot Ion: 75 Resp: 124

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

