

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054630.D
 Acq On : 24 Mar 2019 3:53
 Operator : JC/SP
 Sample : K2043-11
 Misc : 5.68g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB430-190319-(23-26)ME

Quant Time: Mar 25 03:43:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	567558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	884718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	747954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	304691	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	354795	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
35) Dibromofluoromethane	7.59	113	264537	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	10.09	98	1057782	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	337974	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

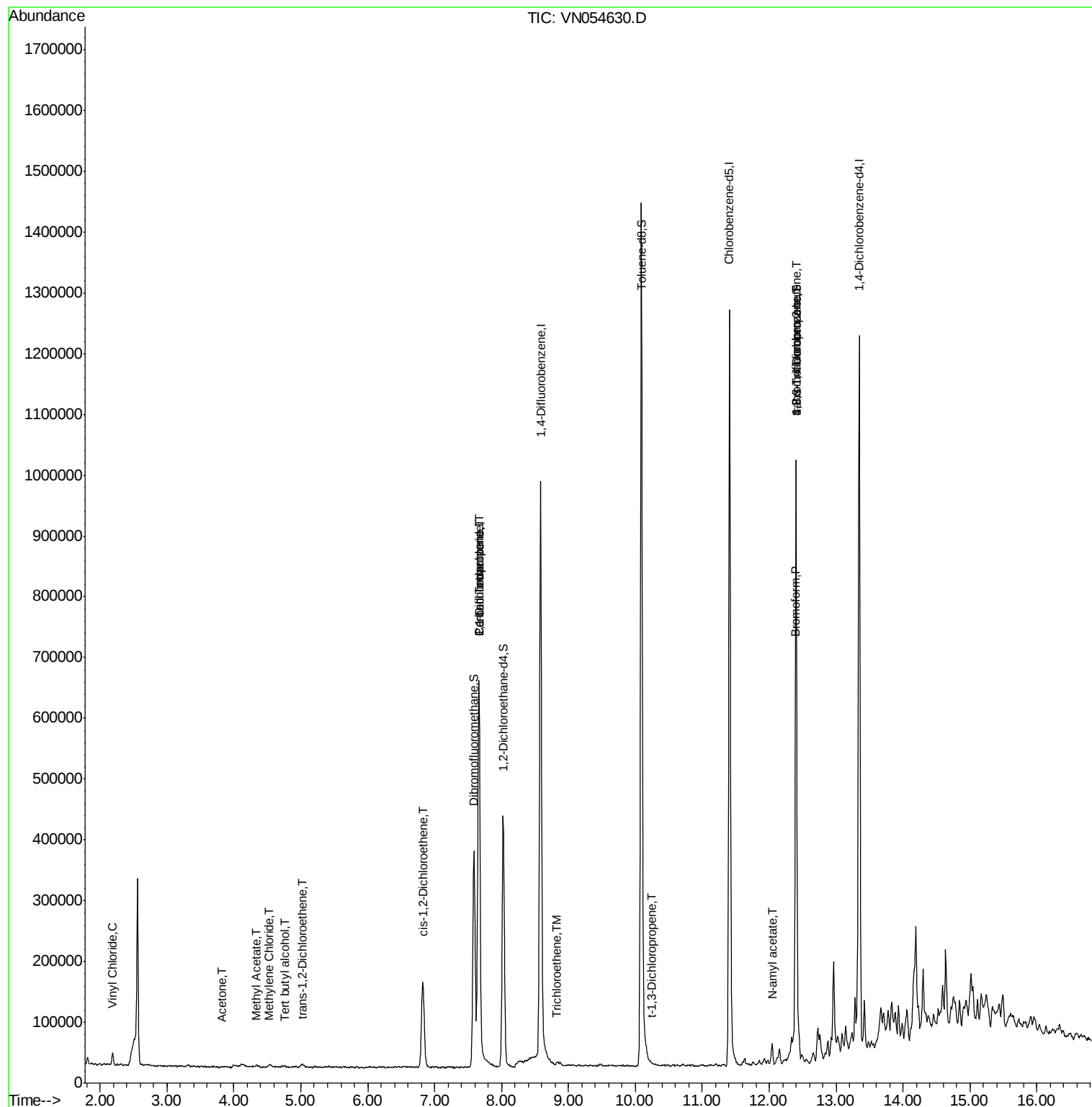
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	17645	2.381	ug/l	99
11) Tert butyl alcohol	4.75	59	1293	3.025	ug/l #	70
16) Acetone	3.83	43	896	0.422	ug/l #	38
18) Methyl Acetate	4.34	43	3977	0.841	ug/l #	82
20) Methylene Chloride	4.54	84	1810	0.289	ug/l #	76
21) trans-1,2-Dichloroethene	5.02	96	3138	0.561	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	89845	13.475	ug/l	98
31) Cyclohexane	7.66	56	11542	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	41716	5.043	ug/l #	48
38) Carbon Tetrachloride	7.66	117	49853	6.202	ug/l #	16
44) Trichloroethene	8.83	130	1365	0.208	ug/l	83
53) t-1,3-Dichloropropene	10.25	75	391	2.277	ug/l #	42
71) Bromoform	12.38	173	92	2.244	ug/l #	28
74) N-amyl acetate	12.04	43	7880	1.116	ug/l #	63
76) 1,2,3-Trichloropropane	12.40	75	174114	36.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174114	119.440	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054630.D

Acq: 24 Mar 2019 3:53

Instrument :

MSVOA_N

ClientSampleId :

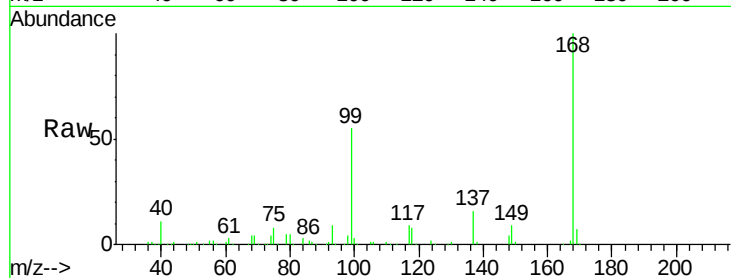
WP022SB430-190319-(23-26)ME

Tot Ion:168 Resp: 567558

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

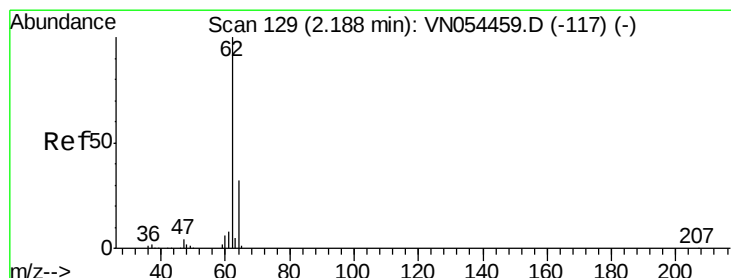
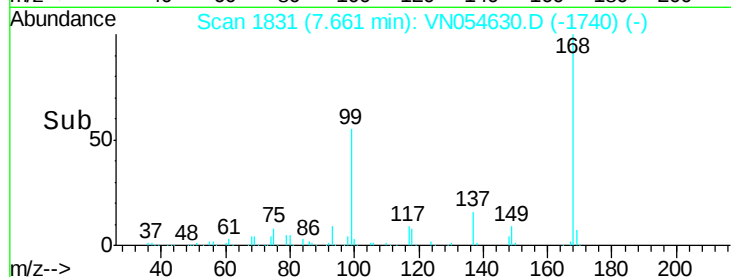
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 2.381 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054630.D

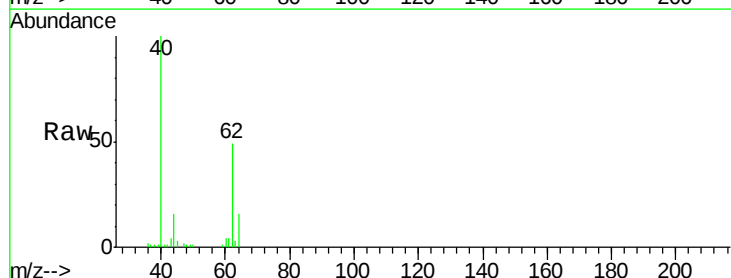
Acq: 24 Mar 2019 3:53

Tgt Ion: 62 Resp: 17645

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

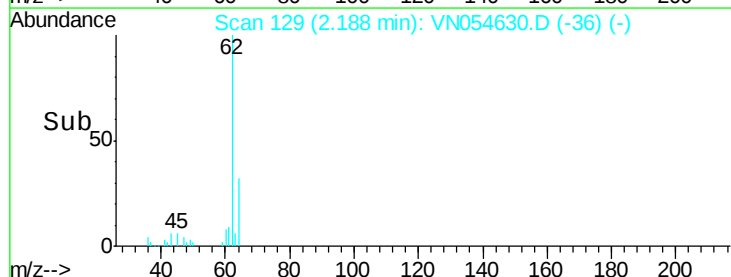
2.19

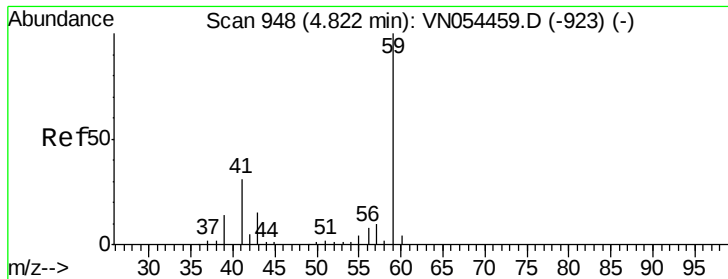
10000

5000

0

Time--> 2.15 2.20 2.25

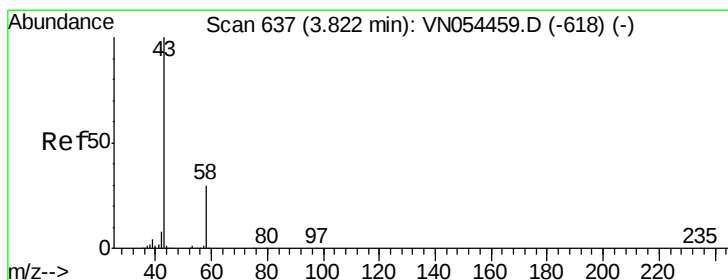
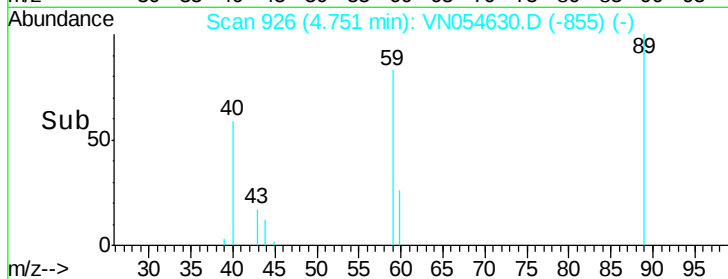
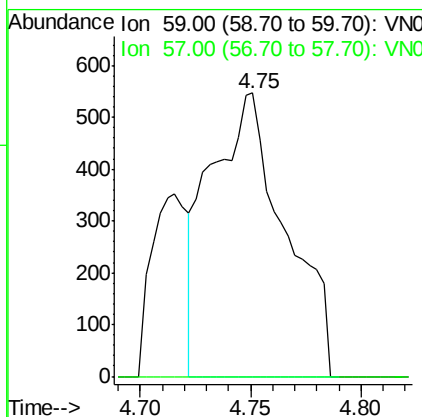
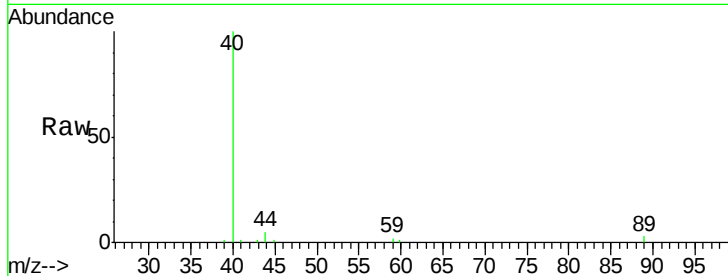




#11
Tert butyl alcohol
Concen: 3.025 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.07 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

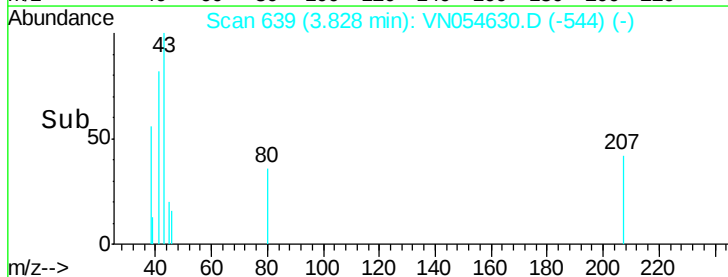
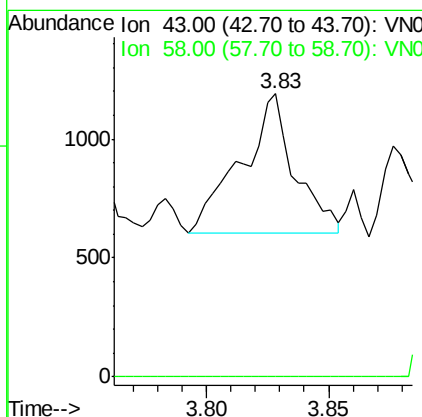
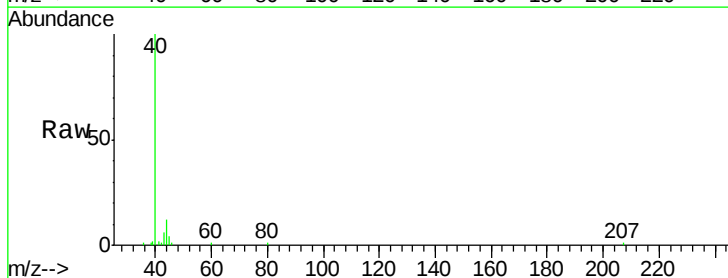
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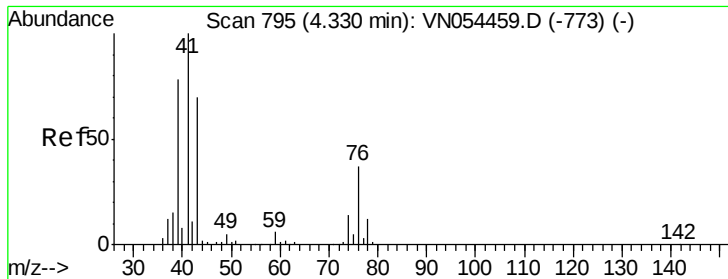
Tot Ion: 59 Resp: 1293
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#16
Acetone
Concen: 0.422 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 0.0 29.9 44.9#

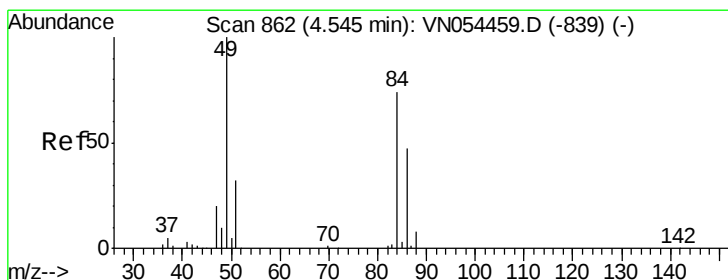
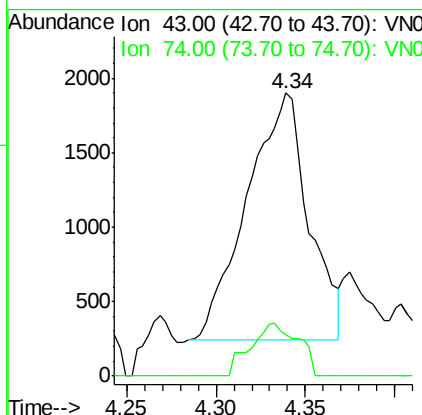
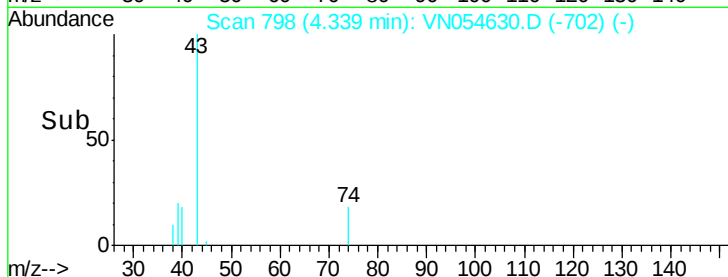
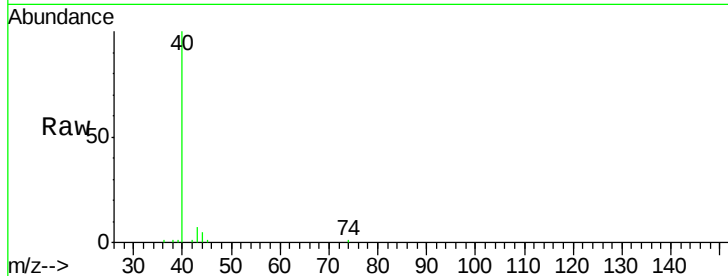




#18
Methyl Acetate
Concen: 0.841 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

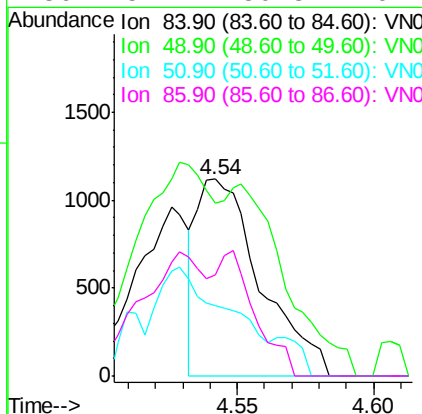
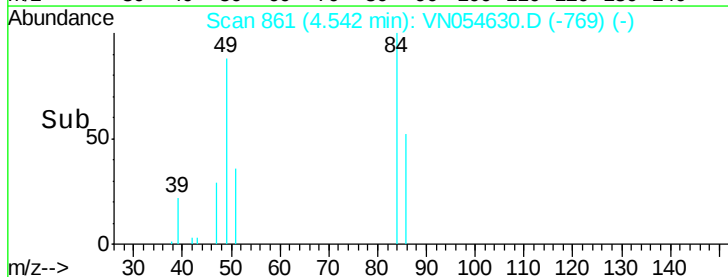
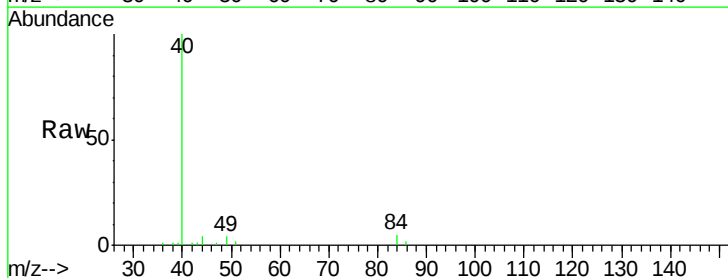
Instrument :
MSVOA_N
ClientSampleId :
WP022SB430-190319-(23-26)ME

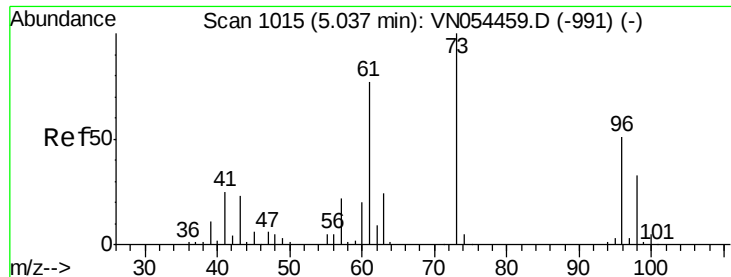
Tot Ion: 43 Resp: 3977
Ion Ratio Lower Upper
43 100
74 16.7 20.8 31.2#



#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Tgt Ion: 84 Resp: 1810
Ion Ratio Lower Upper
84 100
49 72.9 89.7 134.5#
51 35.9 28.2 42.4
86 51.7 50.8 76.2

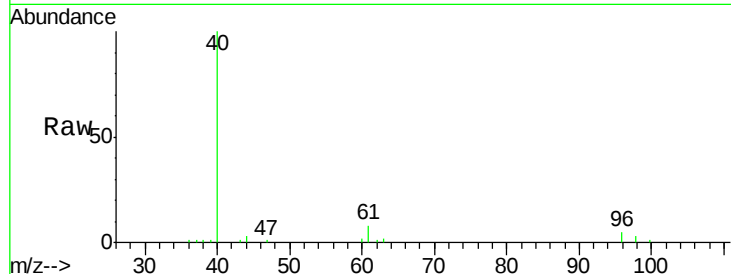




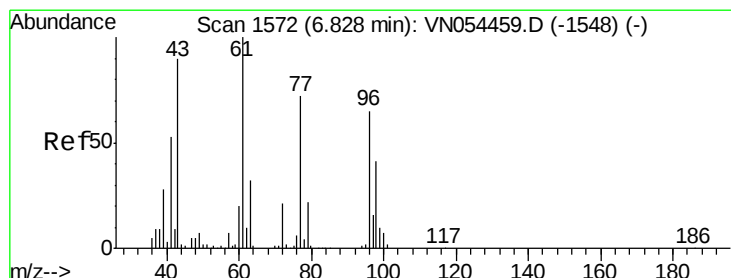
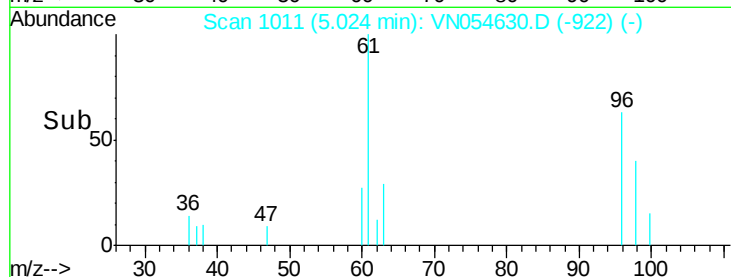
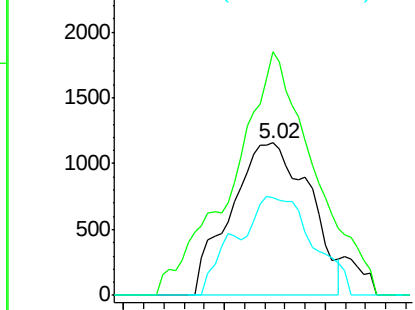
#21
trans-1,2-Dichloroethene
Concen: 0.561 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Instrument :
MSVOA_N
ClientSampleId :
WP022SB430-190319-(23-26)ME

Tot Ion: 96 Resp: 3138
Ion Ratio Lower Upper
96 100
61 125.2 102.8 154.2
98 63.8 50.0 75.0

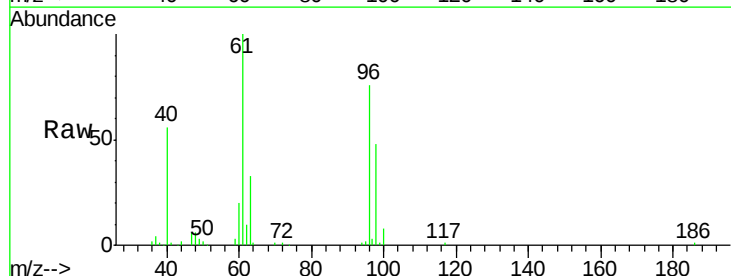


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

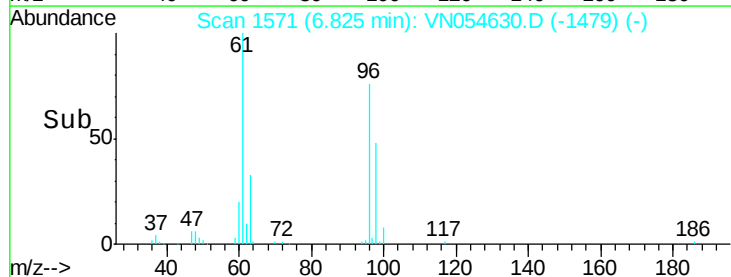
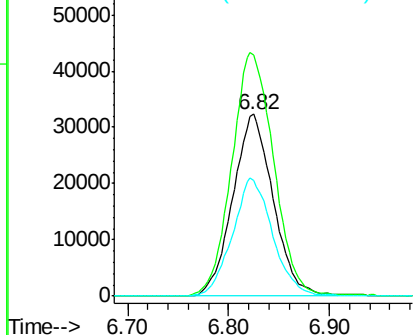


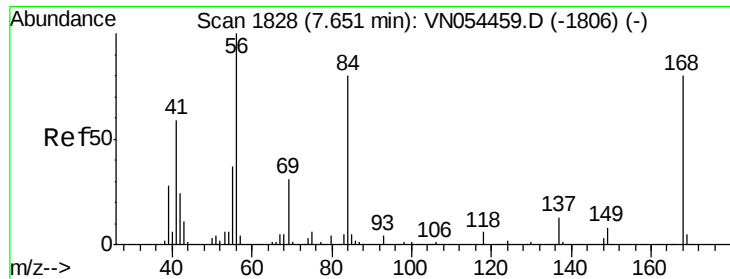
#27
cis-1,2-Dichloroethene
Concen: 13.475 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Tgt Ion: 96 Resp: 89845
Ion Ratio Lower Upper
96 100
61 139.1 0.0 273.0
98 64.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

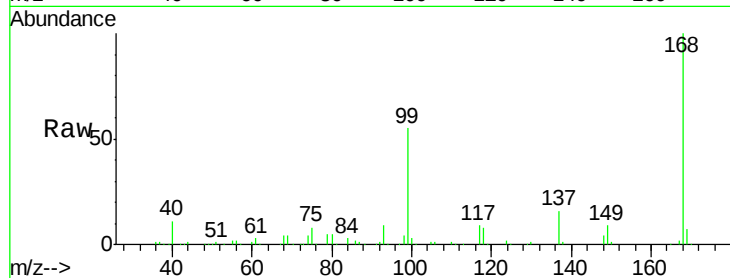




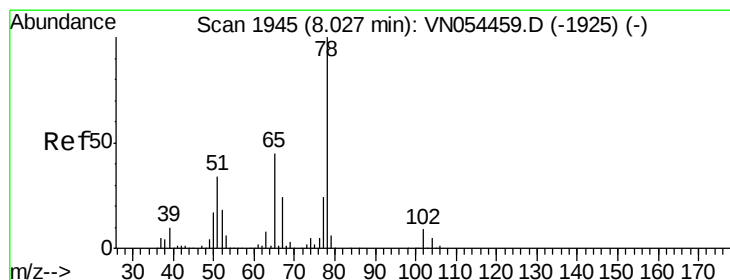
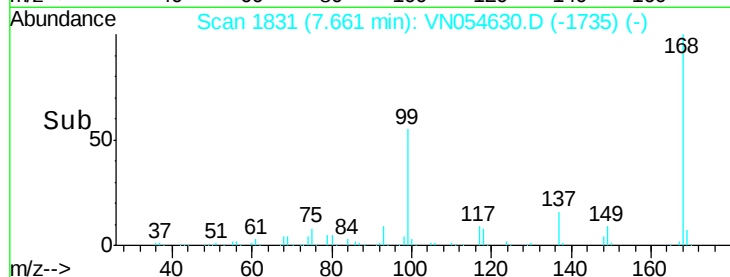
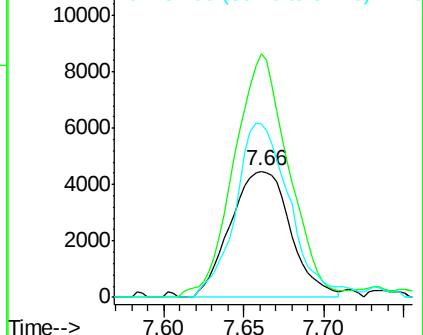
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Instrument :
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Tot Ion: 56 Resp: 11542
Ion Ratio Lower Upper
56 100
69 187.6 27.8 41.6#
84 137.9 74.6 111.8#

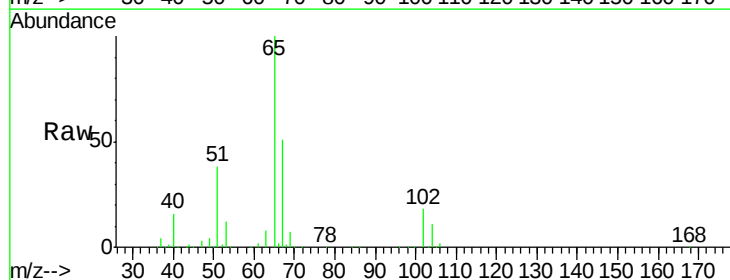


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

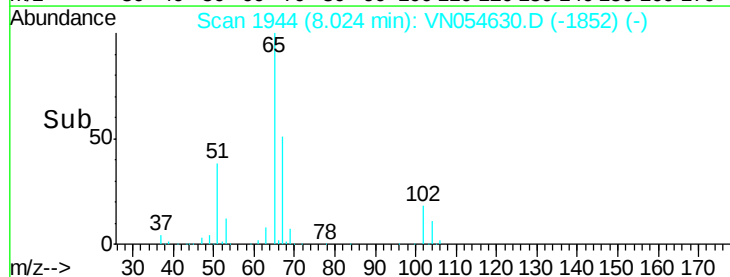
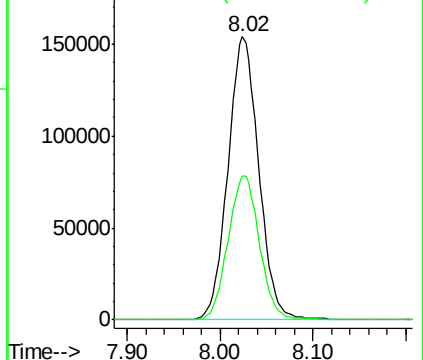


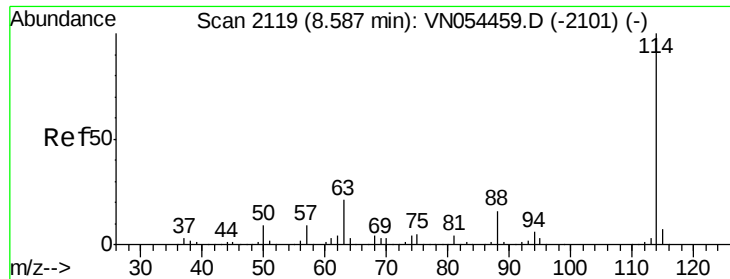
#33
1,2-Dichloroethane-d4
Concen: 50.258 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Tgt Ion: 65 Resp: 354795
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6



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

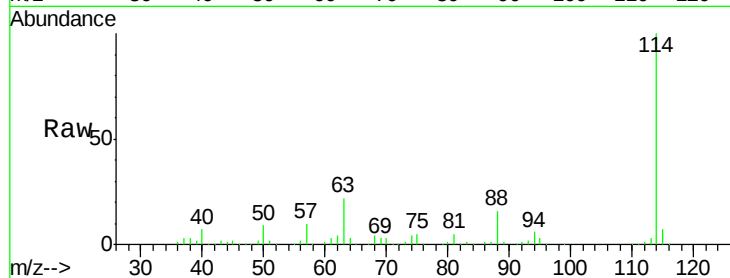




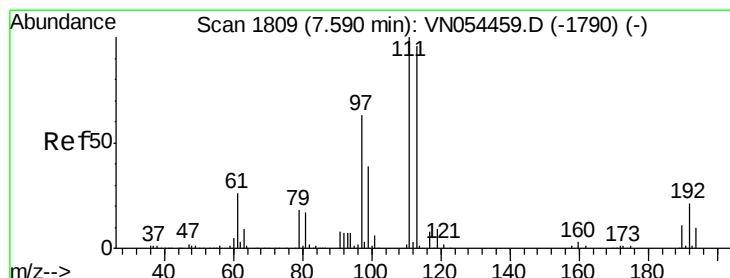
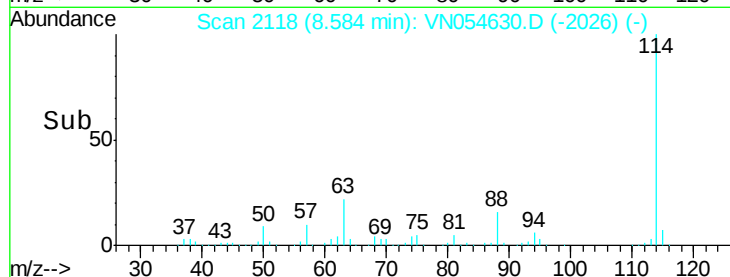
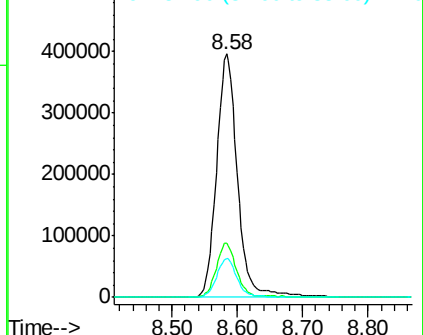
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054630.D
 Acq: 24 Mar 2019 3:53

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Tot Ion:114 Resp: 884718
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 16.1 0.0 30.2

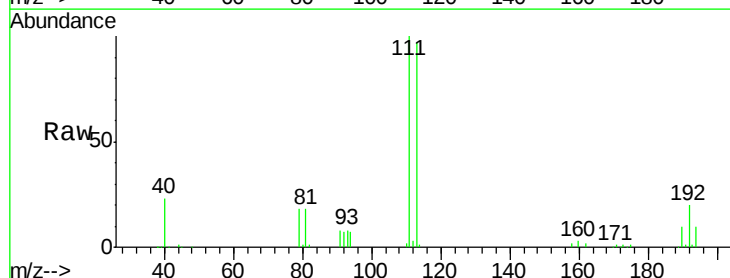


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

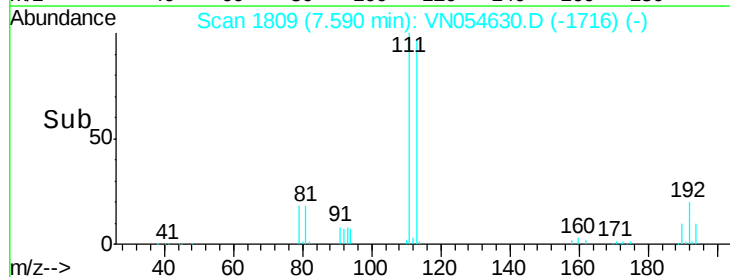
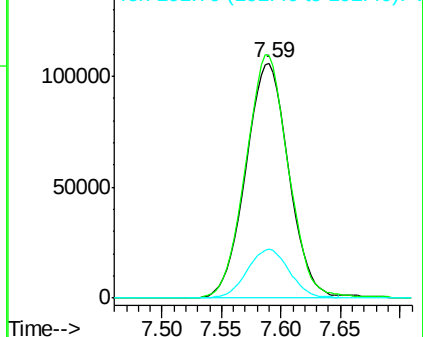


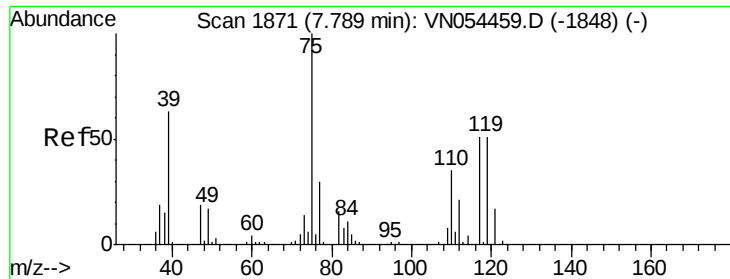
#35
 Dibromofluoromethane
 Concen: 46.412 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054630.D
 Acq: 24 Mar 2019 3:53

Tgt Ion:113 Resp: 264537
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 20.6 19.2 28.8



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

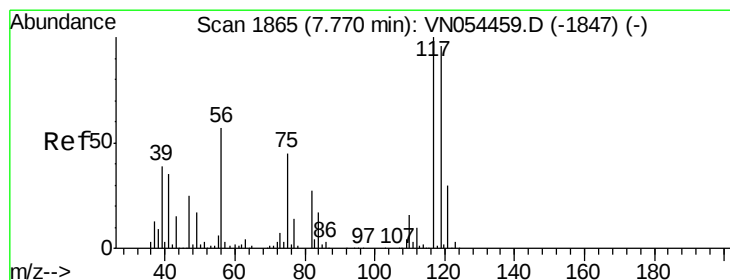
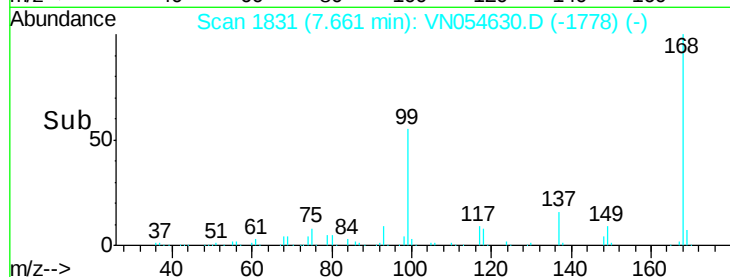
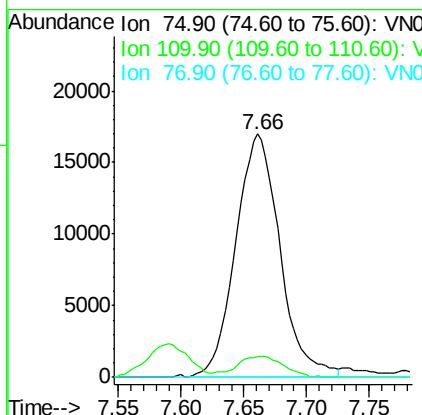
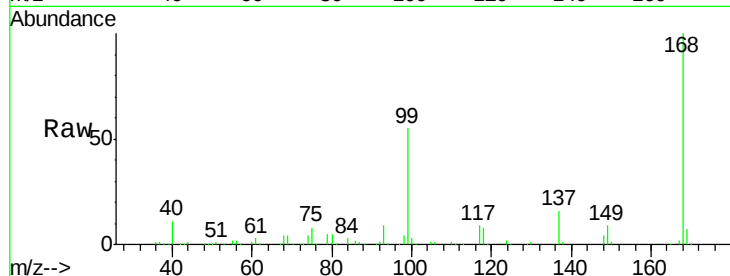




#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054630.D
 Acq: 24 Mar 2019 3:53

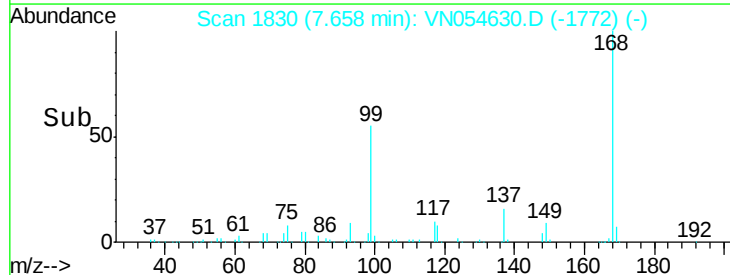
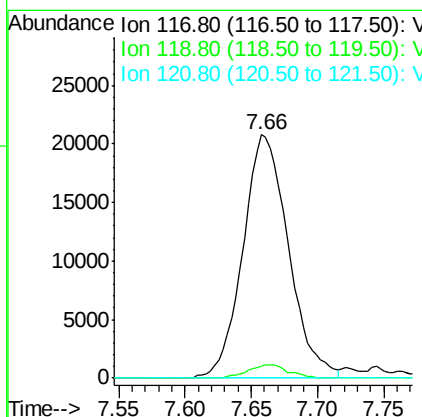
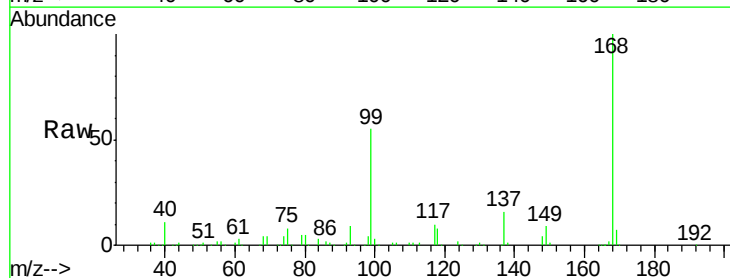
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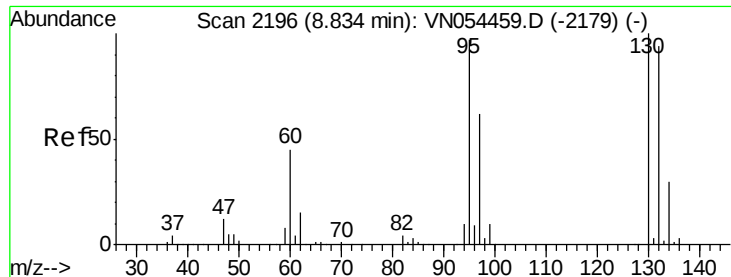
Tot Ion	75	Resp	41716
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.202 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN054630.D
 Acq: 24 Mar 2019 3:53

Tgt Ion	117	Resp	49853
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 0.208 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VN054630.D

Acq: 24 Mar 2019 3:53

Instrument :

MSVOA_N

ClientSampleId :

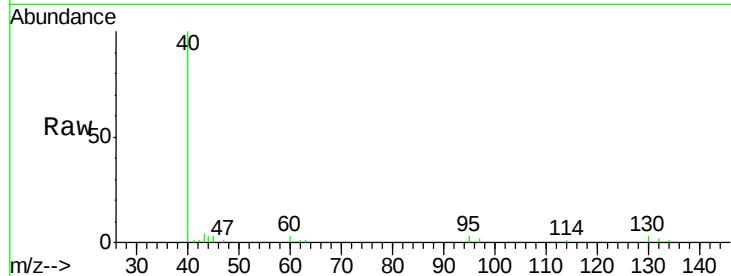
WP022SB430-190319-(23-26)ME

Tot Ion:130 Resp: 1365

Ion Ratio Lower Upper

130 100

95 108.9 0.0 185.2



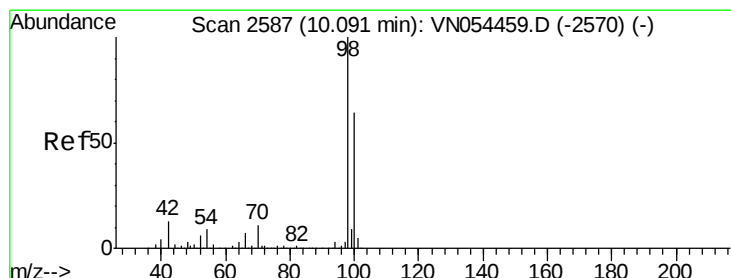
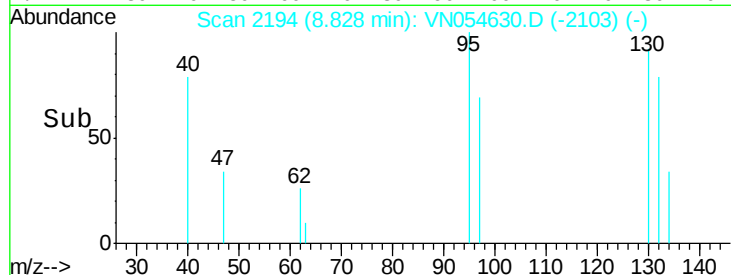
Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

8.83

8.85

Time-->



#50

Toluene-d8

Concen: 49.365 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054630.D

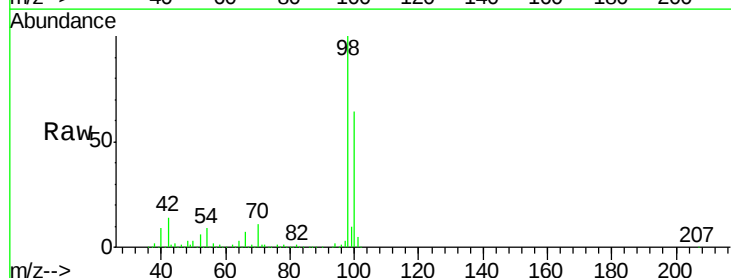
Acq: 24 Mar 2019 3:53

Tgt Ion: 98 Resp: 1057782

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



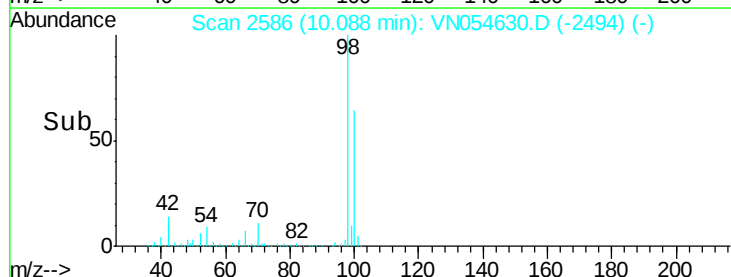
Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

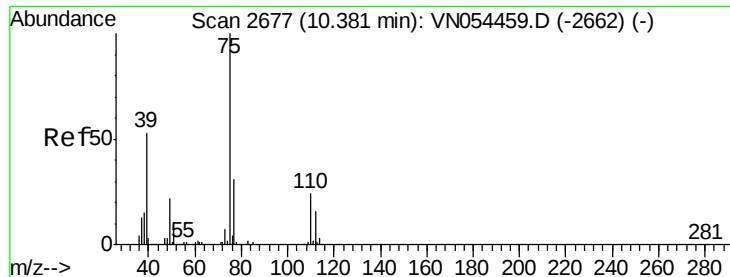
Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

10.10

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.277 ug/l

RT: 10.25 min Scan# 2636

Delta R.T. -0.13 min

Lab File: VN054630.D

Acq: 24 Mar 2019 3:53

Instrument :

MSVOA_N

ClientSampleId :

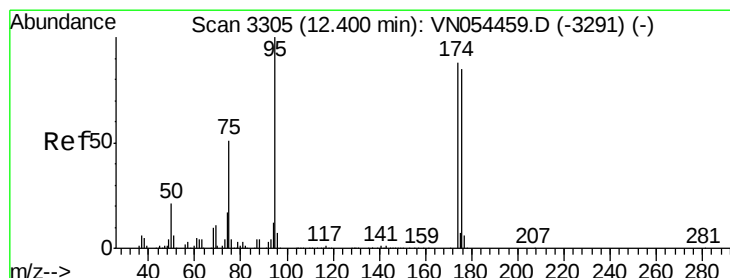
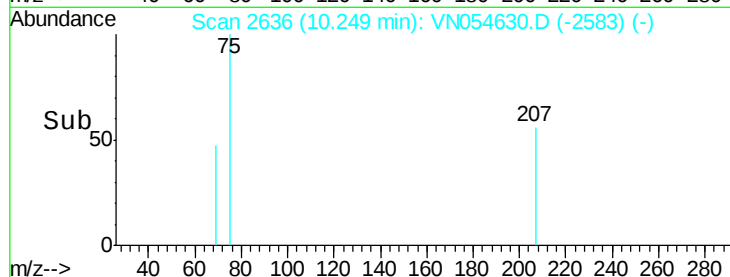
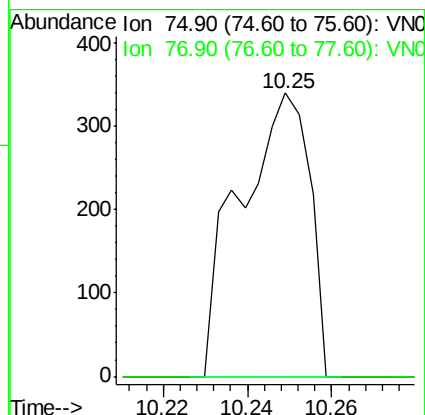
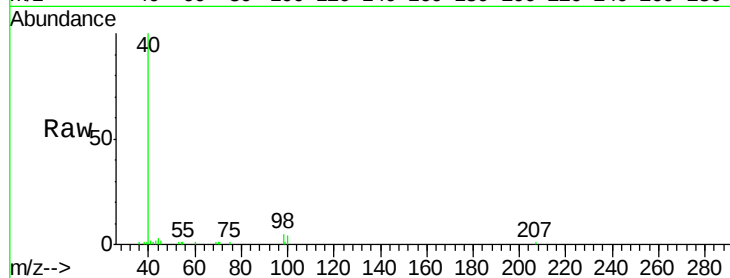
WP022SB430-190319-(23-26)ME

Tot Ion: 75 Resp: 391

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



#62

4-Bromofluorobenzene

Concen: 46.352 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054630.D

Acq: 24 Mar 2019 3:53

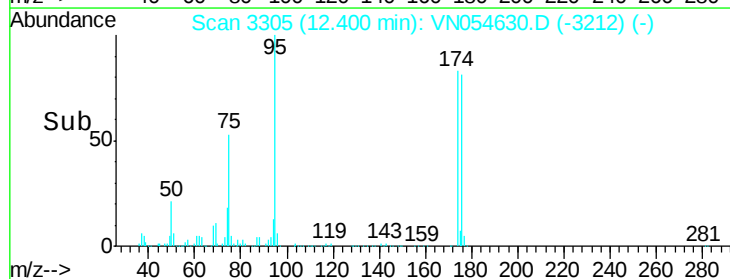
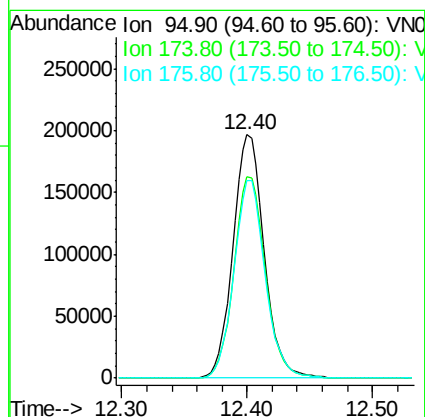
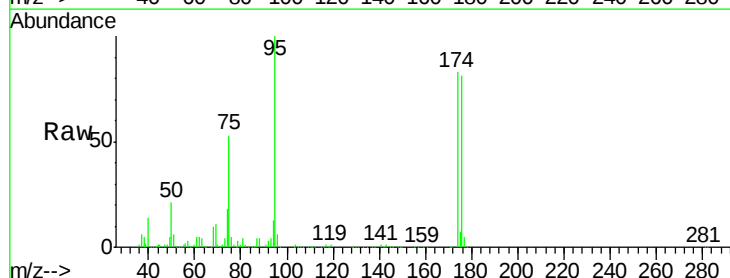
Tgt Ion: 95 Resp: 337974

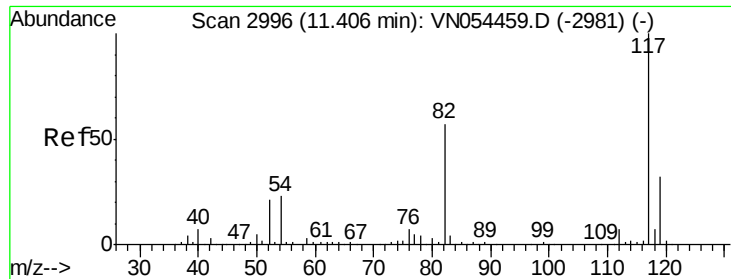
Ion Ratio Lower Upper

95 100

174 84.0 0.0 191.0

176 81.7 0.0 187.4

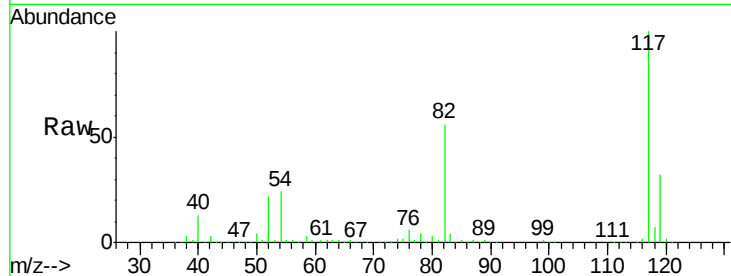




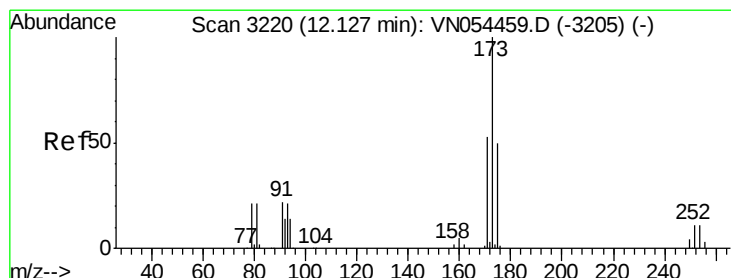
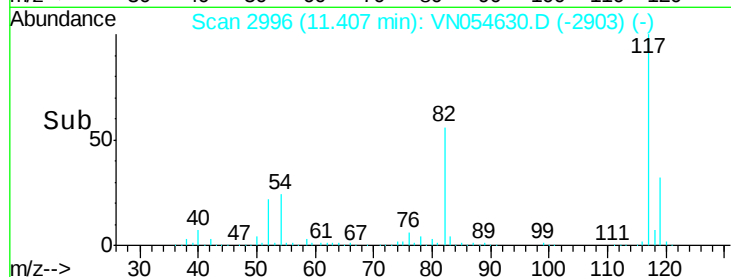
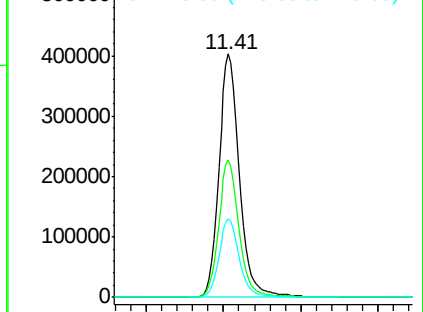
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Instrument :
MSVOA_N
ClientSampleId :
WP022SB430-190319-(23-26)ME

Tot Ion:117 Resp: 747954
Ion Ratio Lower Upper
117 100
82 56.3 40.0 60.0
119 32.1 25.8 38.6

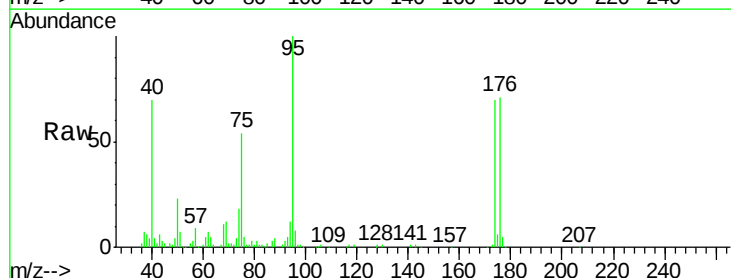


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

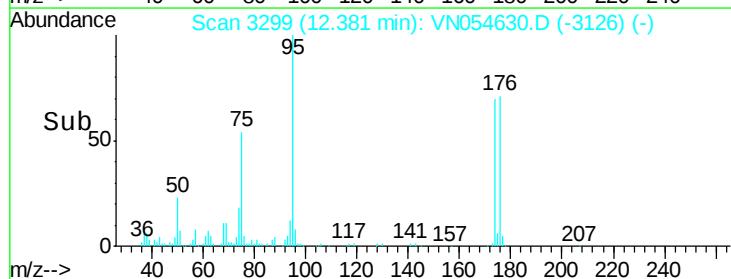
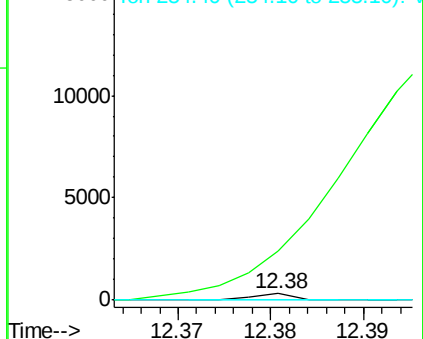


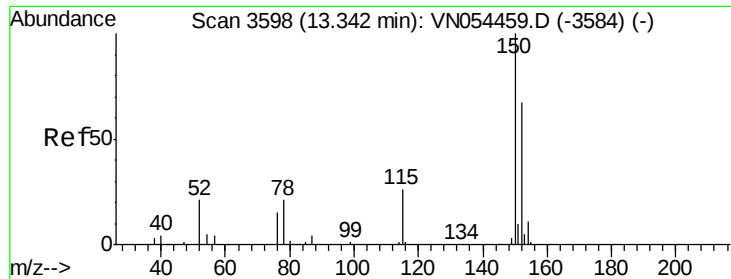
#71
Bromoform
Concen: 2.244 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN054630.D
Acq: 24 Mar 2019 3:53

Tgt Ion:173 Resp: 92
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054630.D

Acq: 24 Mar 2019 3:53

Instrument :

MSVOA_N

ClientSampleId :

WP022SB430-190319-(23-26)ME

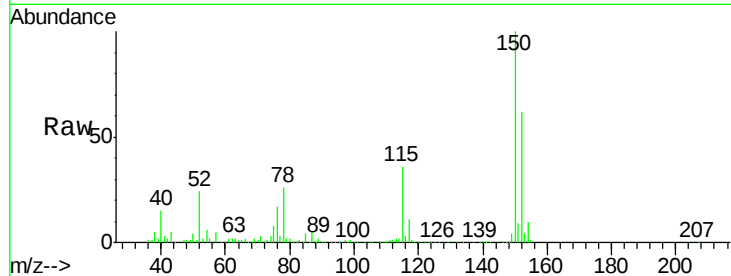
Tot Ion:152 Resp: 304691

Ion Ratio Lower Upper

152 100

115 59.0 27.2 81.6

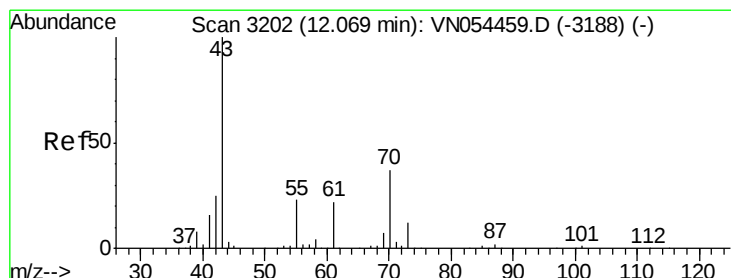
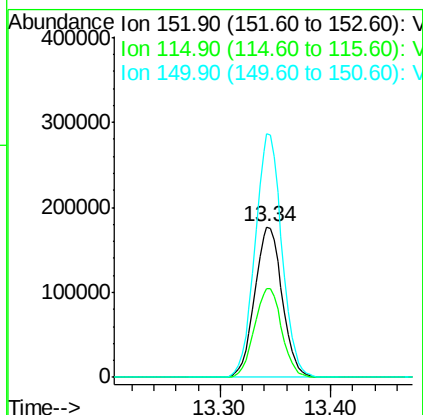
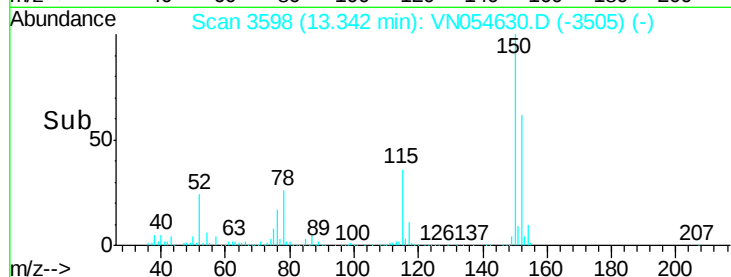
150 157.9 0.0 349.2



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



#74

N-ethyl acetate

Concen: 1.116 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN054630.D

Acq: 24 Mar 2019 3:53

Tgt Ion: 43 Resp: 7880

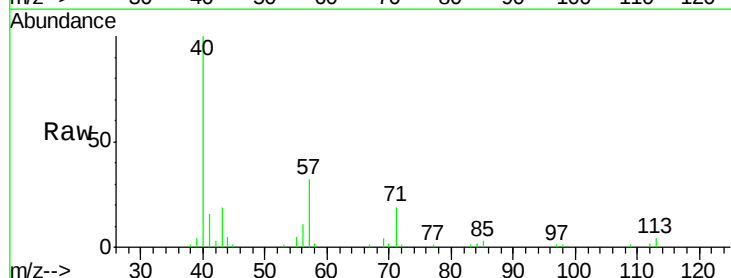
Ion Ratio Lower Upper

43 100

70 14.5 35.4 53.0#

55 29.4 19.8 29.6

61 0.0 19.8 29.6#

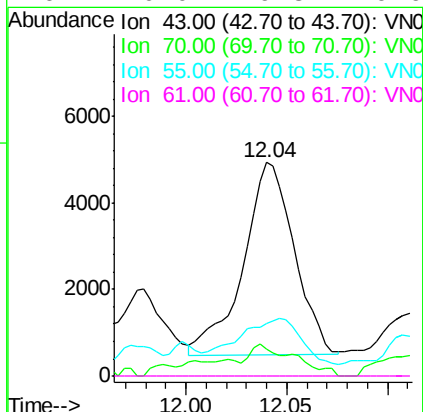
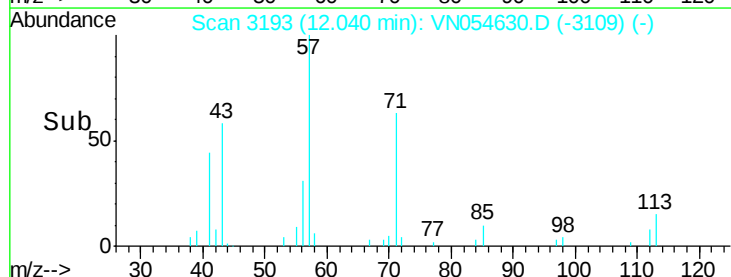


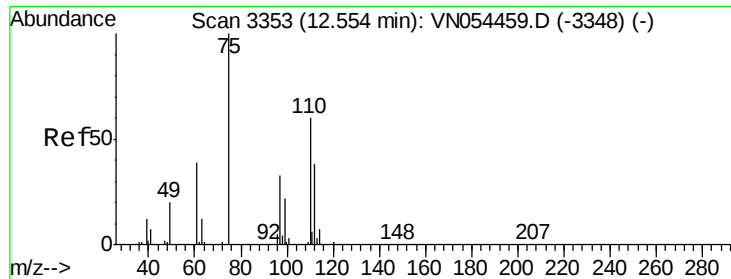
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

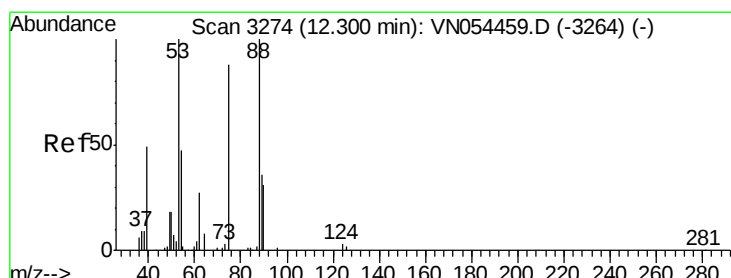
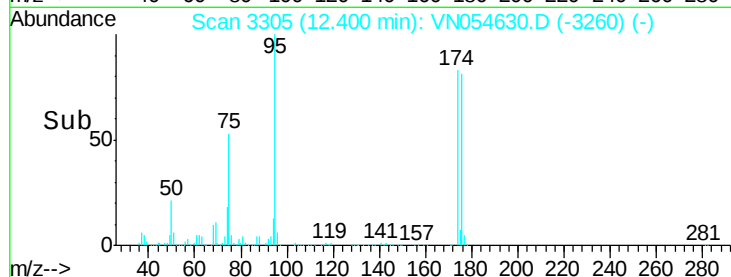
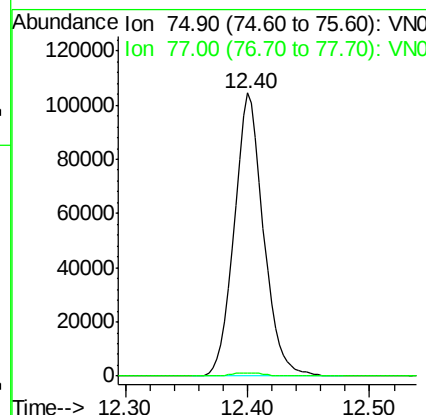
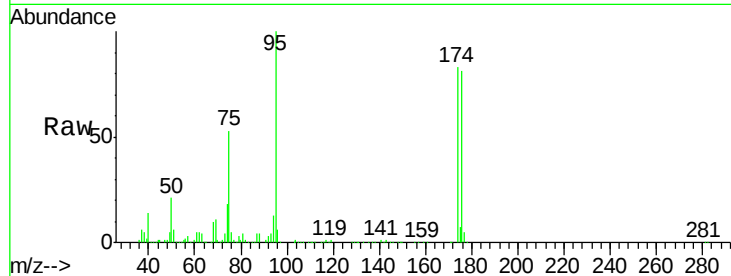




#76
 1,2,3-Trichloropropane
 Concen: 36.011 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054630.D
 Acq: 24 Mar 2019 3:53

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB430-190319-(23-26)ME

Tot Ion: 75 Resp: 174114
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.440 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054630.D
 Acq: 24 Mar 2019 3:53

Tgt Ion: 75 Resp: 174114
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.2 114.2#
 89 0.0 39.2 58.8#

