

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032319\
 Data File : VN054629.D
 Acq On : 24 Mar 2019 3:25
 Operator : JC/SP
 Sample : K2043-10
 Misc : 7.14uL/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022-SB430-190319-(20-22)

Quant Time: Mar 25 03:42:55 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	553965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	856724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	722034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	298845	50.00	ug/l	0.00

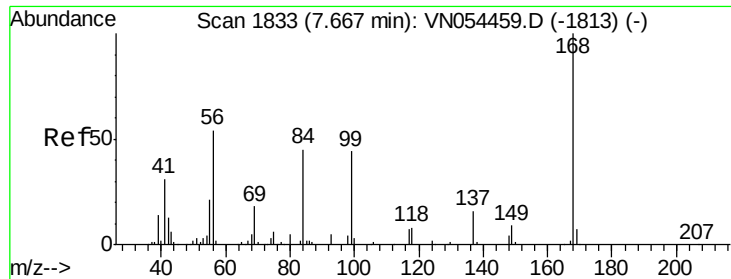
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	339171	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	257339	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
50) Toluene-d8	10.09	98	1018661	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	336064	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.74	59	16111	38.620	ug/l #	70
13) Acrolein	3.61	56	151	0.262	ug/l	87
16) Acetone	3.82	43	1047	0.505	ug/l #	38
18) Methyl Acetate	4.34	43	3183	0.689	ug/l	94
20) Methylene Chloride	4.54	84	8550	1.400	ug/l	86
25) 2-Butanone	6.86	43	787	0.297	ug/l #	46
31) Cyclohexane	7.66	56	11540	Below Cal	#	15
36) 1,1-Dichloropropene	7.66	75	39719	4.958	ug/l #	48
38) Carbon Tetrachloride	7.66	117	49960	6.418	ug/l #	16
43) Isopropyl Acetate	8.26	43	8082	0.840	ug/l #	60
53) t-1,3-Dichloropropene	10.26	75	31	2.236	ug/l #	1
65) Chlorobenzene	11.44	112	6223	0.424	ug/l	91
71) Bromoform	12.14	173	109	2.249	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	172258	36.324	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	172258	120.451	ug/l #	11
88) 1,4-Dichlorobenzene	13.36	146	2541	0.264	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	3017	0.315	ug/l	84
92) 1,2-Dibromo-3-Chloropropan	14.31	75	166	0.206	ug/l #	48

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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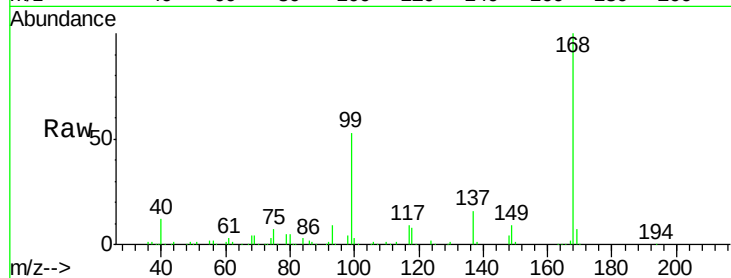
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Tot Ion:168 Resp: 553965

Ion Ratio Lower Upper

168 100

99 53.5 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

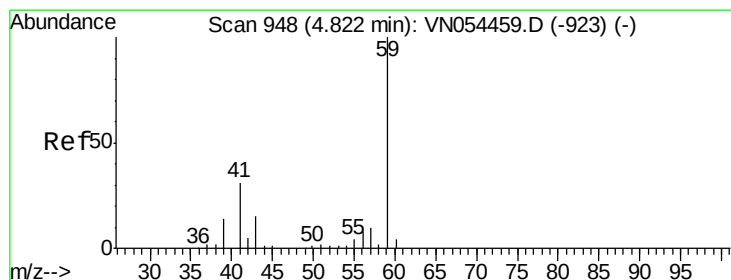
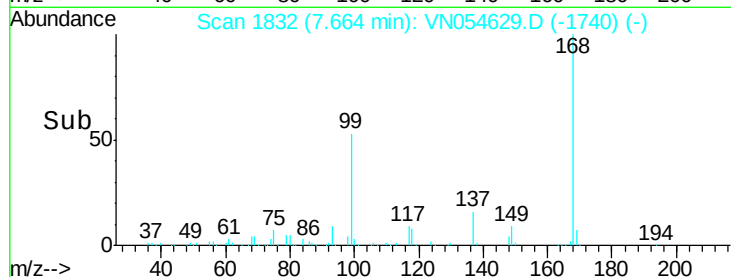
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 38.620 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.08 min

Lab File: VN054629.D

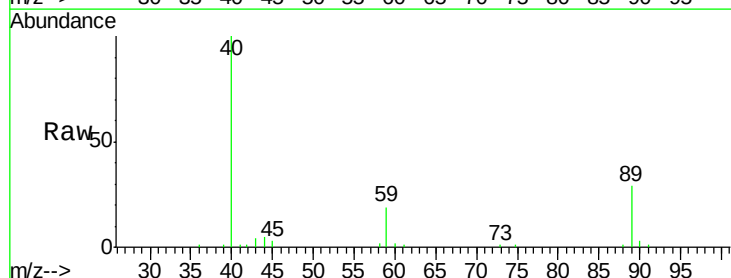
Acq: 24 Mar 2019 3:25

Tgt Ion: 59 Resp: 16111

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

5000

4000

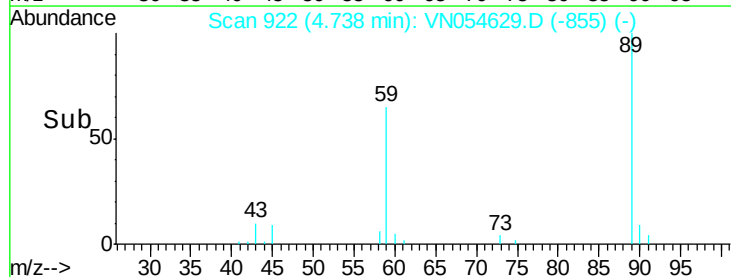
3000

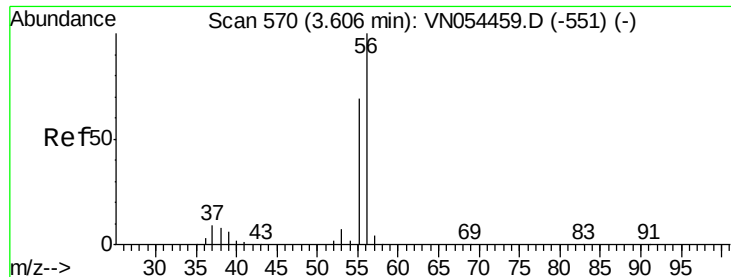
2000

1000

0

Time--> 4.60 4.70 4.80





#13

Acrolein

Concen: 0.262 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

Instrument :

MSVOA_N

ClientSampleId :

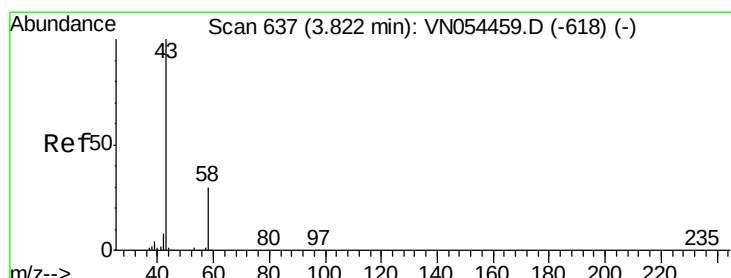
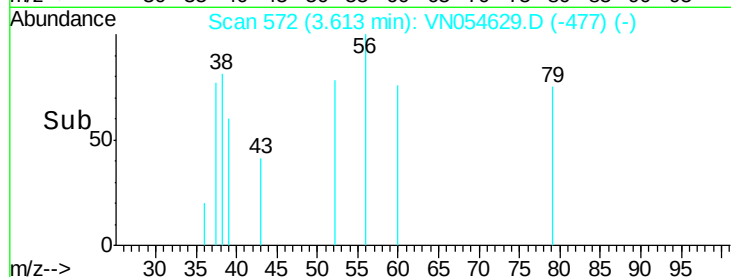
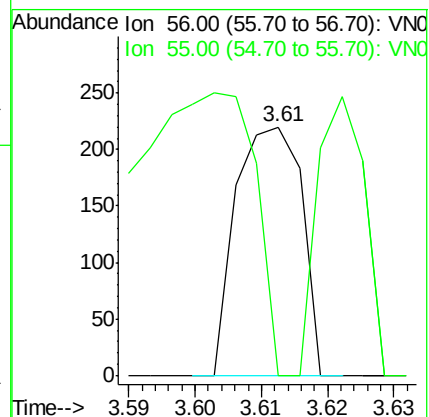
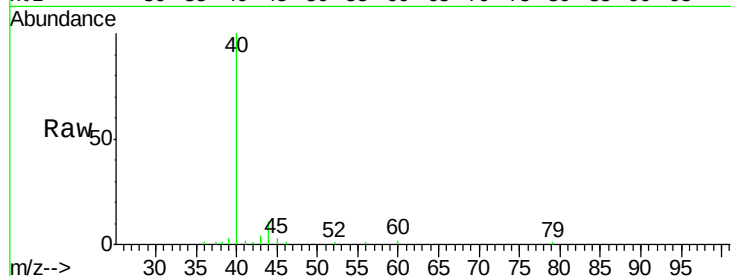
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Tot Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 81.5 56.7 85.1



#16

Acetone

Concen: 0.505 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN054629.D

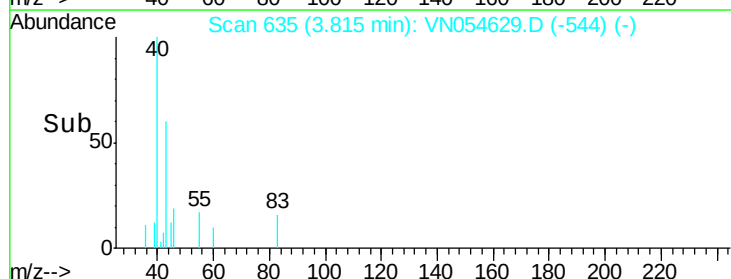
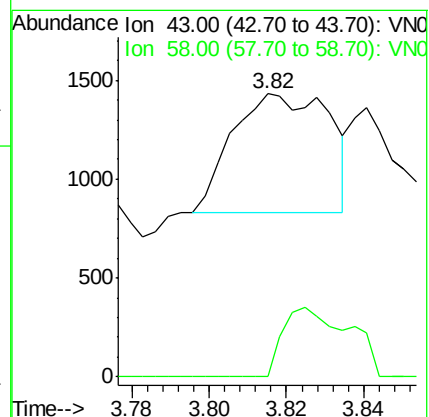
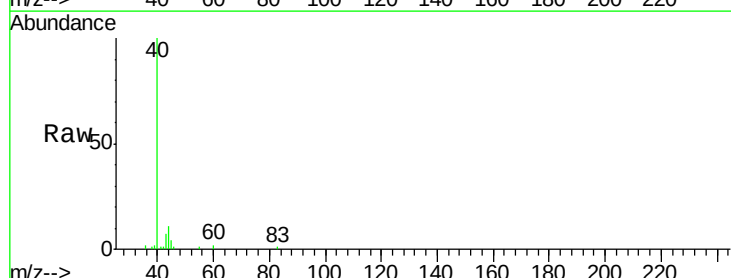
Acq: 24 Mar 2019 3:25

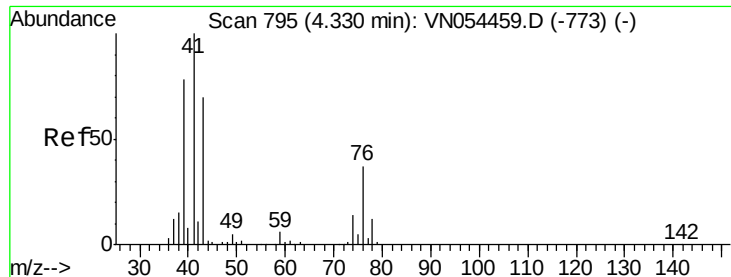
Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#

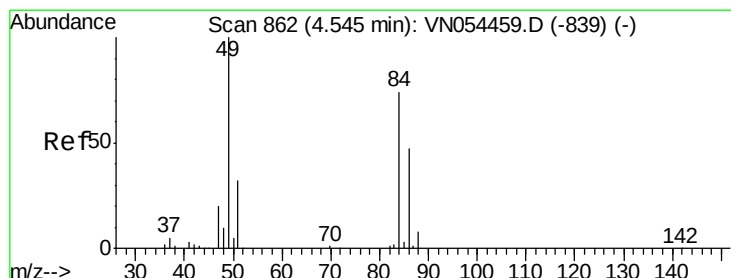
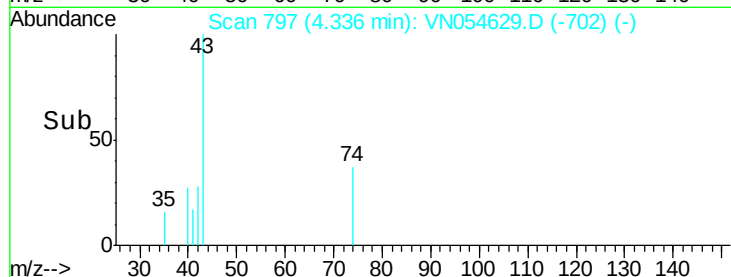
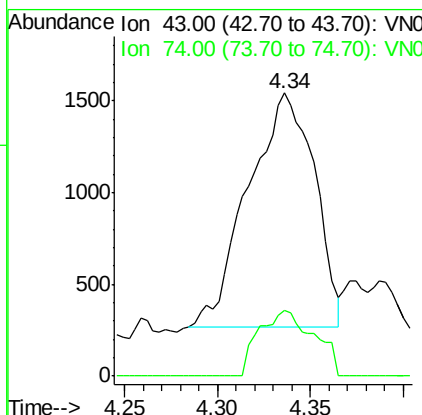
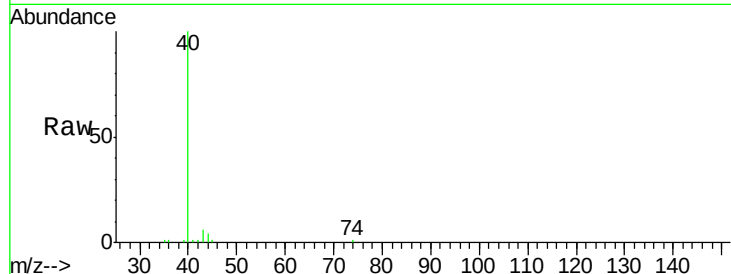




#18
Methvl Acetate
Concen: 0.689 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

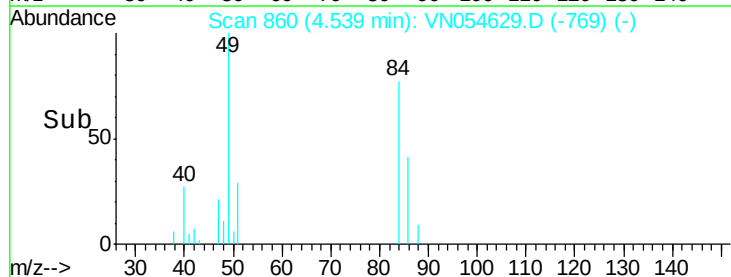
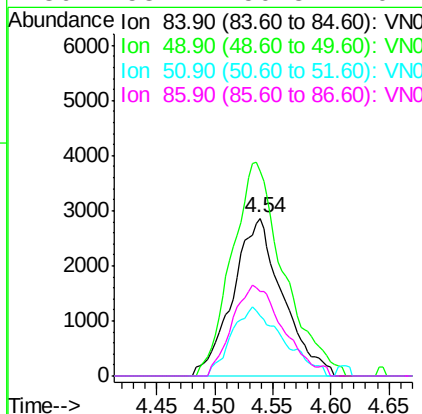
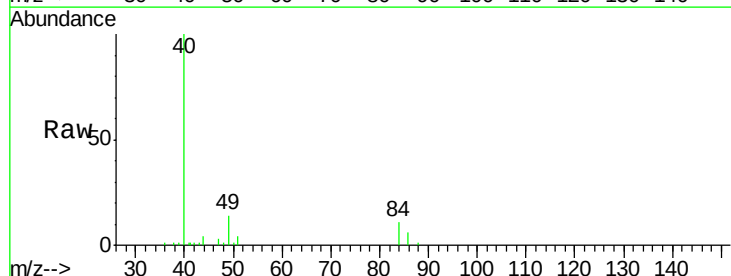
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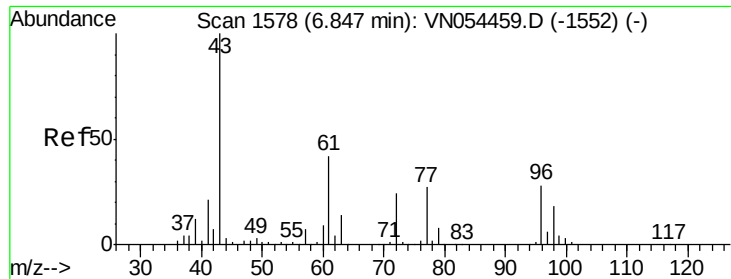
Tot Ion: 43 Resp: 3183
Ion Ratio Lower Upper
43 100
74 23.1 20.8 31.2



#20
Methylene Chloride
Concen: 1.400 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

Tgt Ion: 84 Resp: 8550
Ion Ratio Lower Upper
84 100
49 130.1 89.7 134.5
51 38.2 28.2 42.4
86 53.4 50.8 76.2





#25

2-Butanone

Concen: 0.297 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

Instrument :

MSVOA_N

ClientSampleId :

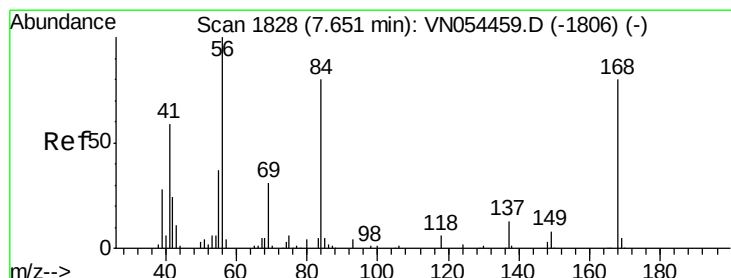
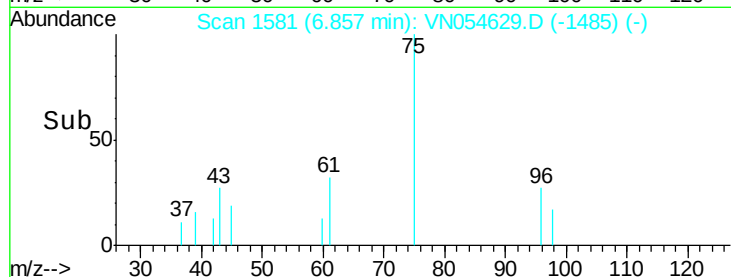
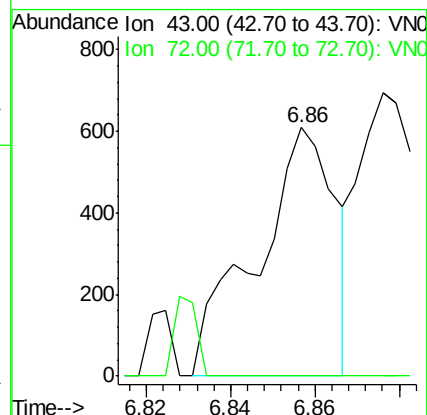
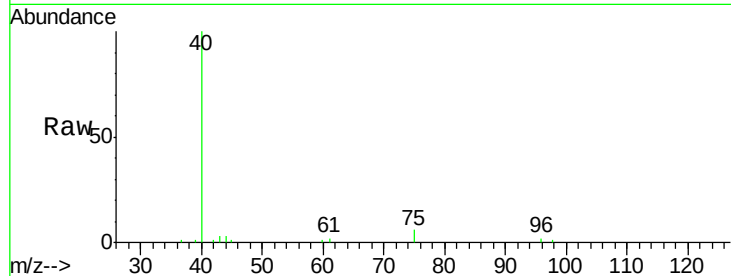
WP022-SB430-190319-(20-22)

Tot Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

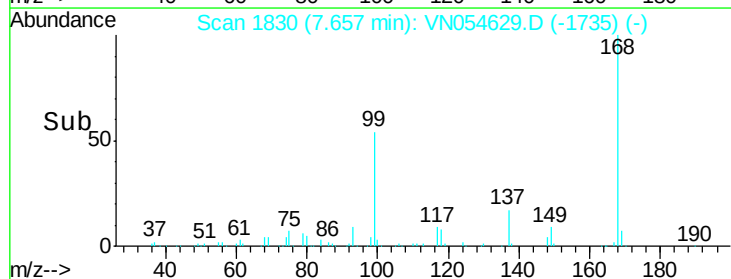
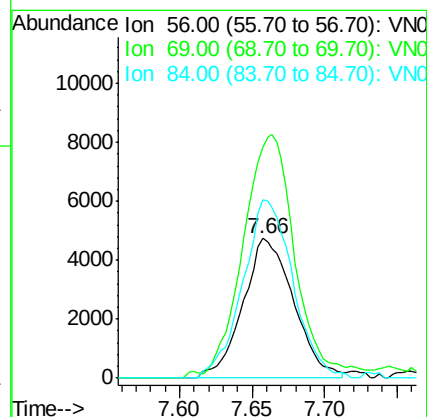
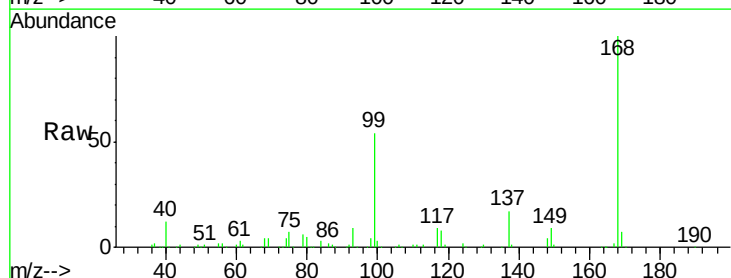
Tgt Ion: 56 Resp: 11540

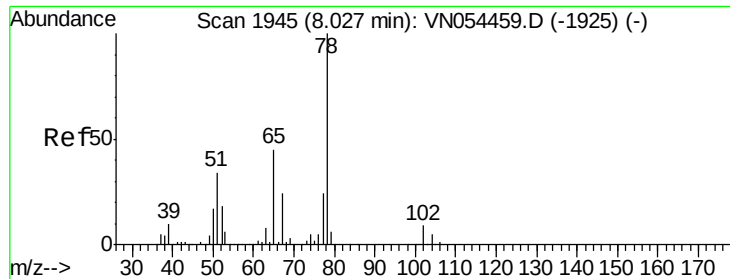
Ion Ratio Lower Upper

56 100

69 161.1 27.8 41.6#

84 127.7 74.6 111.8#

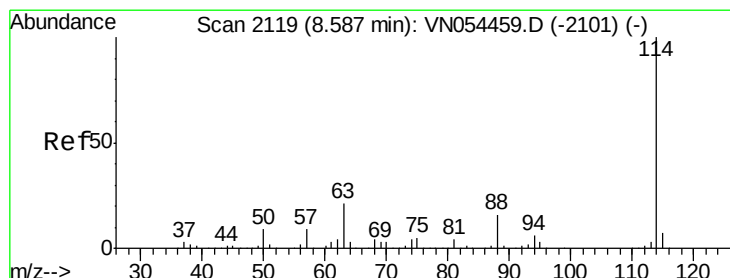
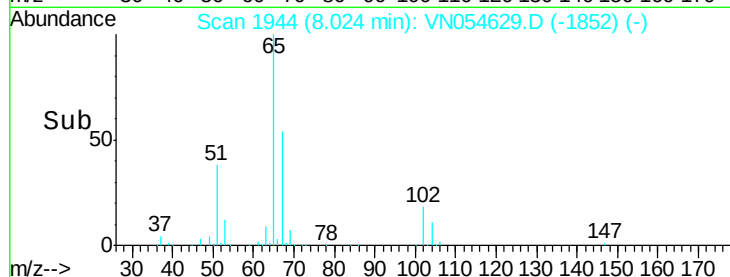
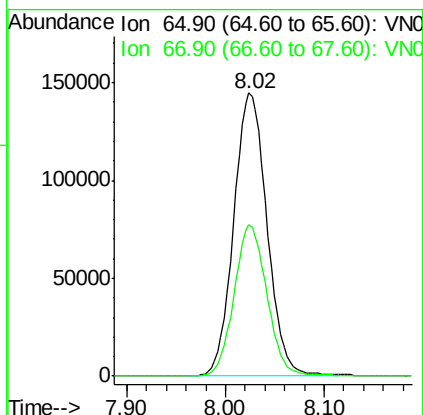
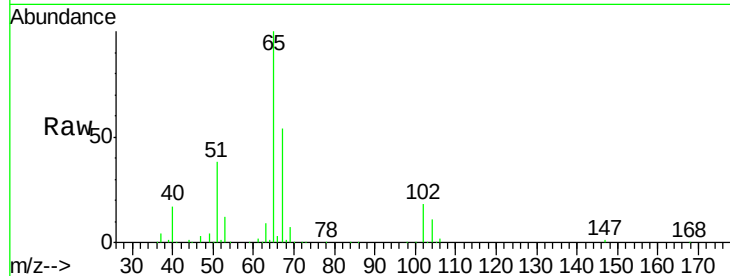




#33
 1,2-Dichloroethane-d4
 Concen: 49.223 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054629.D
 Acq: 24 Mar 2019 3:25

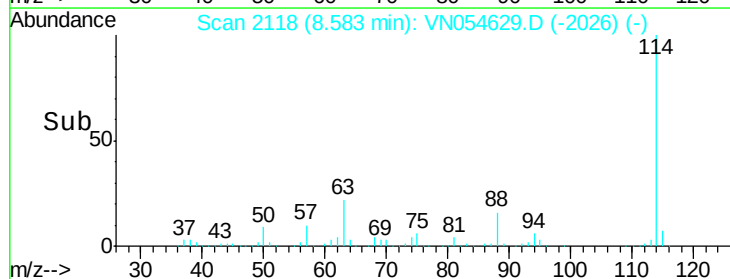
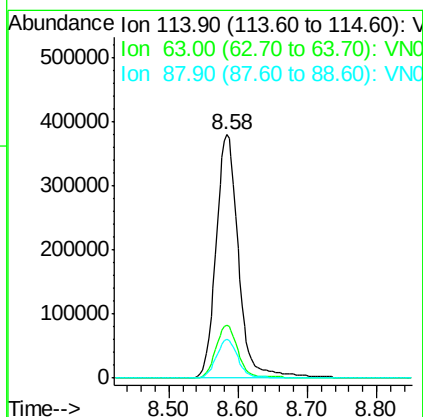
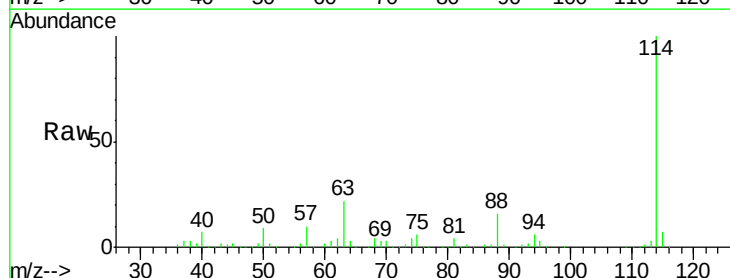
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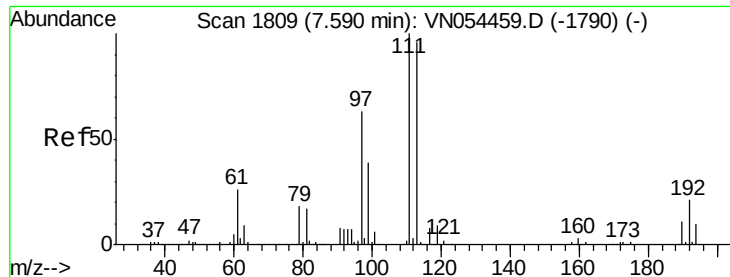
Tot Ion: 65 Resp: 339171
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054629.D
 Acq: 24 Mar 2019 3:25

Tgt Ion: 114 Resp: 856724
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.624 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

Instrument :

MSVOA_N

ClientSampleId :

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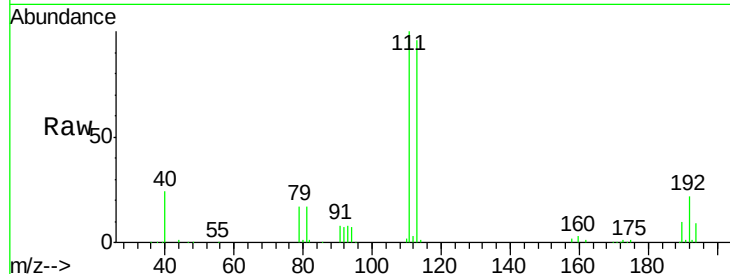
Tot Ion:113 Resp: 257339

Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.4

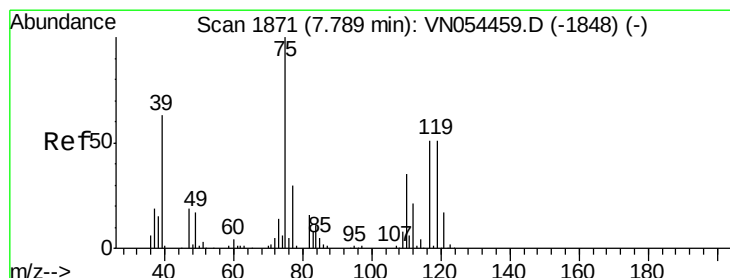
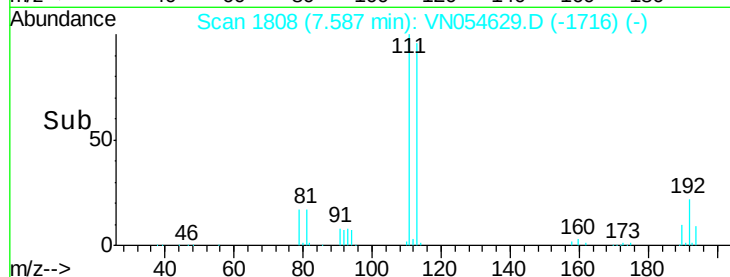
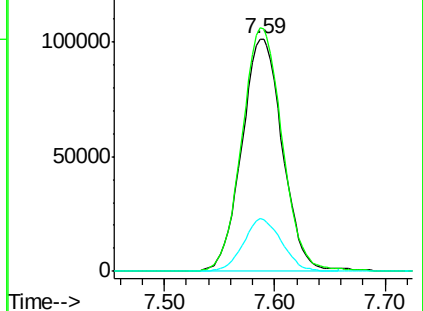
192 21.4 19.2 28.8



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: 4.958 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

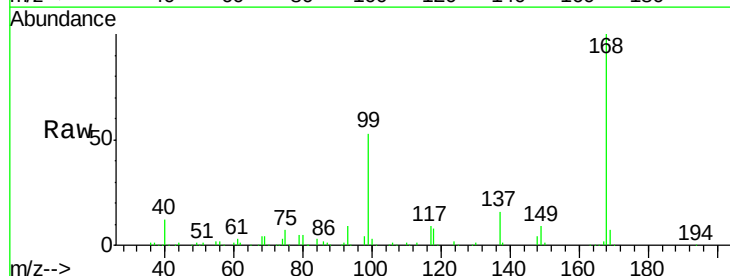
Tgt Ion: 75 Resp: 39719

Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.5#

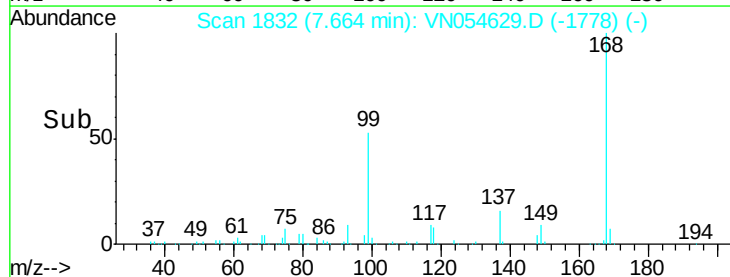
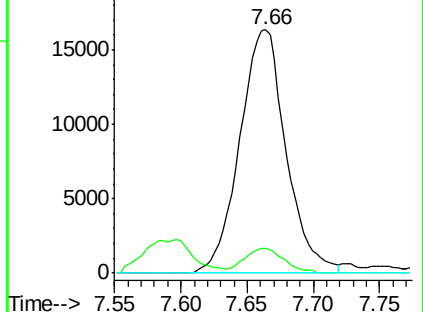
77 0.0 25.0 37.4#

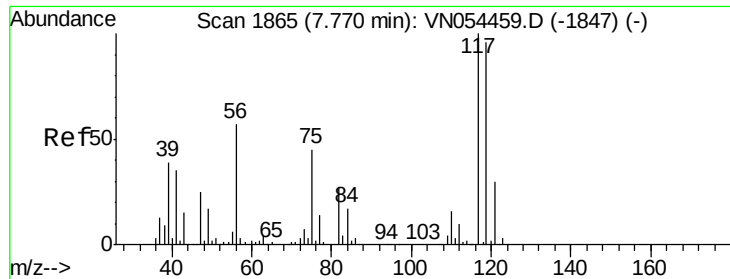


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

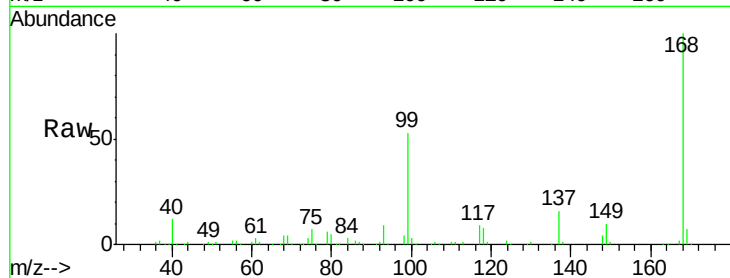




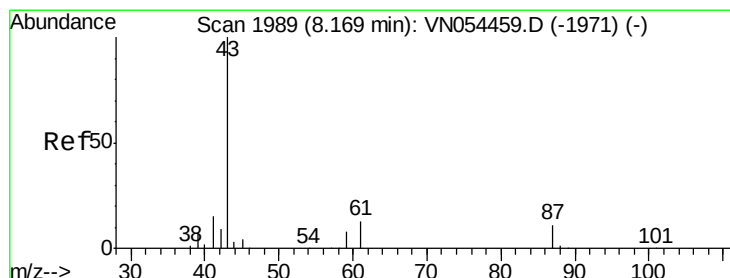
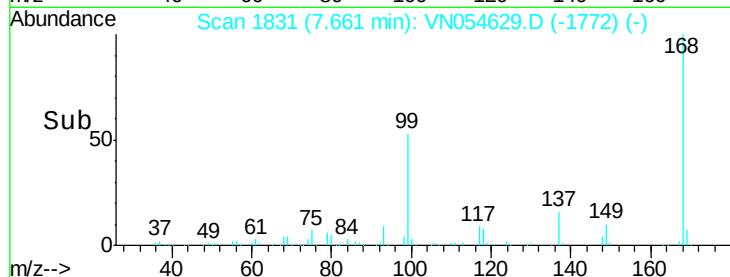
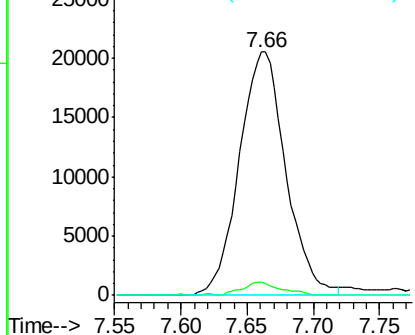
#38
Carbon Tetrachloride
Concen: 6.418 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:117 Resp: 49960
Ion Ratio Lower Upper
117 100
119 5.5 76.3 114.5#
121 0.0 24.6 36.8#

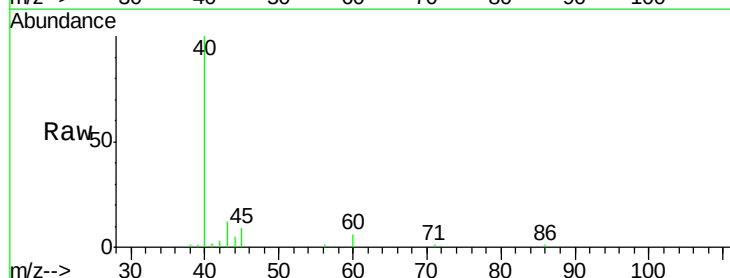


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

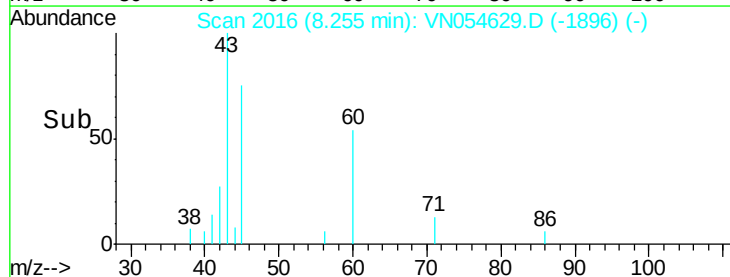
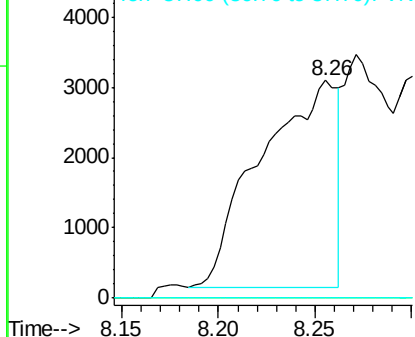


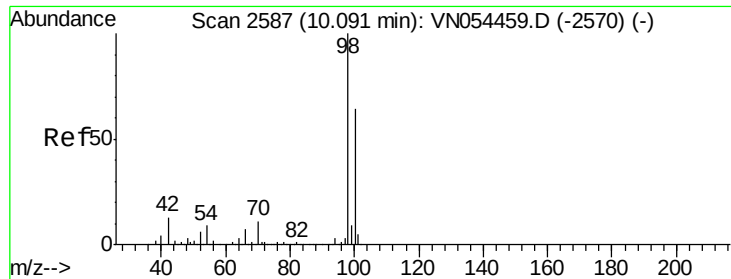
#43
Isopropyl Acetate
Concen: 0.840 ug/l
RT: 8.26 min Scan# 2016
Delta R.T. 0.09 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

Tgt Ion: 43 Resp: 8082
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

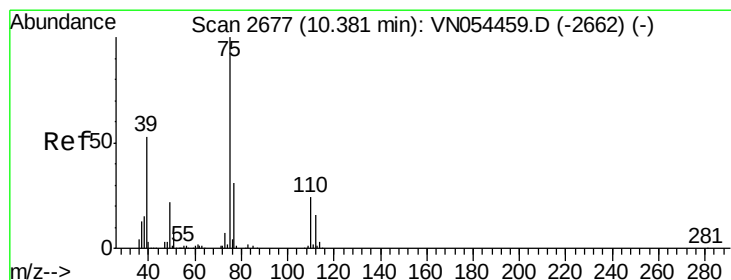
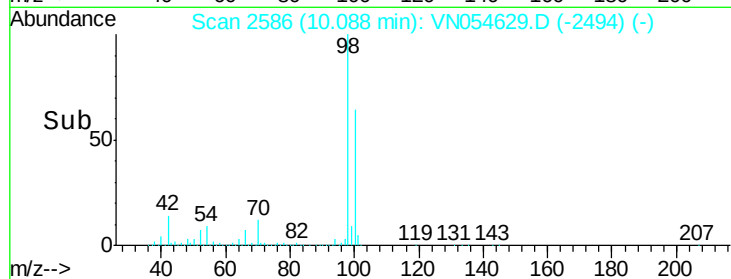
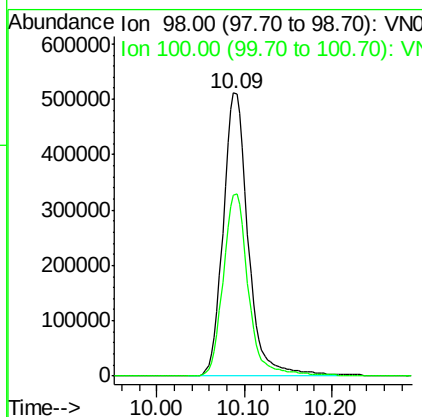
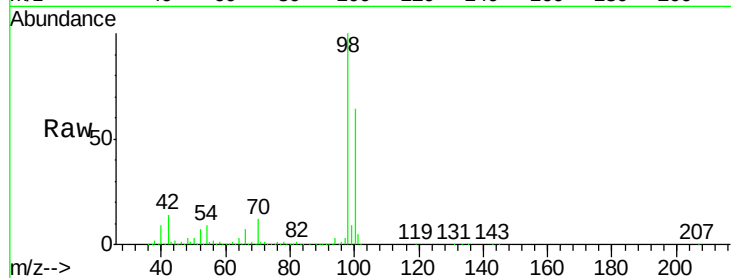




#50
Toluene-d8
Concen: 49.093 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

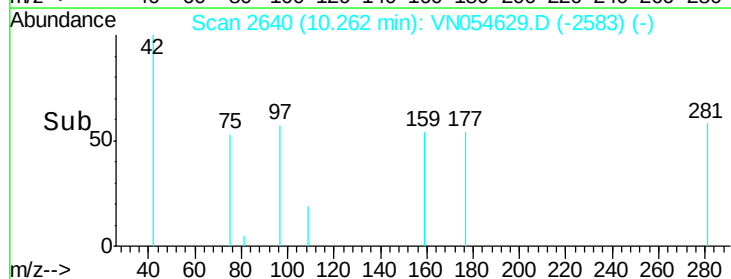
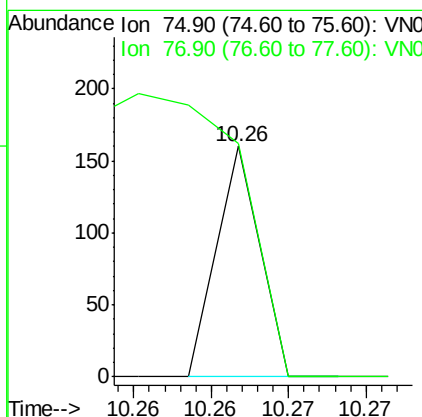
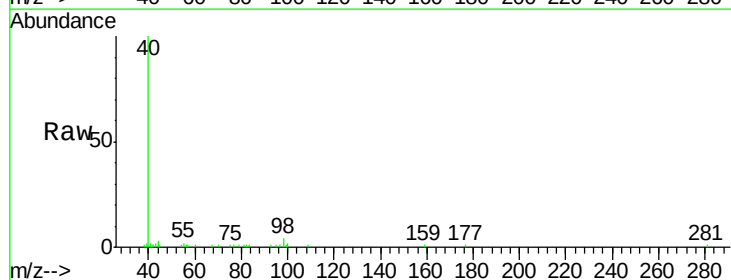
Instrument :
MSVOA_N
ClientSampleId :
WP022-SB430-190319-(20-22)

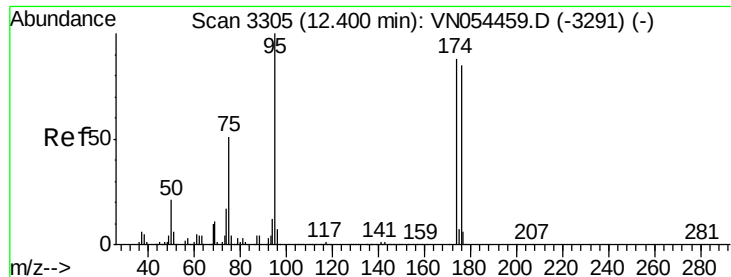
Tot Ion: 98 Resp: 1018661
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



#53
t-1,3-Dichloropropene
Concen: 2.236 ug/l
RT: 10.26 min Scan# 2640
Delta R.T. -0.12 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
77 101.3 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 47.596 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

Instrument :

MSVOA_N

ClientSampleId :

WP022-SB430-190319-(20-22)

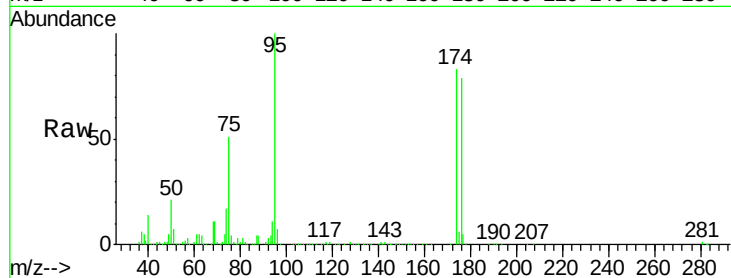
Tot Ion: 95 Resp: 336064

Ion Ratio Lower Upper

95 100

174 83.3 0.0 191.0

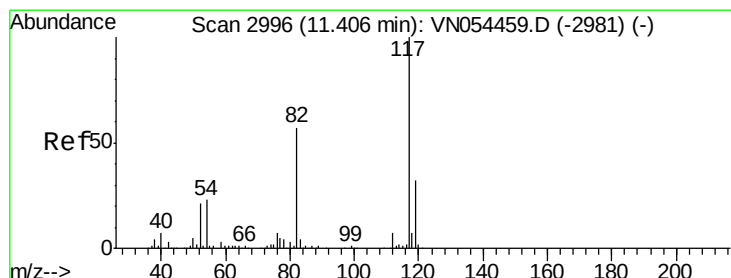
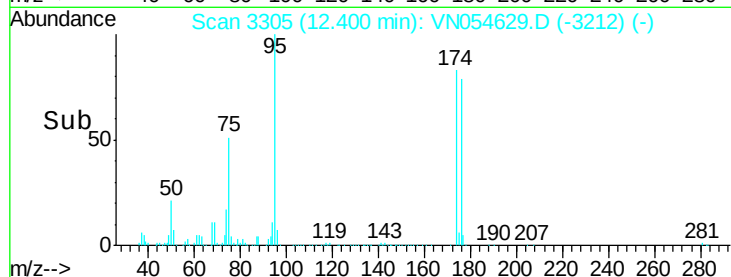
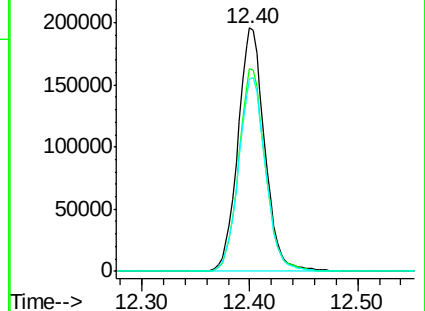
176 81.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

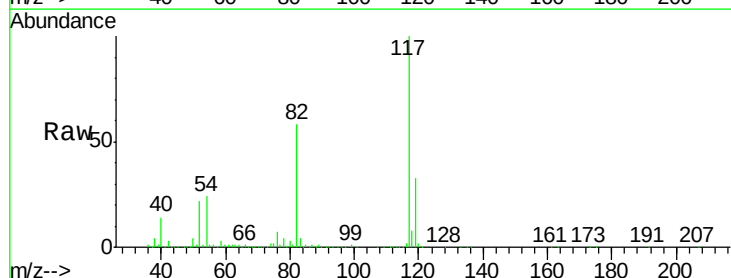
Tgt Ion: 117 Resp: 722034

Ion Ratio Lower Upper

117 100

82 58.2 40.0 60.0

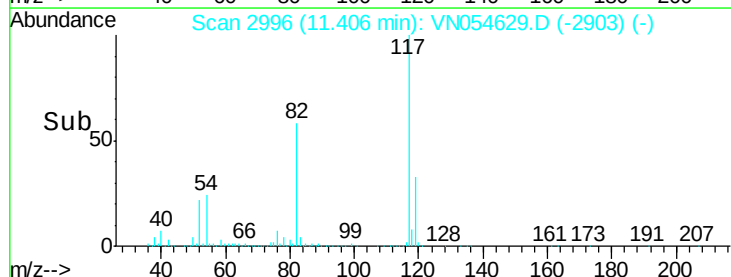
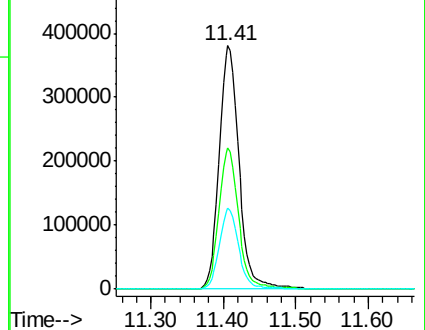
119 33.2 25.8 38.6

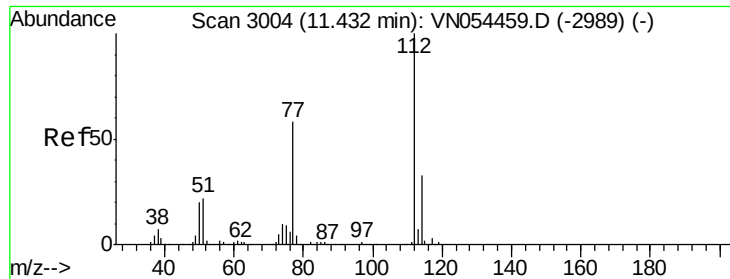


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

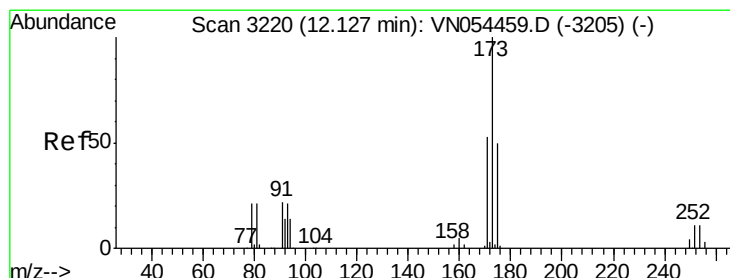
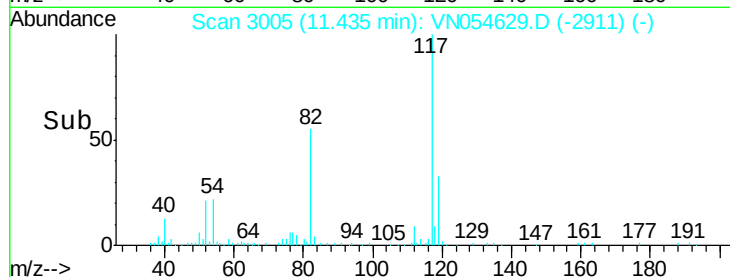
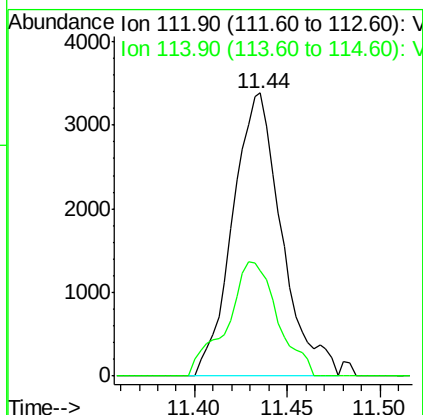
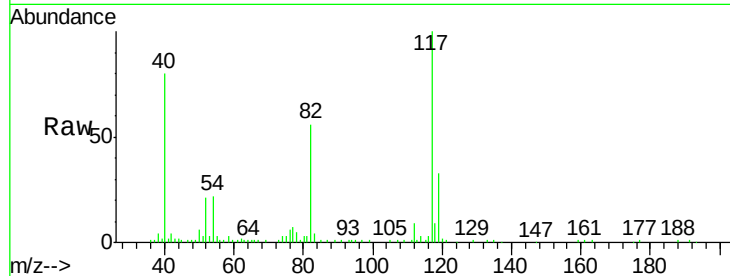




#65
Chlorobenzene
Concen: 0.424 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

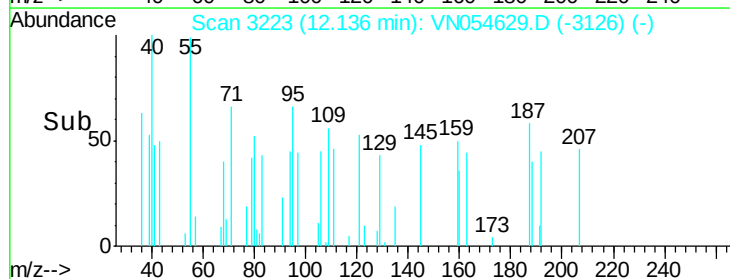
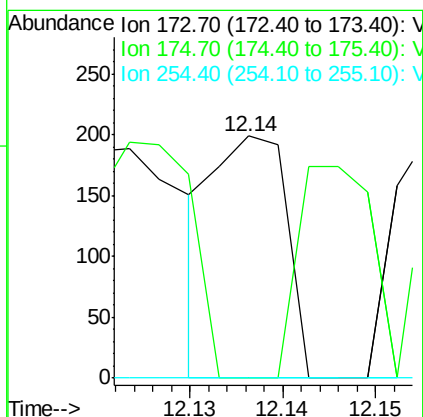
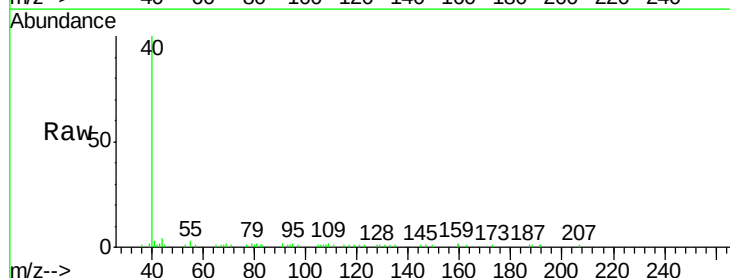
Instrument :
MSVOA_N
ClientSampleId :
WP022-SB430-190319-(20-22)

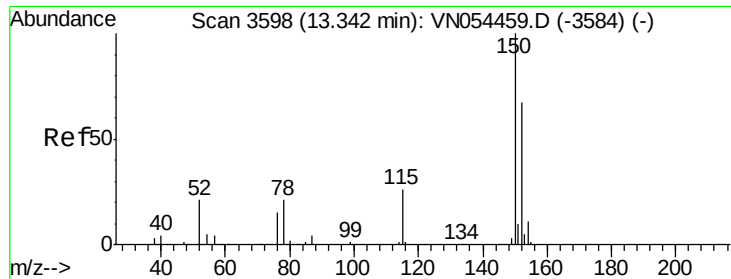
Tot Ion:112 Resp: 6223
Ion Ratio Lower Upper
112 100
114 37.2 25.9 38.9



#71
Bromoform
Concen: 2.249 ug/l
RT: 12.14 min Scan# 3223
Delta R.T. 0.01 min
Lab File: VN054629.D
Acq: 24 Mar 2019 3:25

Tgt Ion:173 Resp: 109
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

Instrument :

MSVOA_N

ClientSampleId :

WP022-SB430-190319-(20-22)

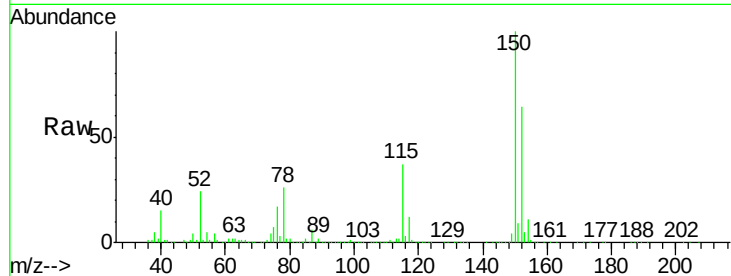
Tot Ion:152 Resp: 298845

Ion Ratio Lower Upper

152 100

115 58.3 27.2 81.6

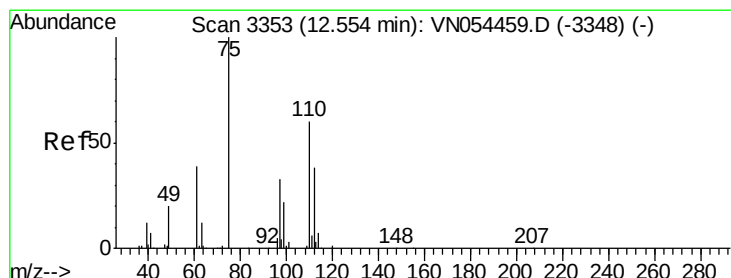
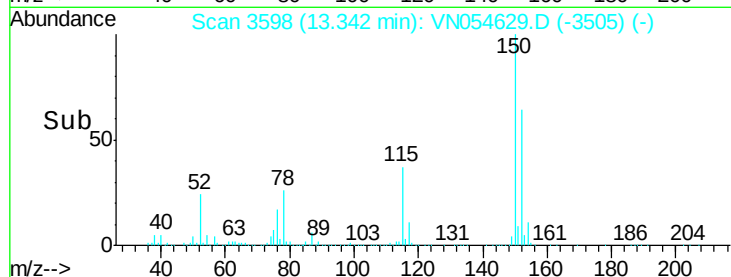
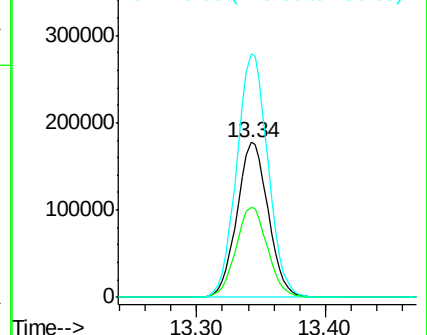
150 157.7 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 36.324 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054629.D

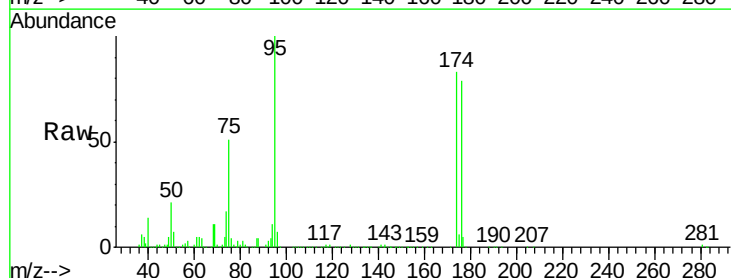
Acq: 24 Mar 2019 3:25

Tgt Ion: 75 Resp: 172258

Ion Ratio Lower Upper

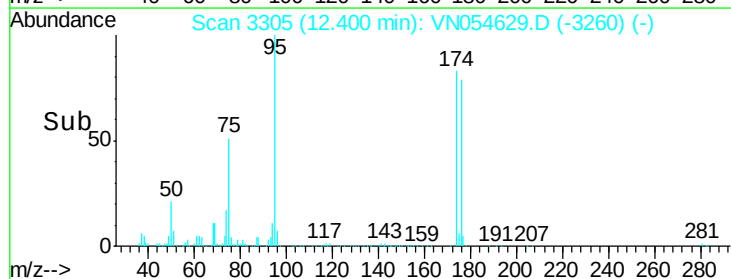
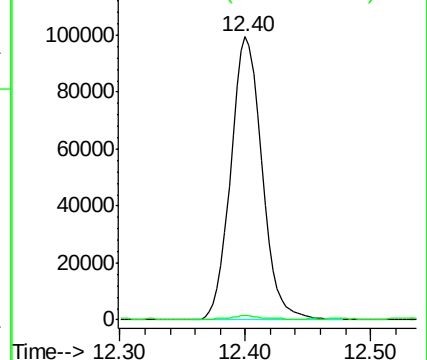
75 100

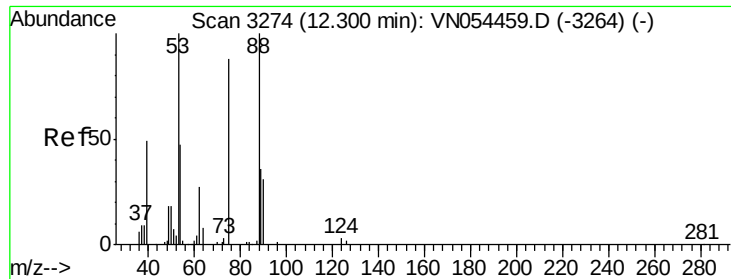
77 1.3 0.0 0.0#



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: 120.451 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

Instrument :

MSVOA_N

ClientSampleId :

WP022-SB430-190319-(20-22)

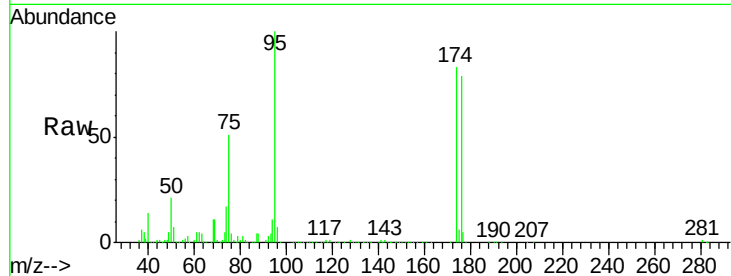
Tot Ion: 75 Resp: 172258

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

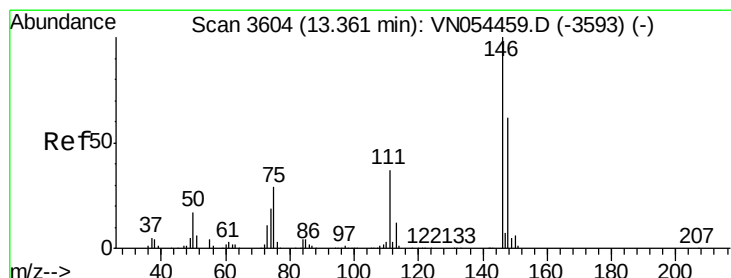
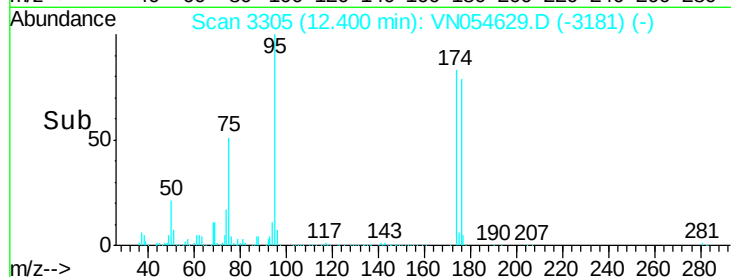
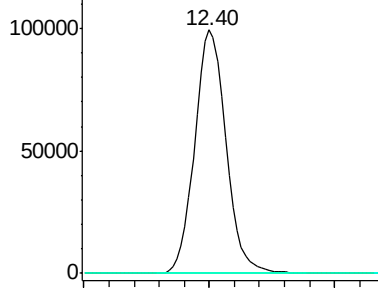
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN054459.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN054459.D (-3264) (-)



#88

1,4-Dichlorobenzene

Concen: 0.264 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054629.D

Acq: 24 Mar 2019 3:25

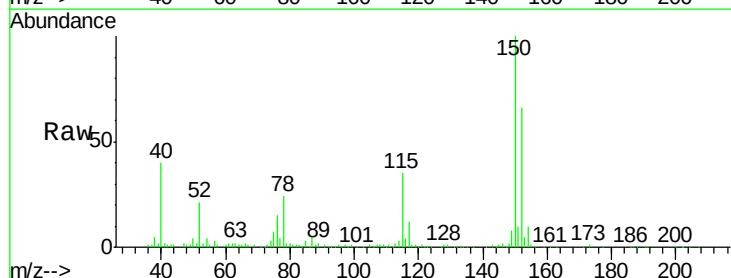
Tgt Ion: 146 Resp: 2541

Ion Ratio Lower Upper

146 100

111 199.6 18.1 54.1#

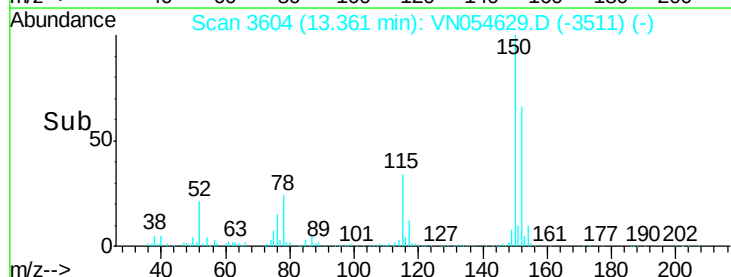
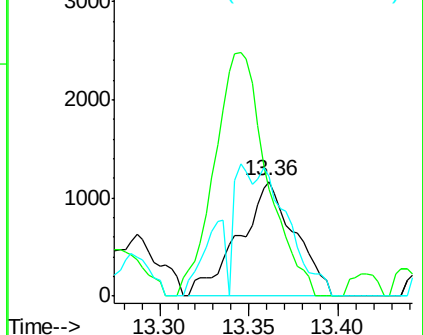
148 37.5 32.0 96.0

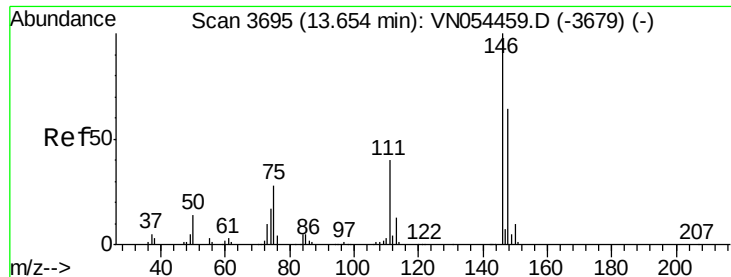


Abundance Ion 145.90 (145.60 to 146.60): VN054459.D (-3593) (-)

Ion 110.90 (110.60 to 111.60): VN054459.D (-3593) (-)

Ion 147.90 (147.60 to 148.60): VN054459.D (-3593) (-)

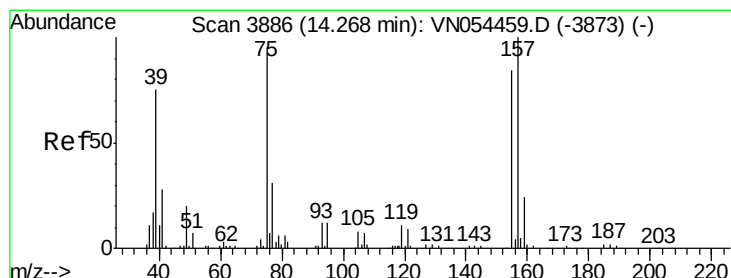
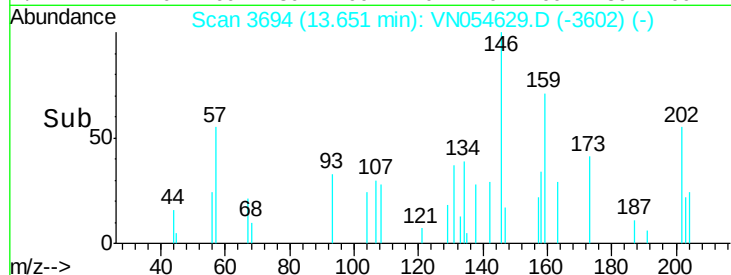
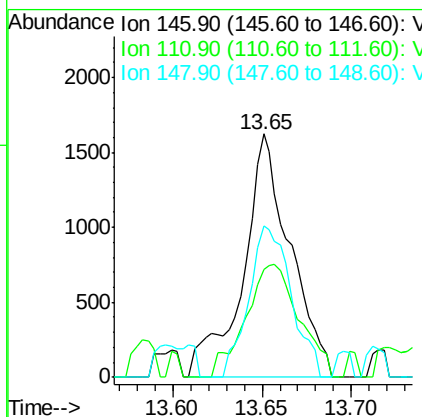
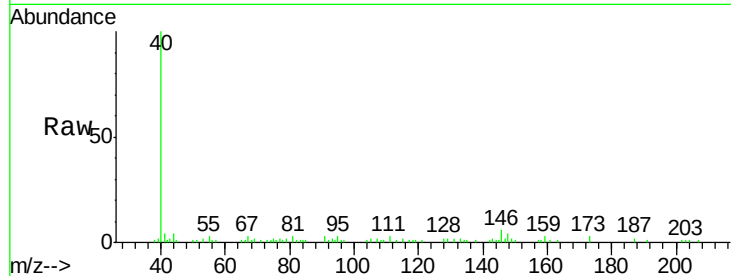




#91
 1,2-Dichlorobenzene
 Concen: 0.315 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054629.D
 Acq: 24 Mar 2019 3:25

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022-SB430-190319-(20-22)

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.3	19.1	57.3
148	55.7	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.206 ug/l
 RT: 14.31 min Scan# 3899
 Delta R.T. 0.04 min
 Lab File: VN054629.D
 Acq: 24 Mar 2019 3:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	50.1	150.3#
157	110.2	63.1	189.3

