

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064439.D
 Acq On : 05 Dec 2019 16:33
 Operator : VA/SY
 Sample : K6147-01RE
 Misc : 5.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:55:42 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	7.99	168	290145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	453243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	431327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	200154	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	166553	63.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.84%	
35) Dibromofluoromethane	7.92	113	148393	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.34	98	535348	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.64	95	182627	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

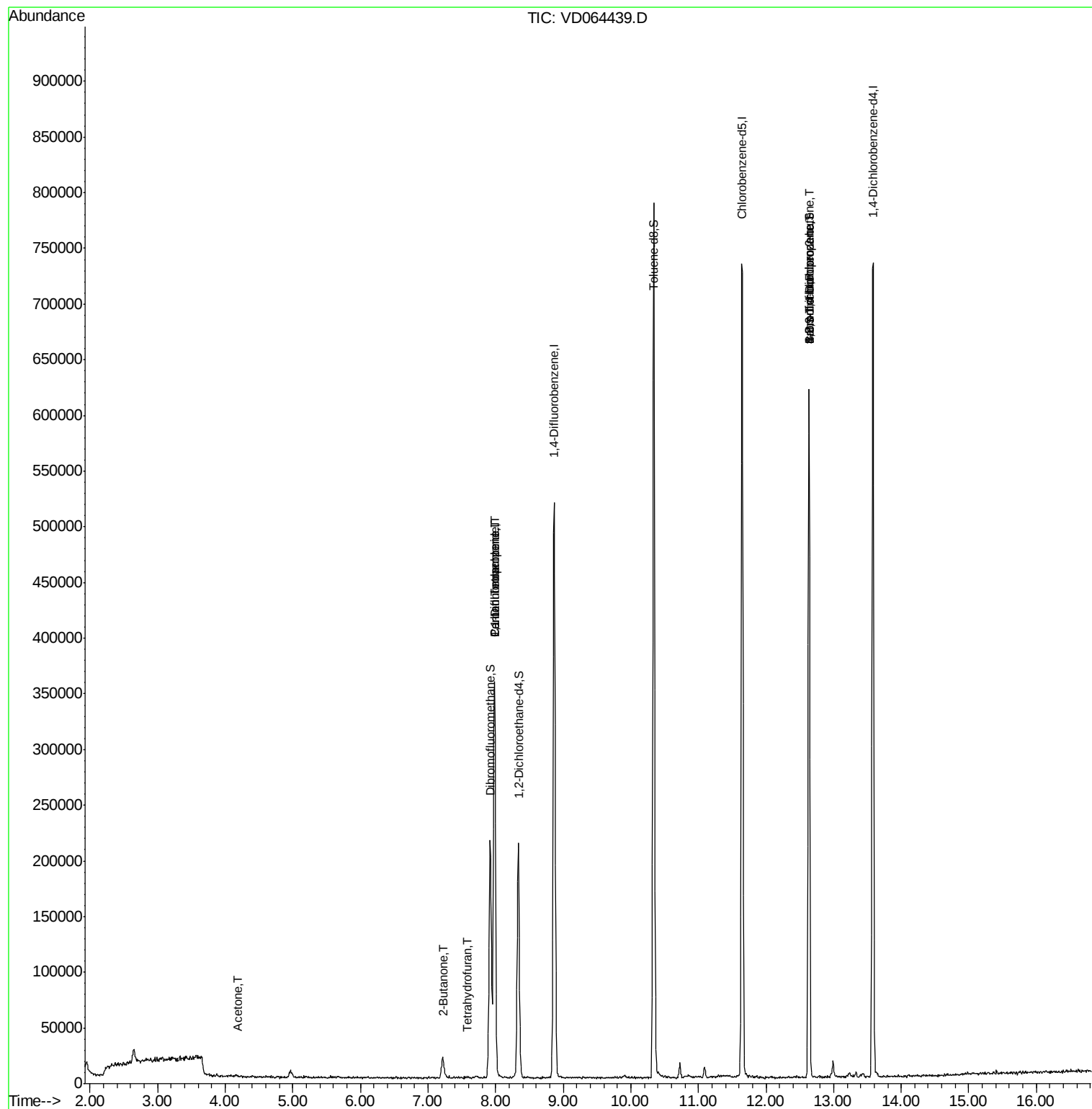
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.19	43	2323	4.377	ug/l #	87
20) Methylene Chloride	4.98	84	4735	Below Cal	#	82
25) 2-Butanone	7.23	43	1077	1.435	ug/l #	49
29) Tetrahydrofuran	7.57	42	507	1.062	ug/l #	59
31) Cyclohexane	7.99	56	5926	Below Cal	#	1
36) 1,1-Dichloropropene	7.99	75	21001	4.899	ug/l #	48
38) Carbon Tetrachloride	7.98	117	28304	6.256	ug/l #	13
71) Bromoform	12.64	173	2359	1.184	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	96454	58.599	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	96454	127.776	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	53	Below Cal	#	1

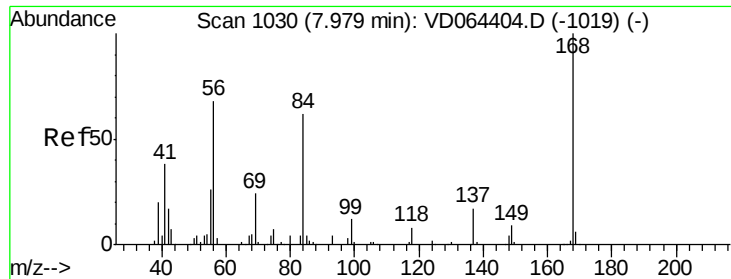
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064439.D

Acq: 05 Dec 2019 16:33

Instrument :

MSVOA_D

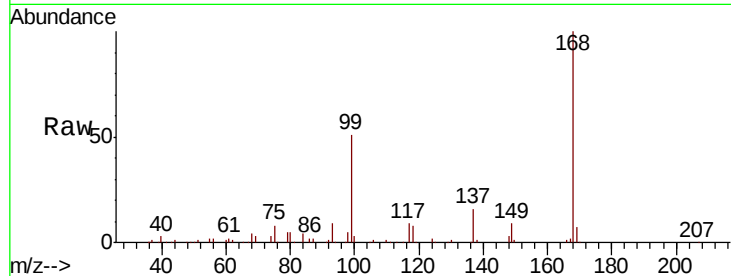
ClientSampleId :

Tot Ion:168 Resp: 290145

Ion Ratio Lower Upper

168 100

99 51.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

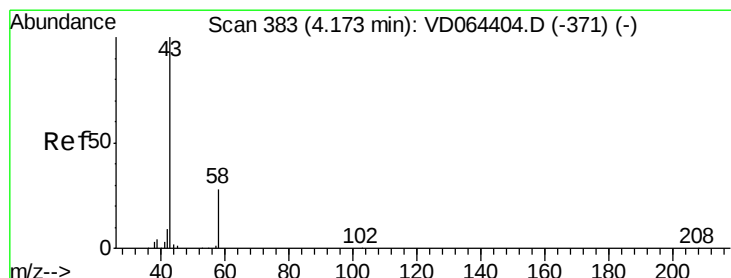
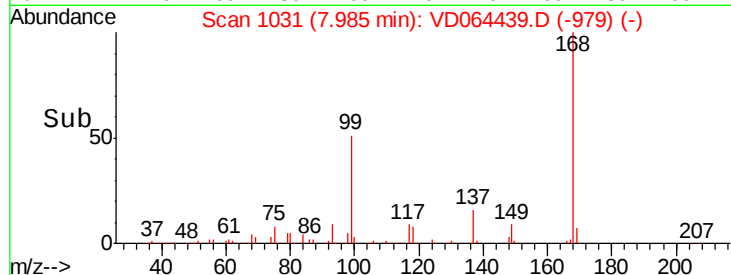
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.377 ug/l

RT: 4.19 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD064439.D

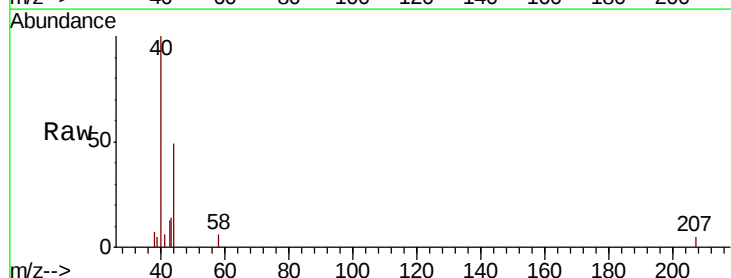
Acq: 05 Dec 2019 16:33

Tgt Ion: 43 Resp: 2323

Ion Ratio Lower Upper

43 100

58 21.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.19

1000

800

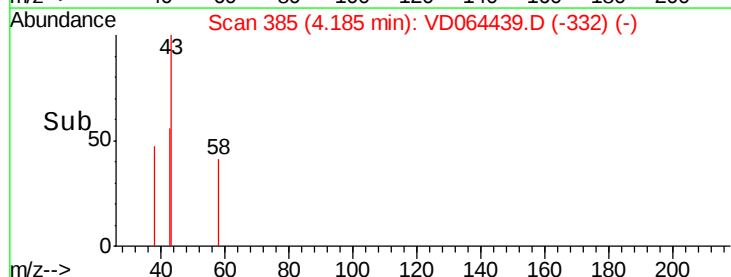
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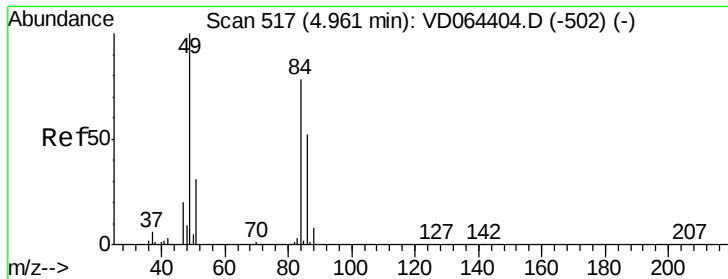
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200

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Time-->

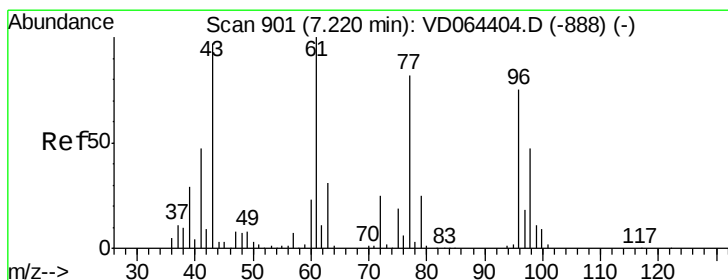
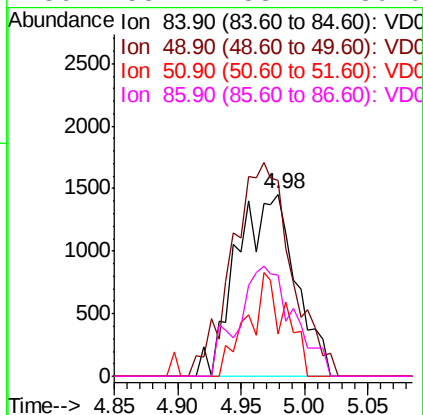
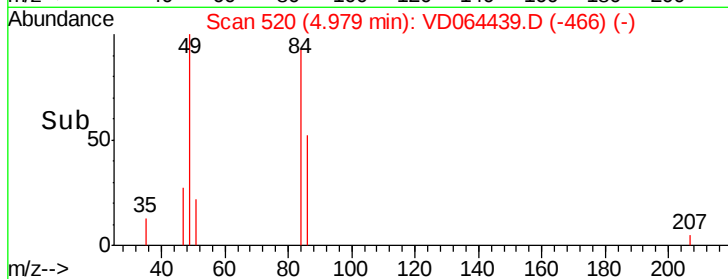
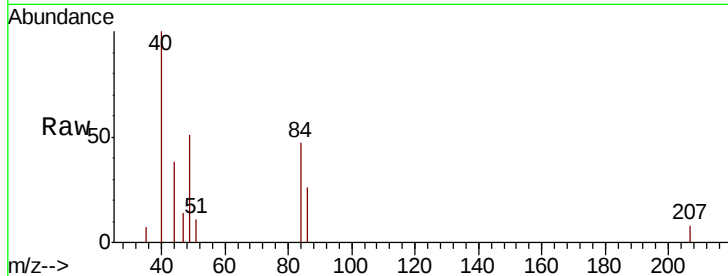




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD064439.D
Acq: 05 Dec 2019 16:33

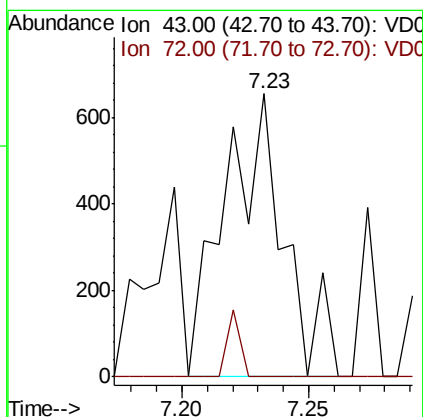
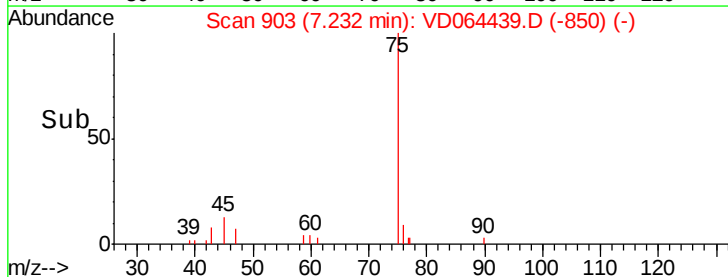
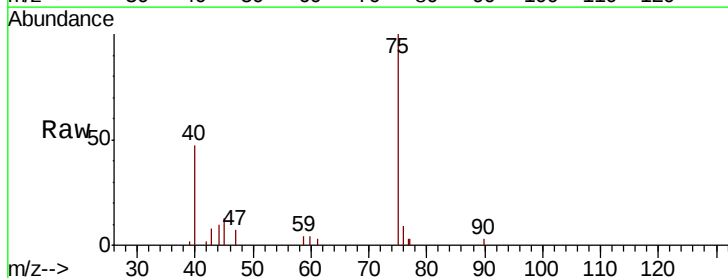
Instrument :
MSVOA_D
ClientSampleId :

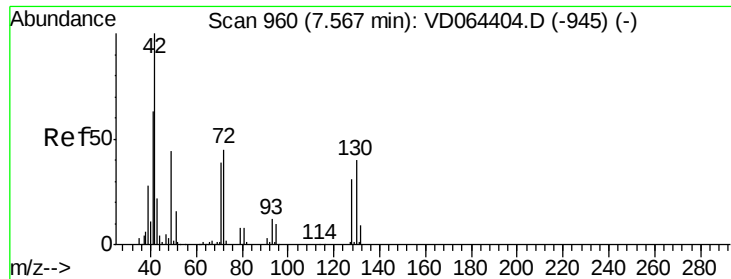
Tot Ion: 84 Resp: 4735
Ion Ratio Lower Upper
84 100
49 107.5 102.6 153.8
51 23.6 32.0 48.0#
86 55.4 53.4 80.0



#25
2-Butanone
Concen: 1.435 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064439.D
Acq: 05 Dec 2019 16:33

Tgt Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

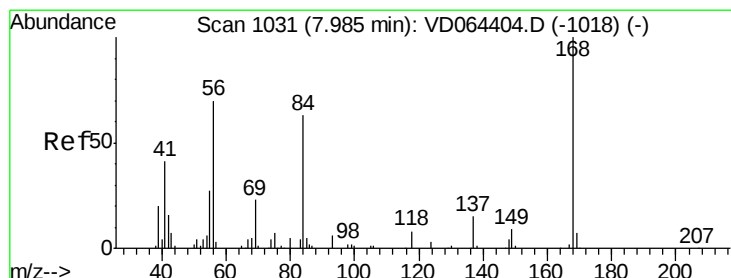
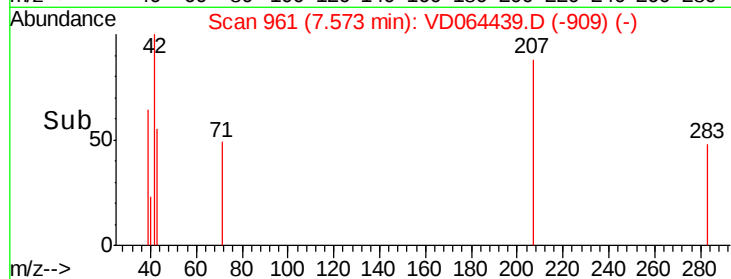
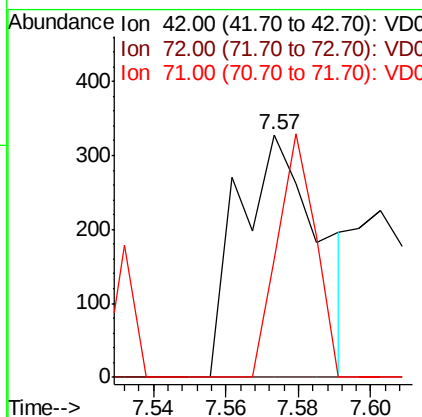
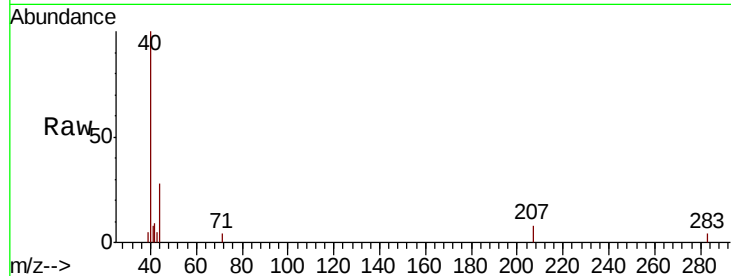




#29
Tetrahydrofuran
Concen: 1.062 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064439.D
Acq: 05 Dec 2019 16:33

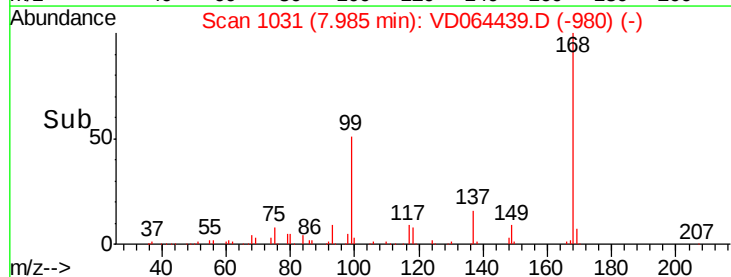
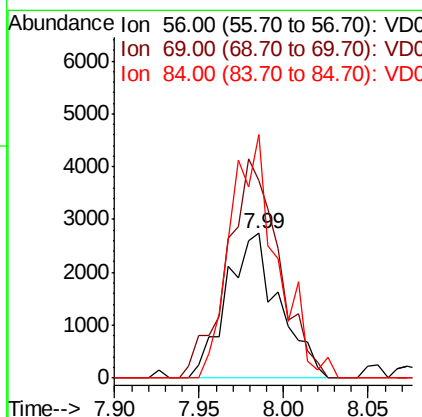
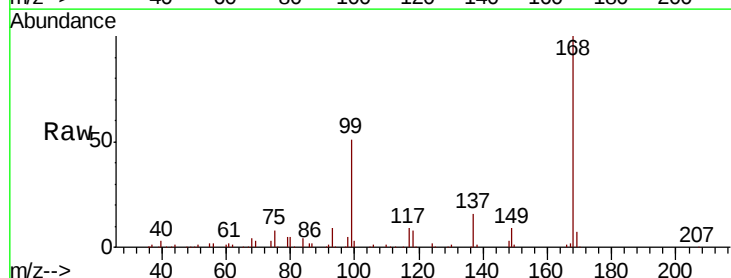
Instrument :
MSVOA_D
ClientSampled :

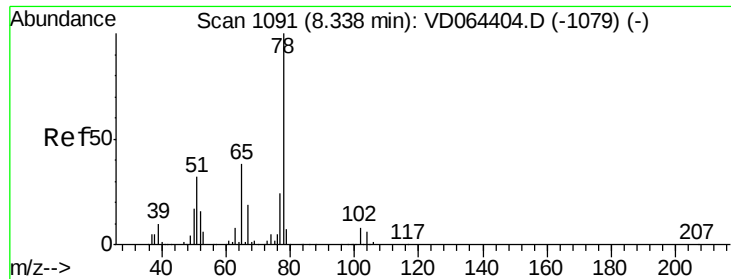
Tot Ion: 42 Resp: 507
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 47.3 32.7 49.1



#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064439.D
Acq: 05 Dec 2019 16:33

Tgt Ion: 56 Resp: 5926
Ion Ratio Lower Upper
56 100
69 136.7 26.2 39.4#
84 168.5 70.3 105.5#

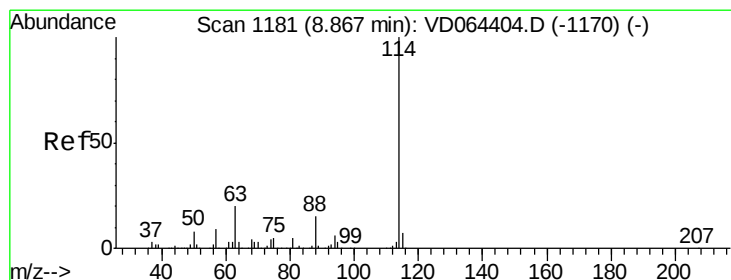
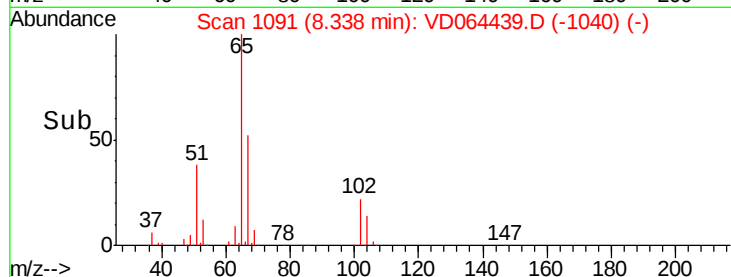
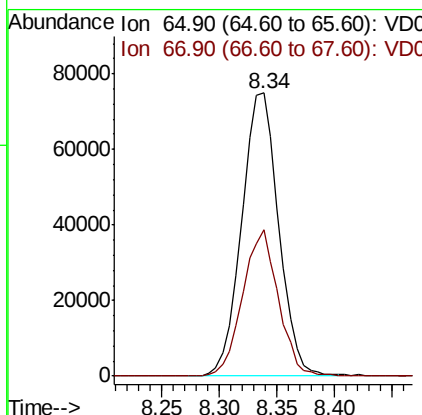
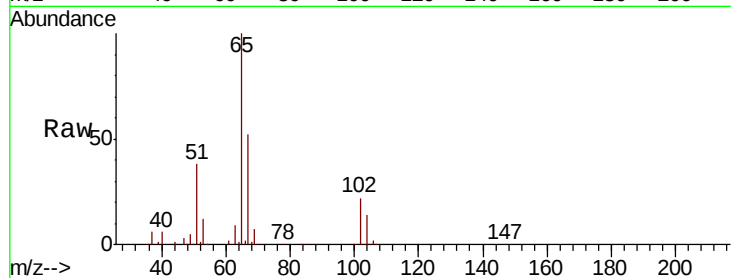




#33
 1,2-Dichloroethane-d4
 Concen: 63.419 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064439.D
 Acq: 05 Dec 2019 16:33

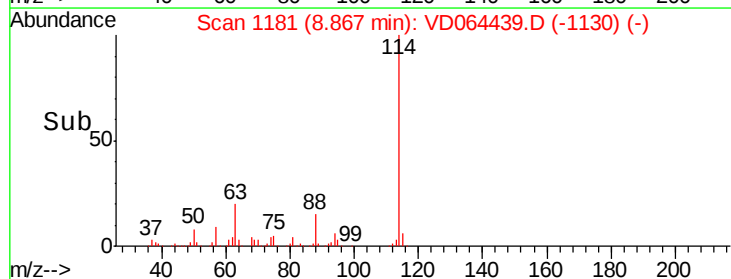
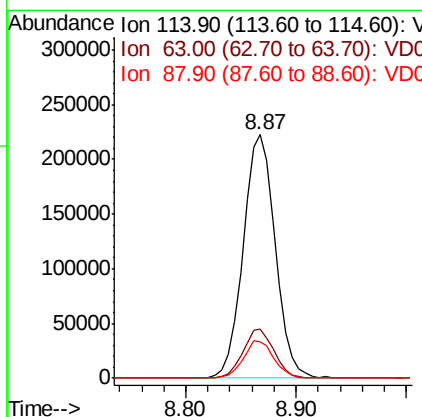
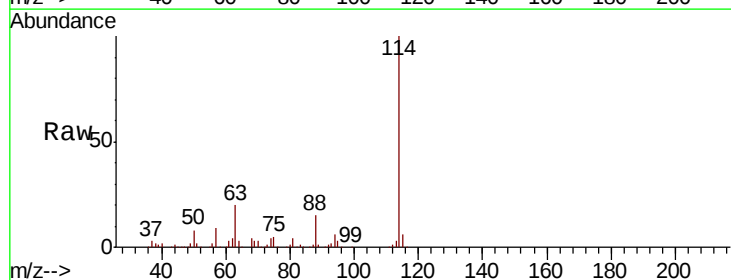
Instrument :
 MSVOA_D
 ClientSampleId :

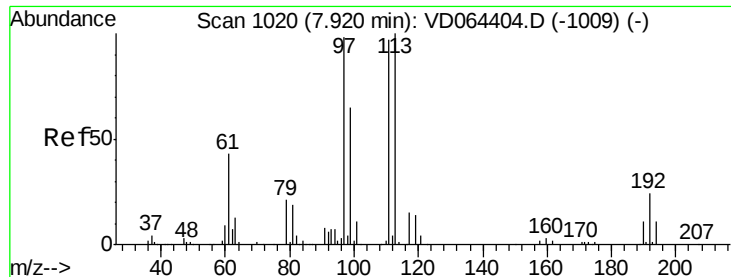
Tot Ion: 65 Resp: 166553
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064439.D
 Acq: 05 Dec 2019 16:33

Tgt Ion: 114 Resp: 453243
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.0 0.0 29.2

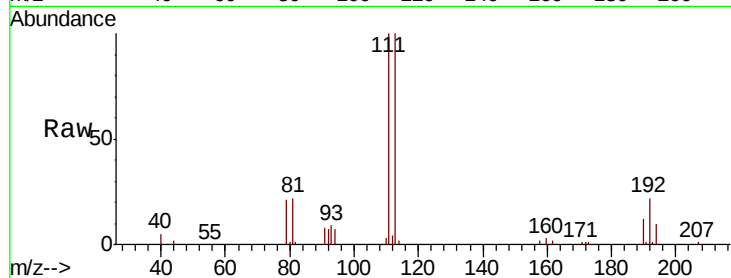




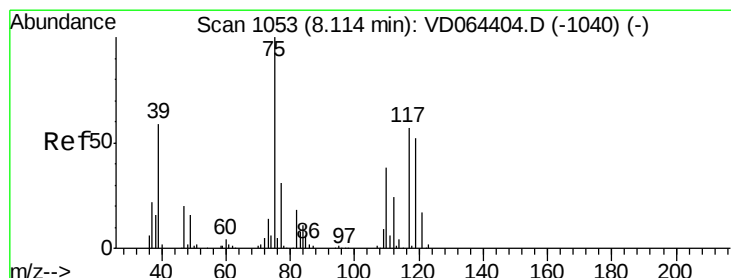
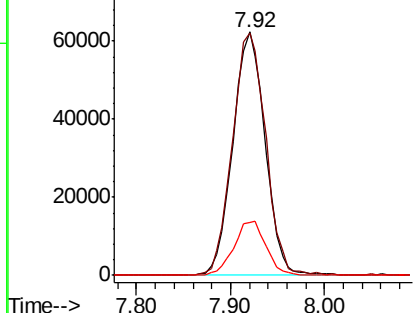
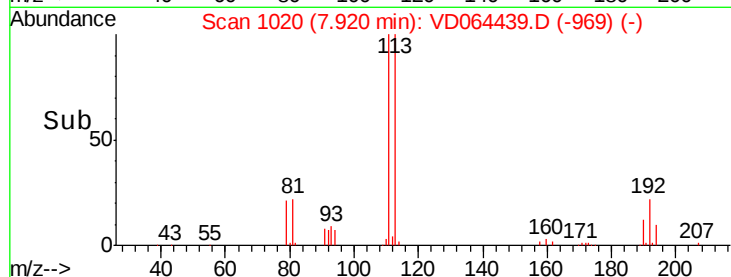
#35
 Dibromofluoromethane
 Concen: 51.965 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064439.D
 Acq: 05 Dec 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 148393
 Ion Ratio Lower Upper
 113 100
 111 102.9 79.4 119.2
 192 22.2 18.6 28.0

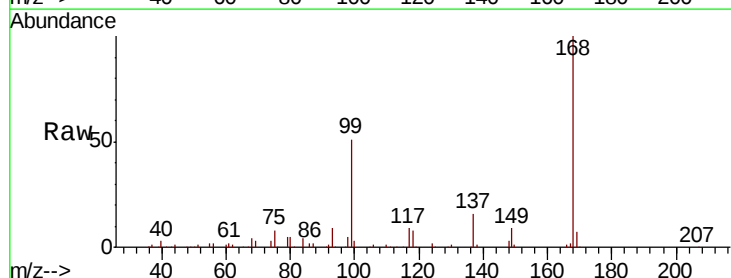


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

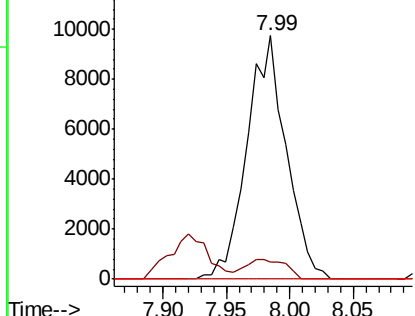
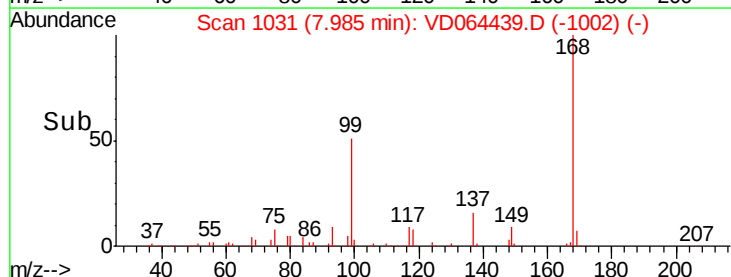


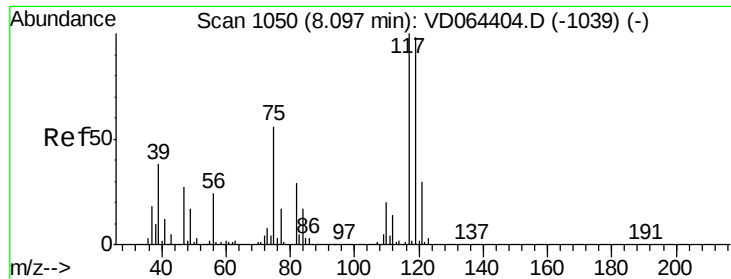
#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064439.D
 Acq: 05 Dec 2019 16:33

Tgt Ion: 75 Resp: 21001
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.6 55.8#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.256 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064439.D

Acq: 05 Dec 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

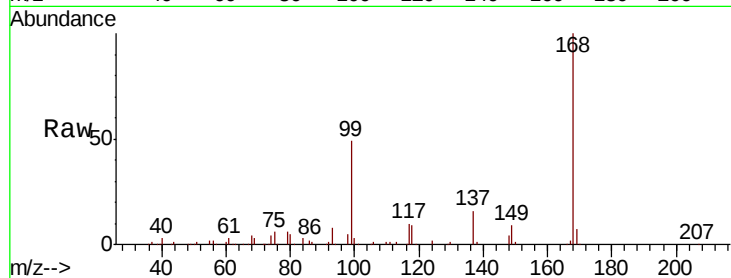
Tot Ion:117 Resp: 28304

Ion Ratio Lower Upper

117 100

119 3.3 78.8 118.2#

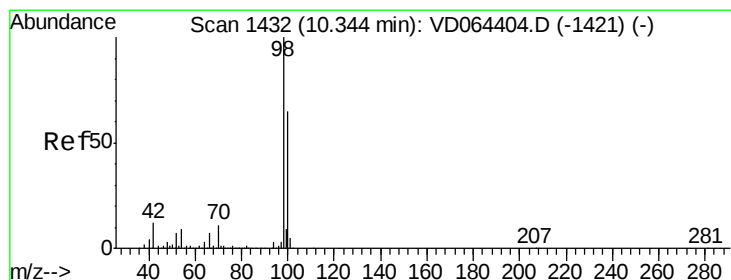
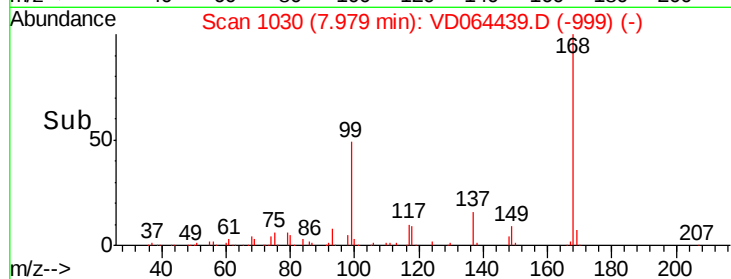
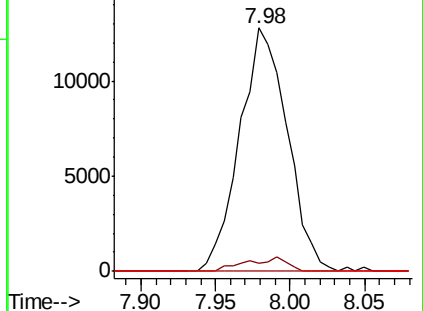
121 0.0 24.2 36.2#



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: 49.768 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064439.D

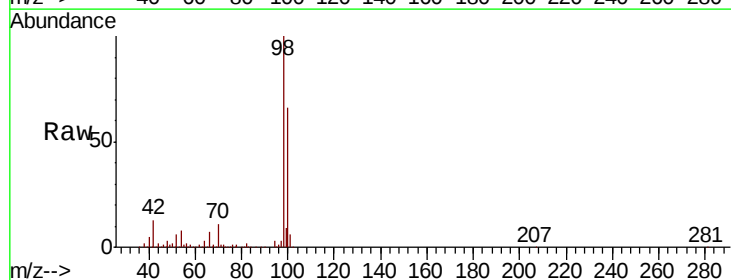
Acq: 05 Dec 2019 16:33

Tgt Ion: 98 Resp: 535348

Ion Ratio Lower Upper

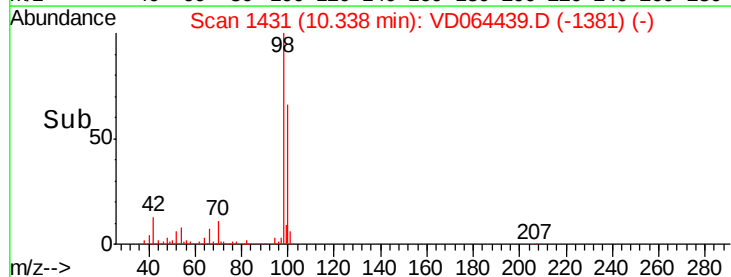
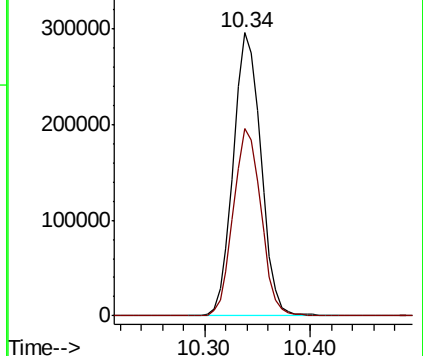
98 100

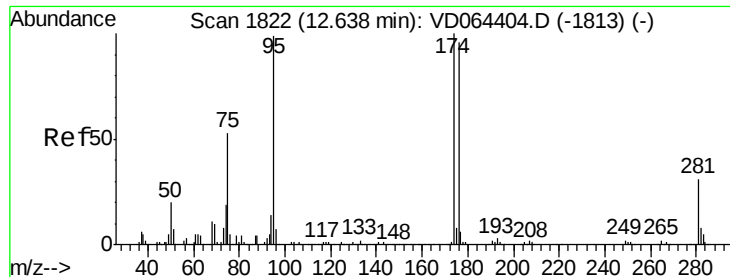
100 66.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

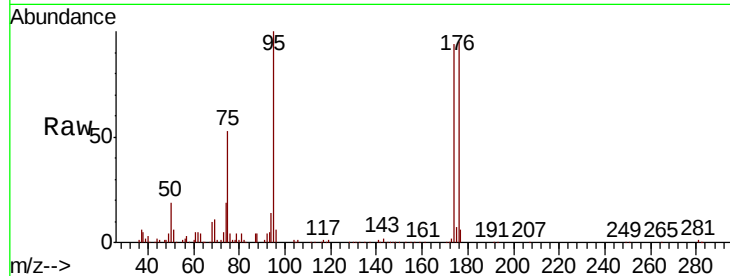




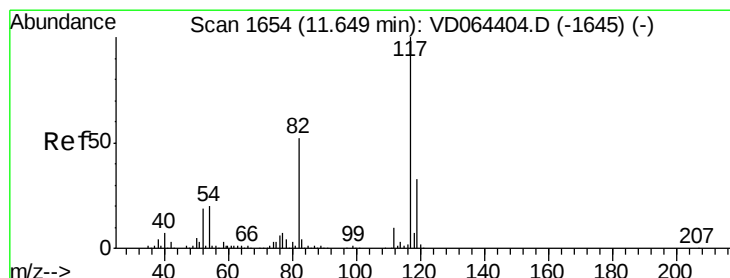
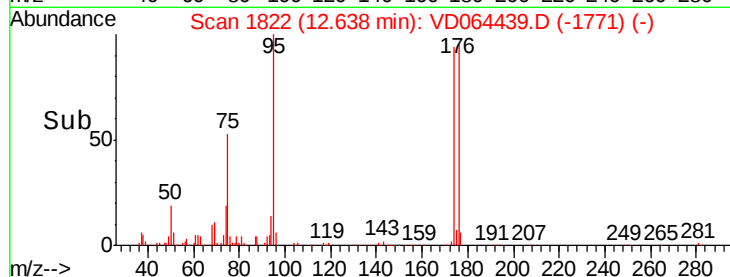
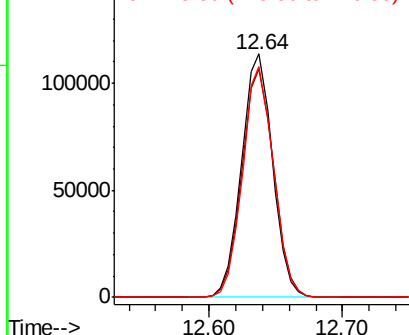
#62
4-Bromofluorobenzene
Concen: 52.828 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064439.D
Acq: 05 Dec 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	197.2
176	94.3	0.0	189.6

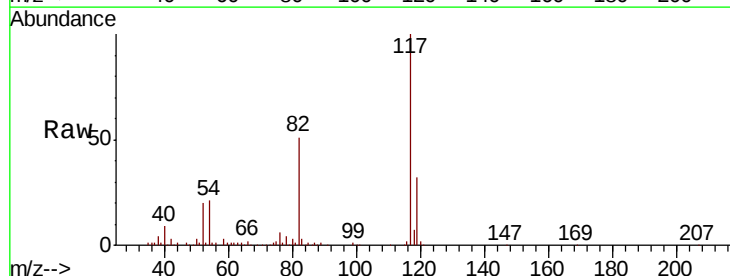


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

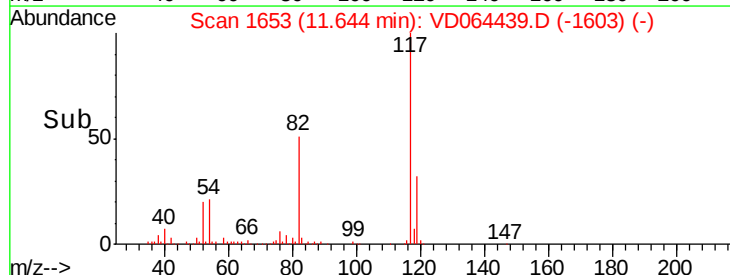
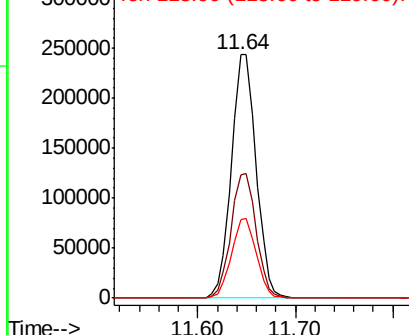


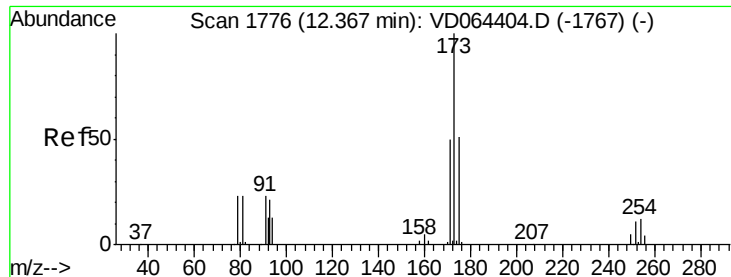
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064439.D
Acq: 05 Dec 2019 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.4	62.2
119	32.2	26.2	39.2



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





#71

Bromoform

Concen: 1.184 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064439.D

Acq: 05 Dec 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

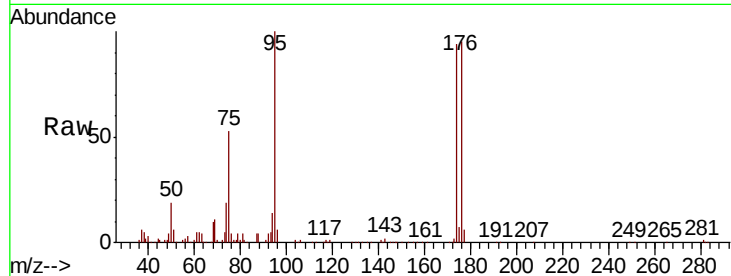
Tot Ion:173 Resp: 2359

Ion Ratio Lower Upper

173 100

175 492.5 25.3 75.8#

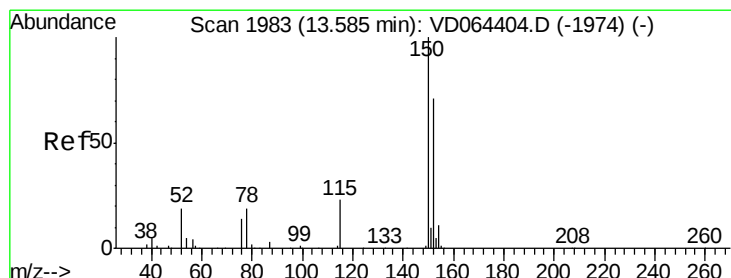
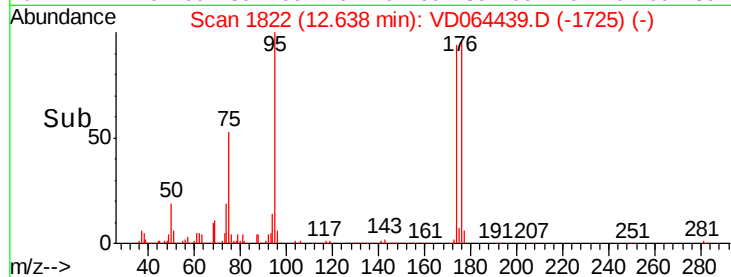
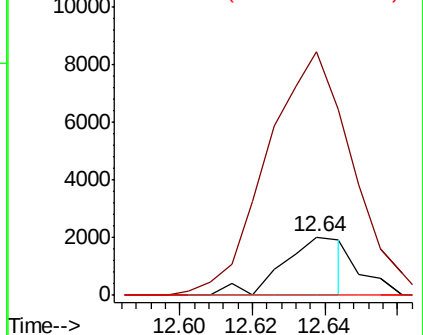
254 0.0 0.0 0.0



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: VD064439.D

Acq: 05 Dec 2019 16:33

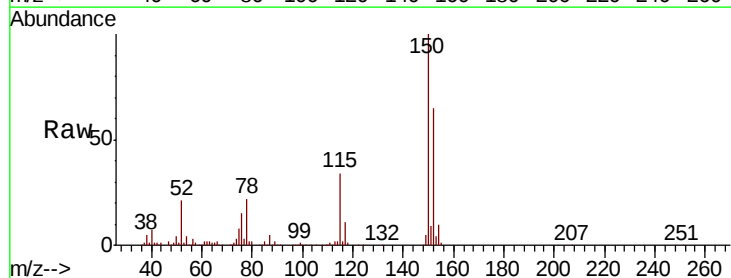
Tgt Ion:152 Resp: 200154

Ion Ratio Lower Upper

152 100

115 56.3 26.7 80.1

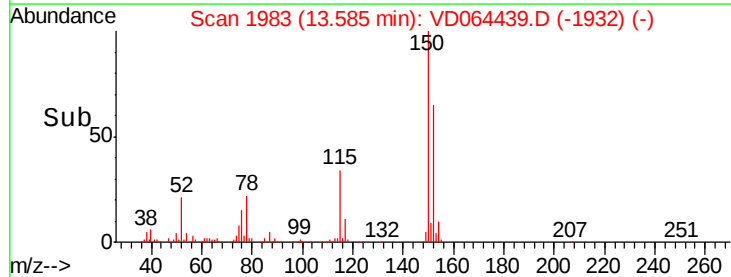
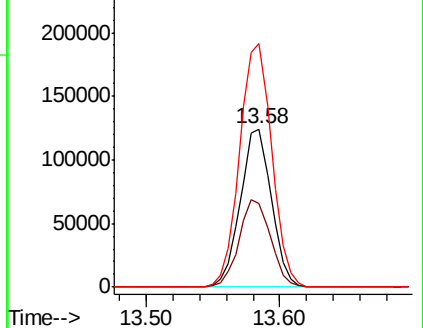
150 158.7 0.0 347.2

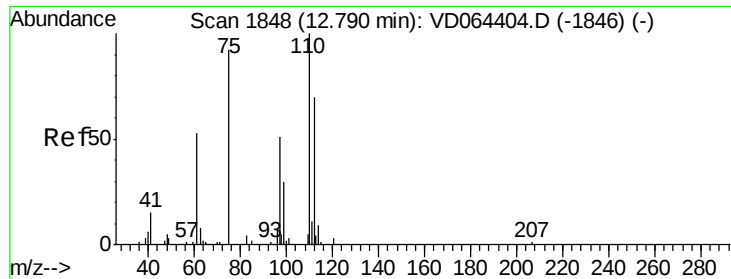


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 58.599 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064439.D

Acq: 05 Dec 2019 16:33

Instrument :

MSVOA_D

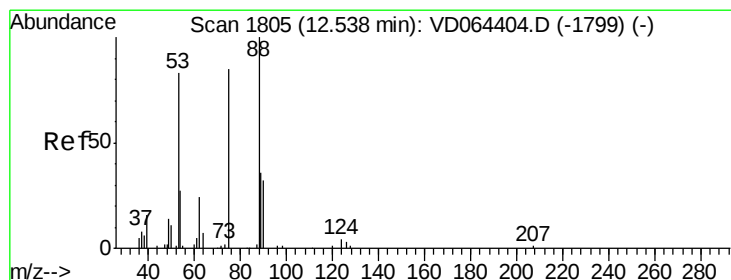
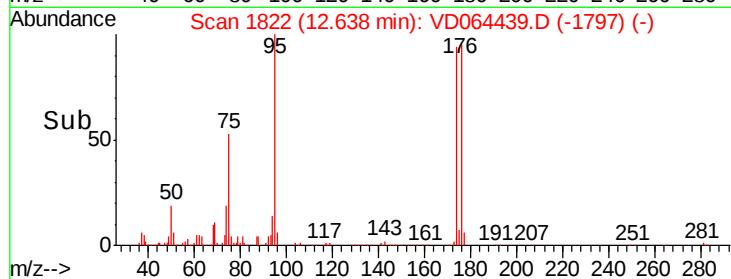
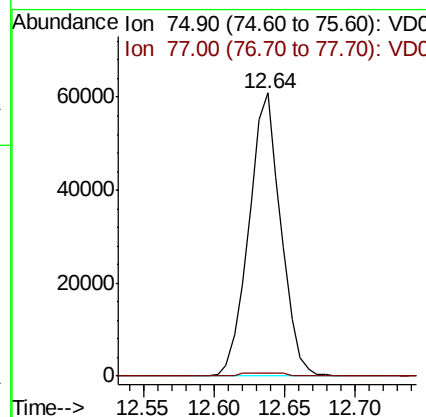
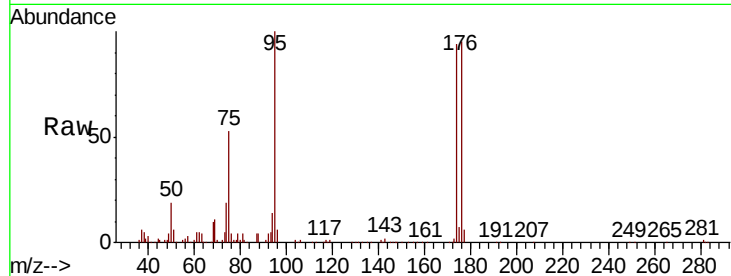
ClientSampleId :

Tot Ion: 75 Resp: 96454

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.776 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064439.D

Acq: 05 Dec 2019 16:33

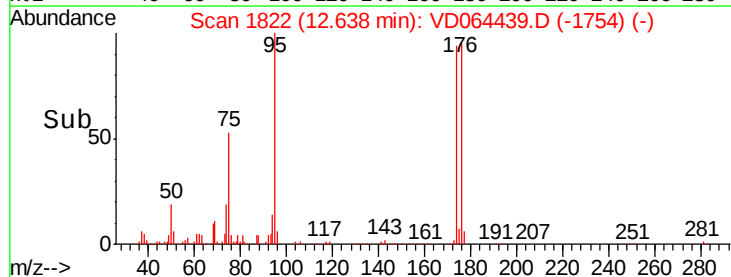
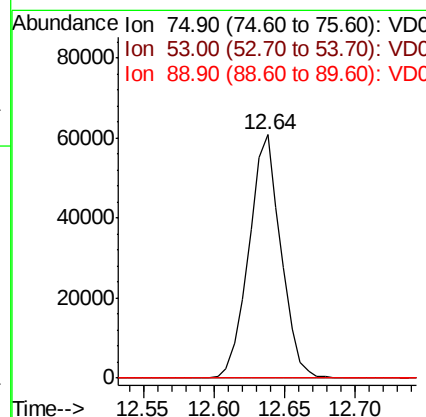
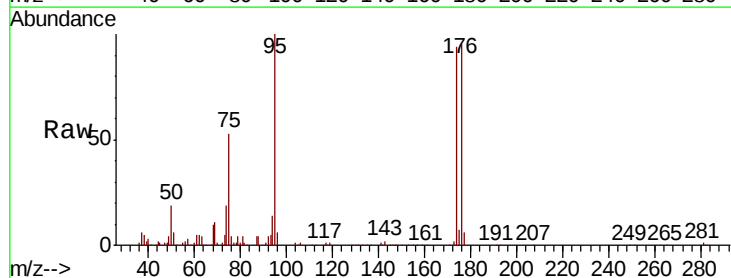
Tgt Ion: 75 Resp: 96454

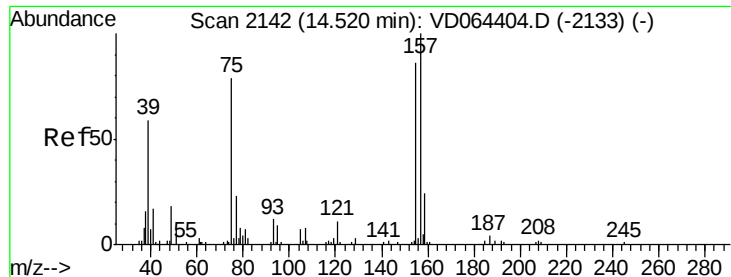
Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD064439.D

Acq: 05 Dec 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

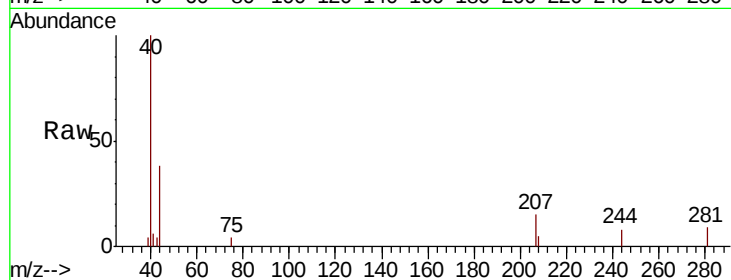
Tot Ion: 75 Resp: 53

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

14.51

150

100

50

0

14.50 14.52

Time-->

