

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054631.D
 Acq On : 24 Mar 2019 4:20
 Operator : JC/SP
 Sample : K2043-12
 Misc : 6.52g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(16-18)

Quant Time: Mar 25 03:43:36 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	558542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	900383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	788053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	364832	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	357598	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	7.59	113	269413	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	10.09	98	1110889	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	361653	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	234	0.403	ug/l #	14
16) Acetone	3.83	43	985	0.472	ug/l #	38
18) Methyl Acetate	4.32	43	6258	1.344	ug/l #	71
20) Methylene Chloride	4.54	84	2385	0.387	ug/l #	87
25) 2-Butanone	6.85	43	1061	0.397	ug/l #	46
31) Cyclohexane	7.65	56	14370	Below Cal	#	42
36) 1,1-Dichloropropene	7.66	75	41475	4.927	ug/l #	48
38) Carbon Tetrachloride	7.66	117	53948	6.594	ug/l #	16
39) Methylcyclohexane	9.08	83	7192	0.747	ug/l	98
40) Benzene	8.04	78	115175	4.784	ug/l	99
51) 4-Methyl-2-Pentanone	10.02	43	3501	0.625	ug/l #	84
53) t-1,3-Dichloropropene	10.26	75	103	2.244	ug/l #	42
55) 1,1,2-Trichloroethane	10.54	97	4077	0.766	ug/l #	33
56) Ethyl methacrylate	10.43	69	2356	0.330	ug/l #	56
59) 2-Hexanone	10.72	43	22437	6.129	ug/l #	25
65) Chlorobenzene	11.43	112	965903	60.263	ug/l	100
67) Ethyl Benzene	11.51	91	8787	0.310	ug/l	97
69) o-Xylene	11.95	106	5171	0.494	ug/l	77
71) Bromoform	12.20	173	144	2.255	ug/l #	28
73) Isopropylbenzene	12.25	105	8348	0.284	ug/l	95
74) N-amyl acetate	12.04	43	199782	23.634	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.47	83	17112	2.550	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	184890	31.936	ug/l #	100
78) n-propylbenzene	12.59	91	32509	1.020	ug/l	95
79) 2-Chlorotoluene	12.67	91	6539	0.329	ug/l #	64
81) trans-1,4-Dichloro-2-buten	12.40	75	184890	106.284	ug/l #	13
82) 4-Chlorotoluene	12.72	91	4665	0.242	ug/l #	27
83) tert-Butylbenzene	12.99	119	17664	0.842	ug/l	86
84) 1,2,4-Trimethylbenzene	13.04	105	12269	0.519	ug/l	97
85) sec-Butylbenzene	13.17	105	52886	2.023	ug/l #	53
86) p-Isopropyltoluene	13.44	119	31998	1.368	ug/l	90
87) 1,3-Dichlorobenzene	13.28	146	27408	2.268	ug/l #	1
88) 1,4-Dichlorobenzene	13.36	146	16164	1.375	ug/l #	1
89) n-Butylbenzene	13.61	91	68765	3.760	ug/l	91

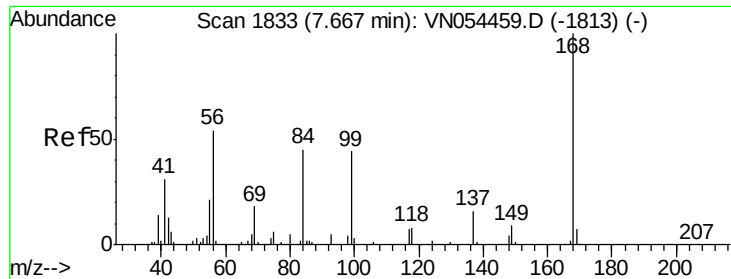
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	19779	5.448	ug/l #	2
91) 1,2-Dichlorobenzene	13.66	146	6128	0.524	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.08	75	361	0.367	ug/l	72
93) 1,2,4-Trichlorobenzene	14.91	180	5573	0.955	ug/l #	1
95) Naphthalene	15.13	128	8967	0.689	ug/l #	19

(#) = 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

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

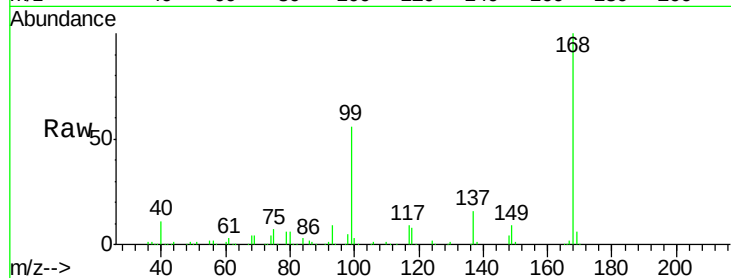
WP022SB443-190319-(16-18)

Tot Ion:168 Resp: 558542

Ion Ratio Lower Upper

168 100

99 55.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054459.D

Ion 98.90 (98.60 to 99.60): VN054459.D

7.66

250000

200000

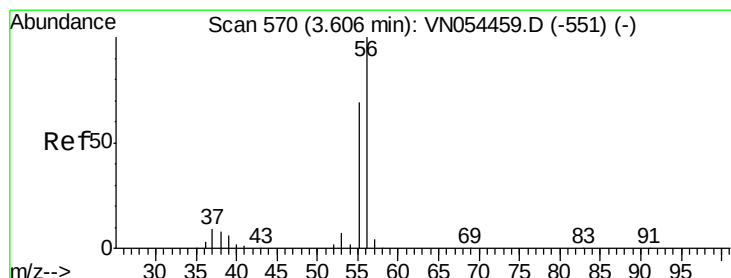
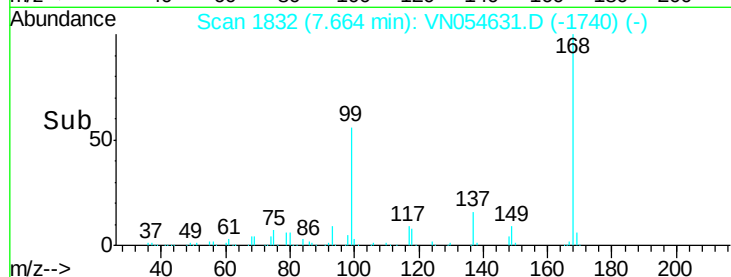
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.403 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054631.D

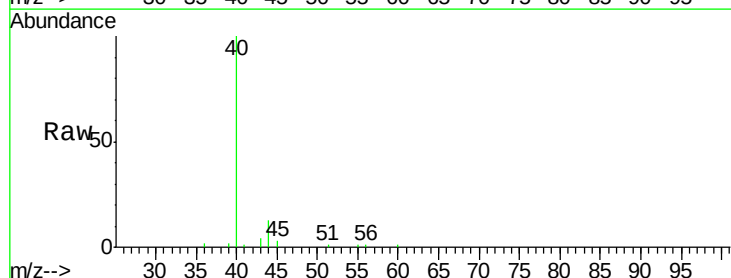
Acq: 24 Mar 2019 4:20

Tgt Ion: 56 Resp: 234

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D

Ion 55.00 (54.70 to 55.70): VN054459.D

3.61

250

200

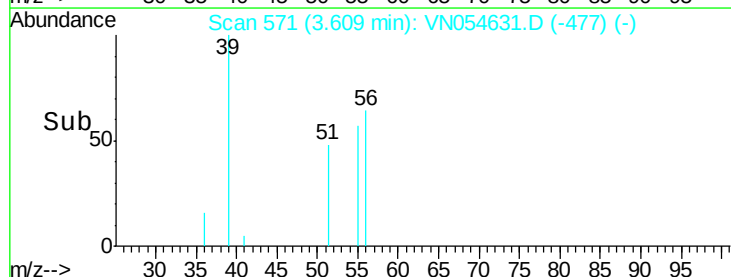
150

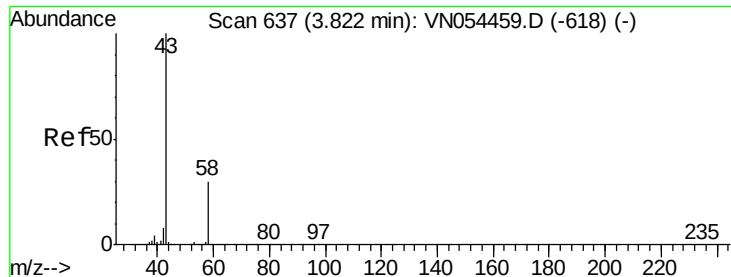
100

50

0

Time-->





#16

Acetone

Concen: 0.472 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

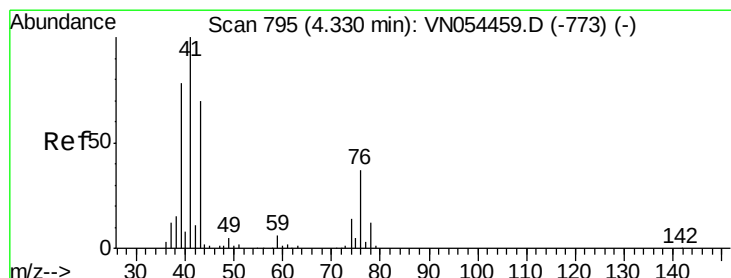
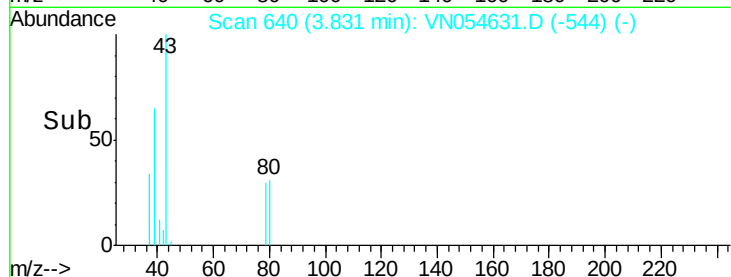
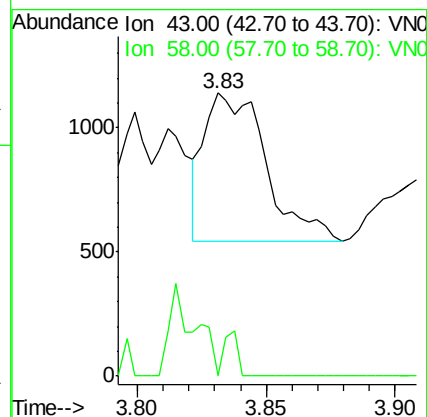
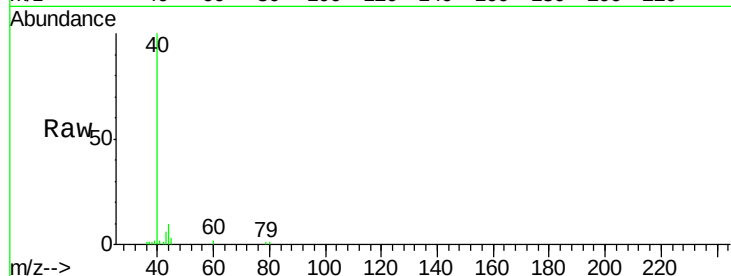
WP022SB443-190319-(16-18)

Tot Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



#18

Methyl Acetate

Concen: 1.344 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN054631.D

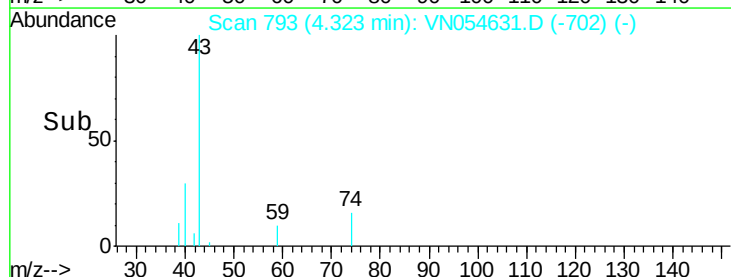
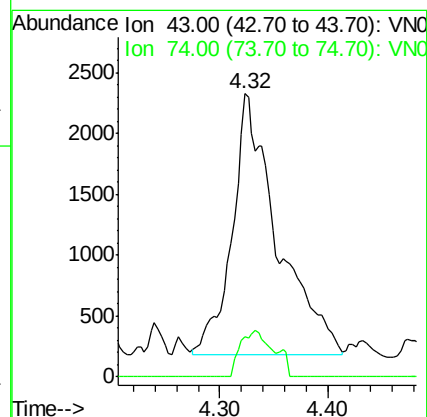
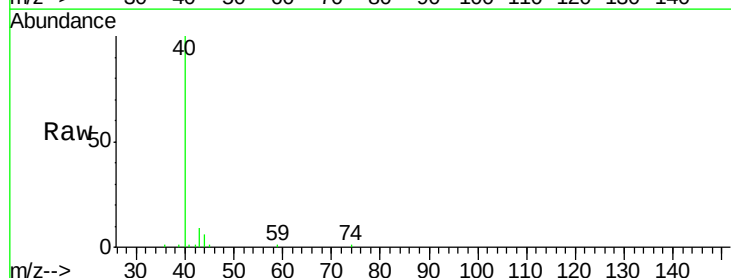
Acq: 24 Mar 2019 4:20

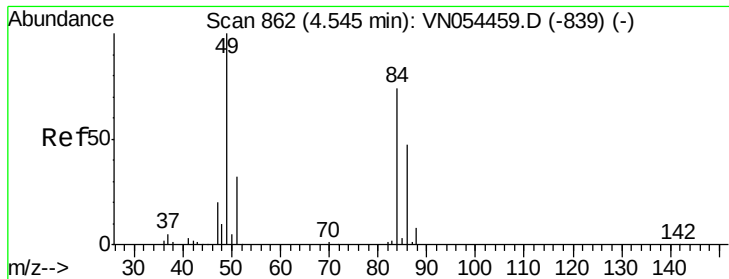
Tgt Ion: 43 Resp: 6258

Ion Ratio Lower Upper

43 100

74 11.3 20.8 31.2#

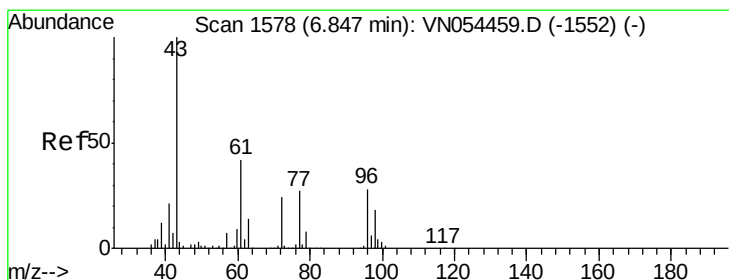
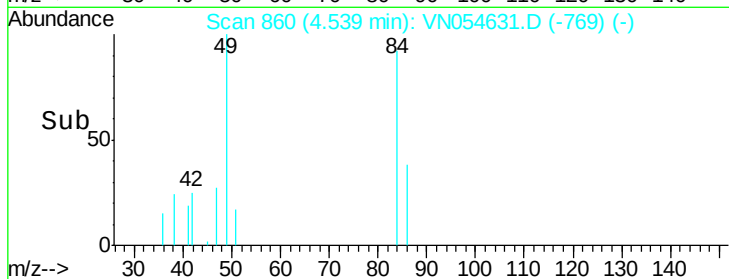
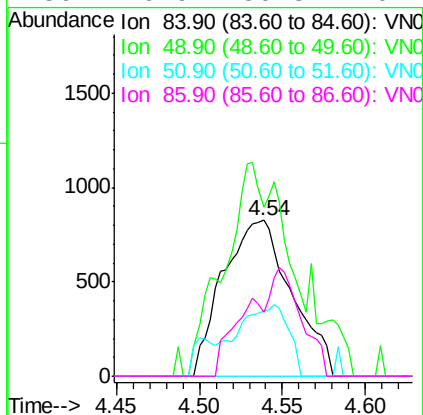
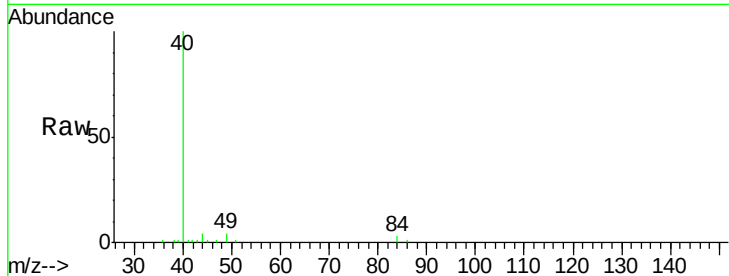




#20
Methvlene Chloride
Concen: 0.387 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

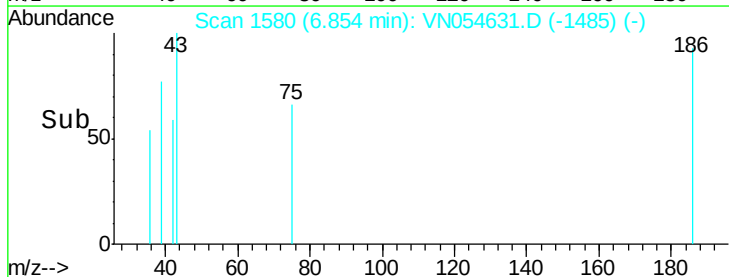
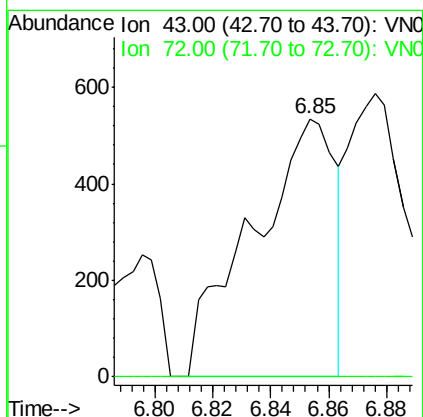
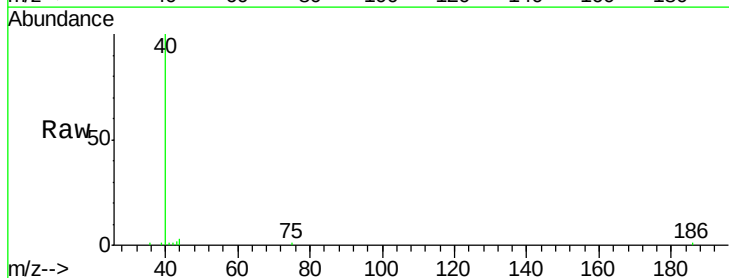
Instrument :
MSVOA_N
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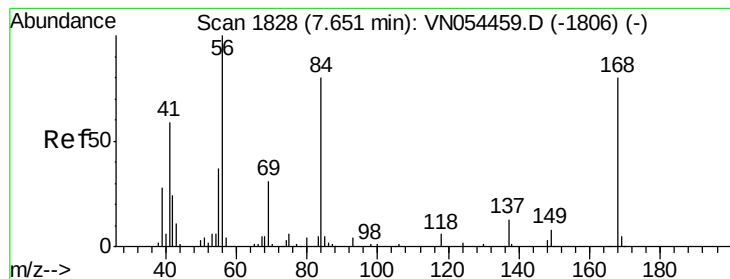
Tot Ion: 84 Resp: 2385
Ion Ratio Lower Upper
84 100
49 108.4 89.7 134.5
51 42.4 28.2 42.4
86 40.9 50.8 76.2#



#25
2-Butanone
Concen: 0.397 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB443-190319-(16-18)

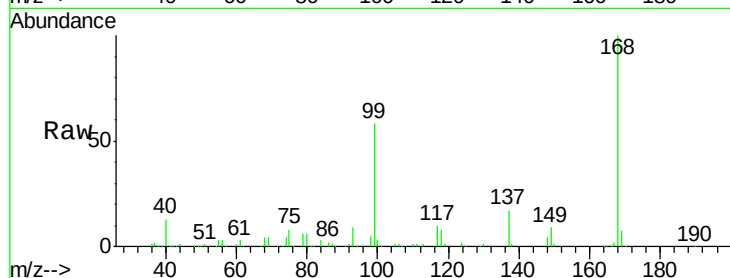
Tot Ion: 56 Resp: 14370

Ion Ratio Lower Upper

56 100

69 142.4 27.8 41.6#

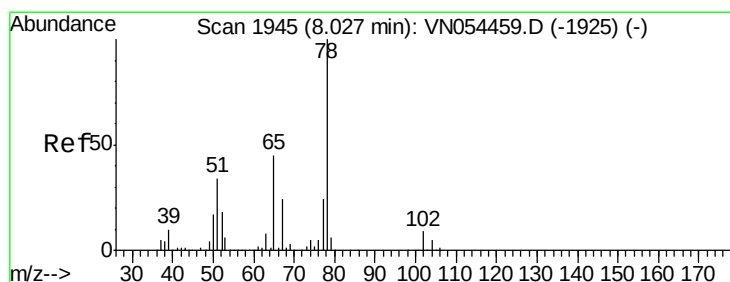
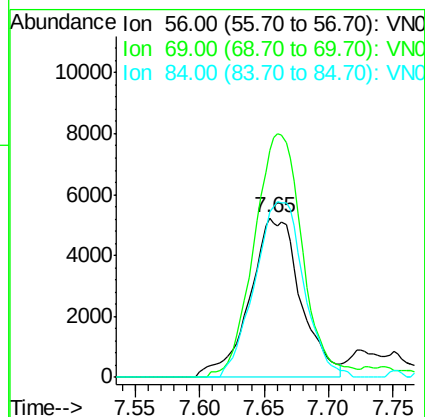
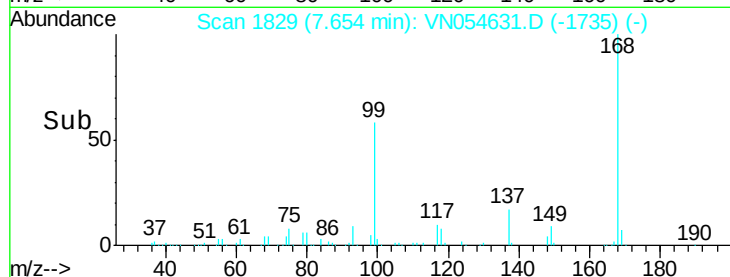
84 103.4 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.472 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054631.D

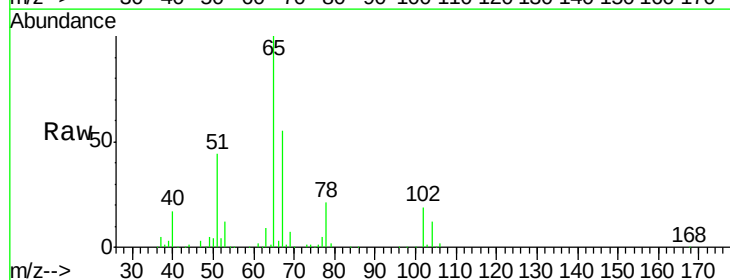
Acq: 24 Mar 2019 4:20

Tgt Ion: 65 Resp: 357598

Ion Ratio Lower Upper

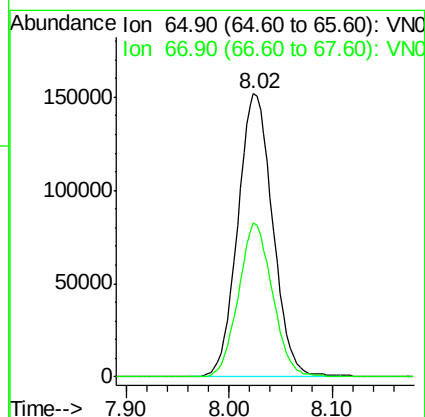
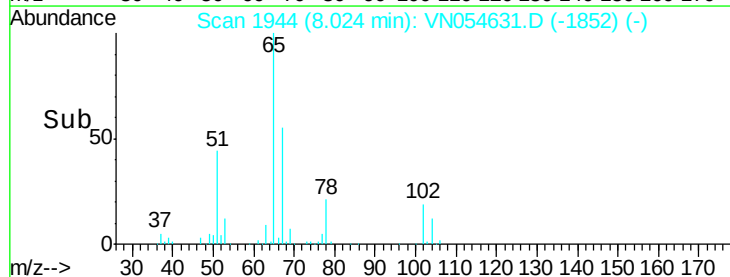
65 100

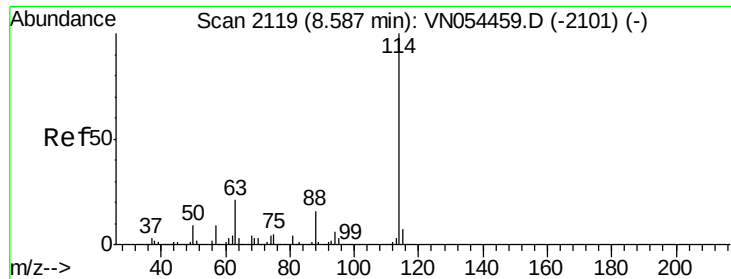
67 53.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

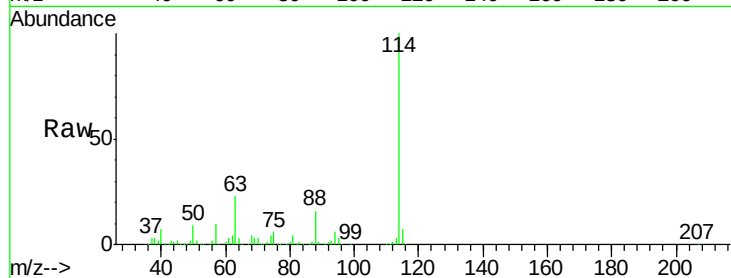




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Instrument :
MSVOA_N
ClientSampleId :
WP022SB443-190319-(16-18)

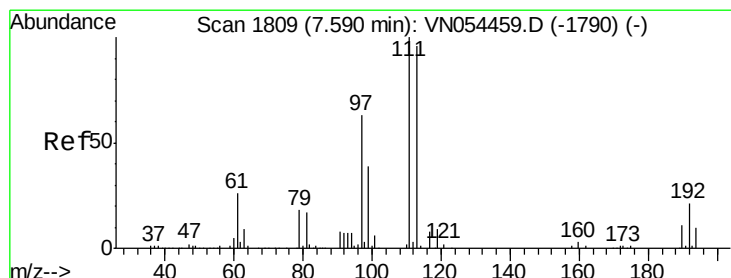
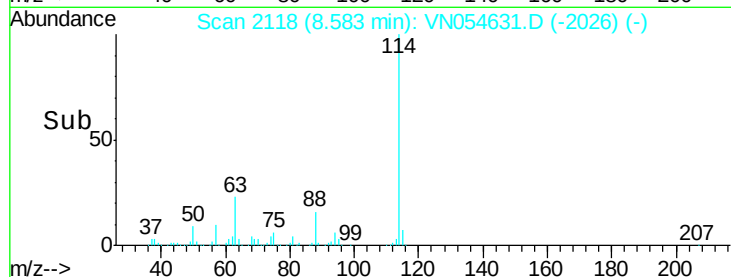
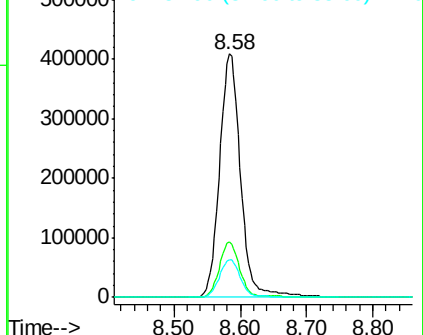
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	35.2
88	15.5	0.0	30.2



Abundance Ion 113.90 (113.60 to 114.60): V

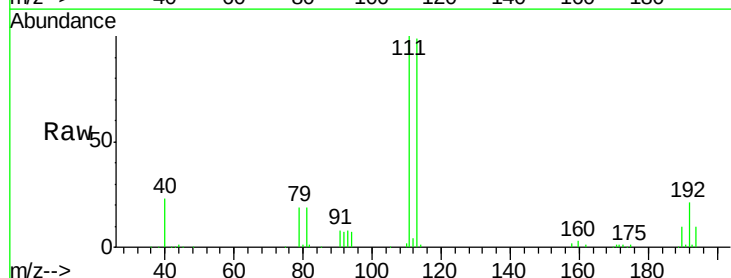
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
Dibromofluoromethane
Concen: 46.445 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

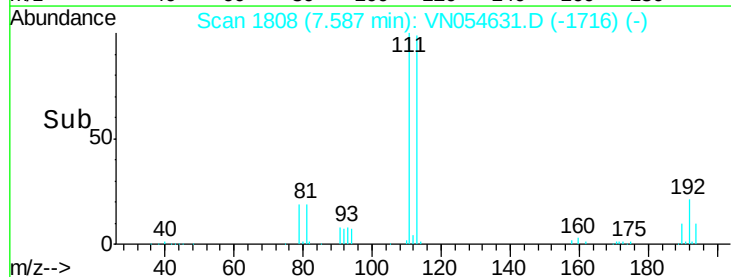
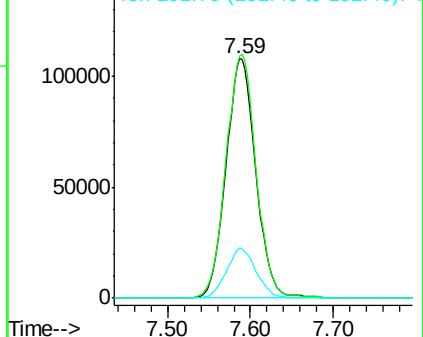
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.8	19.2	28.8

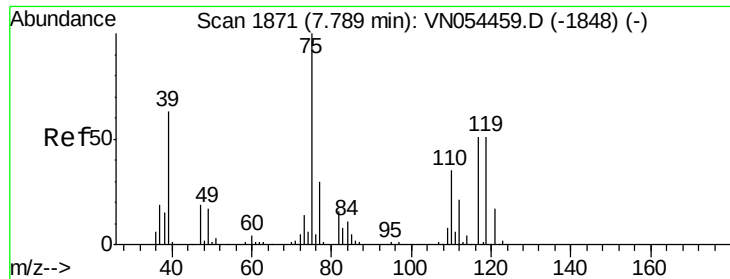


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

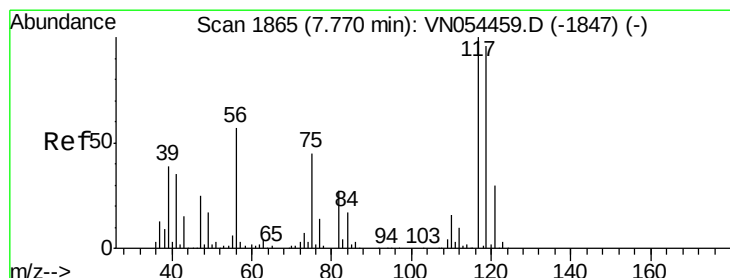
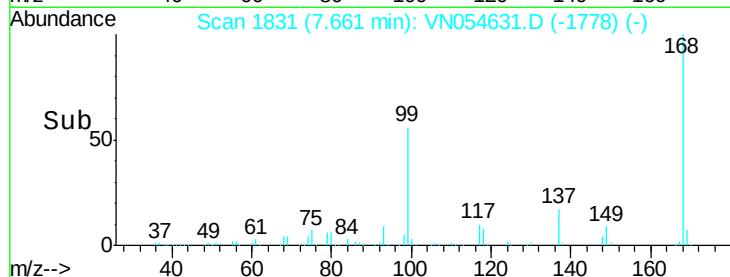
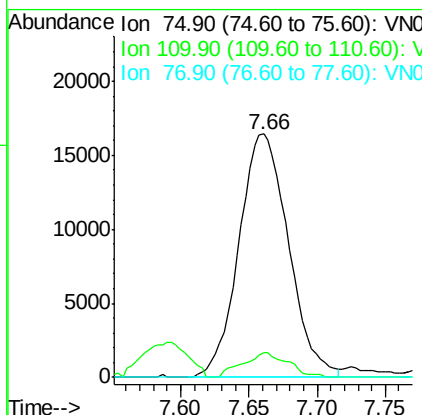
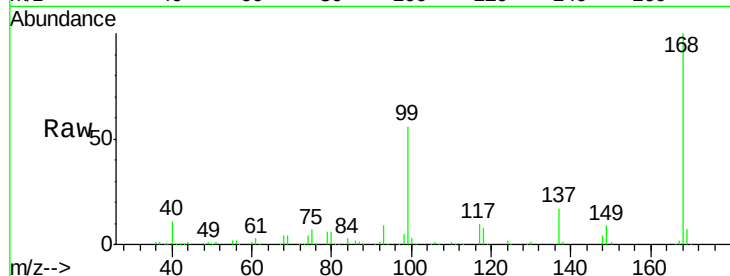




#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

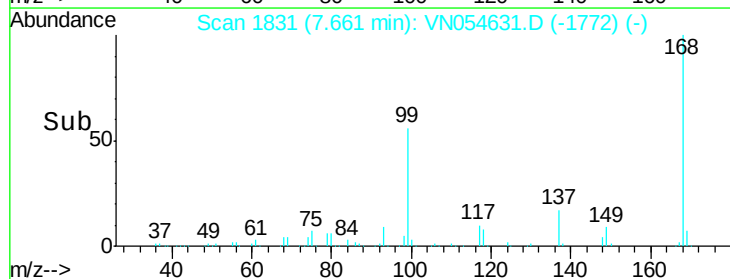
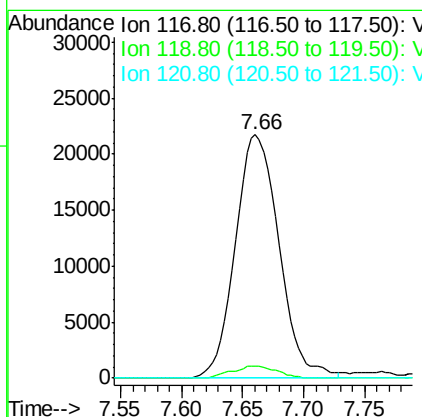
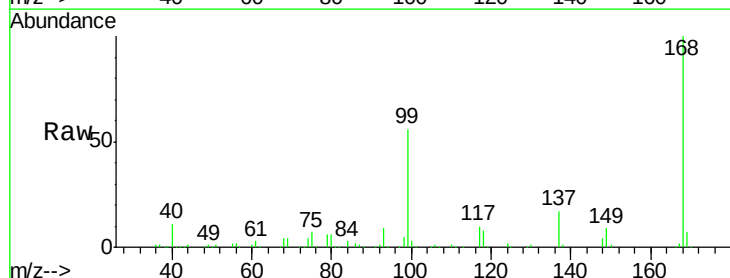
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(16-18)

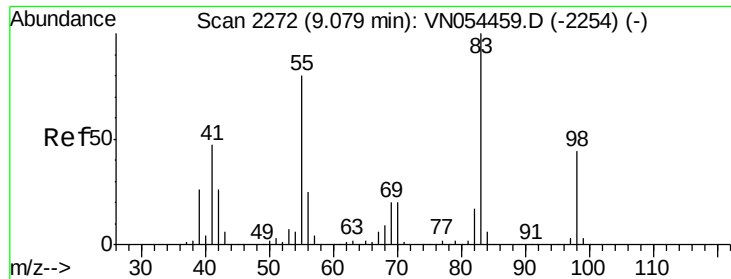
Tot Ion	75	Resp	41475
Ion Ratio	100	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.594 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

Tgt Ion	117	Resp	53948
Ion Ratio	100	Lower	Upper
117	100		
119	4.9	76.3	114.5#
121	0.0	24.6	36.8#

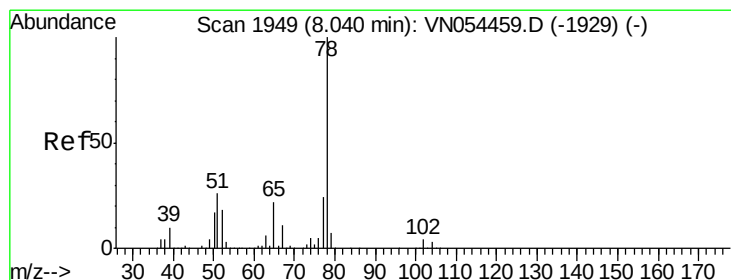
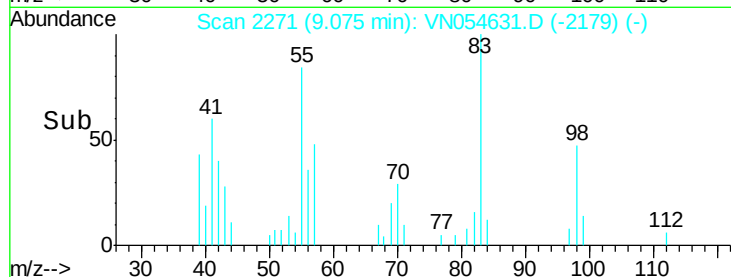
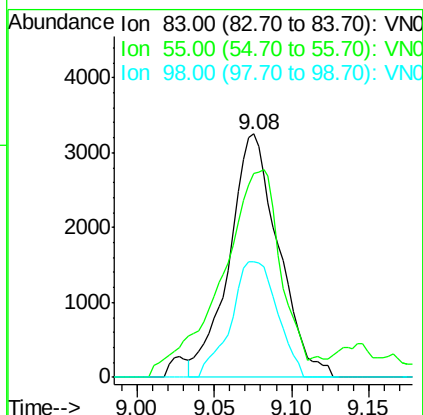
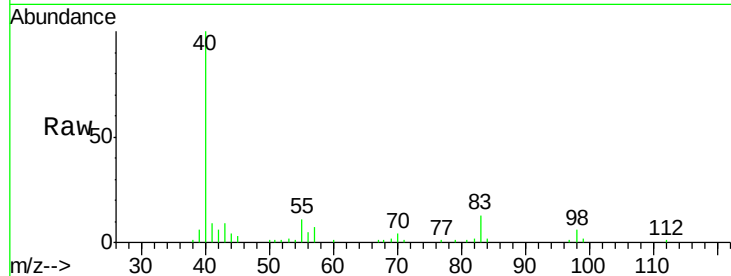




#39
Methylvlcyclohexane
Concen: 0.747 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

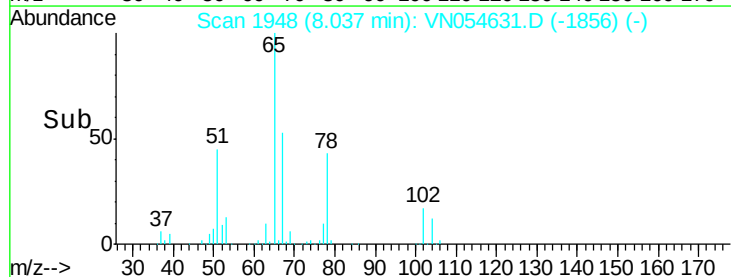
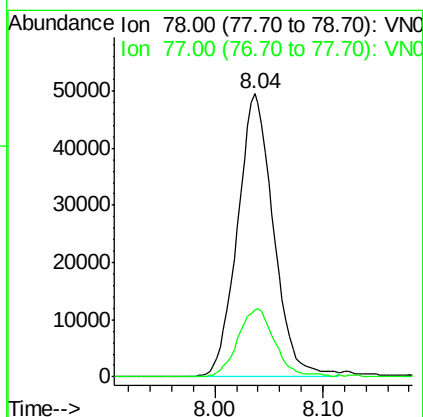
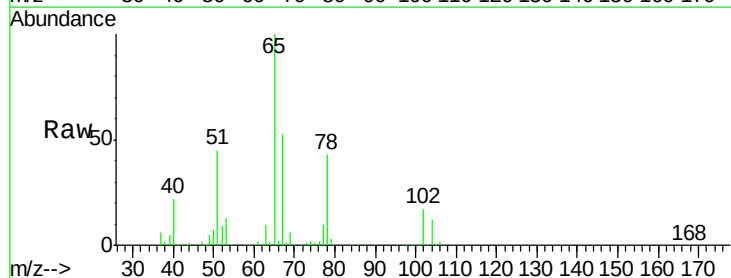
Instrument :
MSVOA_N
ClientSampleId :
WP022SB443-190319-(16-18)

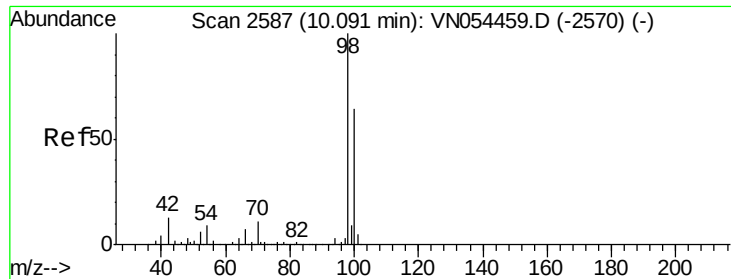
Tot Ion: 83 Resp: 7192
Ion Ratio Lower Upper
83 100
55 73.2 56.6 84.8
98 47.3 38.4 57.6



#40
Benzene
Concen: 4.784 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 78 Resp: 115175
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

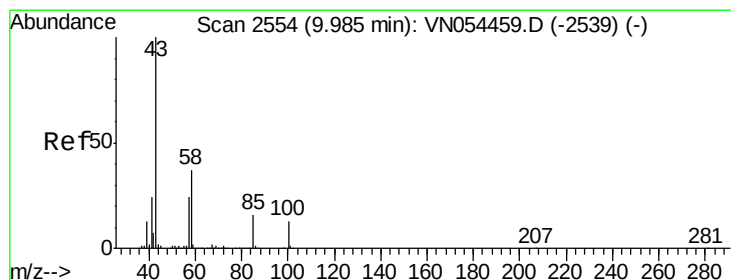
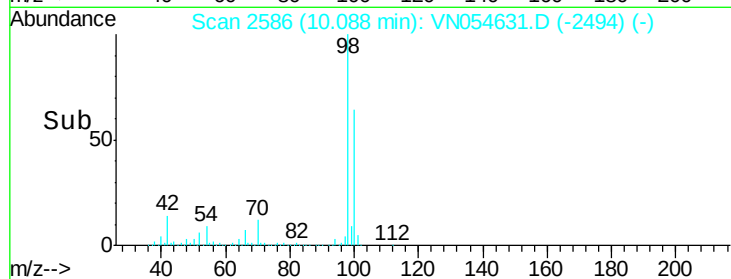
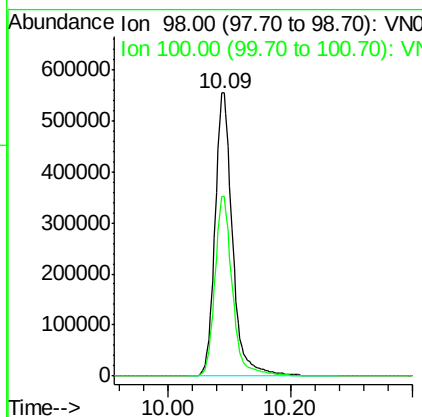
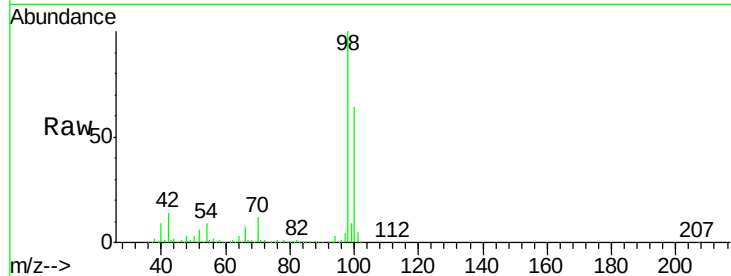




#50
Toluene-d8
Concen: 50.942 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

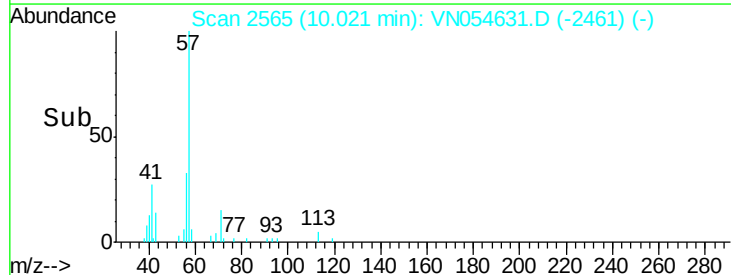
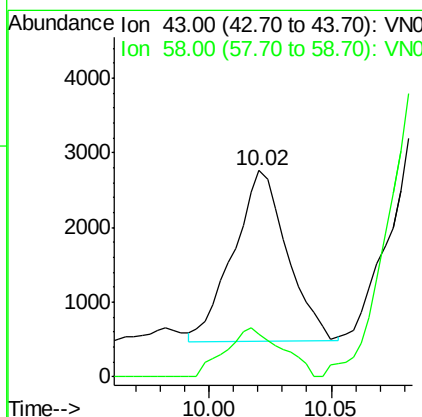
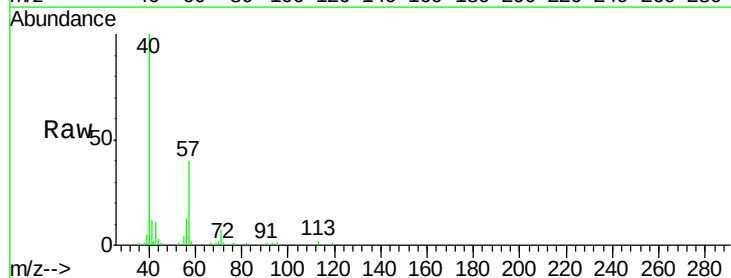
Instrument :
MSVOA_N
ClientSampleId :
WP022SB443-190319-(16-18)

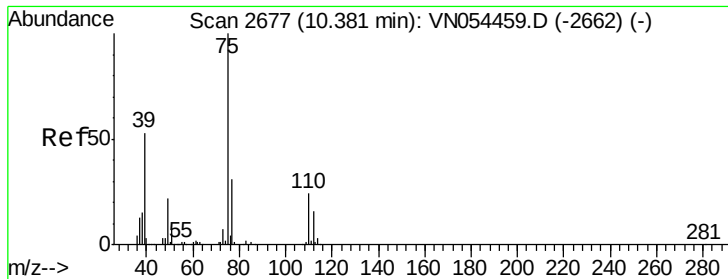
Tot Ion: 98 Resp: 1110889
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.625 ug/l
RT: 10.02 min Scan# 2565
Delta R.T. 0.04 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 43 Resp: 3501
Ion Ratio Lower Upper
43 100
58 30.1 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 2.244 ug/l

RT: 10.26 min Scan# 2639

Delta R.T. -0.12 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

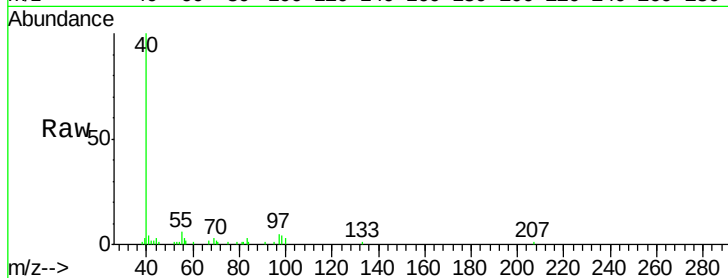
WP022SB443-190319-(16-18)

Tot Ion: 75 Resp: 103

Ion Ratio Lower Upper

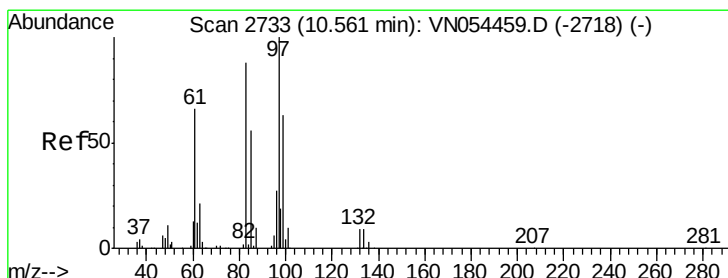
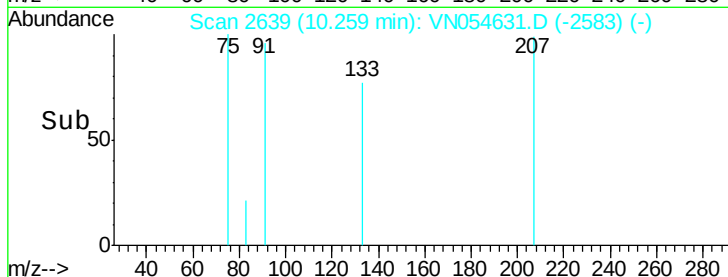
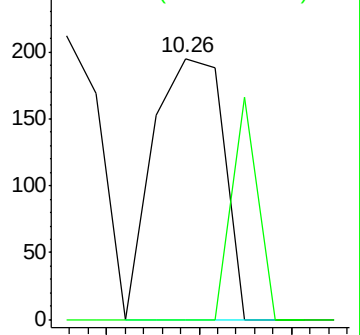
75 100

77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#55

1,1,2-Trichloroethane

Concen: 0.766 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Tgt Ion: 97 Resp: 4077

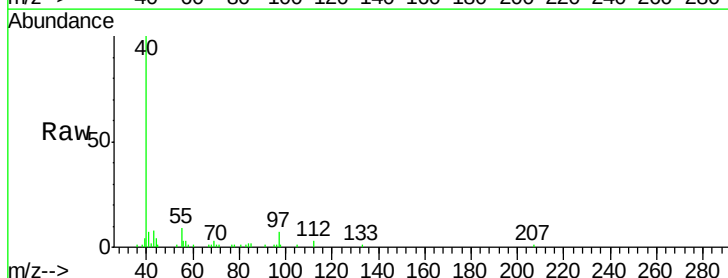
Ion Ratio Lower Upper

97 100

83 11.6 66.6 100.0#

85 32.8 44.4 66.6#

99 0.0 50.8 76.2#

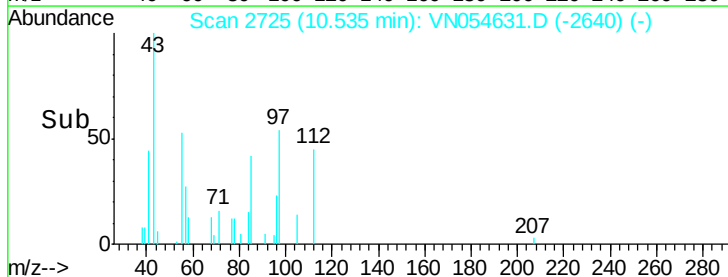
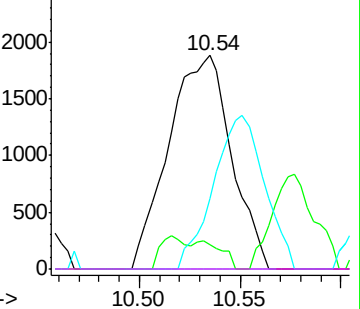


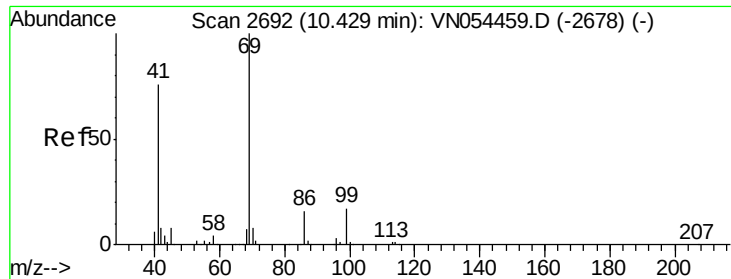
Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

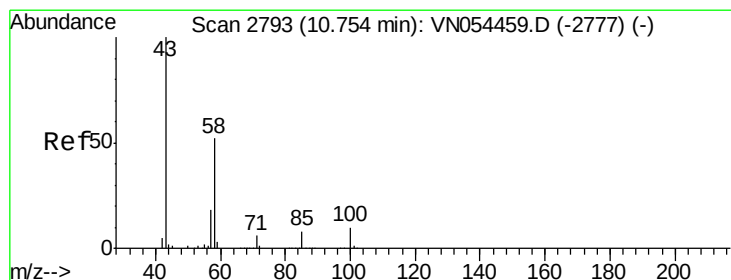
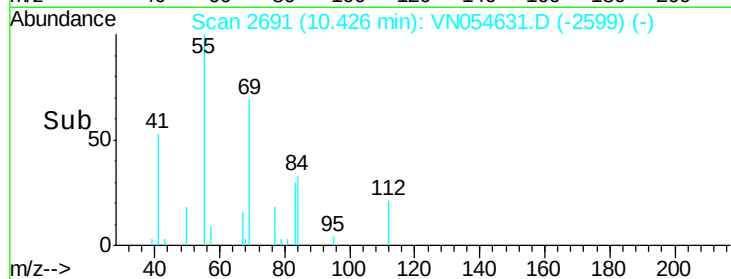
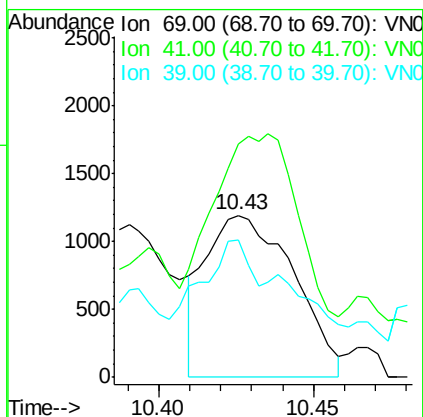
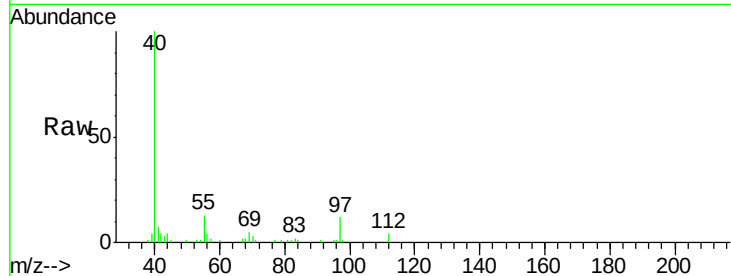




#56
Ethyl methacrylate
Concen: 0.330 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

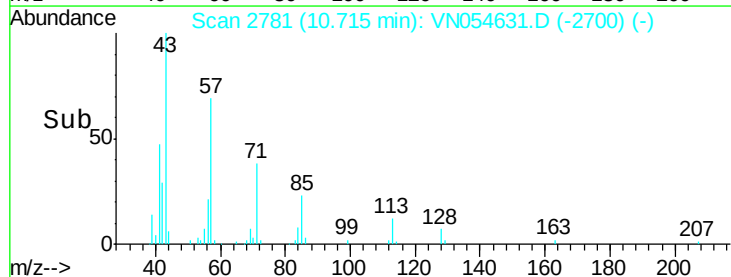
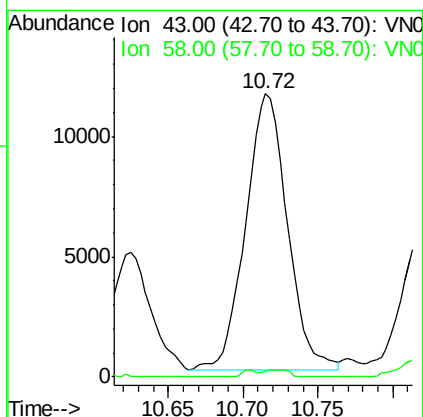
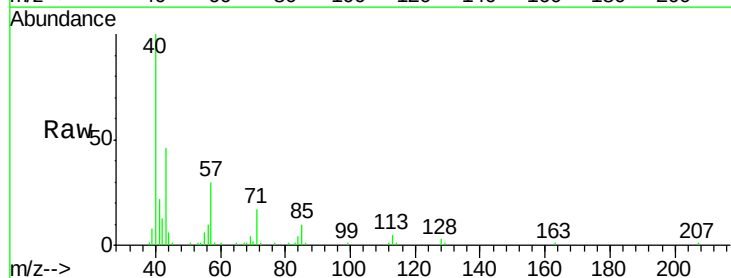
Instrument :
MSVOA_N
ClientSampleId :
WP022SB443-190319-(16-18)

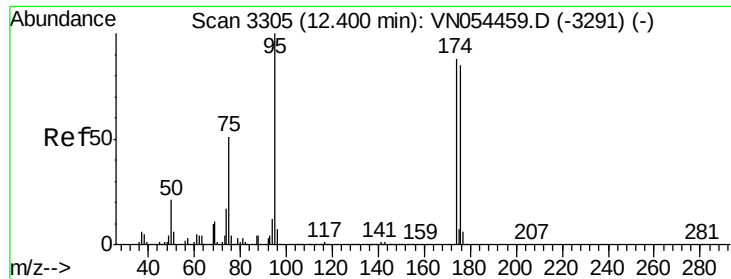
Tot Ion: 69 Resp: 2356
Ion Ratio Lower Upper
69 100
41 108.4 49.4 74.2#
39 27.3 28.3 42.5#



#59
2-Hexanone
Concen: 6.129 ug/l
RT: 10.72 min Scan# 2781
Delta R.T. -0.04 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 43 Resp: 22437
Ion Ratio Lower Upper
43 100
58 1.4 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 48.736 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB443-190319-(16-18)

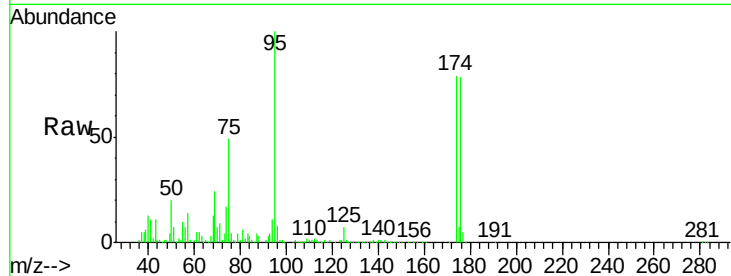
Tot Ion: 95 Resp: 361653

Ion Ratio Lower Upper

95 100

174 83.6 0.0 191.0

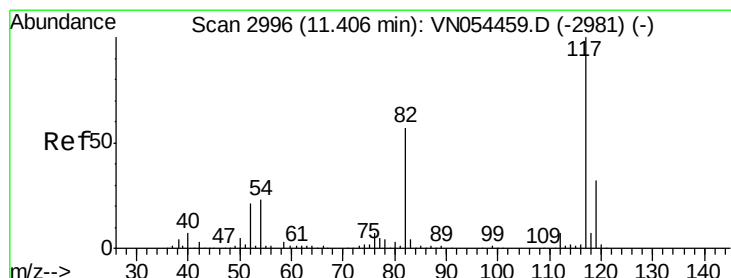
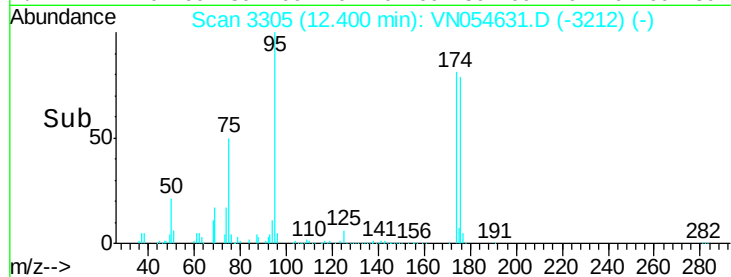
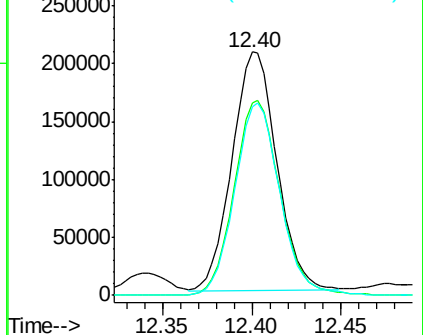
176 81.2 0.0 187.4



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: VN054631.D

Acq: 24 Mar 2019 4:20

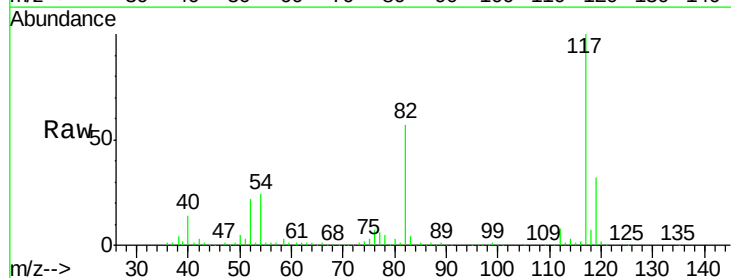
Tgt Ion: 117 Resp: 788053

Ion Ratio Lower Upper

117 100

82 56.6 40.0 60.0

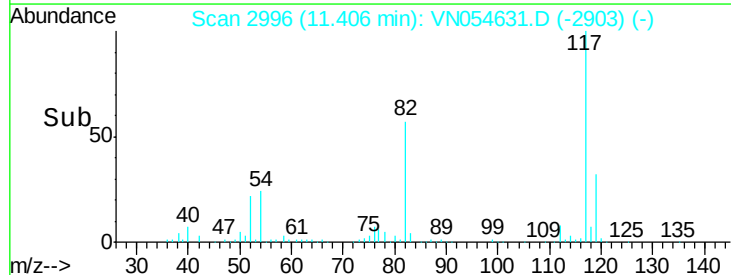
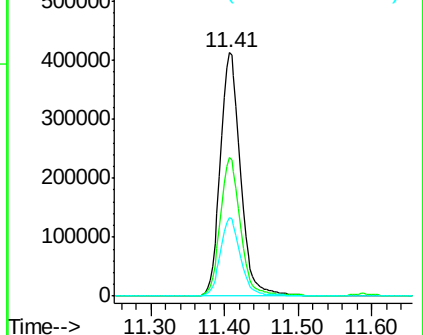
119 32.0 25.8 38.6

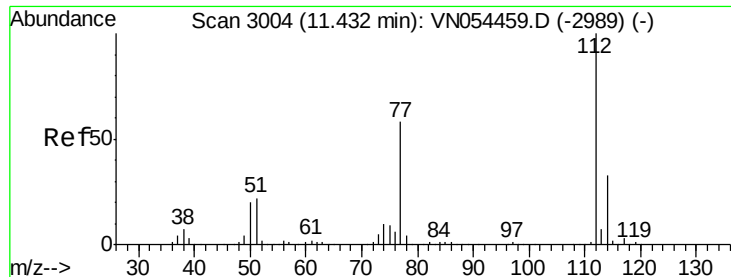


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

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

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

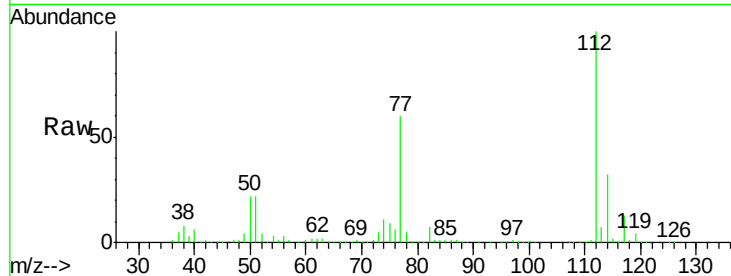




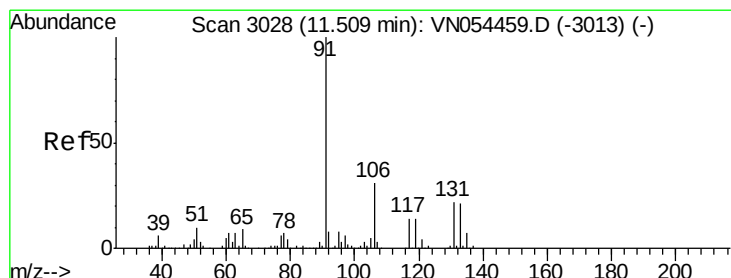
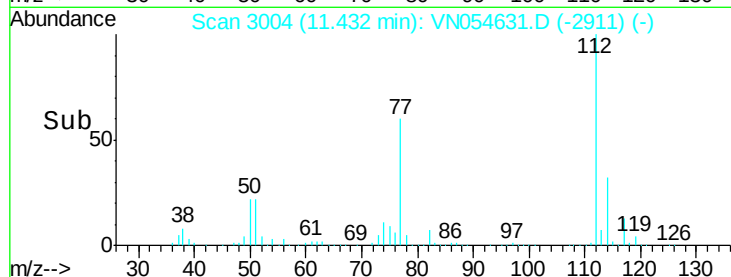
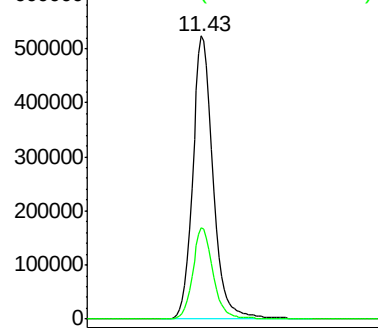
#65
Chlorobenzene
Concen: 60.263 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Instrument :
MSVOA_N
ClientSampleId :
WP022SB443-190319-(16-18)

Tot Ion:112 Resp: 965903
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

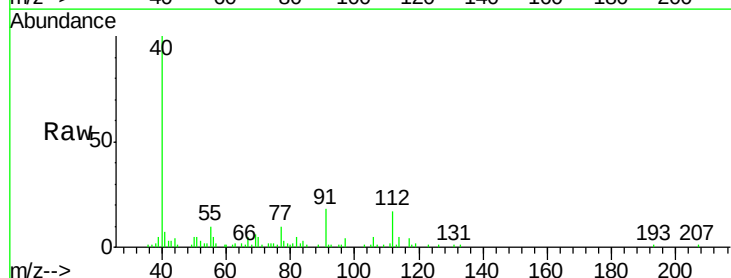


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

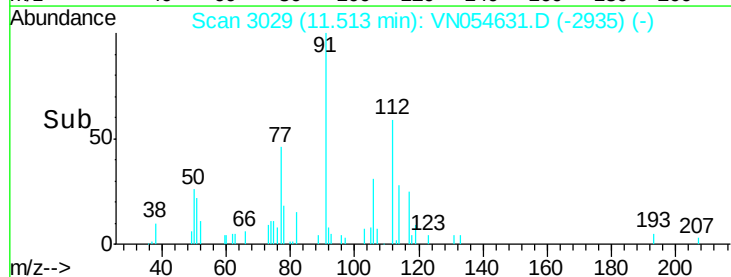
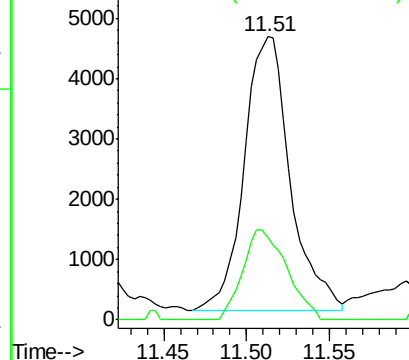


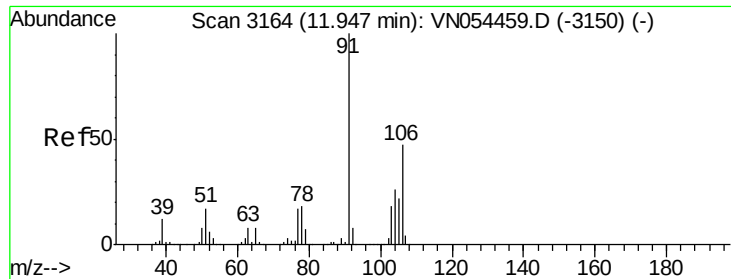
#67
Ethyl Benzene
Concen: 0.310 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 91 Resp: 8787
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

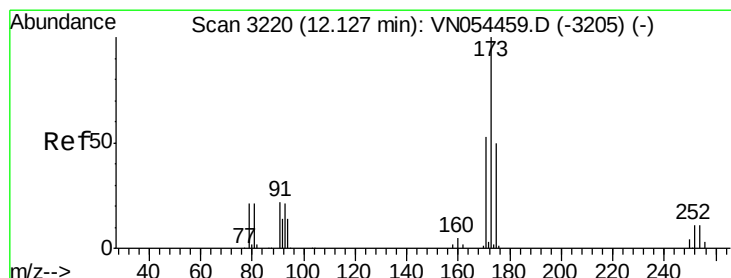
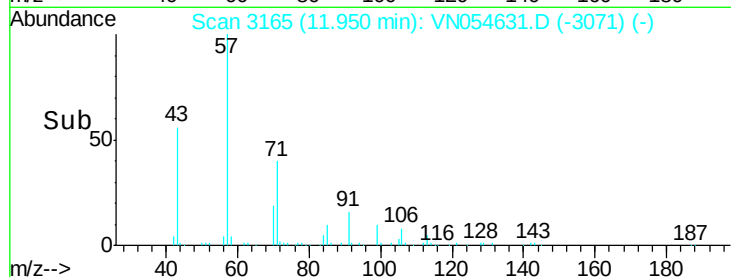
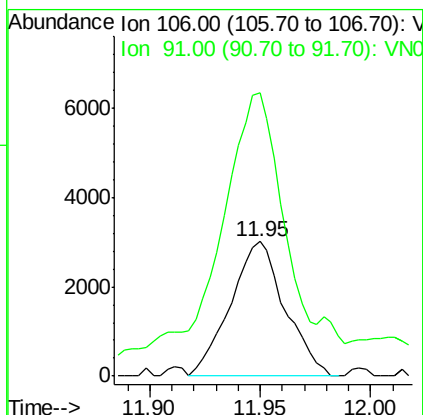
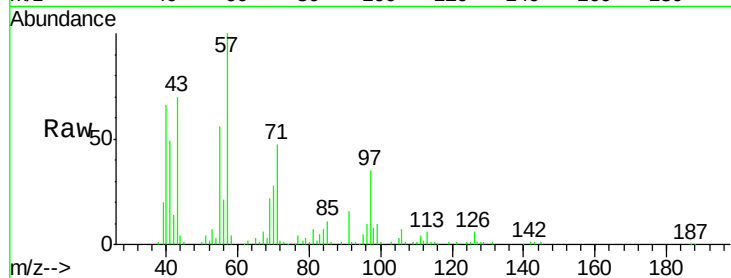




#69
o-Xylene
Concen: 0.494 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

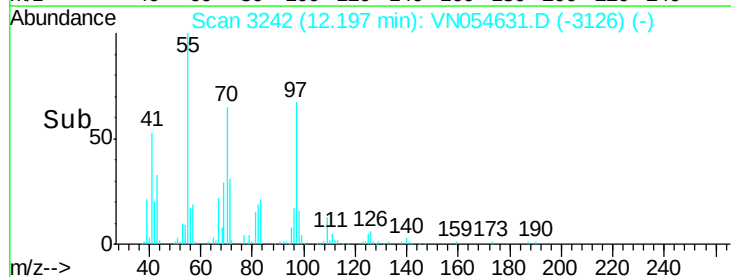
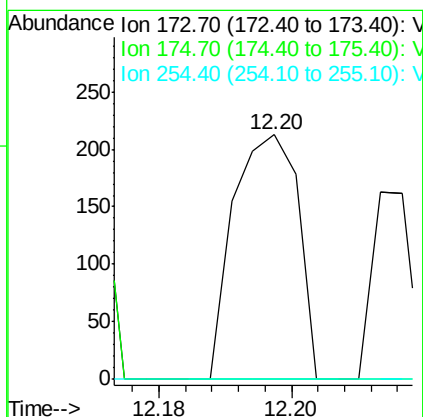
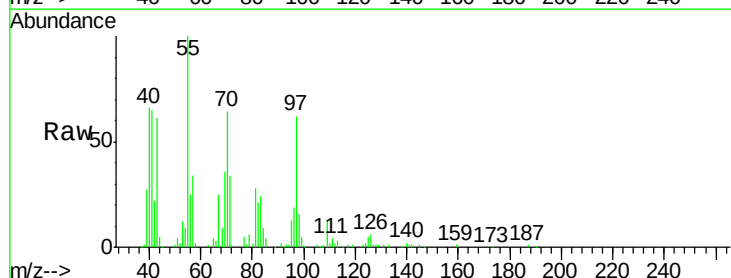
Instrument :
MSVOA_N
ClientSampleId :
WP022SB443-190319-(16-18)

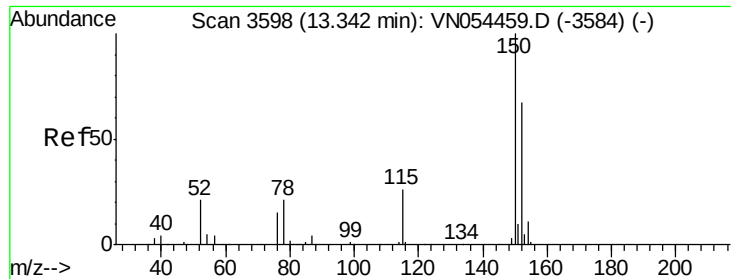
Tot Ion:106 Resp: 5171
Ion Ratio Lower Upper
106 100
91 246.9 105.7 317.1



#71
Bromoform
Concen: 2.255 ug/l
RT: 12.20 min Scan# 3242
Delta R.T. 0.07 min
Lab File: VN054631.D
Acq: 24 Mar 2019 4:20

Tgt Ion:173 Resp: 144
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#

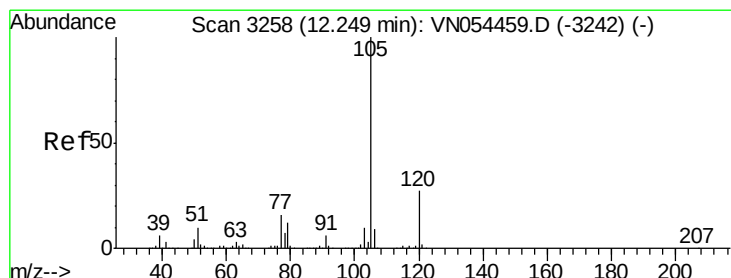
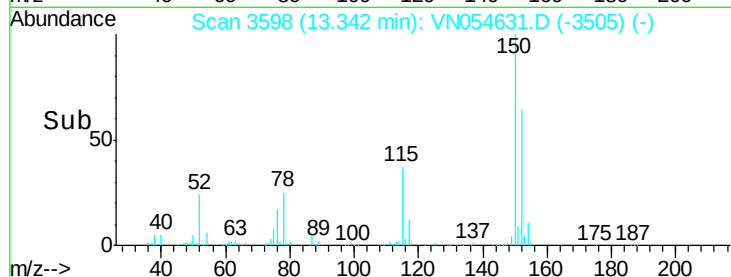
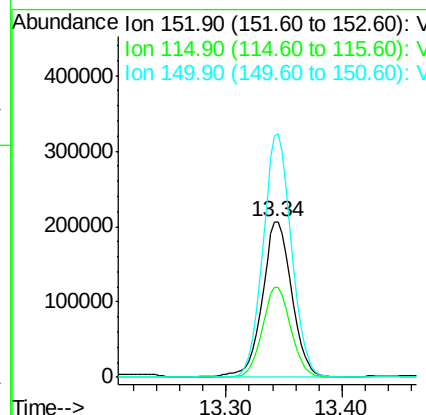
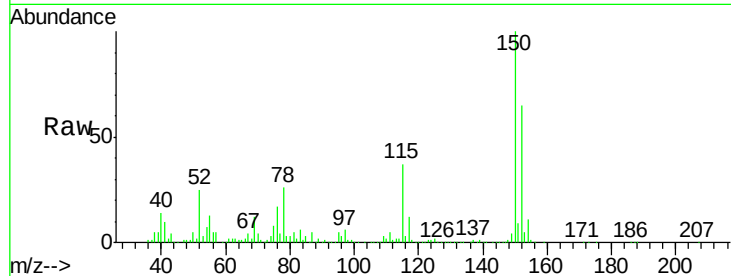




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

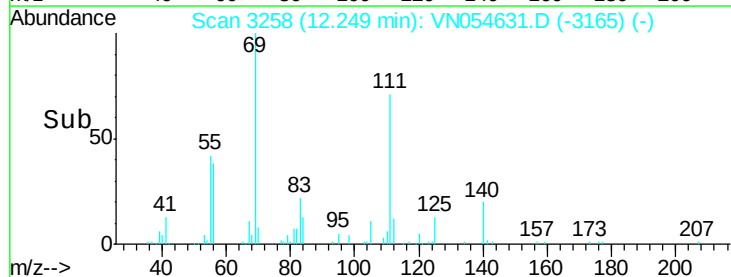
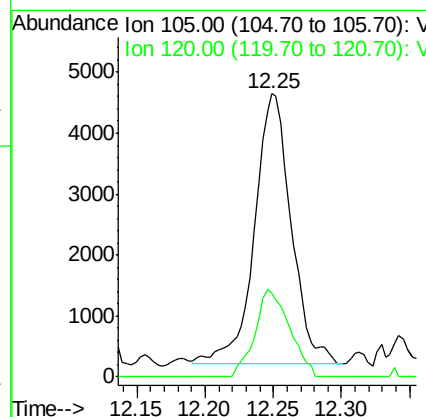
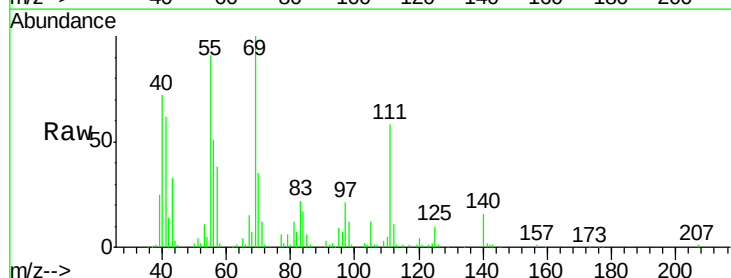
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(16-18)

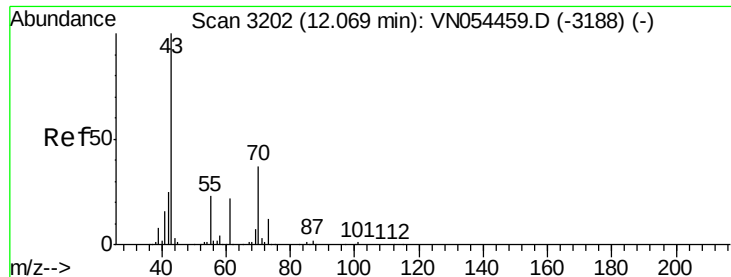
Tot Ion:152 Resp: 364832
 Ion Ratio Lower Upper
 152 100
 115 55.8 27.2 81.6
 150 150.8 0.0 349.2



#73
 Isopropylbenzene
 Concen: 0.284 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

Tgt Ion:105 Resp: 8348
 Ion Ratio Lower Upper
 105 100
 120 30.1 13.8 41.3





#74

N-amyl acetate

Concen: 23.634 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB443-190319-(16-18)

Tot Ion: 43 Resp: 199782

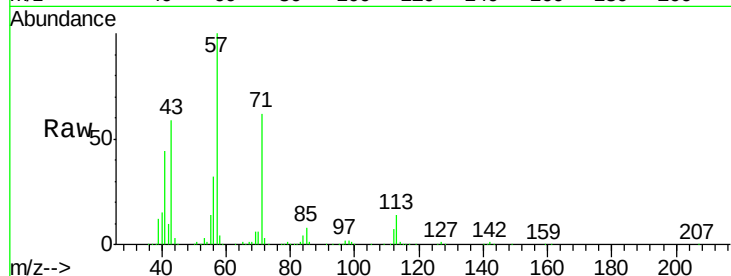
Ion Ratio Lower Upper

43 100

70 7.6 35.4 53.0#

55 6.6 19.8 29.6#

61 0.0 19.8 29.6#

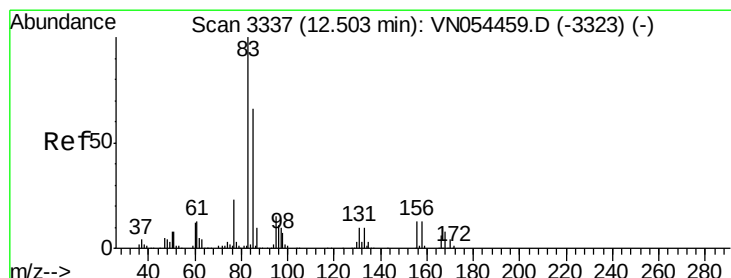
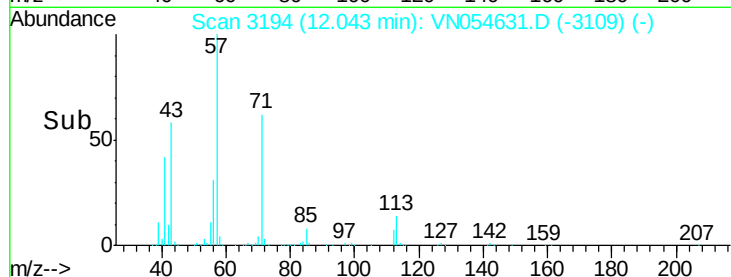
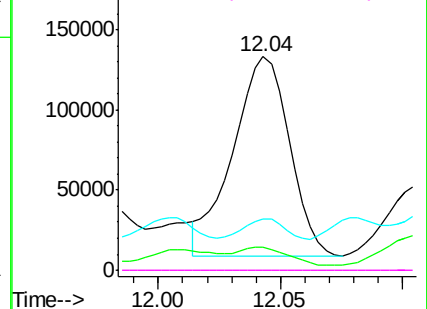


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.550 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

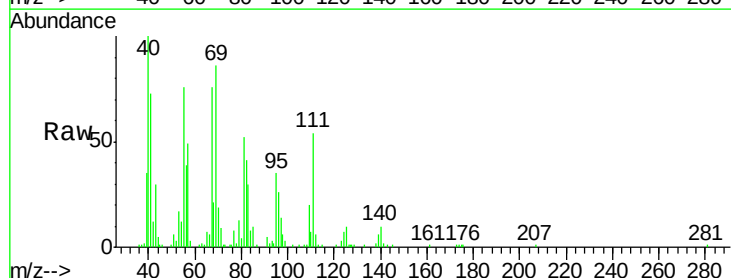
Tgt Ion: 83 Resp: 17112

Ion Ratio Lower Upper

83 100

131 0.4 5.8 17.4#

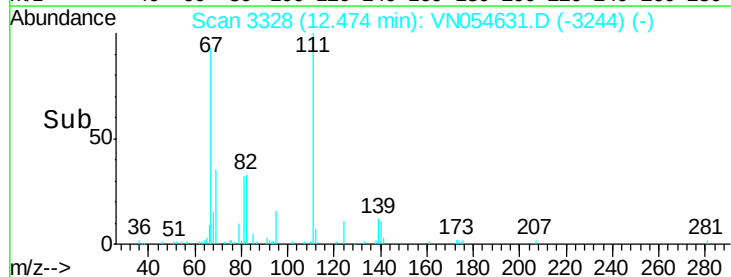
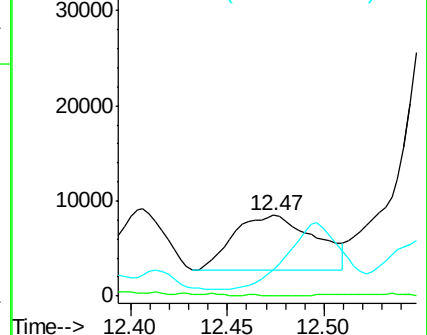
85 0.0 32.2 96.6#

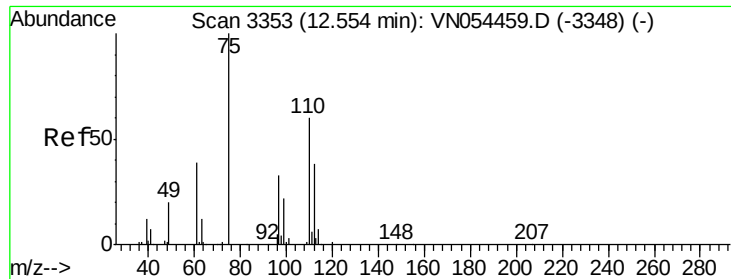


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

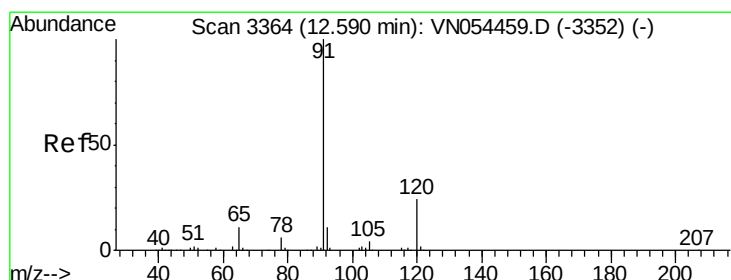
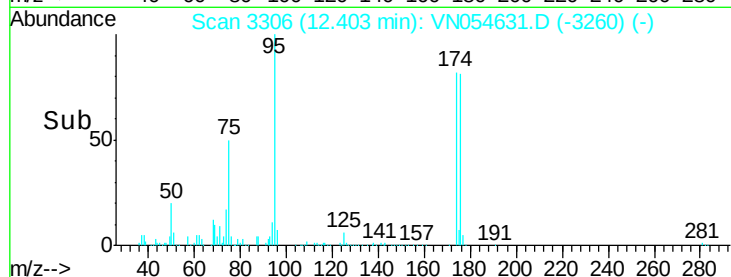
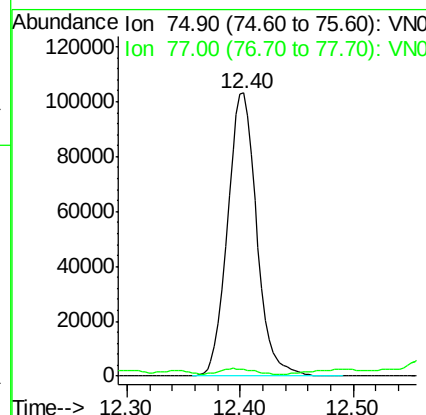
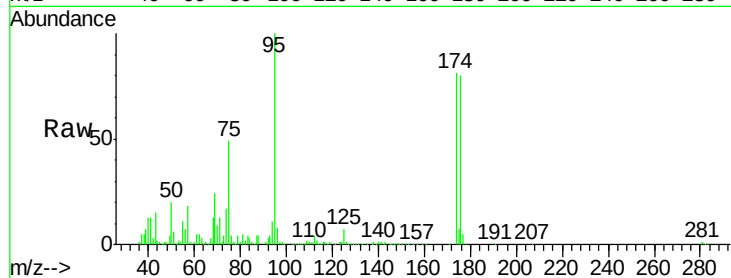




#76
 1,2,3-Trichloropropane
 Concen: 31.936 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

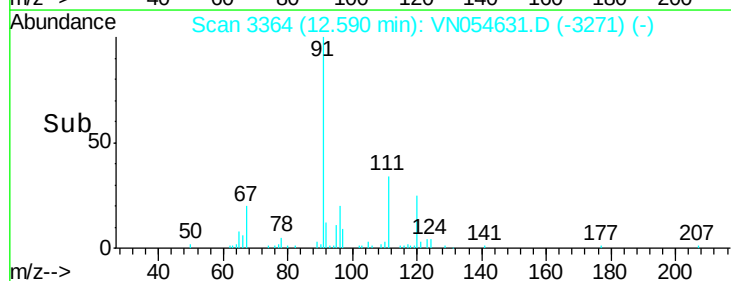
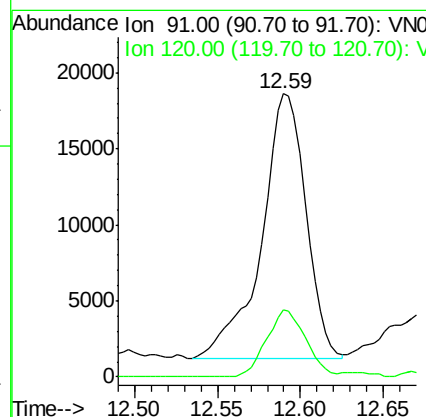
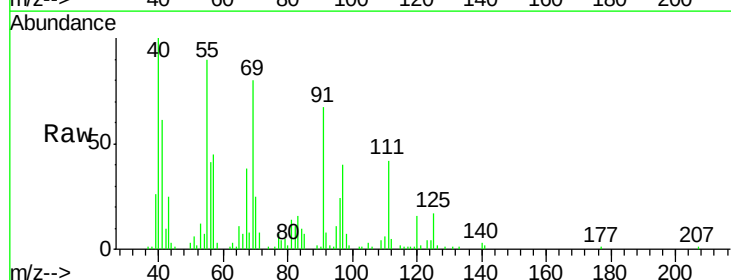
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(16-18)

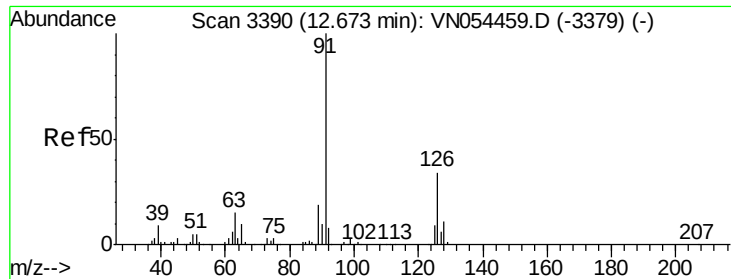
Tot Ion: 75 Resp: 184890
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 1.020 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

Tgt Ion: 91 Resp: 32509
 Ion Ratio Lower Upper
 91 100
 120 22.3 12.3 36.9





#79

2-Chlorotoluene

Concen: 0.329 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

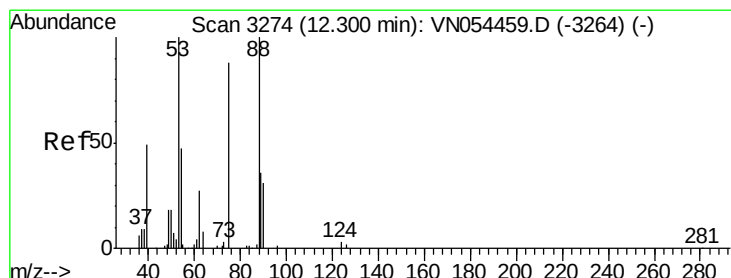
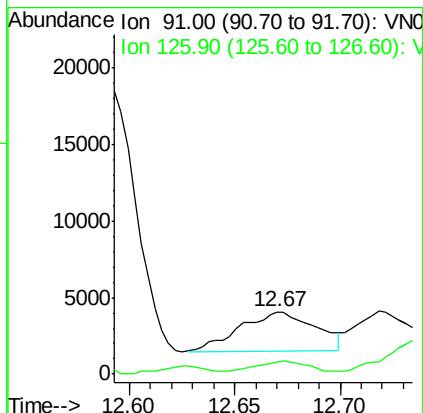
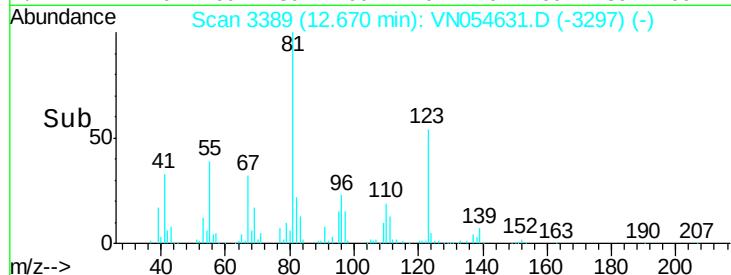
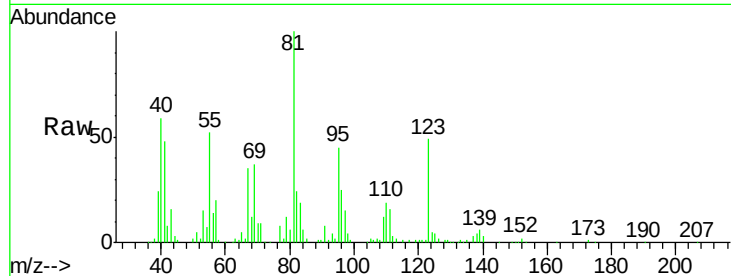
WP022SB443-190319-(16-18)

Tot Ion: 91 Resp: 6539

Ion Ratio Lower Upper

91 100

126 16.1 18.7 56.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.284 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

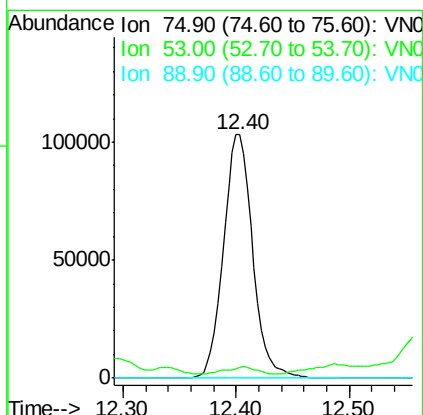
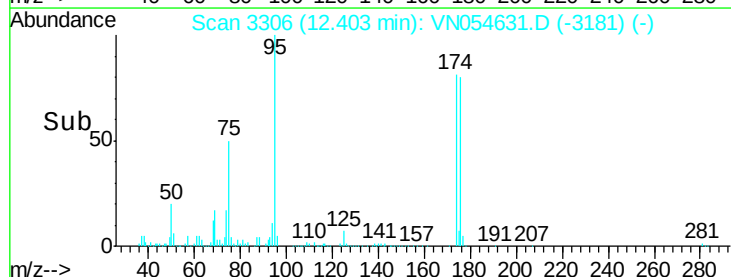
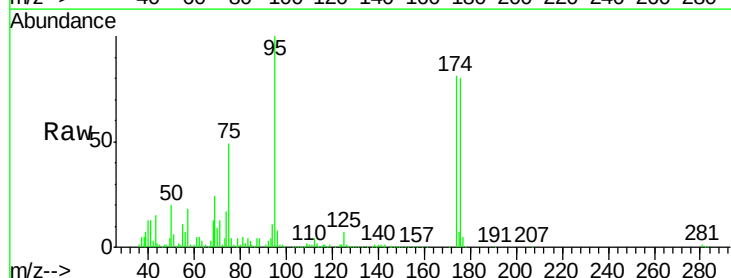
Tgt Ion: 75 Resp: 184890

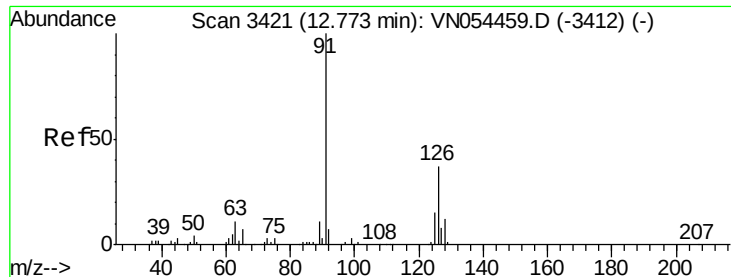
Ion Ratio Lower Upper

75 100

53 3.2 76.2 114.2#

89 0.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 0.242 ug/l

RT: 12.72 min Scan# 3404

Delta R.T. -0.05 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

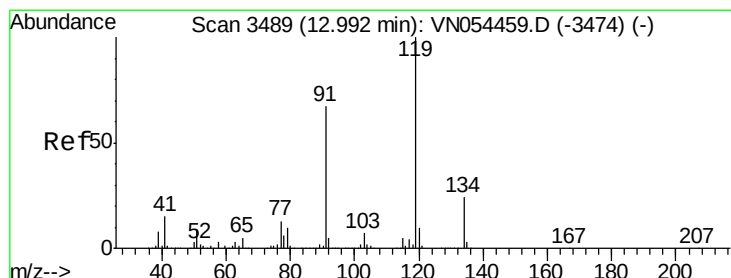
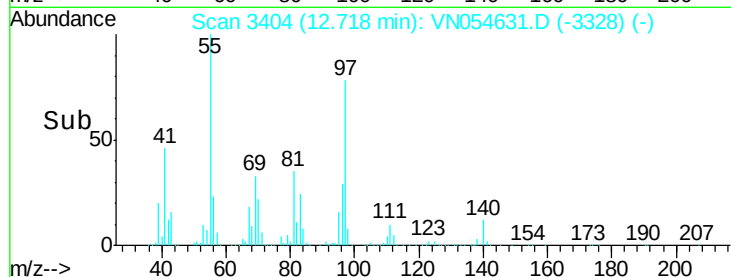
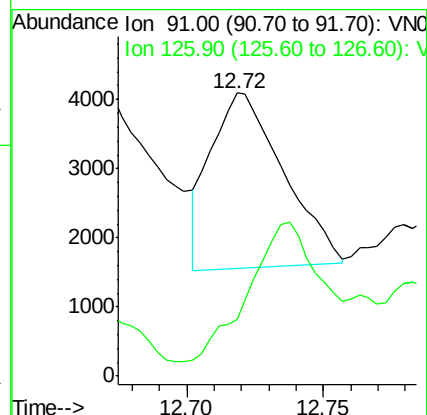
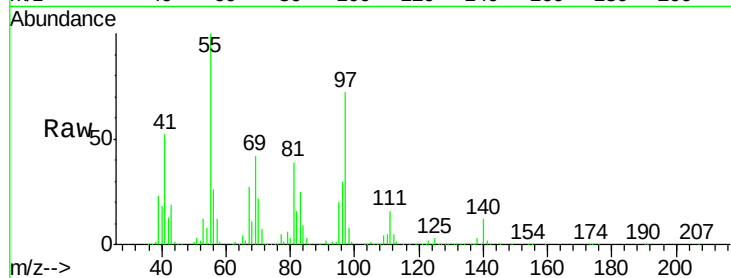
WP022SB443-190319-(16-18)

Tot Ion: 91 Resp: 4665

Ion Ratio Lower Upper

91 100

126 79.3 18.1 54.1#



#83

tert-Butylbenzene

Concen: 0.842 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

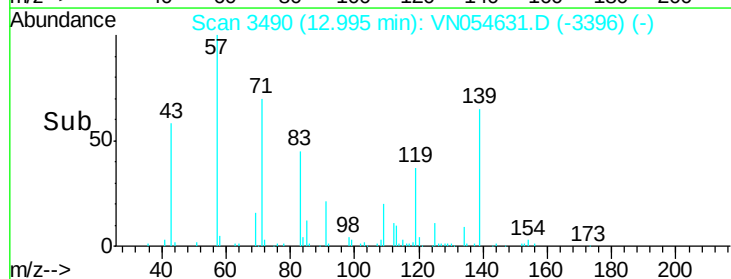
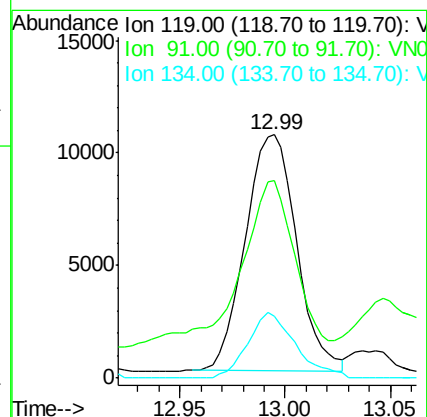
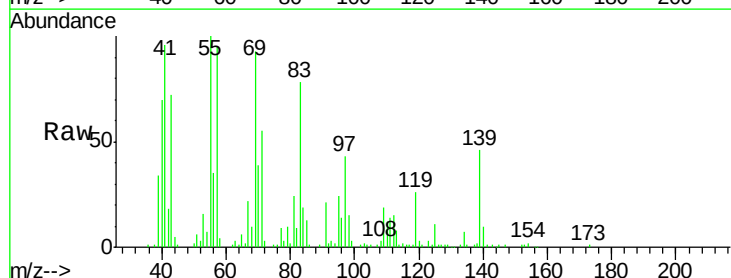
Tgt Ion: 119 Resp: 17664

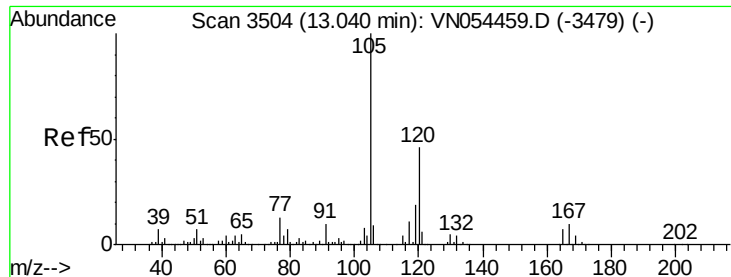
Ion Ratio Lower Upper

119 100

91 76.9 30.9 92.8

134 26.1 13.2 39.6

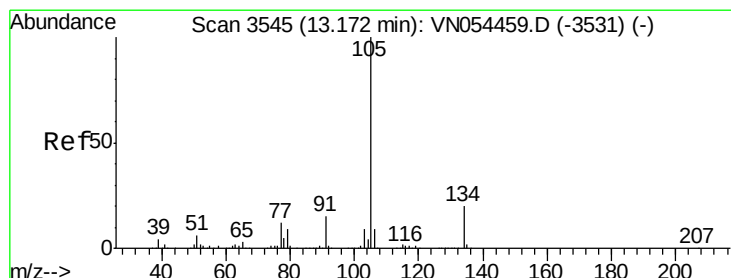
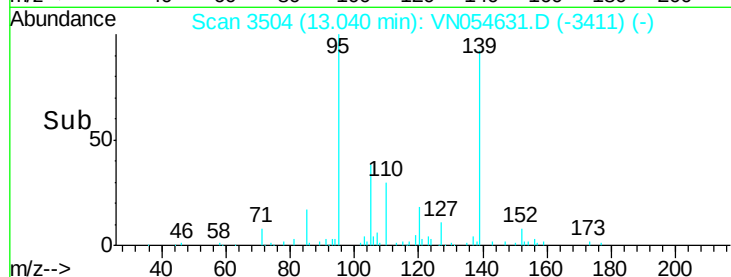
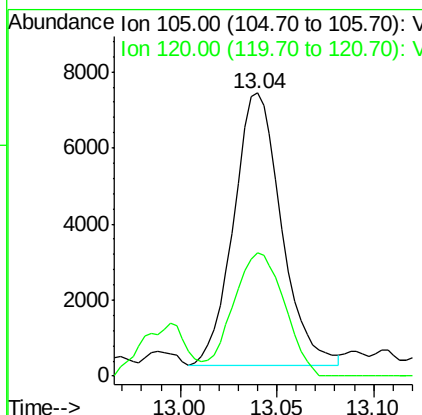
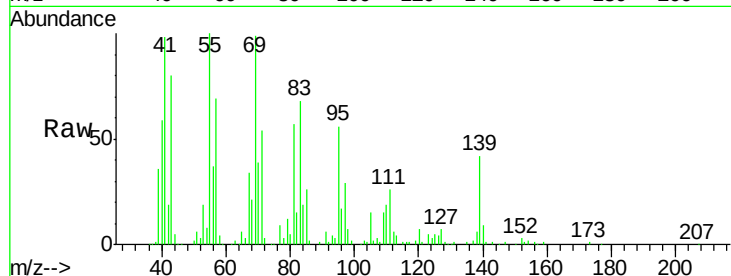




#84
 1,2,4-Trimethylbenzene
 Concen: 0.519 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

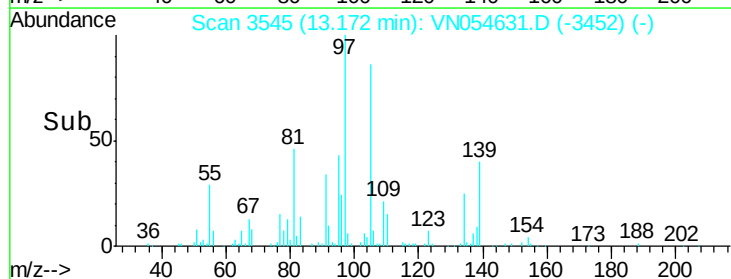
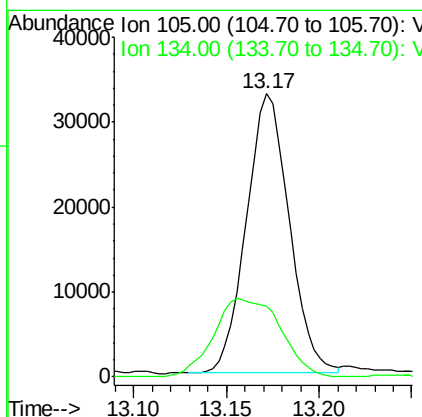
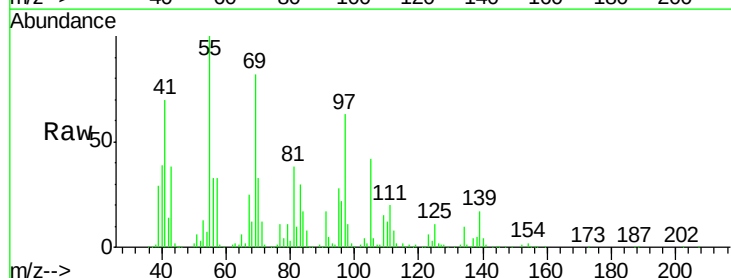
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(16-18)

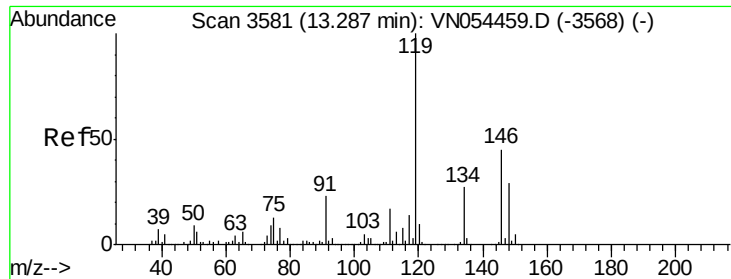
Tot Ion:105 Resp: 12269
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 2.023 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

Tgt Ion:105 Resp: 52886
 Ion Ratio Lower Upper
 105 100
 134 43.4 10.7 32.1#

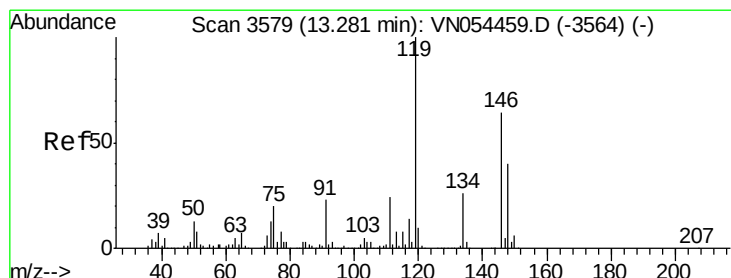
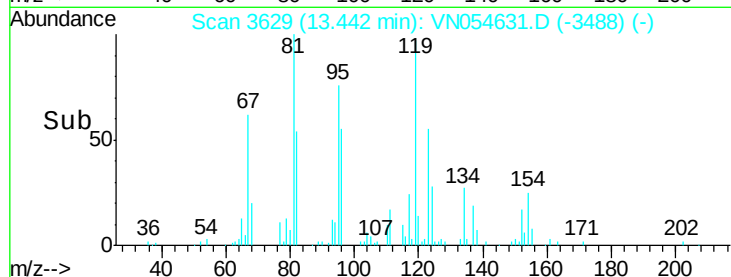
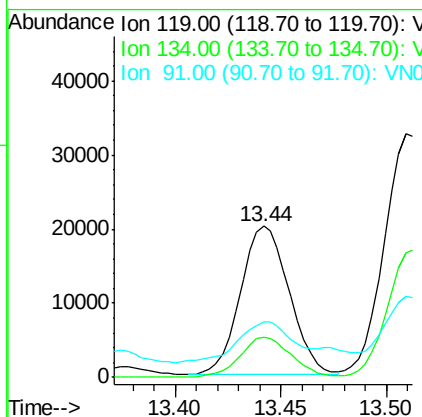
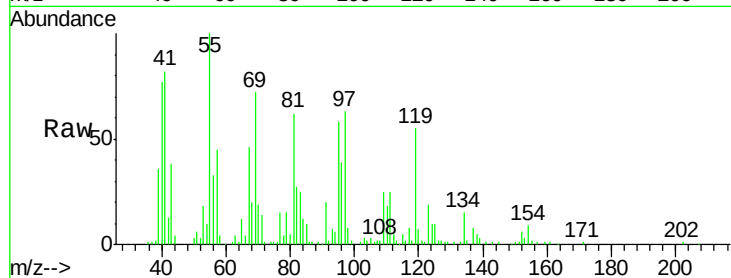




#86
 p-Isopropyltoluene
 Concen: 1.368 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

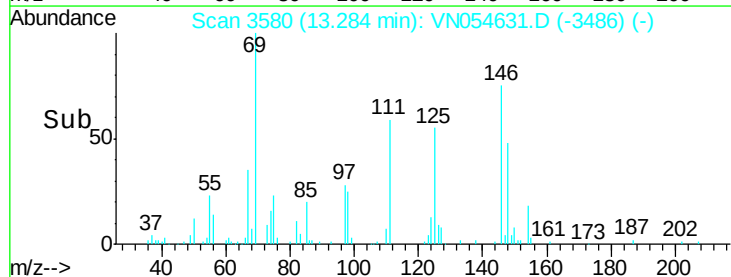
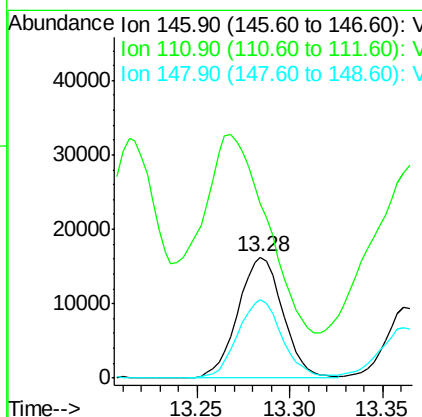
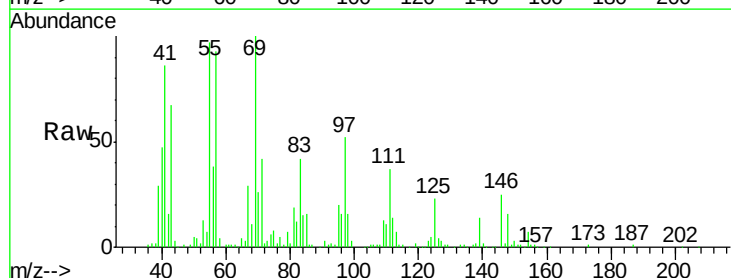
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(16-18)

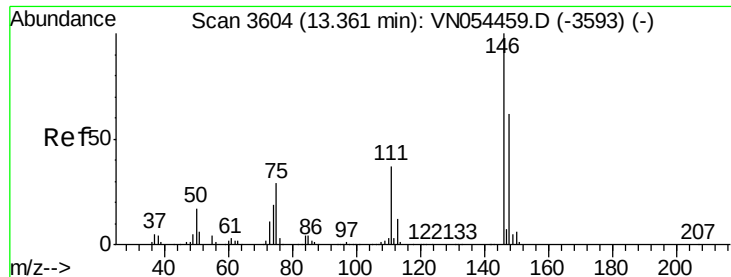
Tot Ion:119 Resp: 31998
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.6 40.8
 91 31.3 11.1 33.3



#87
 1,3-Dichlorobenzene
 Concen: 2.268 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

Tgt Ion:146 Resp: 27408
 Ion Ratio Lower Upper
 146 100
 111 233.6 18.8 56.3#
 148 63.8 32.2 96.6

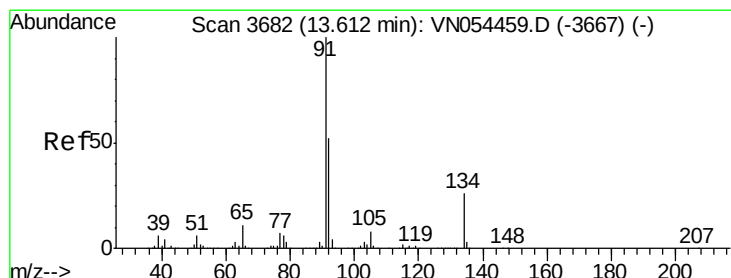
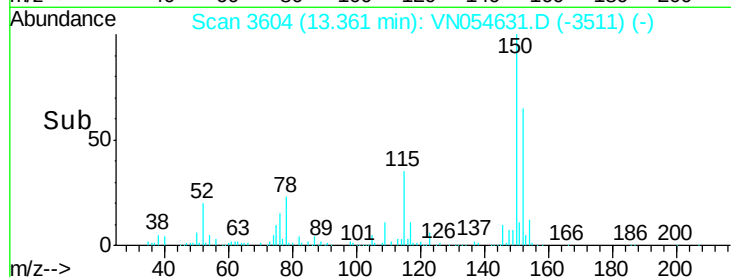
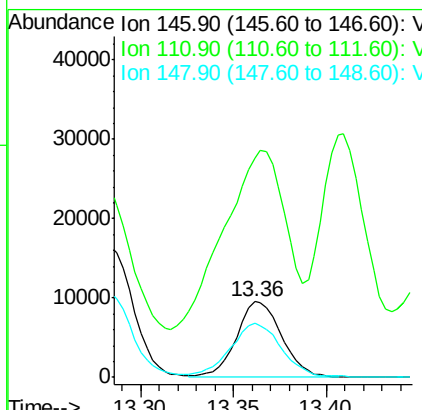
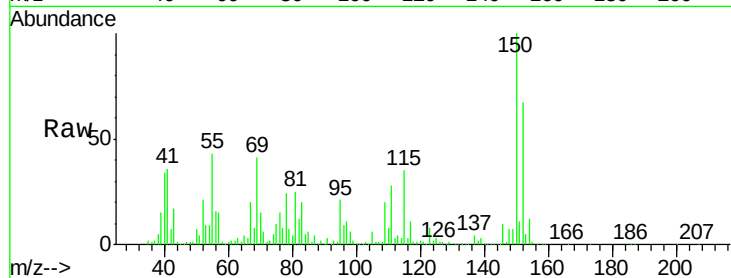




#88
 1,4-Dichlorobenzene
 Concen: 1.375 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

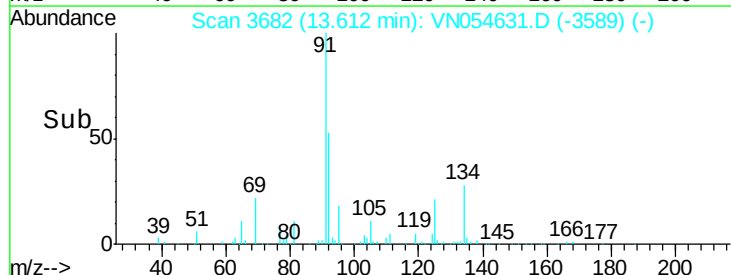
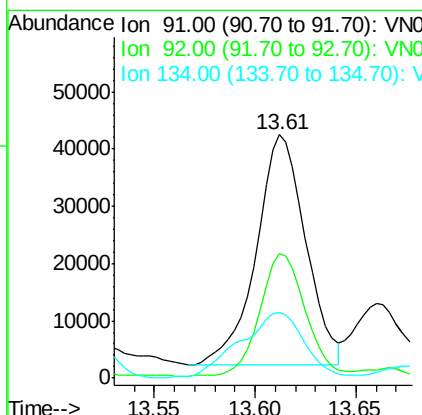
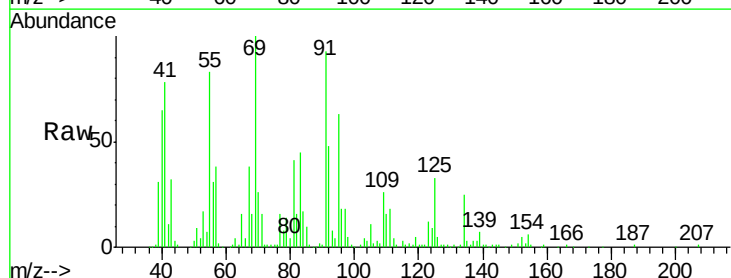
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB443-190319-(16-18)

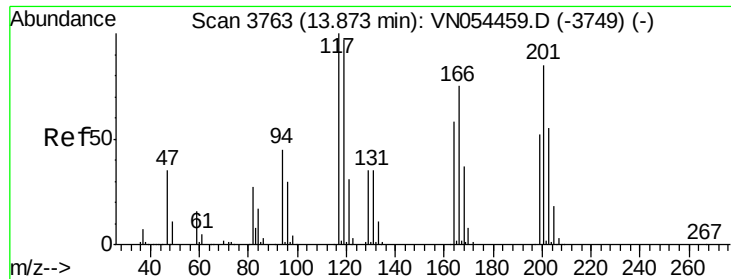
Tot Ion:146 Resp: 16164
 Ion Ratio Lower Upper
 146 100
 111 320.8 18.1 54.1#
 148 81.9 32.0 96.0



#89
 n-Butylbenzene
 Concen: 3.760 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054631.D
 Acq: 24 Mar 2019 4:20

Tgt Ion: 91 Resp: 68765
 Ion Ratio Lower Upper
 91 100
 92 48.8 26.2 78.6
 134 37.2 14.3 42.9





#90

Hexachloroethane

Concen: 5.448 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

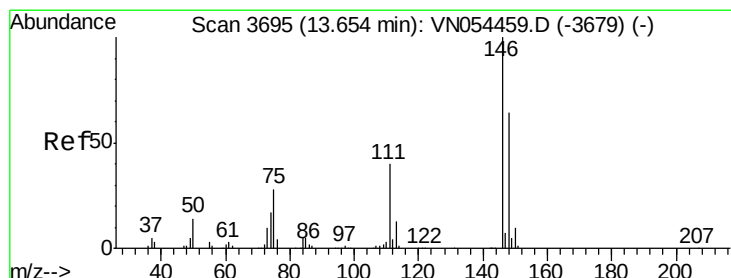
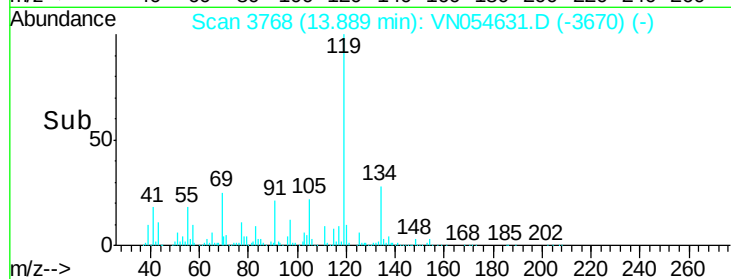
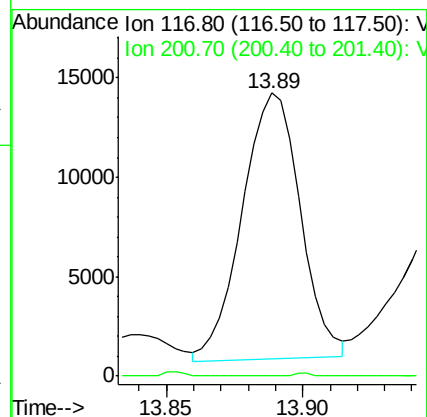
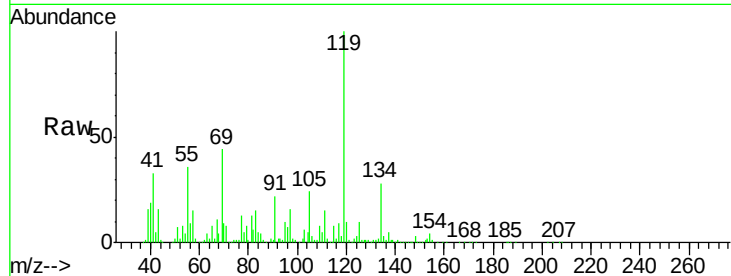
WP022SB443-190319-(16-18)

Tot Ion:117 Resp: 19779

Ion Ratio Lower Upper

117 100

201 0.3 48.1 144.4#



#91

1,2-Dichlorobenzene

Concen: 0.524 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

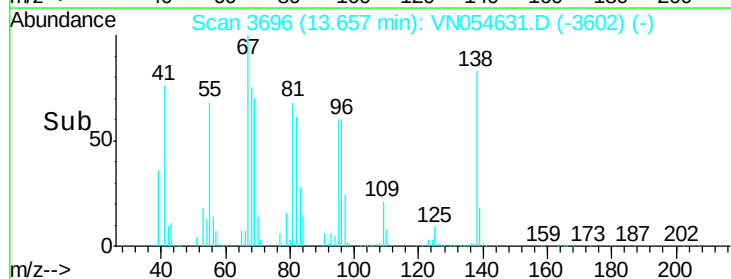
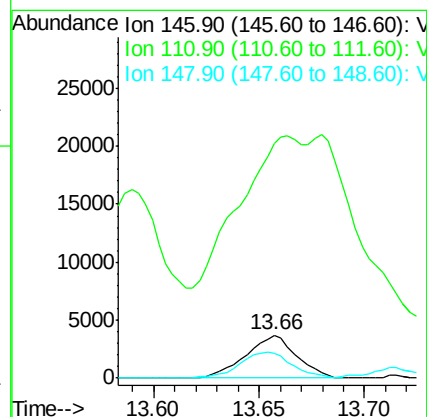
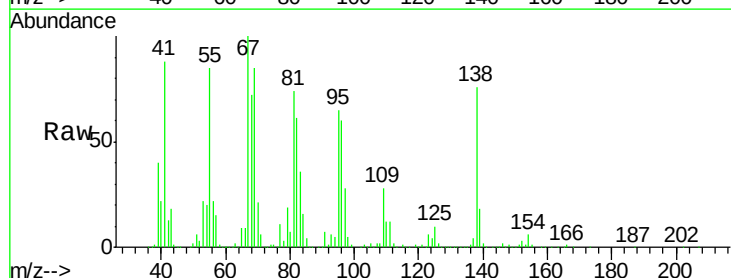
Tgt Ion:146 Resp: 6128

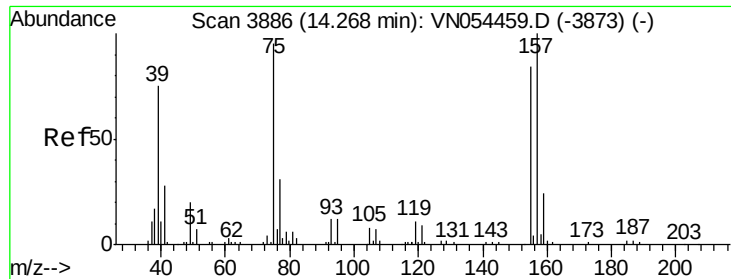
Ion Ratio Lower Upper

146 100

111 417.2 19.1 57.3#

148 63.2 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.367 ug/l

RT: 14.08 min Scan# 3826

Delta R.T. -0.19 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB443-190319-(16-18)

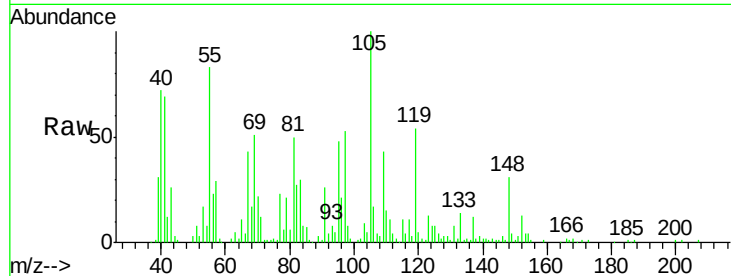
Tot Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

155 105.8 50.1 150.3

157 74.2 63.1 189.3

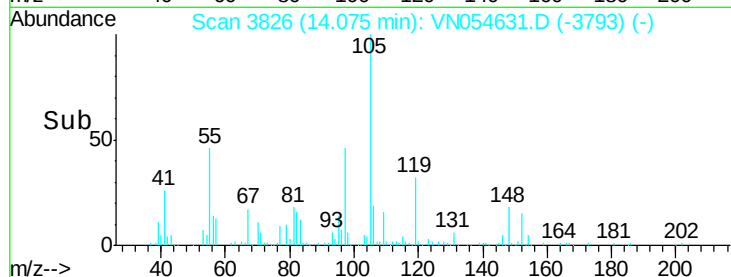


Abundance Ion 74.90 (74.60 to 75.60): VN0

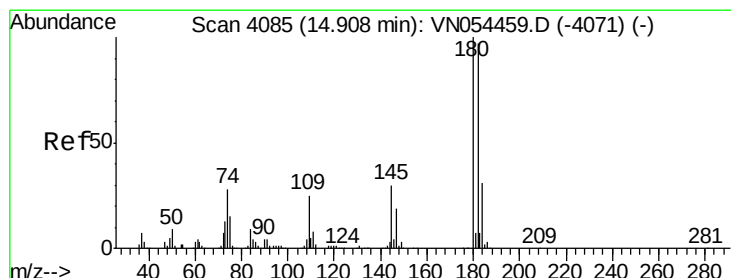
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.955 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

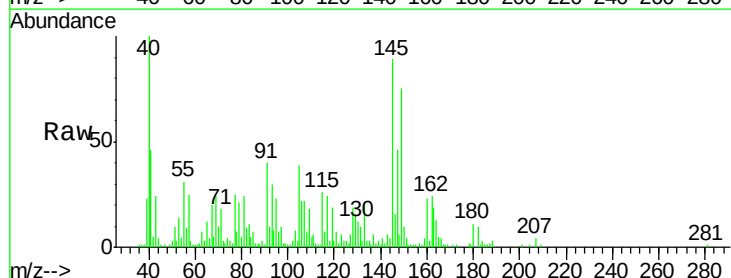
Tgt Ion:180 Resp: 5573

Ion Ratio Lower Upper

180 100

182 91.0 48.0 144.2

145 1063.1 14.2 42.8#

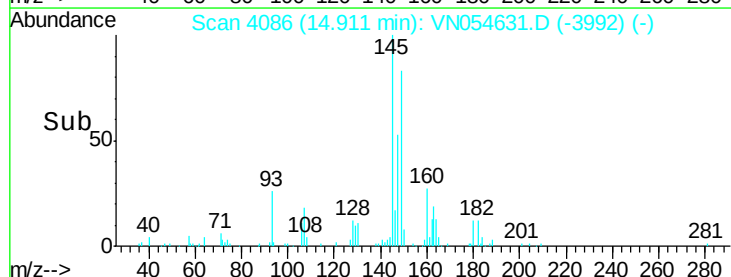


Abundance Ion 179.80 (179.50 to 180.50): V

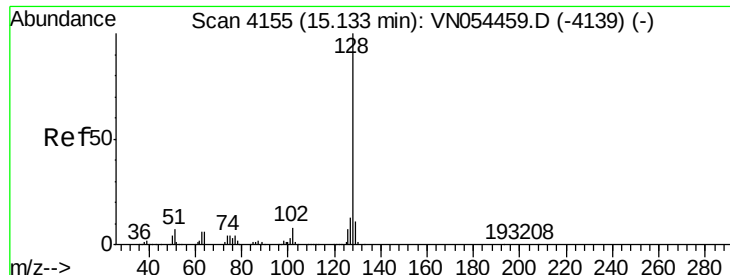
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

Time-->



Time-->



#95

Naphthalene

Concen: 0.689 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054631.D

Acq: 24 Mar 2019 4:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB443-190319-(16-18)

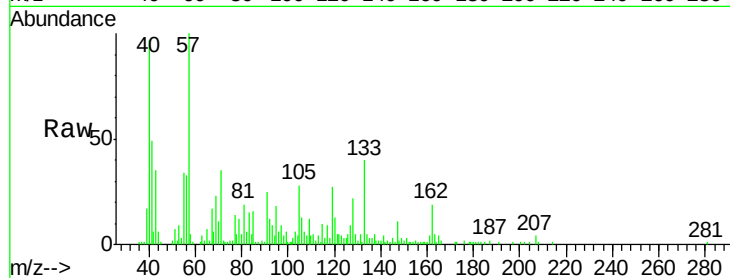
Tot Ion:128 Resp: 8967

Ion Ratio Lower Upper

128 100

127 62.6 10.1 15.1#

129 0.0 8.7 13.1#

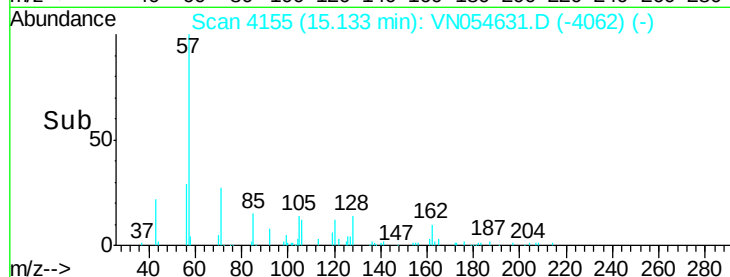


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->



Time-->