

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060663.D
 Acq On : 24 Mar 2020 11:28
 Operator : JC/MD
 Sample : VN0324WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:50:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	316278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	122203	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	7.56	113	93342	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.08	98	387325	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	135408	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	

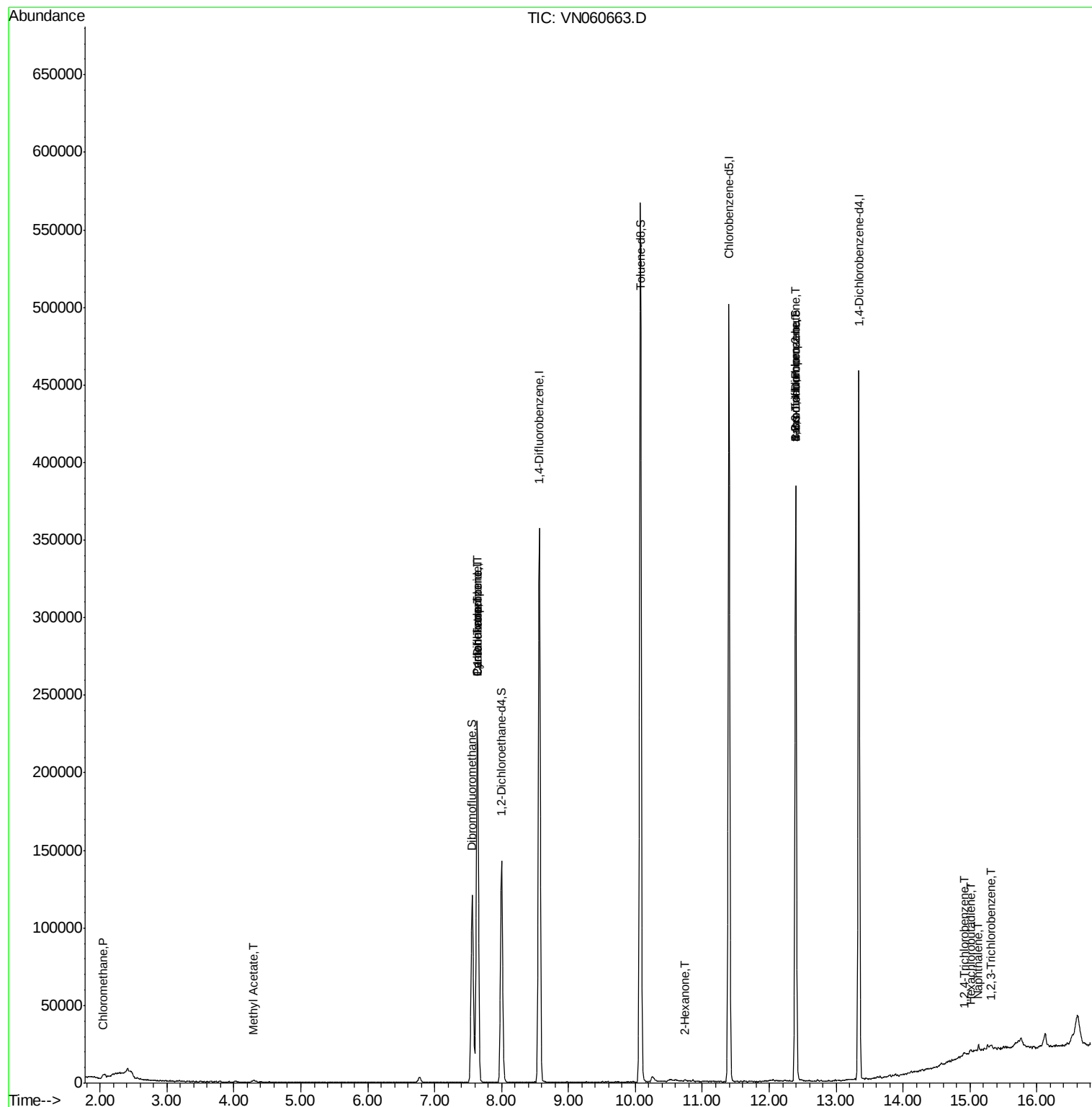
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1951	0.563	ug/l	97
18) Methyl Acetate	4.29	43	2807	1.070	ug/l #	75
31) Cyclohexane	7.64	56	4187	0.988	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15118	4.936	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18272	6.657	ug/l #	16
59) 2-Hexanone	10.74	43	578	0.258	ug/l #	55
71) Bromoform	12.39	173	82	1.727	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	68484	26.536	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	68484	68.152	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	95	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.90	180	689	0.308	ug/l #	82
94) Hexachlorobutadiene	15.00	225	328	0.299	ug/l #	64
95) Naphthalene	15.13	128	3512	0.521	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1016	0.461	ug/l	90

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060663.D

Acq: 24 Mar 2020 11:28

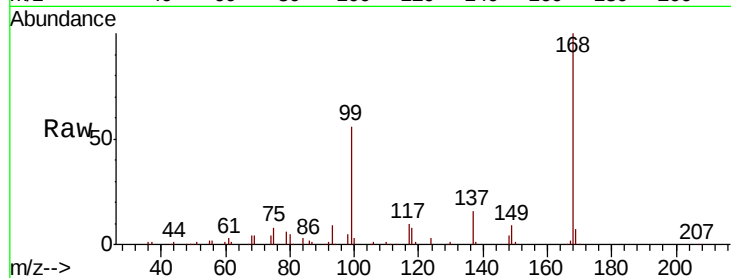
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 191671

Ion Ratio Lower Upper

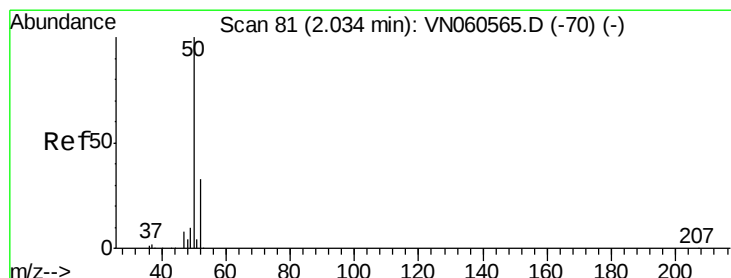
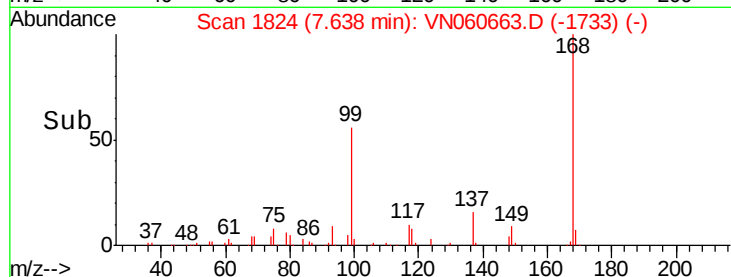
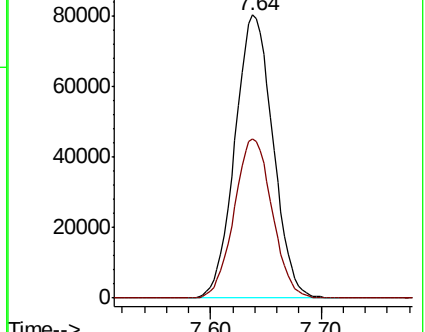
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)



#3

Chloromethane

Concen: 0.563 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060663.D

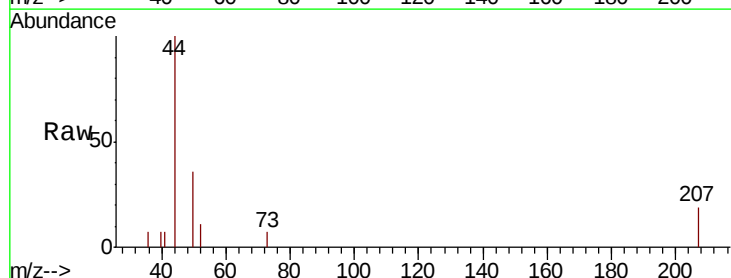
Acq: 24 Mar 2020 11:28

Tgt Ion: 50 Resp: 1951

Ion Ratio Lower Upper

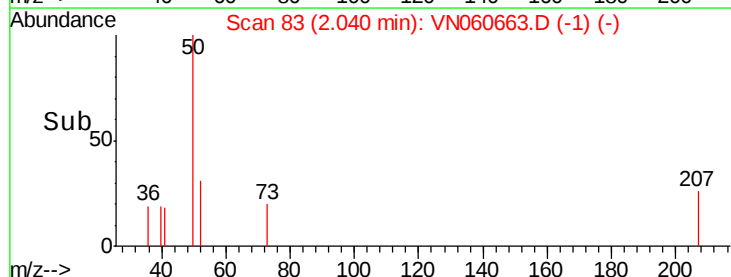
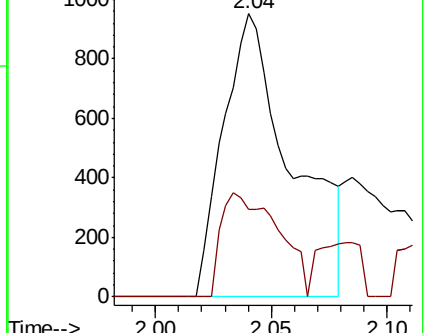
50 100

52 30.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN060565.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN060565.D (-70) (-)

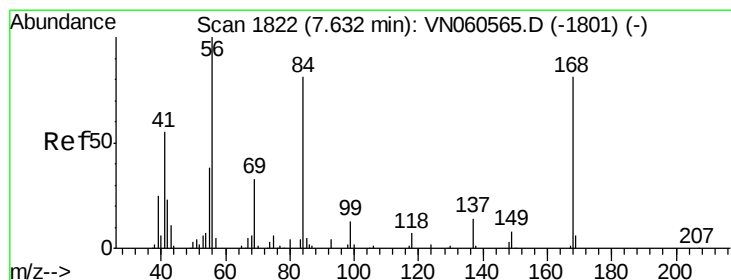
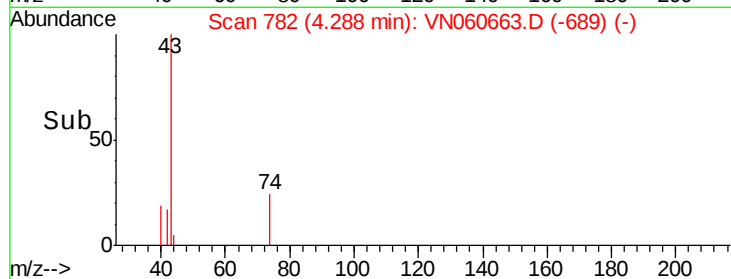
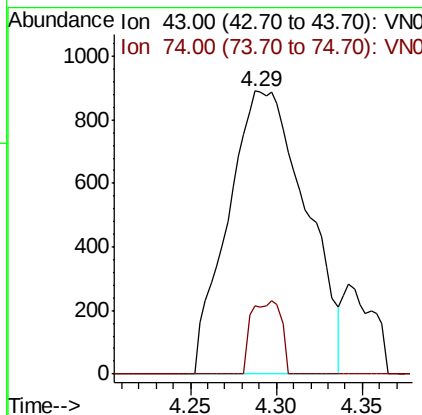
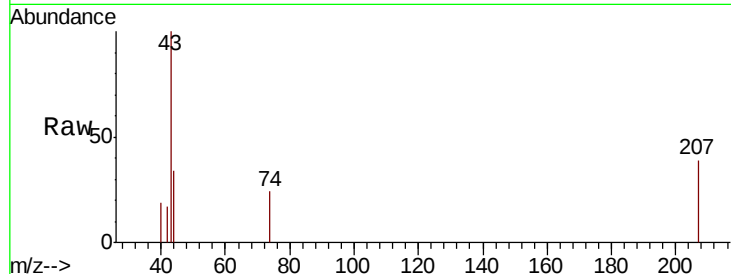




#18
Methvl Acetate
Concen: 1.070 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

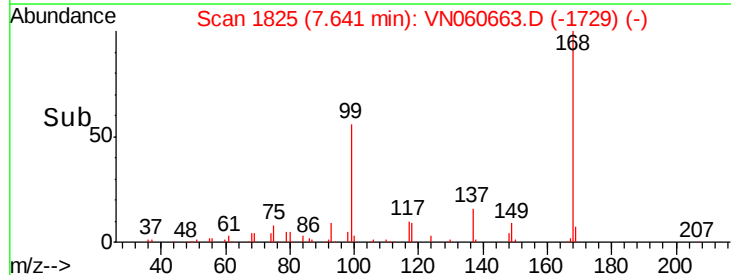
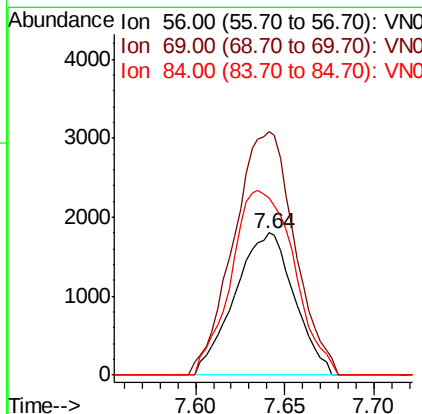
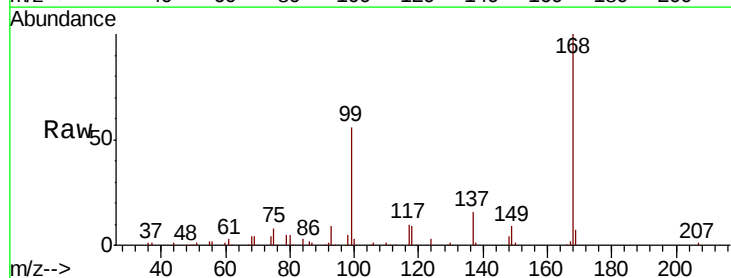
Instrument :
MSVOA_N
ClientSampleId :

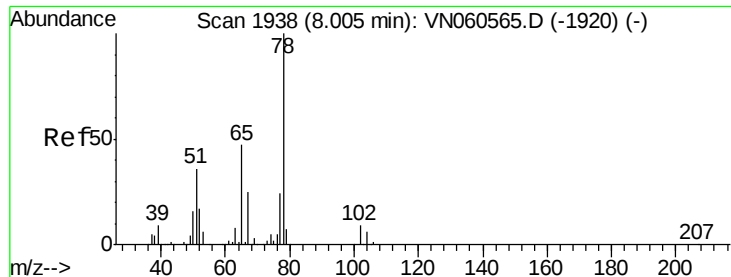
Tot Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
74 9.8 17.5 26.3#



#31
Cyclohexane
Concen: 0.988 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

Tgt Ion: 56 Resp: 4187
Ion Ratio Lower Upper
56 100
69 171.0 26.6 40.0#
84 124.1 64.3 96.5#

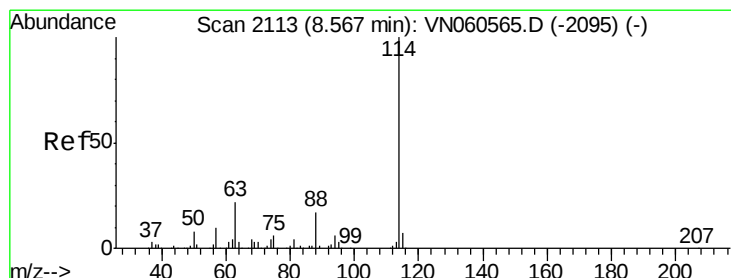
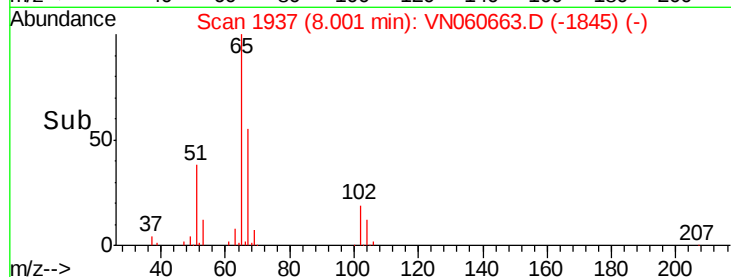
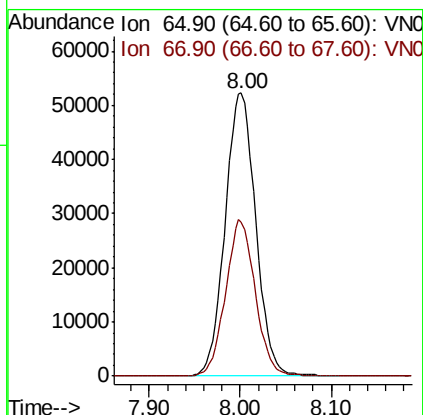
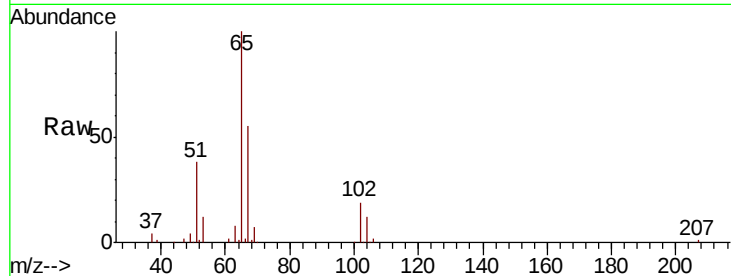




#33
 1,2-Dichloroethane-d4
 Concen: 46.444 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060663.D
 Acq: 24 Mar 2020 11:28

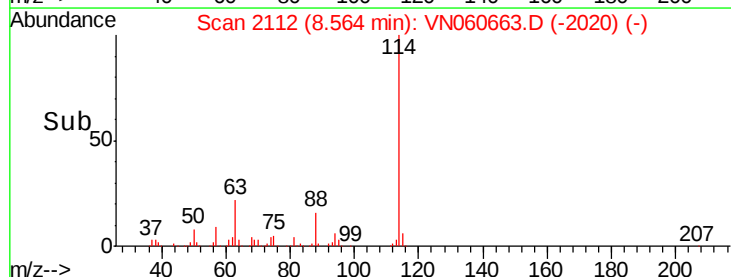
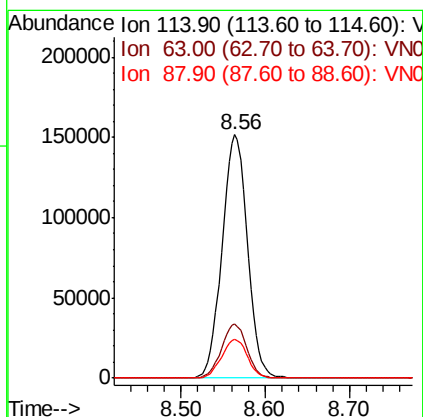
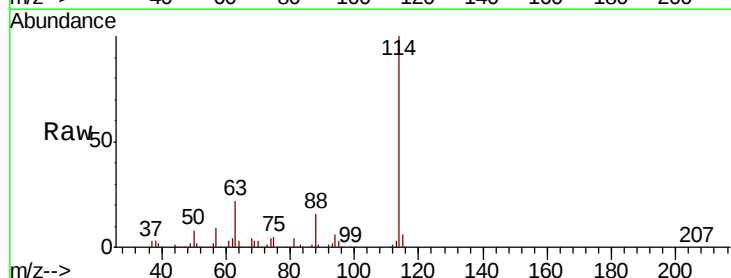
Instrument :
 MSVOA_N
 ClientSampleId :

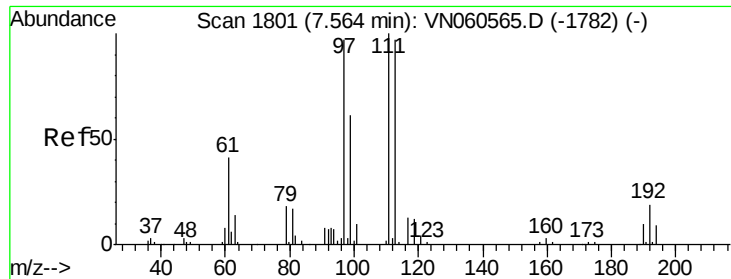
Tot Ion: 65 Resp: 122203
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060663.D
 Acq: 24 Mar 2020 11:28

Tgt Ion: 114 Resp: 316278
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.1 0.0 33.0

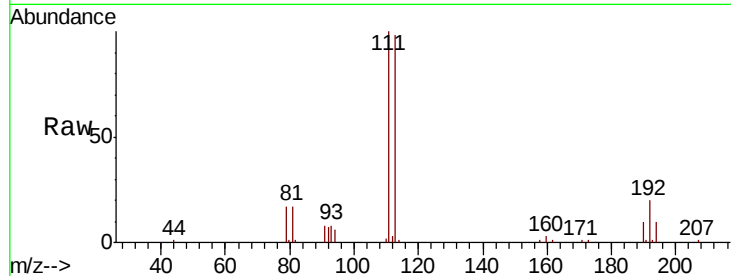




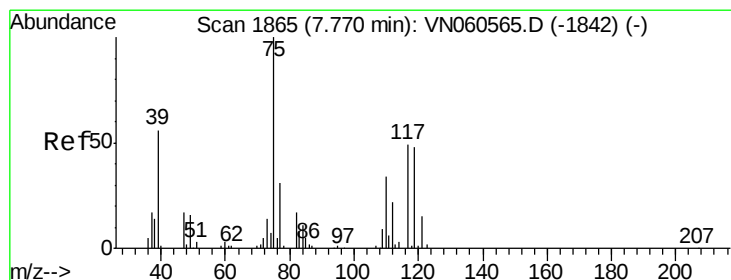
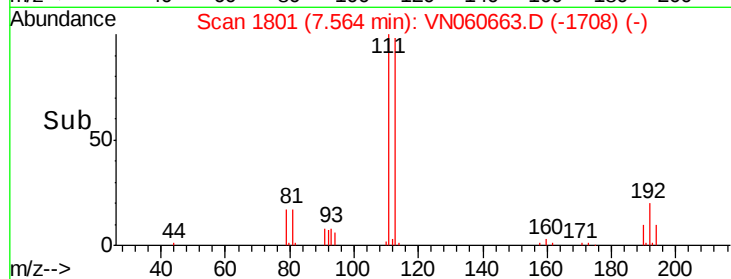
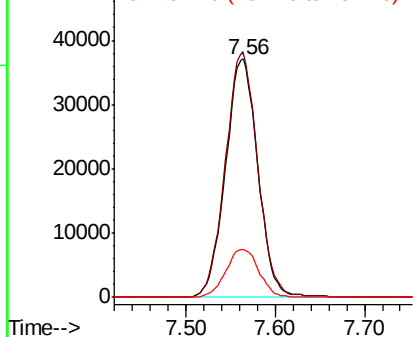
#35
 Dibromofluoromethane
 Concen: 48.808 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060663.D
 Acq: 24 Mar 2020 11:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 93342
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.9 124.3
 192 20.4 15.8 23.8

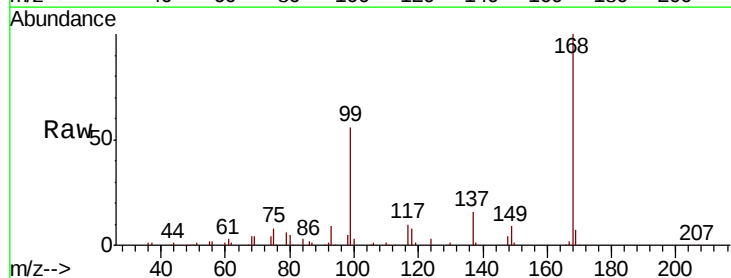


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

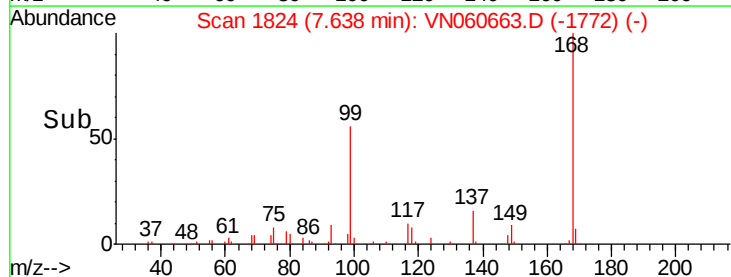
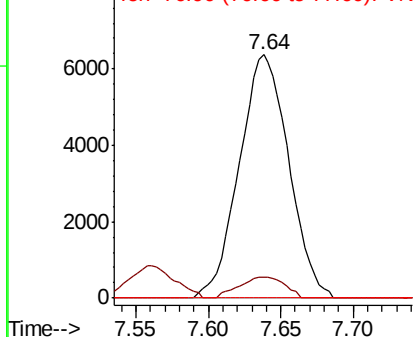


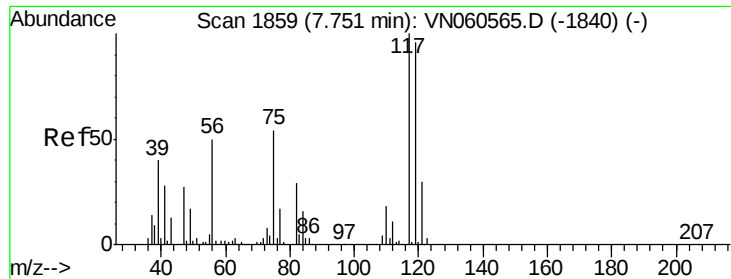
#36
 1,1-Dichloropropene
 Concen: 4.936 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060663.D
 Acq: 24 Mar 2020 11:28

Tgt Ion: 75 Resp: 15118
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.657 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060663.D

Acq: 24 Mar 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

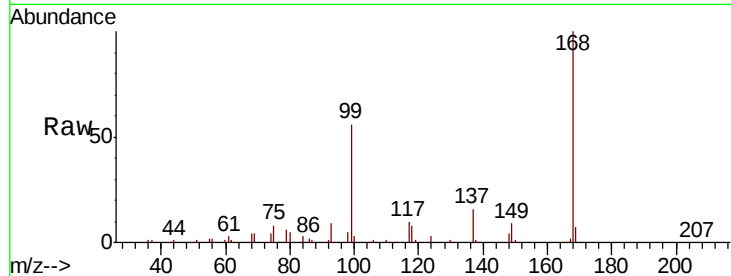
Tot Ion:117 Resp: 18272

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

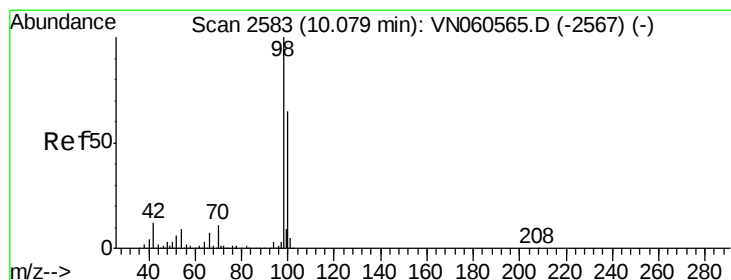
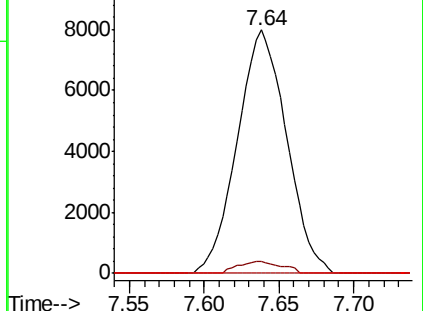
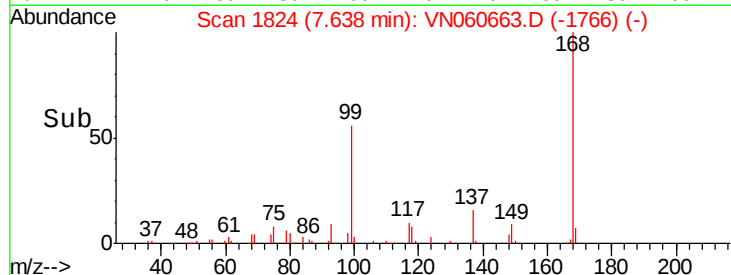
121 0.0 23.7 35.5#



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: 49.584 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060663.D

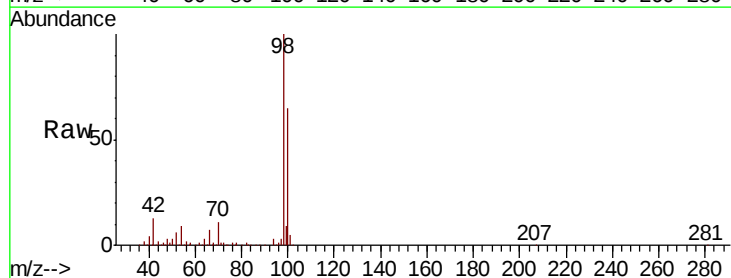
Acq: 24 Mar 2020 11:28

Tgt Ion: 98 Resp: 387325

Ion Ratio Lower Upper

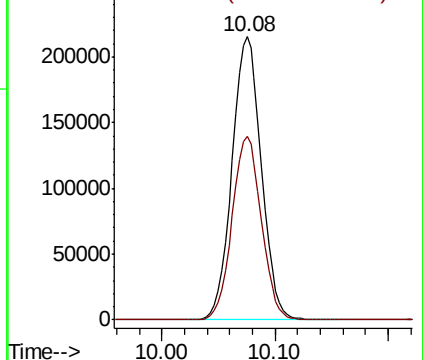
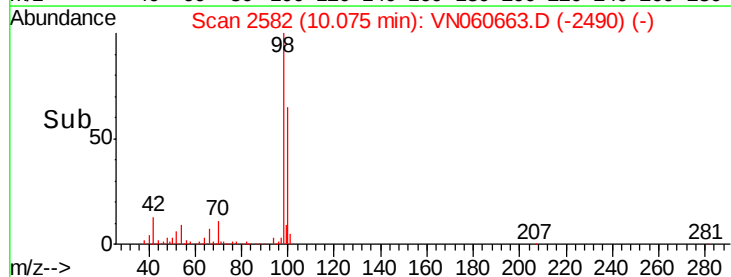
98 100

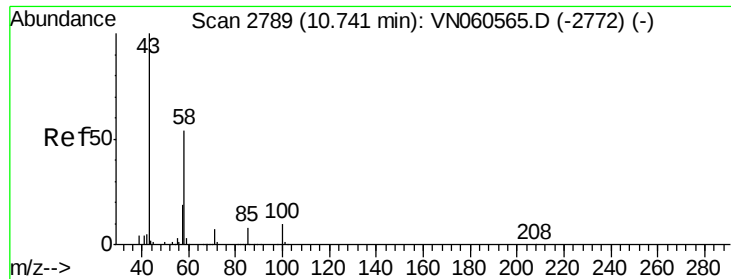
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

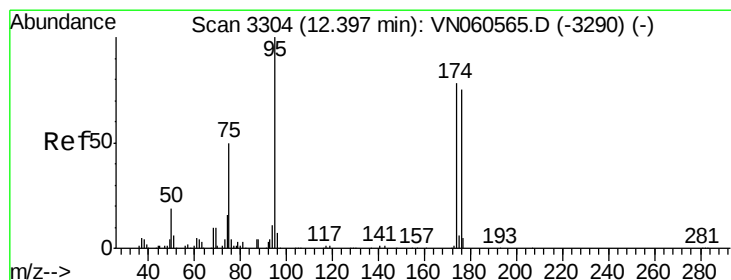
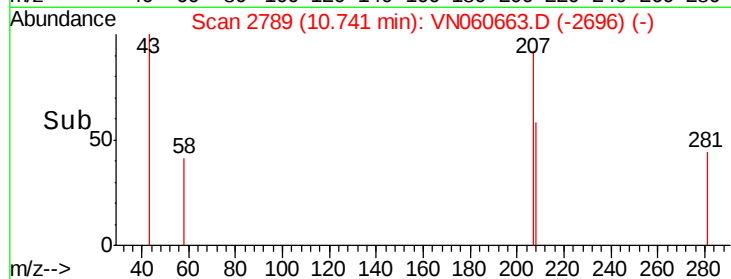
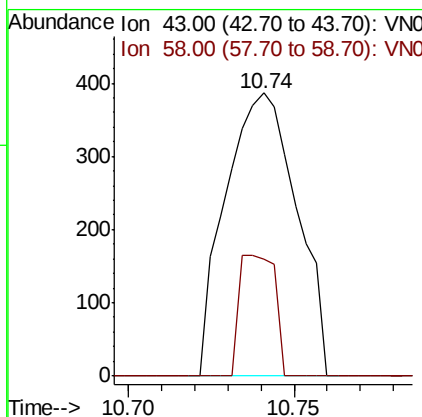
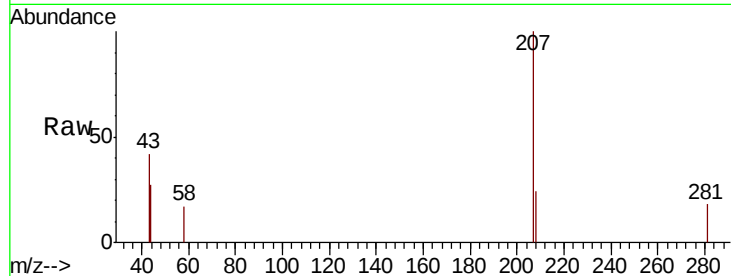




#59
2-Hexanone
Concen: 0.258 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

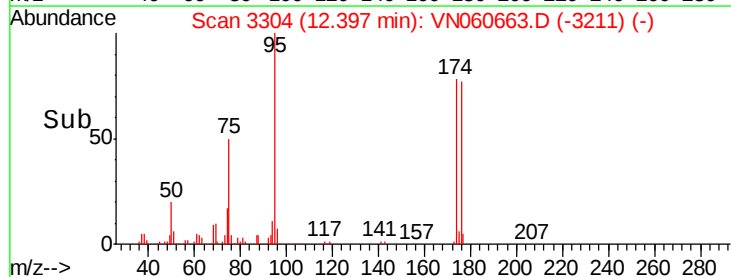
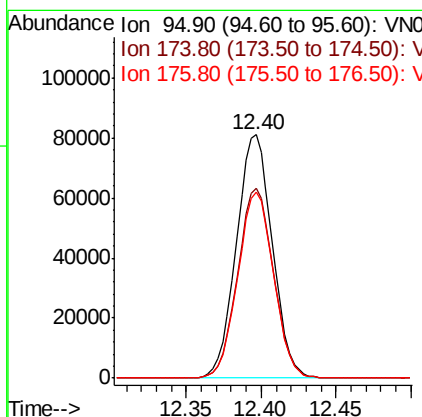
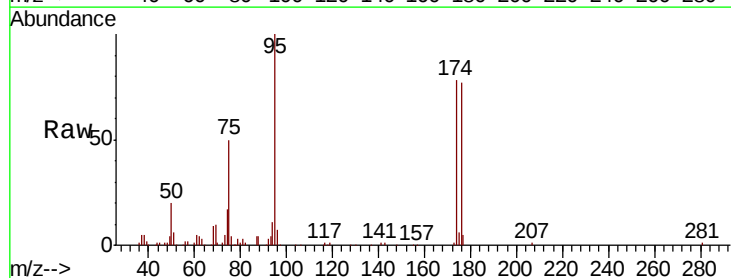
Instrument :
MSVOA_N
ClientSampled :

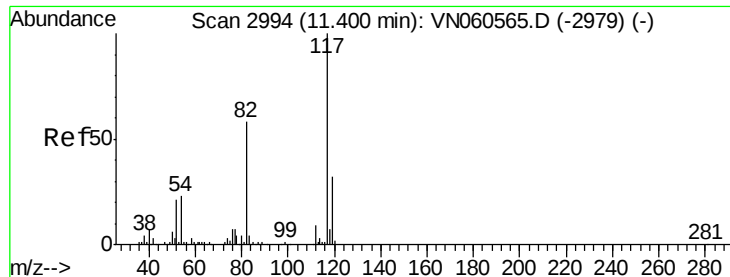
Tot Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
58 21.3 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 47.299 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

Tgt Ion: 95 Resp: 135408
Ion Ratio Lower Upper
95 100
174 78.1 0.0 157.6
176 76.2 0.0 150.6

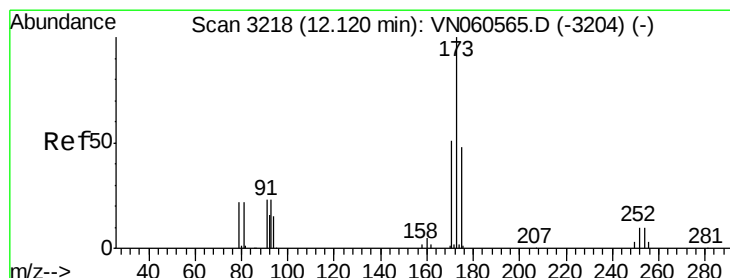
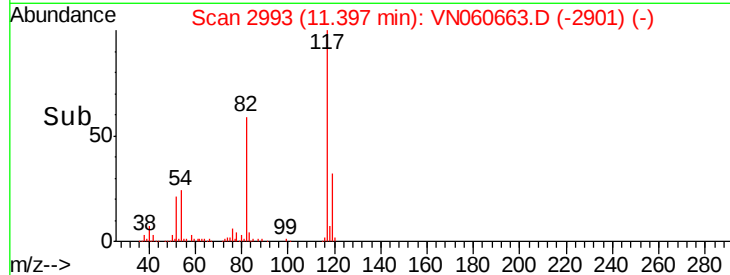
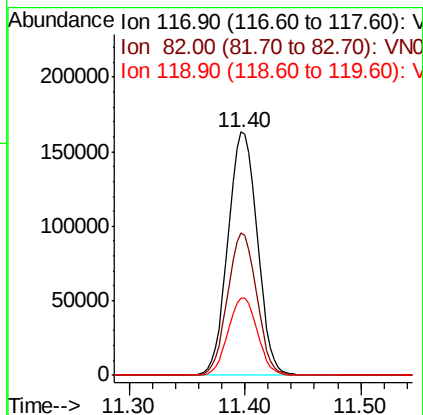
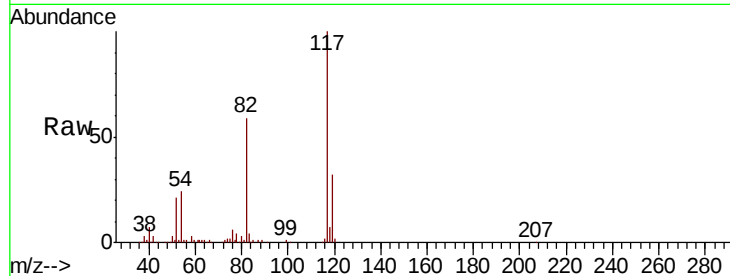




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

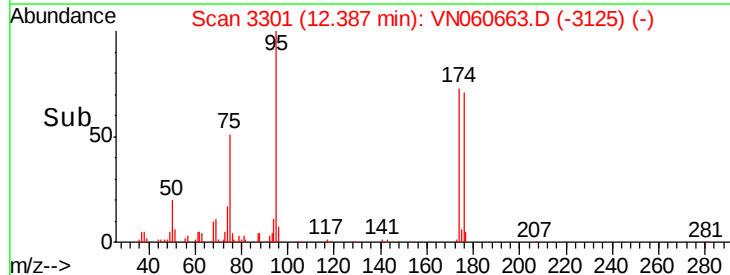
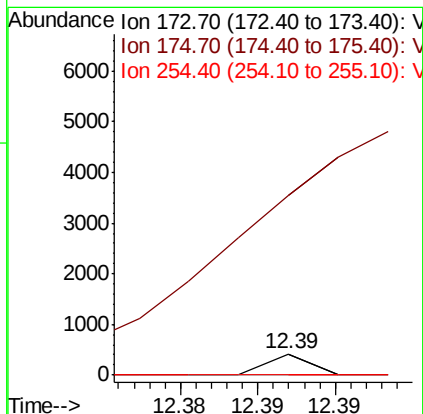
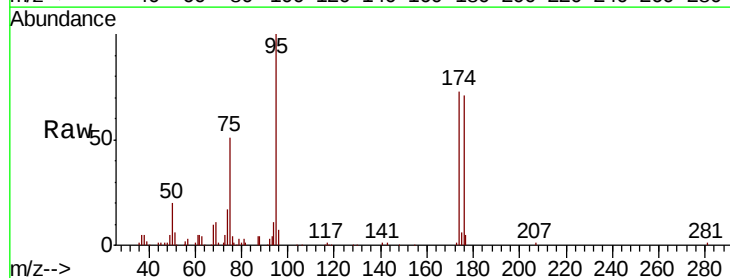
Instrument :
MSVOA_N
ClientSampled :

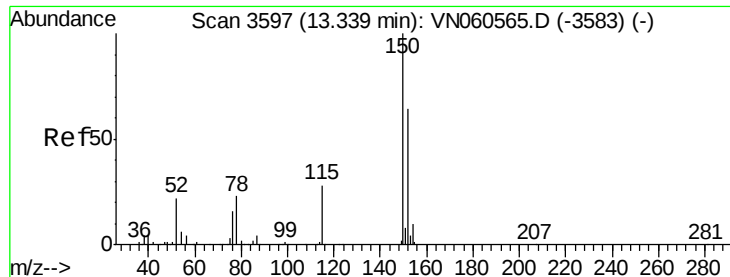
Tot Ion:117 Resp: 285396
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 32.0 25.5 38.3



#71
Bromoform
Concen: 1.727 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

Tgt Ion:173 Resp: 82
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



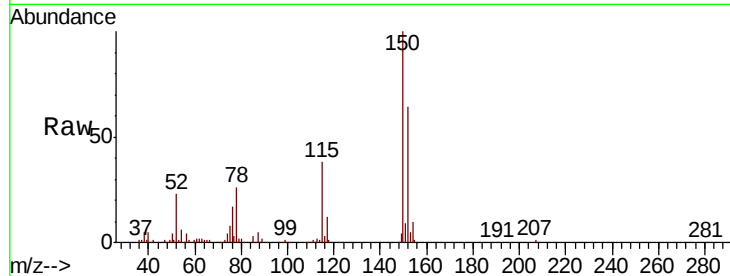


#72

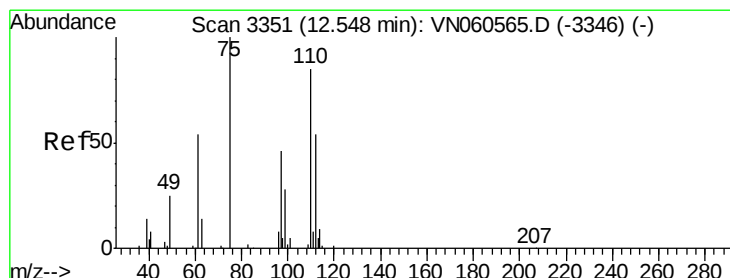
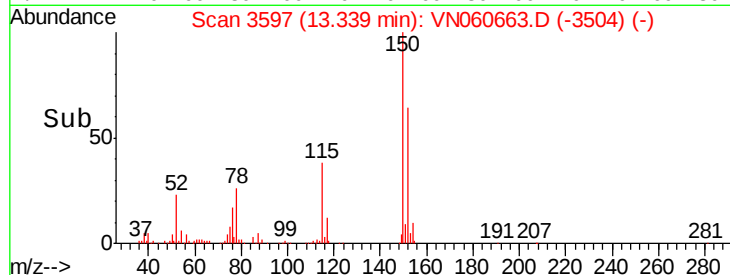
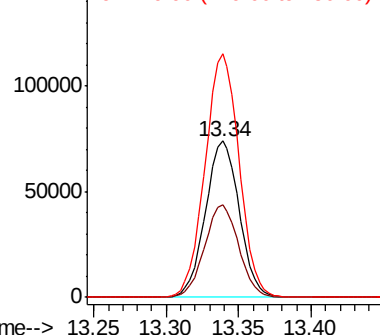
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 119604
Ion Ratio Lower Upper
152 100
115 59.5 30.2 90.6
150 156.6 0.0 350.2



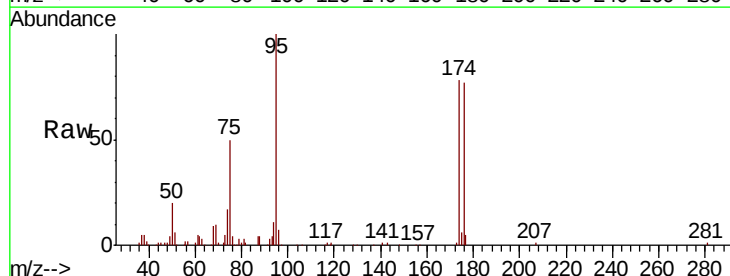
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



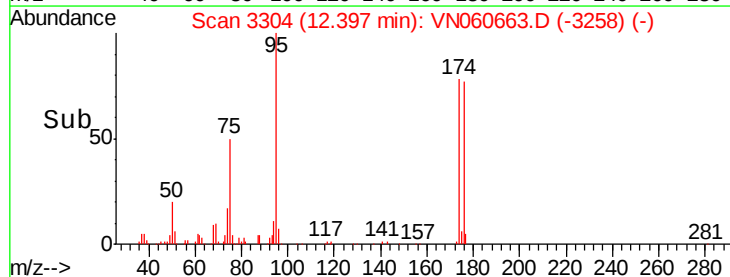
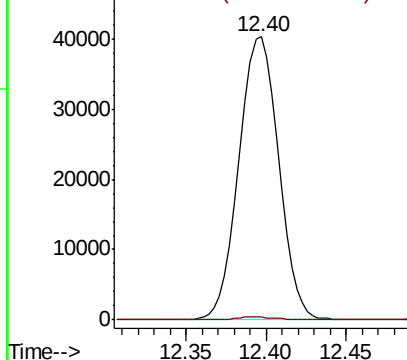
#76

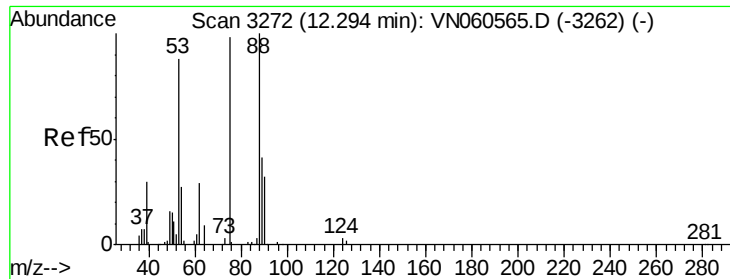
1,2,3-Trichloropropane
Concen: 26.536 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

Tgt Ion: 75 Resp: 68484
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

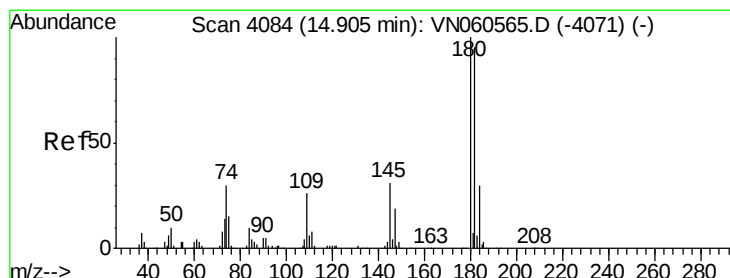
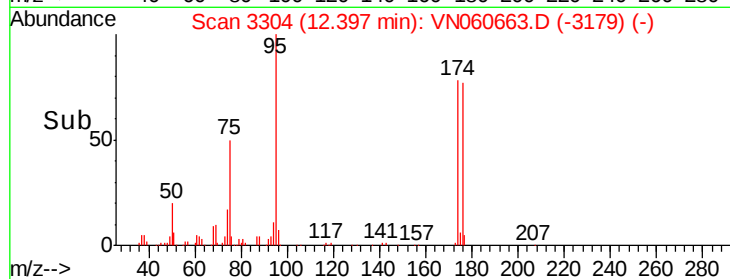
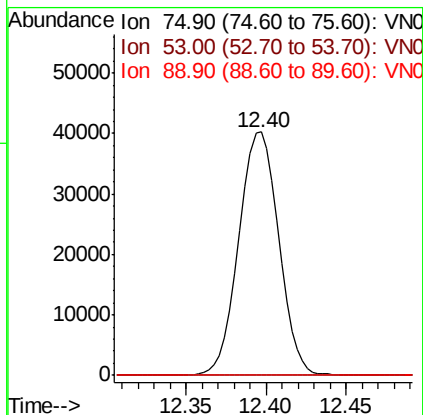
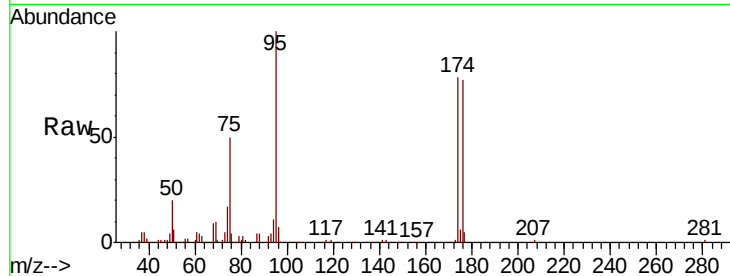




#81
trans-1,4-Dichloro-2-butene
Concen: 68.152 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

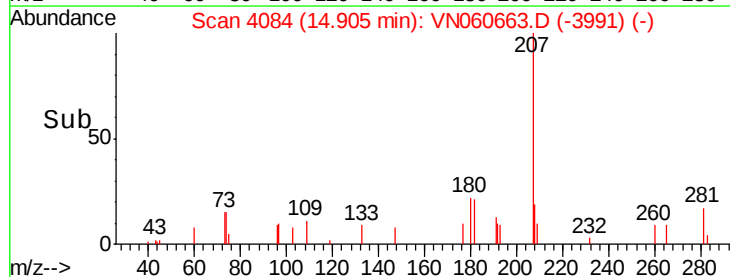
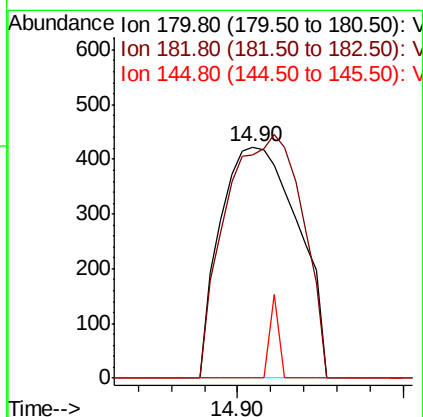
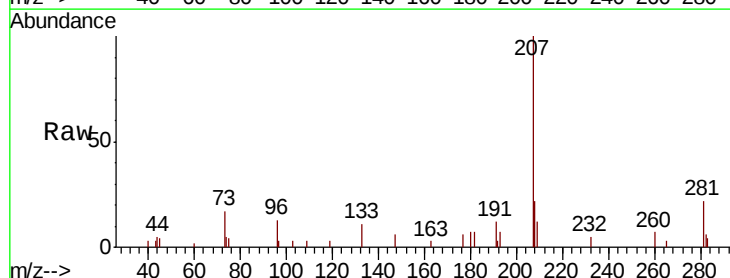
Instrument :
MSVOA_N
ClientSampled :

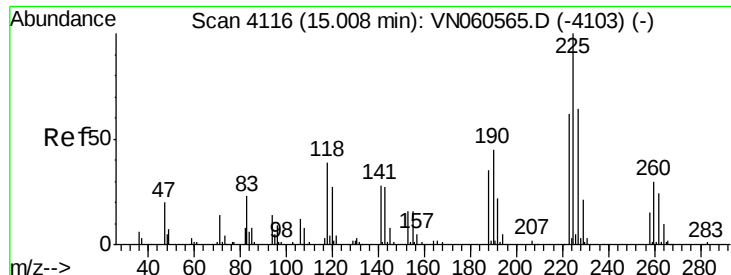
Tot Ion: 75 Resp: 68484
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.308 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. -0.00 min
Lab File: VN060663.D
Acq: 24 Mar 2020 11:28

Tgt Ion: 180 Resp: 689
Ion Ratio Lower Upper
180 100
182 103.8 47.9 143.8
145 4.2 15.4 46.2#





#94

Hexachlorobutadiene

Concen: 0.299 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN060663.D

Acq: 24 Mar 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

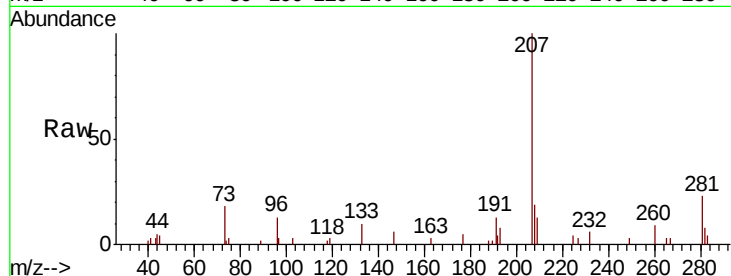
Tot Ion:225 Resp: 328

Ion Ratio Lower Upper

225 100

223 28.0 31.6 95.0#

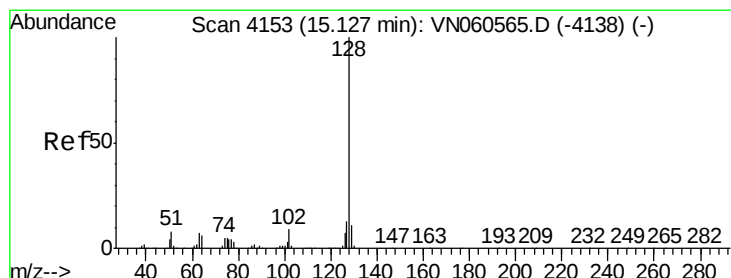
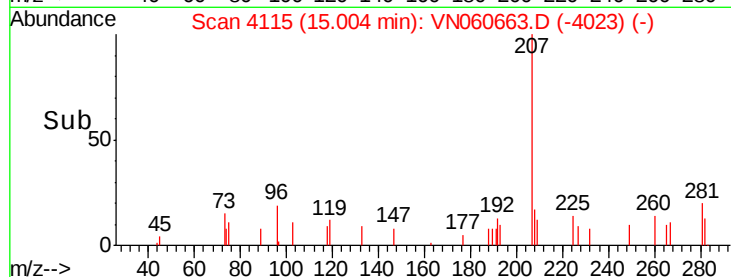
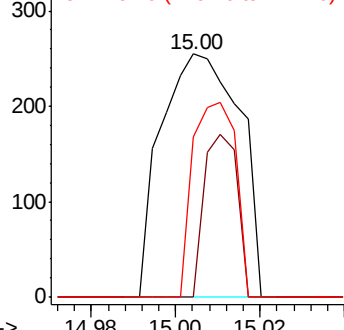
227 43.9 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.521 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060663.D

Acq: 24 Mar 2020 11:28

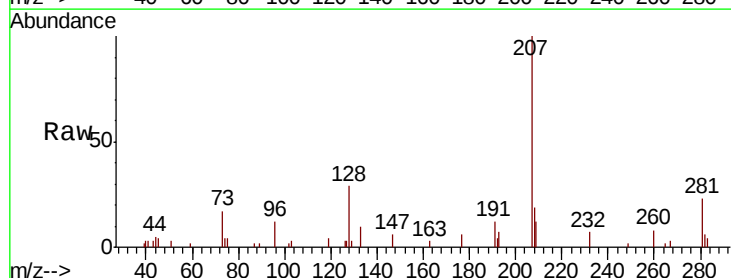
Tgt Ion:128 Resp: 3512

Ion Ratio Lower Upper

128 100

127 8.7 10.2 15.2#

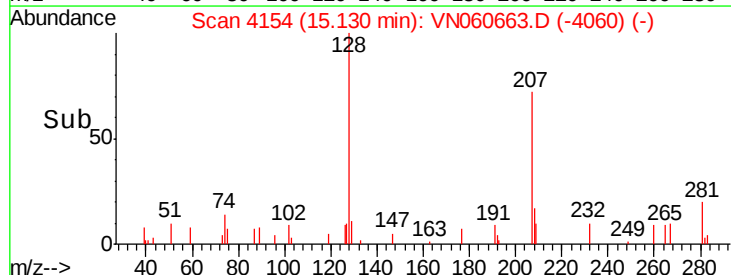
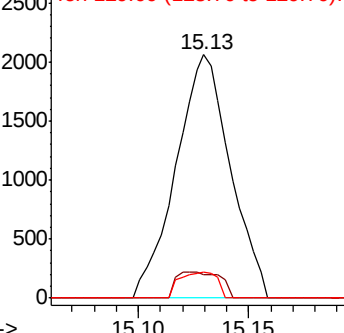
129 7.4 8.8 13.2#

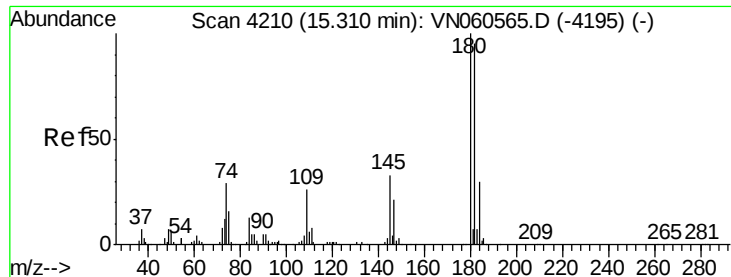


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.461 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060663.D
 Acq: 24 Mar 2020 11:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.5	142.6
145	19.7	16.3	48.8

