

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057935.D
 Acq On : 11 Sep 2019 19:48
 Operator : JC/SP
 Sample : K4835-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Quant Time: Sep 12 02:31:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	297883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	496297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	330893	54.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.68%		
35) Dibromofluoromethane	7.58	113	220238	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.16%		
50) Toluene-d8	10.09	98	887130	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.76%		
62) 4-Bromofluorobenzene	12.41	95	290111	42.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.62%		

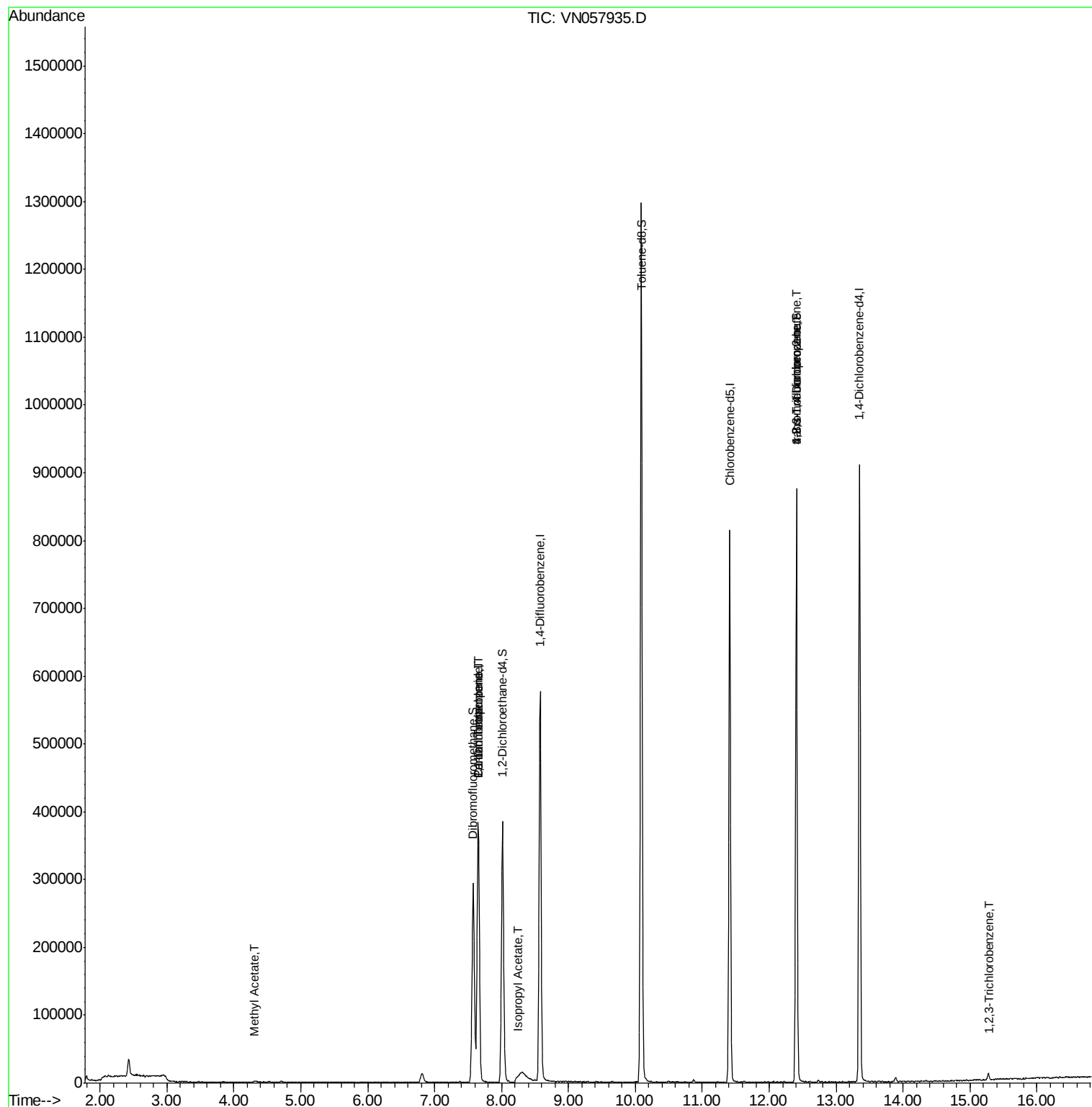
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	157	Below Cal	#	2
18) Methyl Acetate	4.31	43	1242	0.236	ug/l #	86
20) Methylene Chloride	4.51	84	256	Below Cal	#	14
31) Cyclohexane	7.65	56	7874	Below Cal	#	20
36) 1,1-Dichloropropene	7.65	75	25918	4.503	ug/l #	51
38) Carbon Tetrachloride	7.65	117	30570	5.817	ug/l #	16
43) Isopropyl Acetate	8.24	43	7183	0.718	ug/l #	56
76) 1,2,3-Trichloropropane	12.41	75	159949	31.174	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	159949	109.702	ug/l #	6
95) Naphthalene	15.13	128	1074	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	249	1.051	ug/l #	69

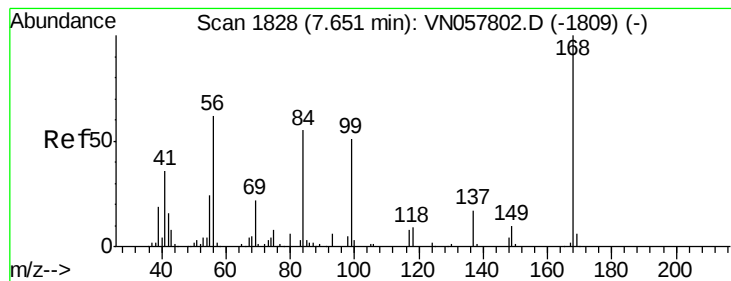
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057935.D

Acq: 11 Sep 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

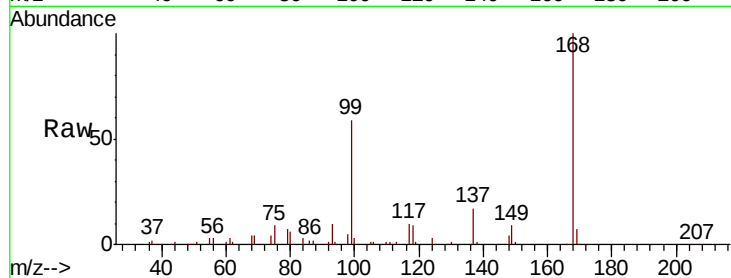
TRIP

Tgt Ion:168 Resp: 297883

Ion Ratio Lower Upper

168 100

99 59.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

150000

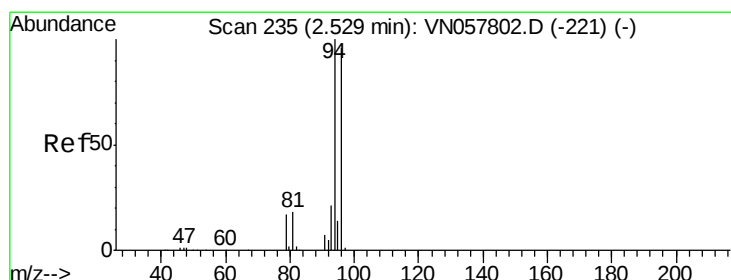
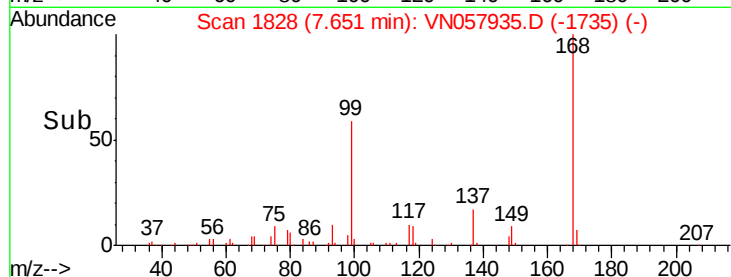
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057935.D

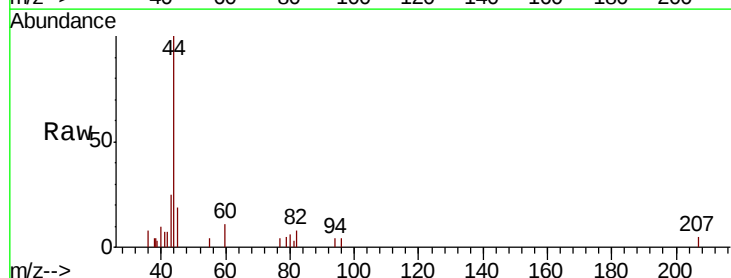
Acq: 11 Sep 2019 19:48

Tgt Ion: 94 Resp: 157

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.54

400

300

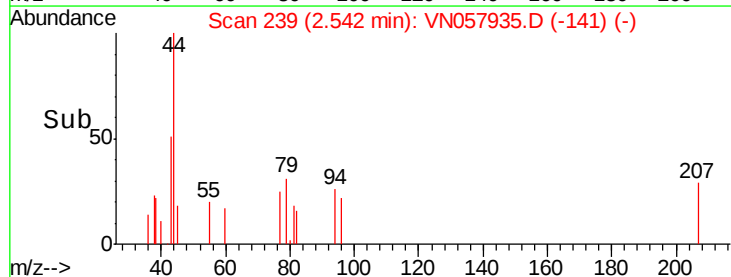
200

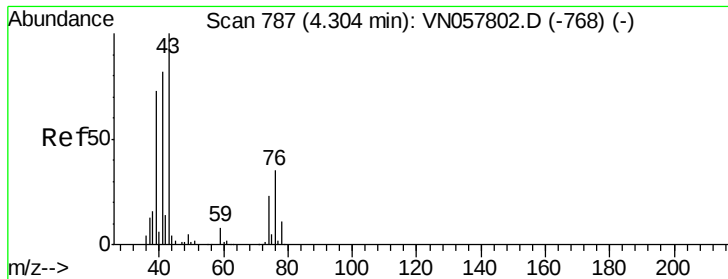
100

0

2.53 2.54 2.55

Time-->

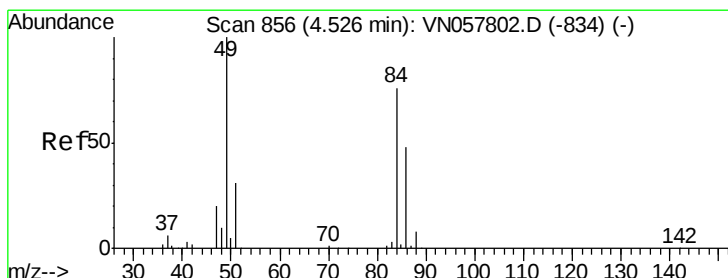
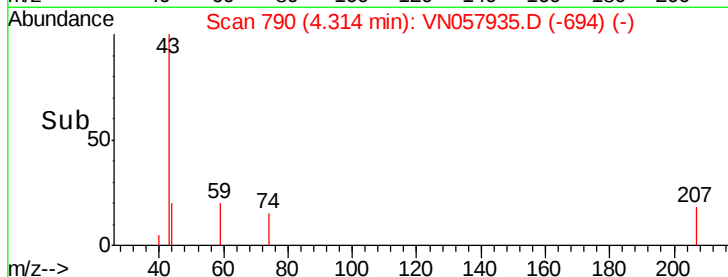
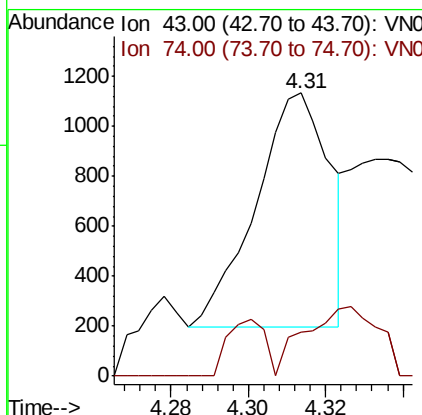
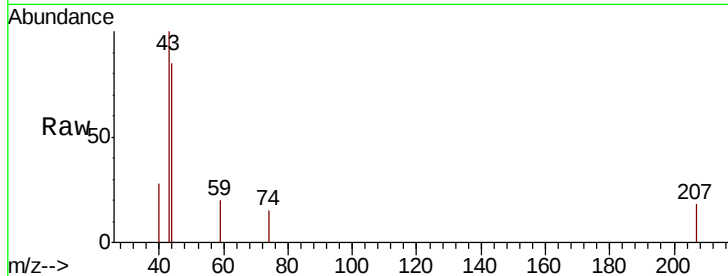




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

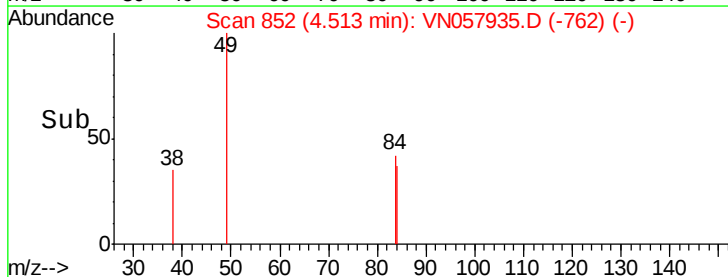
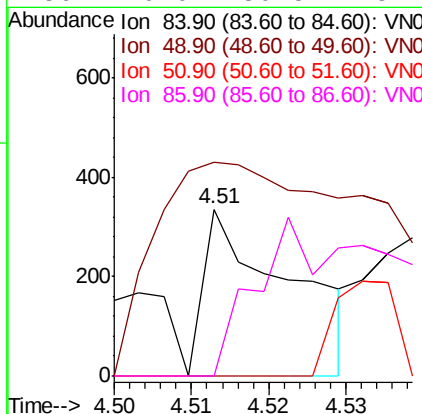
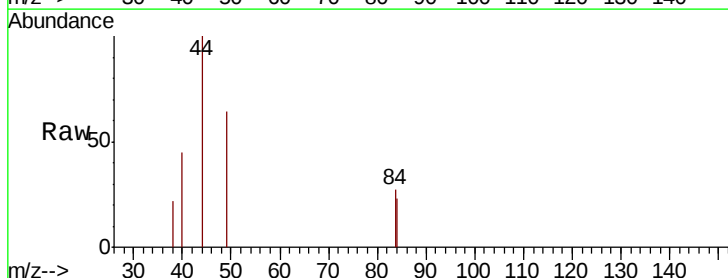
Instrument :
MSVOA_N
ClientSampled :
TRIP

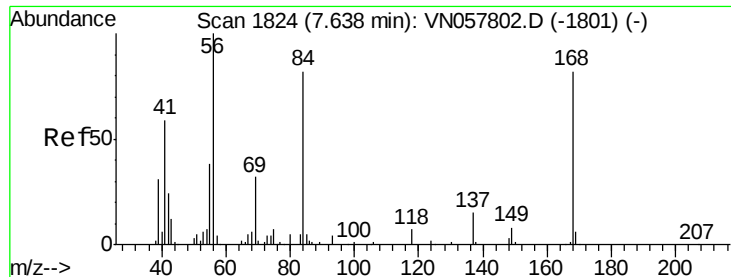
Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
74 29.0 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

Tgt Ion: 84 Resp: 256
Ion Ratio Lower Upper
84 100
49 21.1 104.8 157.2#
51 0.0 33.0 49.4#
86 0.0 50.5 75.7#

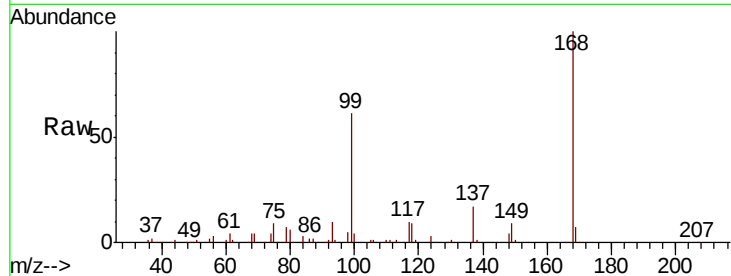




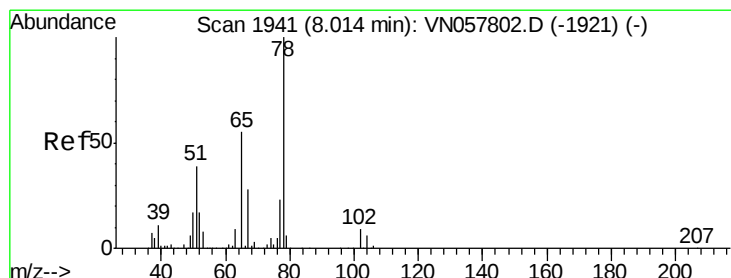
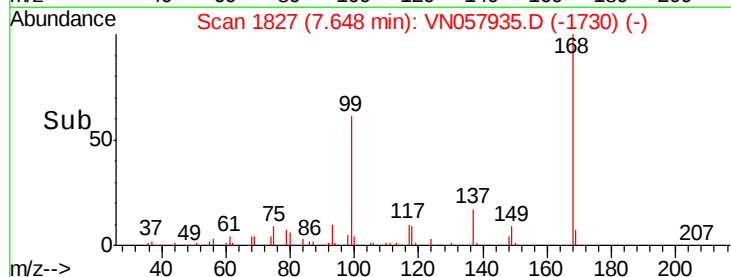
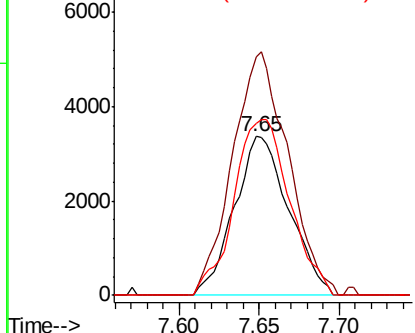
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

Instrument :
MSVOA_N
ClientSampled :
TRIP

Tgt Ion: 56 Resp: 7874
Ion Ratio Lower Upper
56 100
69 149.9 25.9 38.9#
84 108.0 65.6 98.4#

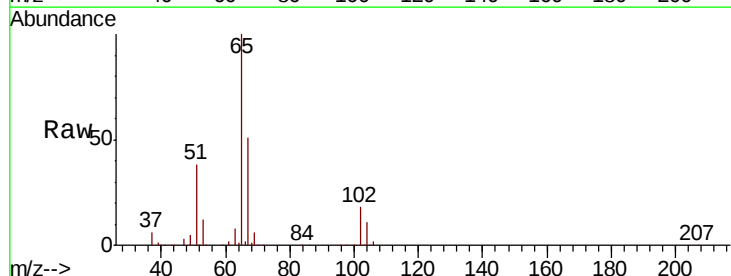


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

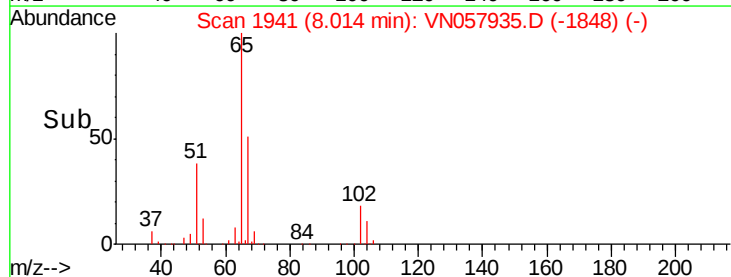
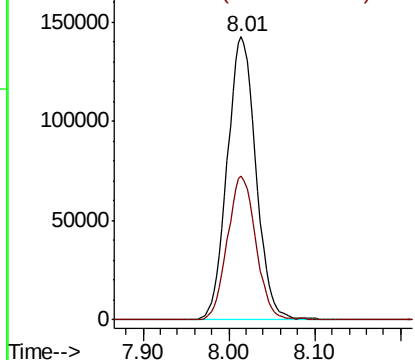


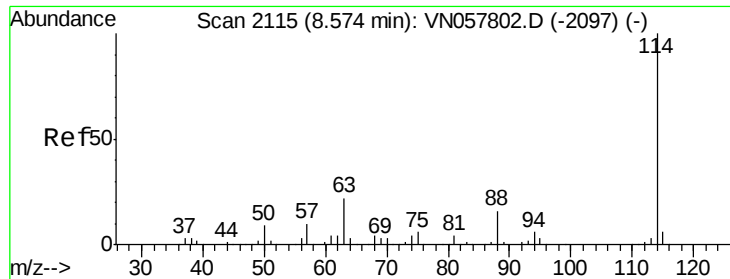
#33
1,2-Dichloroethane-d4
Concen: 54.844 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

Tgt Ion: 65 Resp: 330893
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

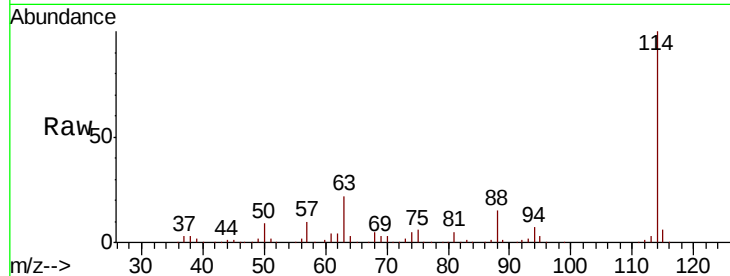




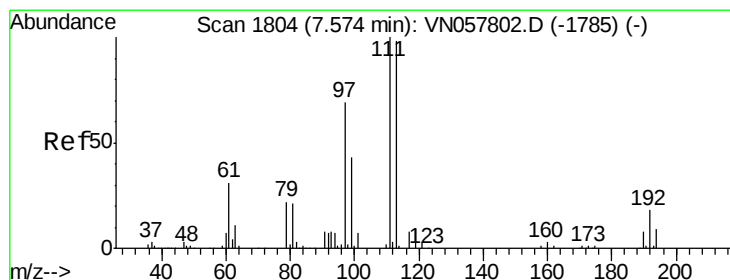
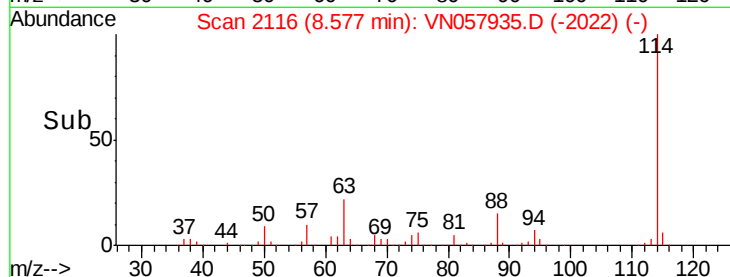
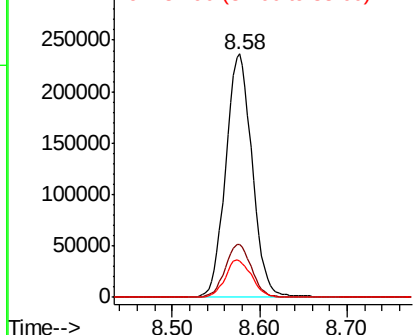
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057935.D
 Acq: 11 Sep 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Tgt Ion:114 Resp: 496297
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.0
 88 15.1 0.0 31.4

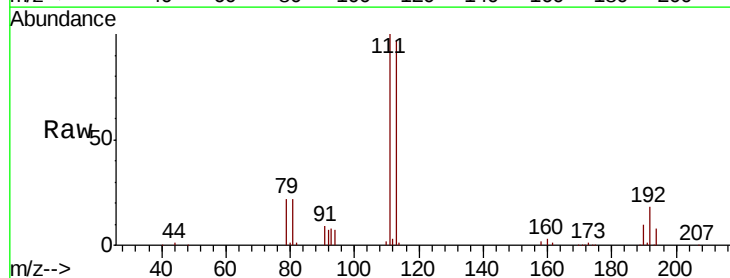


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

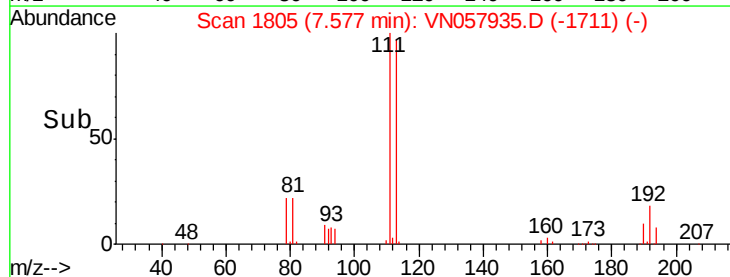
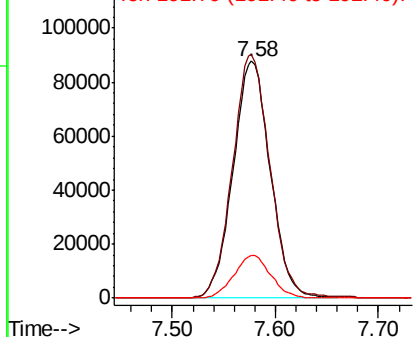


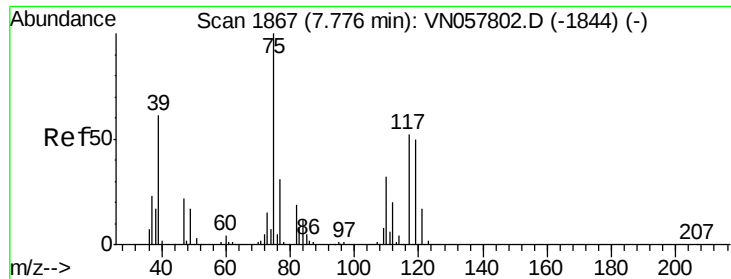
#35
 Dibromofluoromethane
 Concen: 48.080 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057935.D
 Acq: 11 Sep 2019 19:48

Tgt Ion:113 Resp: 220238
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.3 121.9
 192 17.8 14.6 22.0



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

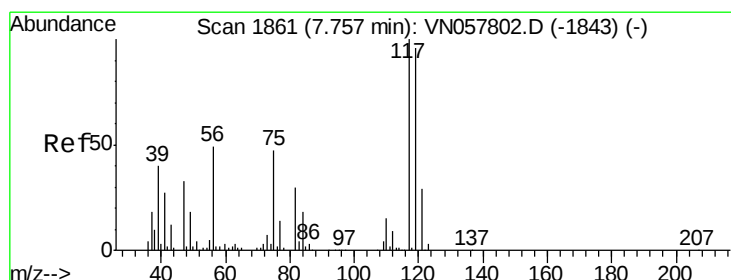
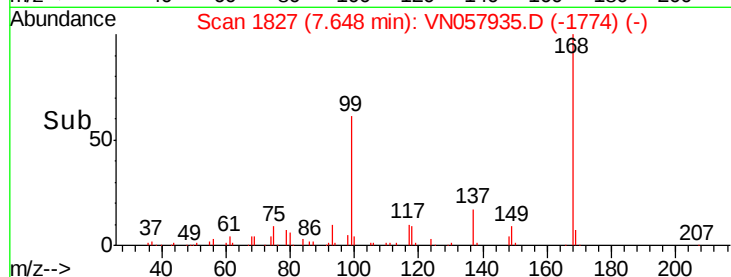
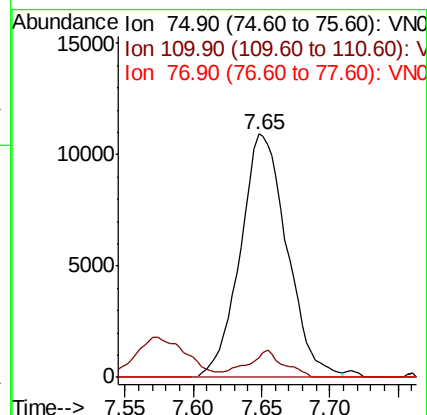
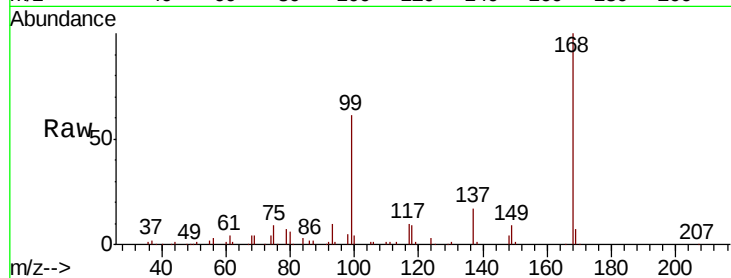




#36
 1,1-Dichloropropene
 Concen: 4.503 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057935.D
 Acq: 11 Sep 2019 19:48

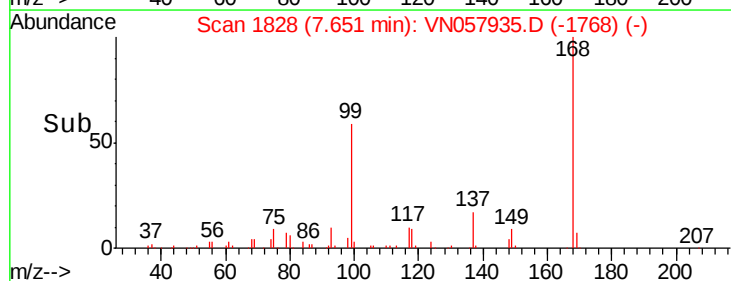
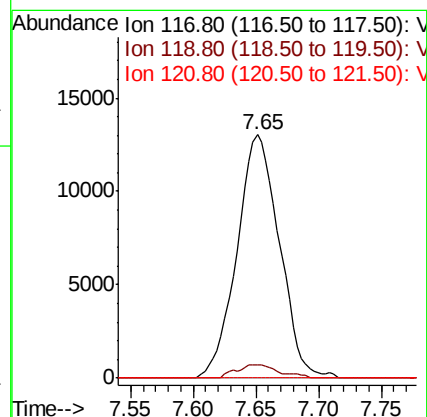
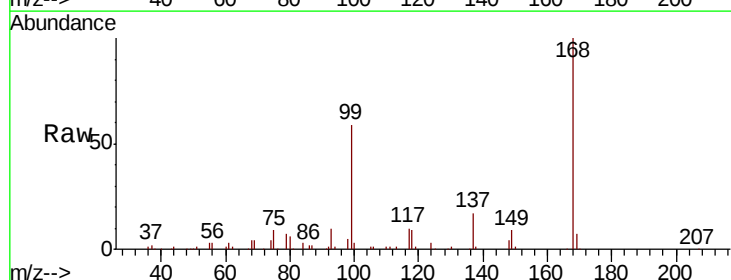
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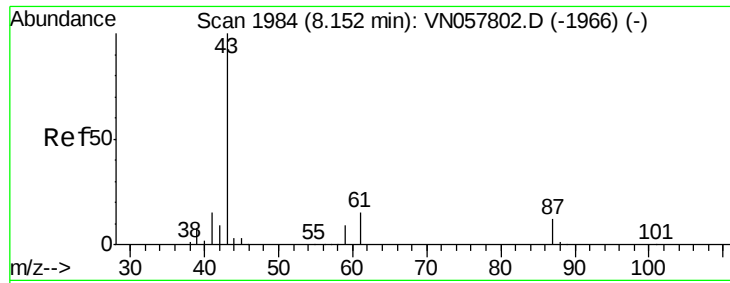
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.3	48.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.817 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057935.D
 Acq: 11 Sep 2019 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.9	115.3#
121	0.0	23.4	35.2#

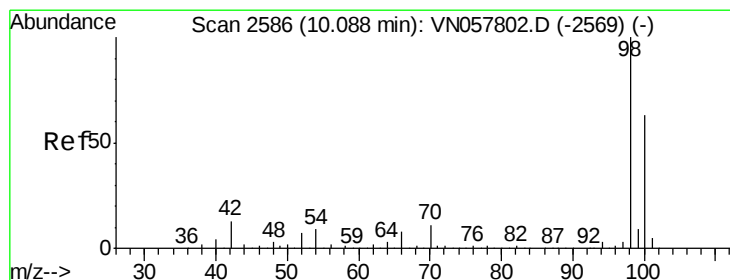
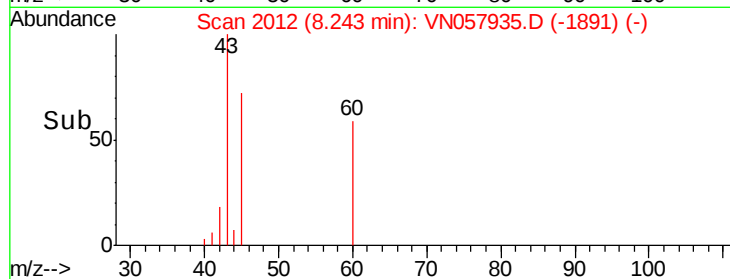
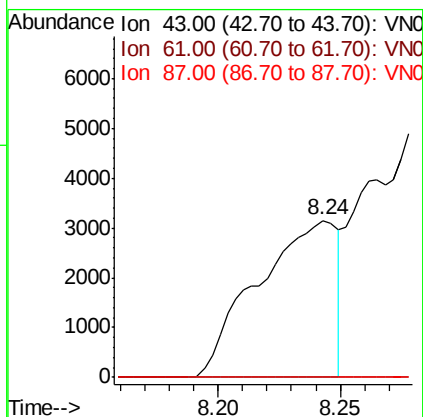
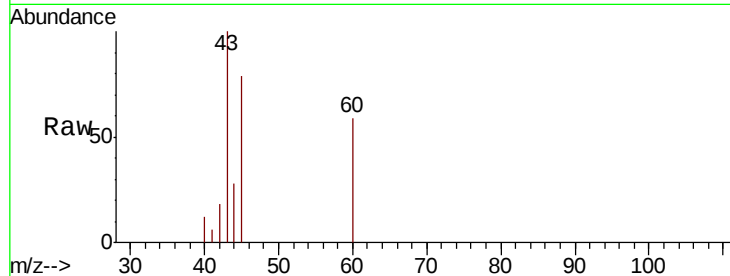




#43
Isopropyl Acetate
Concen: 0.718 ug/l
RT: 8.24 min Scan# 2012
Delta R.T. 0.09 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

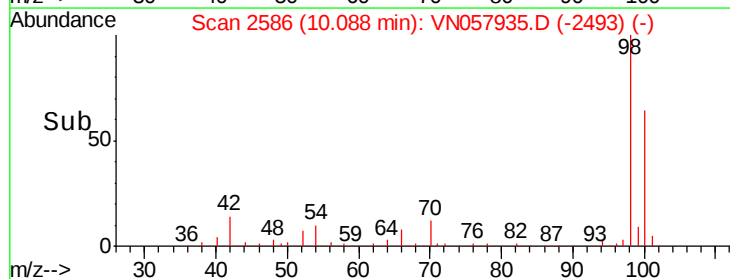
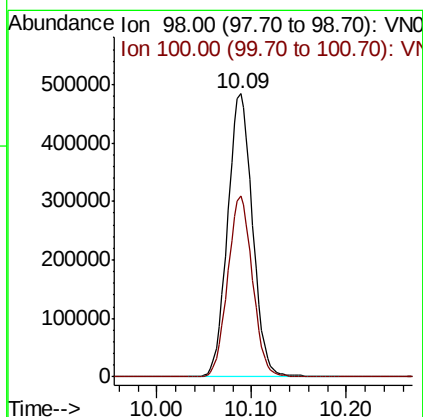
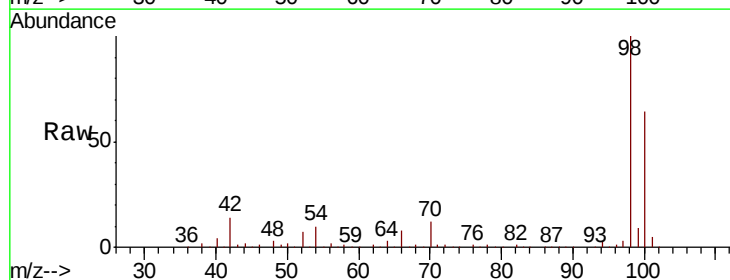
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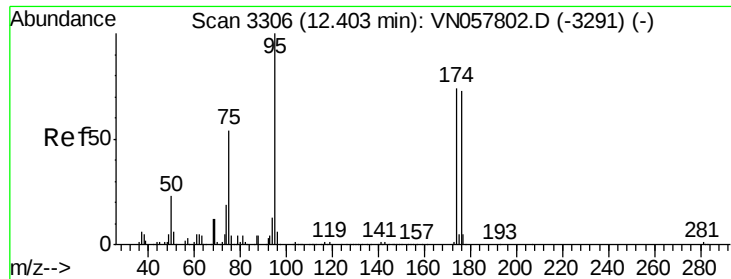
Tgt Ion: 43 Resp: 7183
Ion Ratio Lower Upper
43 100
61 0.0 20.1 30.1#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.882 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

Tgt Ion: 98 Resp: 887130
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5

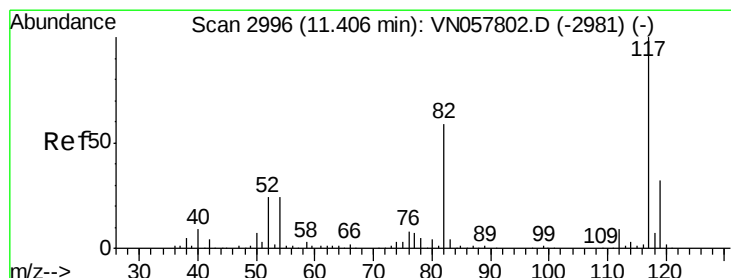
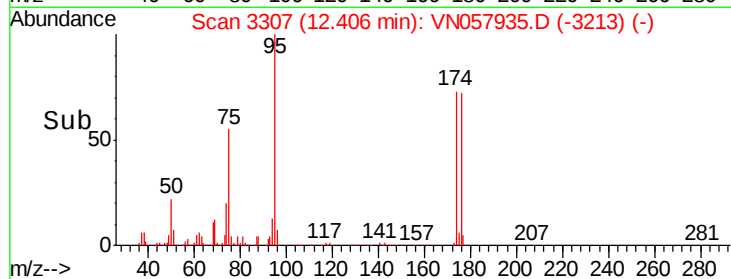
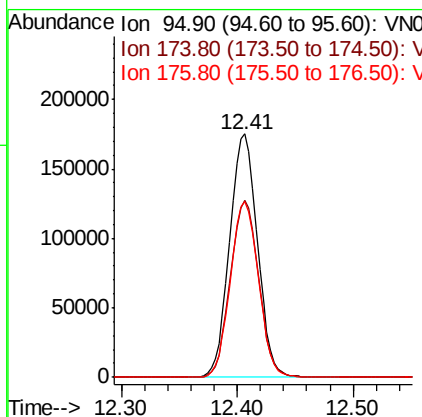
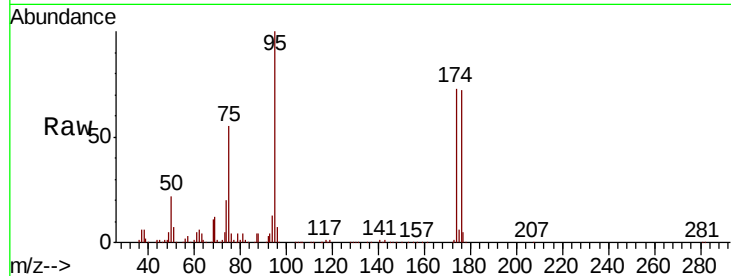




#62
4-Bromofluorobenzene
Concen: 42.805 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

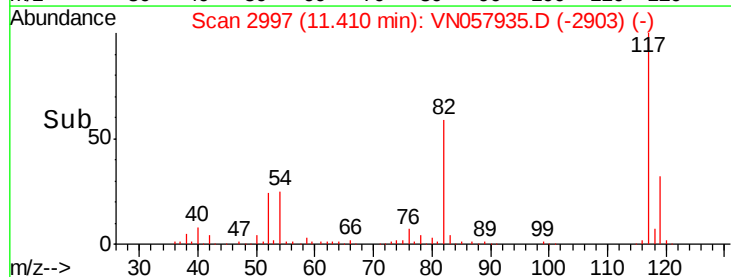
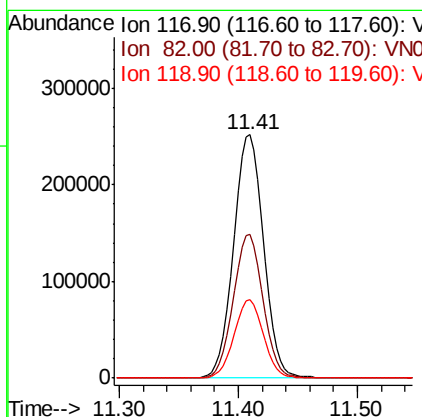
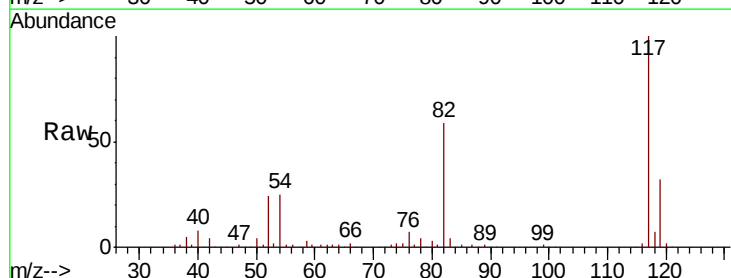
Instrument :
MSVOA_N
ClientSampleId :
TRIP

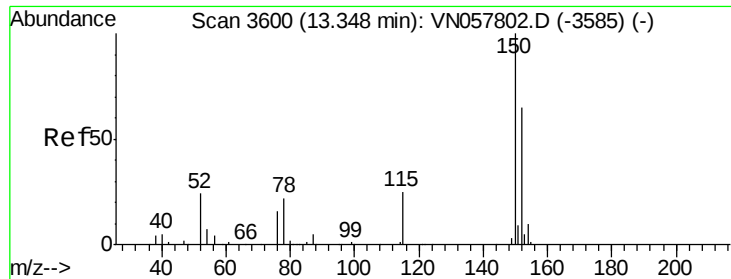
Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	150.2
176	72.9	0.0	146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057935.D
Acq: 11 Sep 2019 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.2	70.8
119	32.2	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057935.D

Acq: 11 Sep 2019 19:48

Instrument :

MSVOA_N

ClientSampled :

TRIP

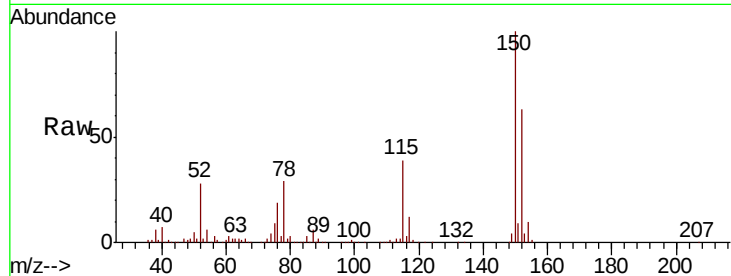
Tgt Ion:152 Resp: 226811

Ion Ratio Lower Upper

152 100

115 61.8 30.3 91.0

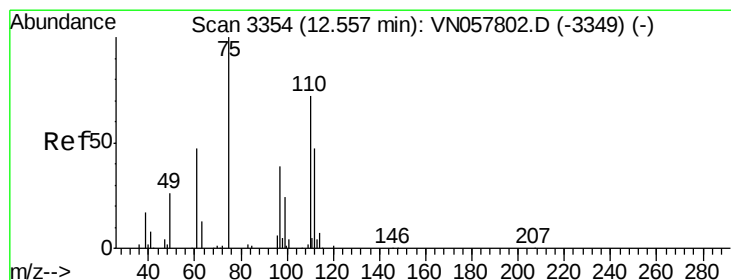
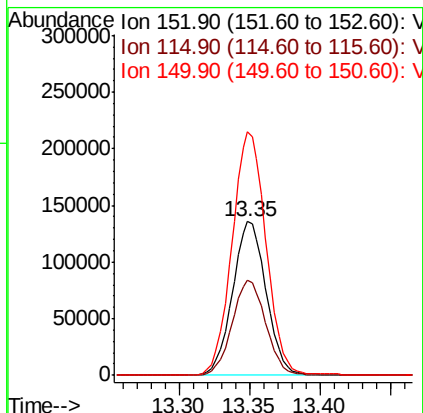
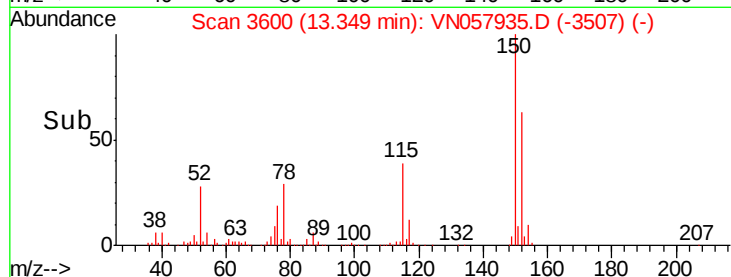
150 159.9 0.0 352.4



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: 31.174 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057935.D

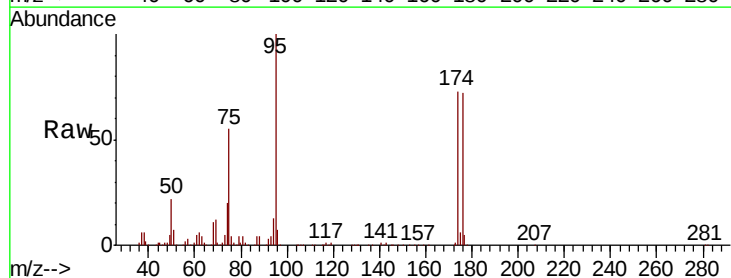
Acq: 11 Sep 2019 19:48

Tgt Ion: 75 Resp: 159949

Ion Ratio Lower Upper

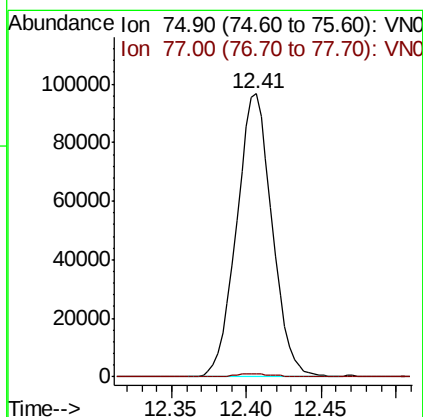
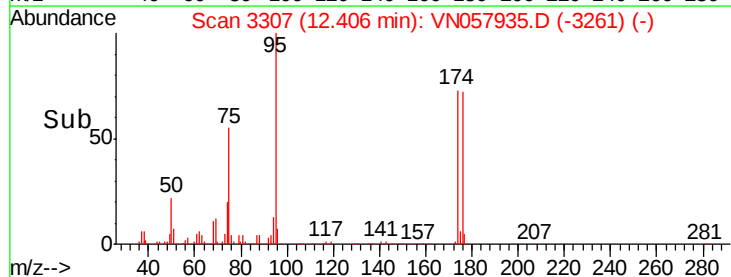
75 100

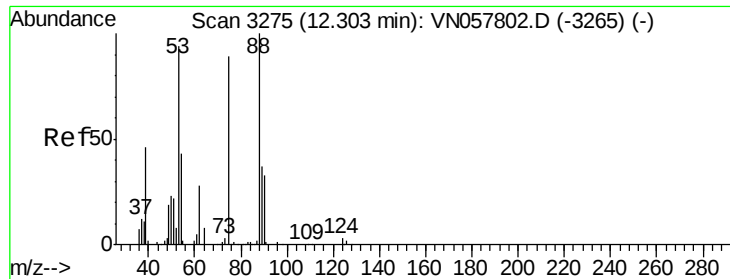
77 1.2 0.0 0.0#



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: 109.702 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057935.D

Acq: 11 Sep 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

TRIP

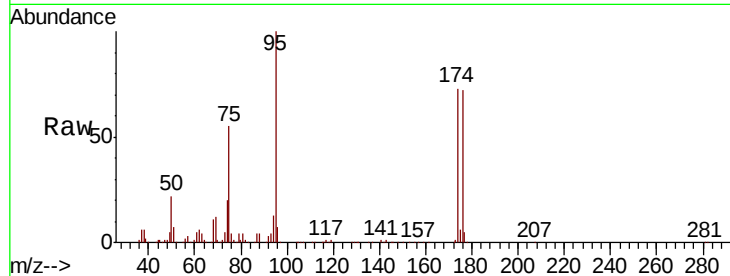
Tgt Ion: 75 Resp: 159949

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

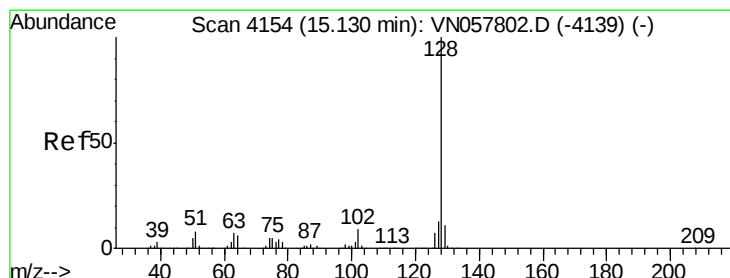
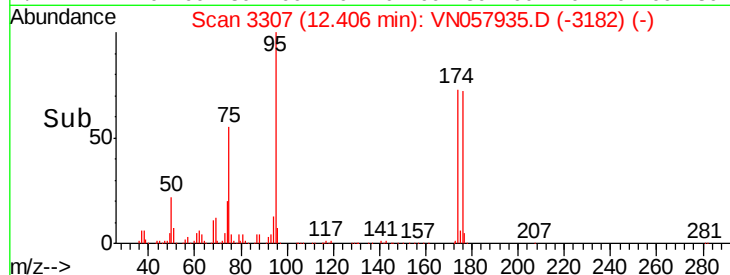
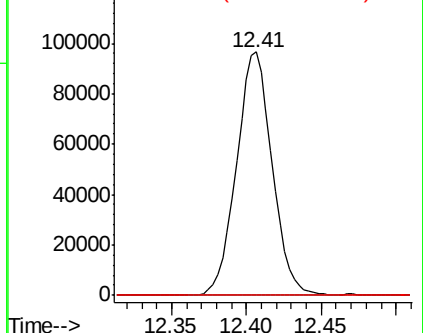
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057802.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057802.D (-3265) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057935.D

Acq: 11 Sep 2019 19:48

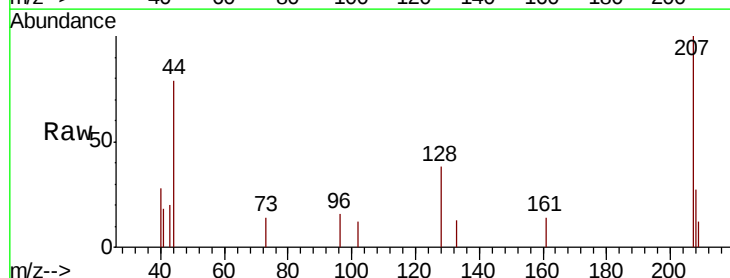
Tgt Ion: 128 Resp: 1074

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

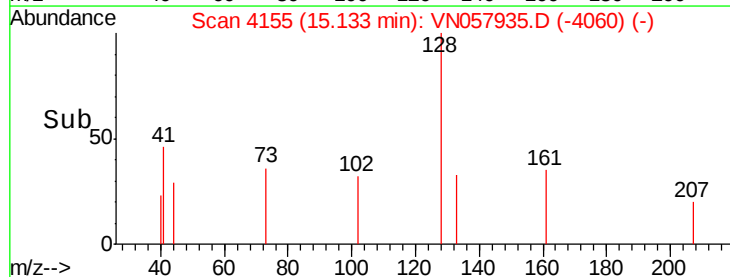
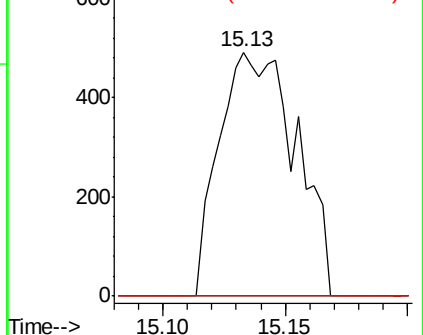
129 0.0 8.6 12.8#

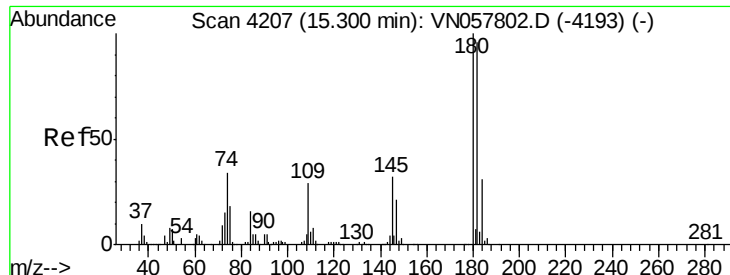


Abundance Ion 128.00 (127.70 to 128.70): VN057802.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN057802.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN057802.D (-4139) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 1.051 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057935.D
 Acq: 11 Sep 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Tgt Ion:180 Resp: 249
 Ion Ratio Lower Upper
 180 100
 182 75.1 48.3 144.8
 145 0.0 16.3 48.8#

