

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032419\
 Data File : VN054646.D
 Acq On : 24 Mar 2019 14:22
 Operator : JC/SP
 Sample : K2047-08
 Misc : 6.55µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:12:57 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	552391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	871905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	742667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	315131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	346617	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	7.59	113	261142	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.09	98	1061487	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	337793	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds

					Qvalue	
4) Vinyl Chloride	2.19	62	2351	0.326	ug/l	98
11) Tert butyl alcohol	4.74	59	232	0.558	ug/l #	70
13) Acrolein	3.62	56	142	0.247	ug/l #	9
16) Acetone	3.82	43	418	0.202	ug/l #	38
18) Methyl Acetate	4.33	43	2400	0.521	ug/l #	64
20) Methylene Chloride	4.54	84	3752	0.616	ug/l #	78
29) Tetrahydrofuran	7.22	42	368	0.214	ug/l #	30
31) Cyclohexane	7.63	56	10021	Below Cal	#	63
36) 1,1-Dichloropropene	7.66	75	41531	5.094	ug/l #	48
38) Carbon Tetrachloride	7.67	117	51376	6.485	ug/l #	15
39) Methylcyclohexane	9.08	83	41848	4.488	ug/l #	81
40) Benzene	8.04	78	4799	0.206	ug/l	97
43) Isopropyl Acetate	8.15	43	5897	0.602	ug/l #	60
48) Methyl methacrylate	9.21	41	3181	0.599	ug/l #	21
51) 4-Methyl-2-Pentanone	10.02	43	8046	1.483	ug/l #	86
53) t-1,3-Dichloropropene	10.25	75	104	2.244	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	9944	1.929	ug/l #	26
56) Ethyl methacrylate	10.43	69	4737	0.685	ug/l #	1
59) 2-Hexanone	10.72	43	26891	7.586	ug/l #	28
65) Chlorobenzene	11.43	112	709143	46.948	ug/l	99
71) Bromoform	12.38	173	169	2.264	ug/l #	28
73) Isopropylbenzene	12.25	105	7755	0.305	ug/l	96
74) N-amyl acetate	12.04	43	79000	10.819	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	13646	2.354	ug/l #	79
76) 1,2,3-Trichloropropane	12.40	75	173670	34.730	ug/l #	100
78) n-propylbenzene	12.59	91	14000	0.508	ug/l	97
79) 2-Chlorotoluene	12.68	91	8657	0.504	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	173670	115.302	ug/l #	11
82) 4-Chlorotoluene	12.68	91	8657	0.520	ug/l	93
83) tert-Butylbenzene	12.99	119	9312	0.514	ug/l	85
84) 1,2,4-Trimethylbenzene	12.89	105	33806	1.655	ug/l	73
85) sec-Butylbenzene	13.17	105	30614	1.356	ug/l	100
86) p-Isopropyltoluene	13.44	119	16001	0.792	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	20295	1.945	ug/l #	67

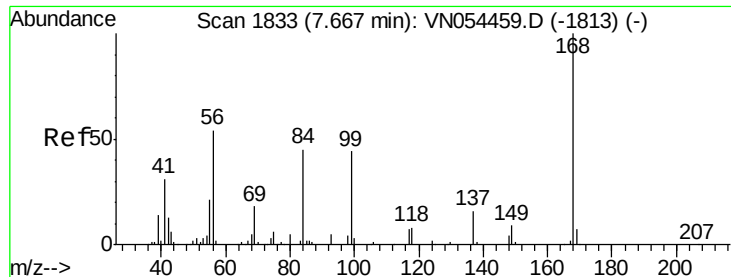
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032419\
Data File : VN054646.D
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.36	146	44765	4.408	ug/l #	80
89) n-Butylbenzene	13.61	91	27836	1.762	ug/l	91
90) Hexachloroethane	13.89	117	691	0.220	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	60328	5.968	ug/l #	79
92) 1,2-Dibromo-3-Chloropropan	14.29	75	307	0.361	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1110	0.220	ug/l #	1

(#) = 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: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

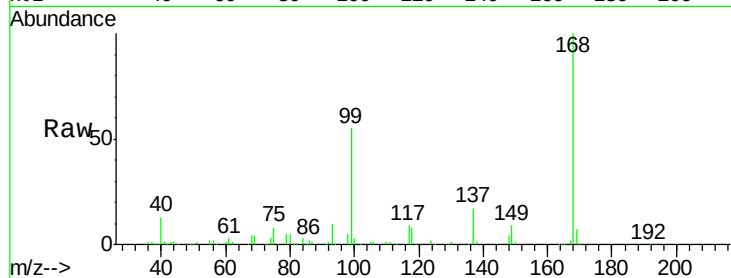
ClientSampled :

Tot Ion:168 Resp: 552391

Ion Ratio Lower Upper

168 100

99 55.3 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

200000

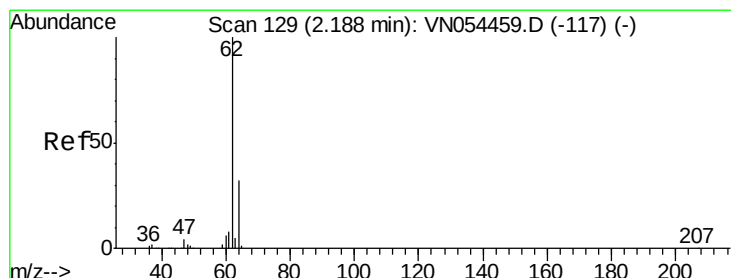
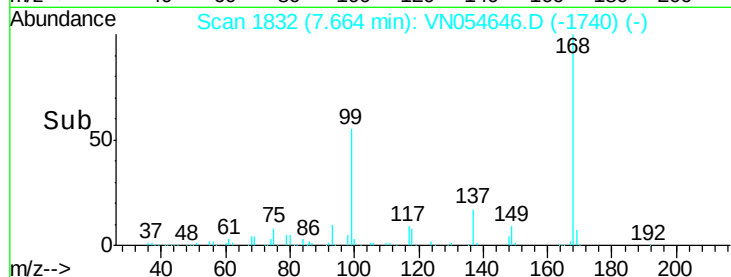
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.326 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054646.D

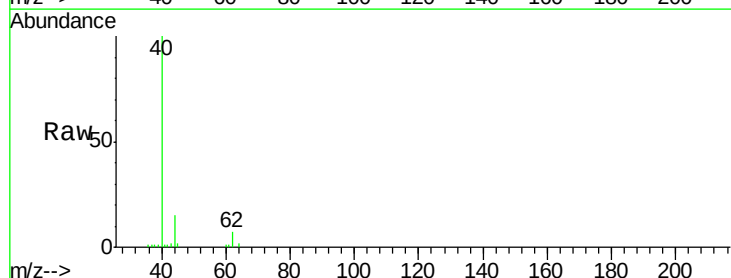
Acq: 24 Mar 2019 14:22

Tgt Ion: 62 Resp: 2351

Ion Ratio Lower Upper

62 100

64 30.6 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

2000

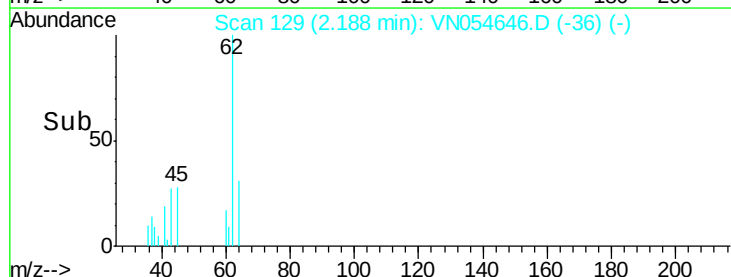
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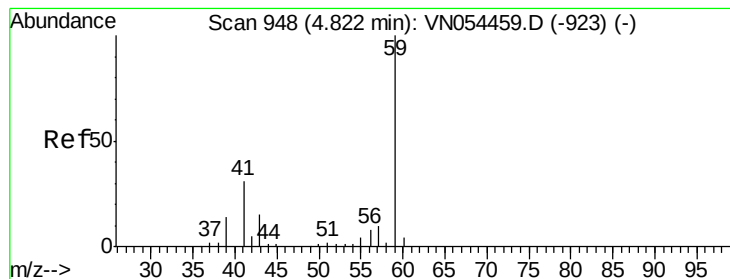
1000

500

0

Time-->



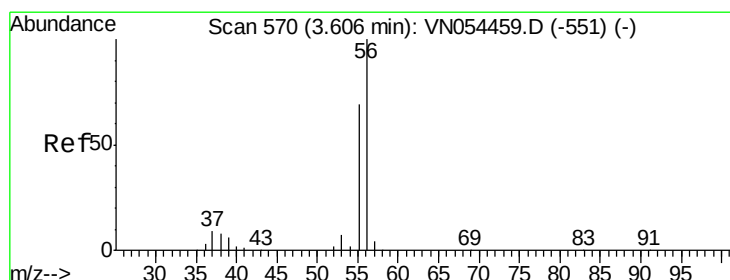
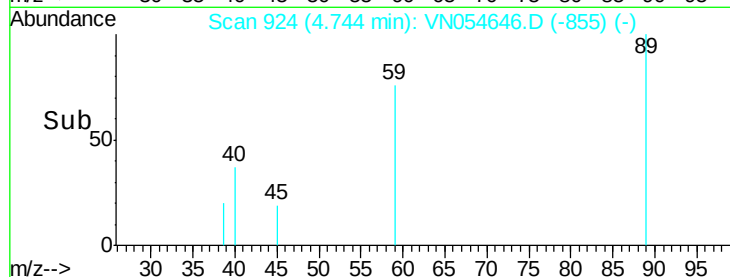
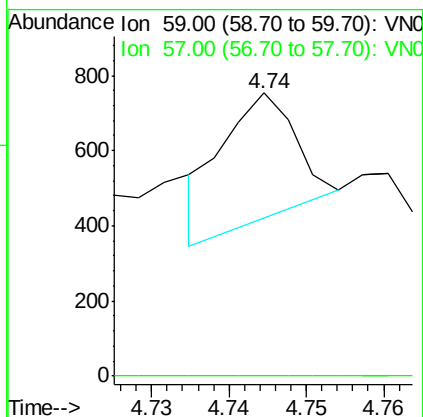
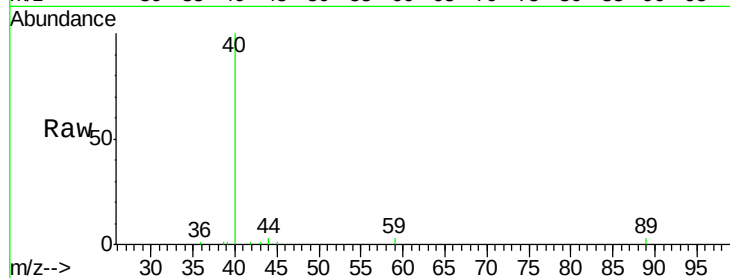


#11

Tert butyl alcohol
 Concen: 0.558 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.08 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Instrument :
 MSVOA_N
 ClientSampled :

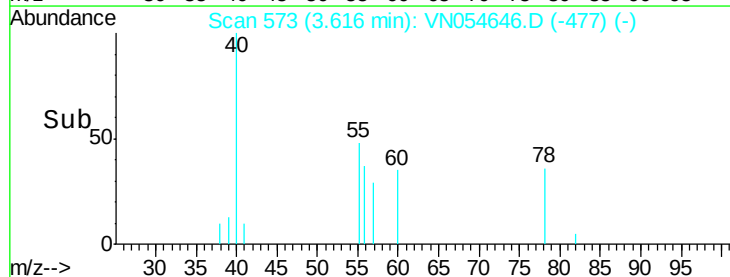
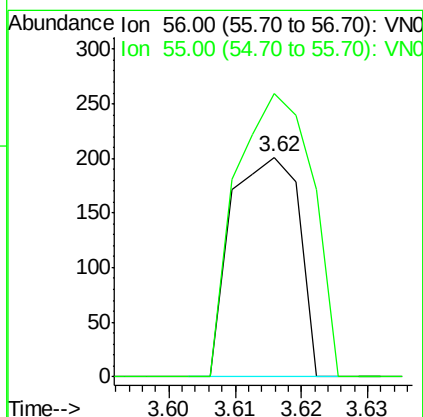
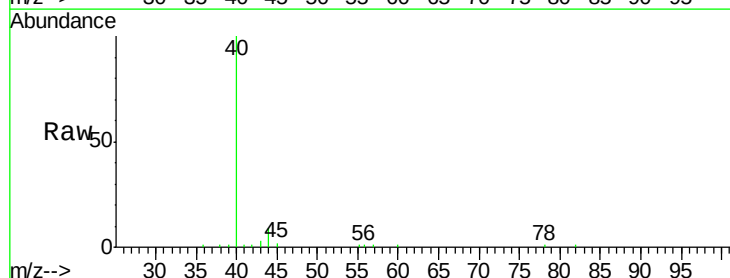
Tot Ion: 59 Resp: 232
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

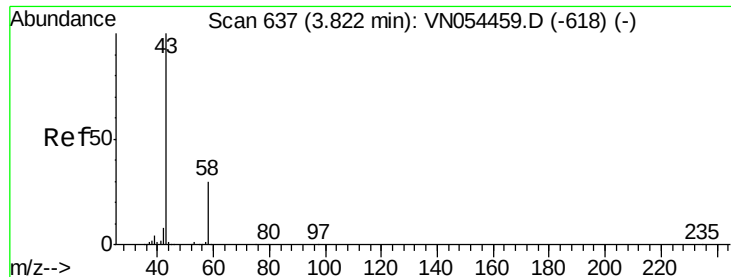


#13

Acrolein
 Concen: 0.247 ug/l
 RT: 3.62 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Tgt Ion: 56 Resp: 142
 Ion Ratio Lower Upper
 56 100
 55 145.8 56.7 85.1#





#16

Acetone

Concen: 0.202 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

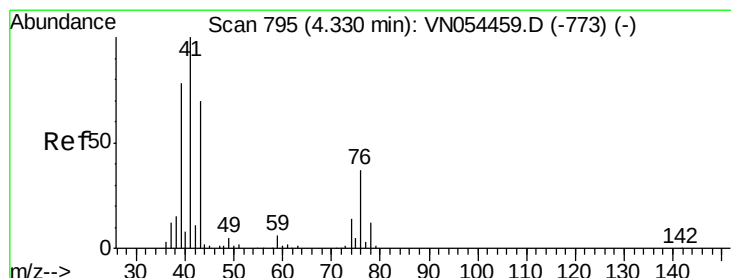
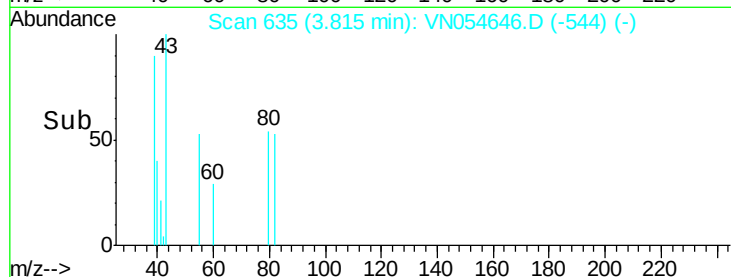
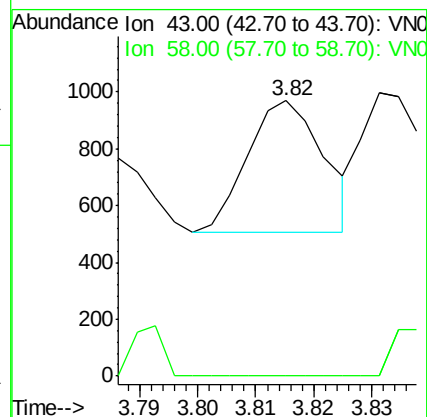
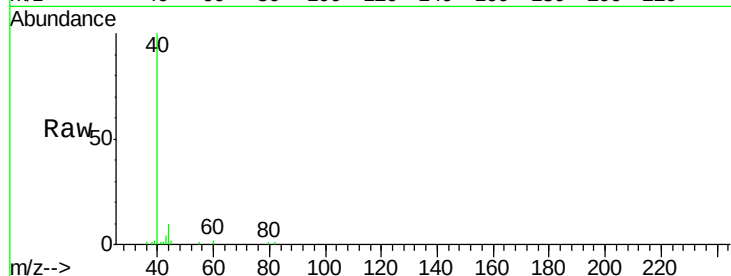
ClientSampled :

Tot Ion: 43 Resp: 418

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



#18

Methyl Acetate

Concen: 0.521 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054646.D

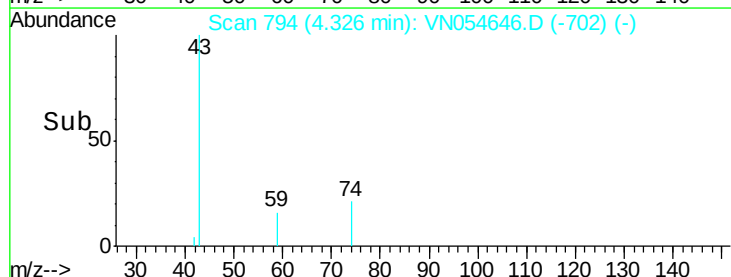
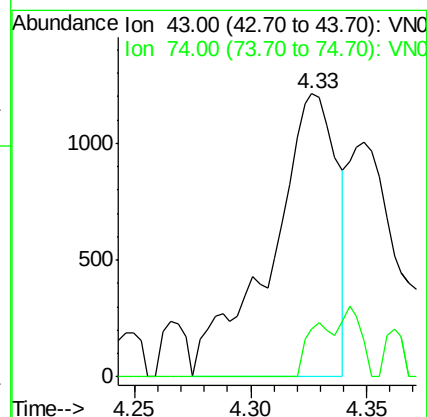
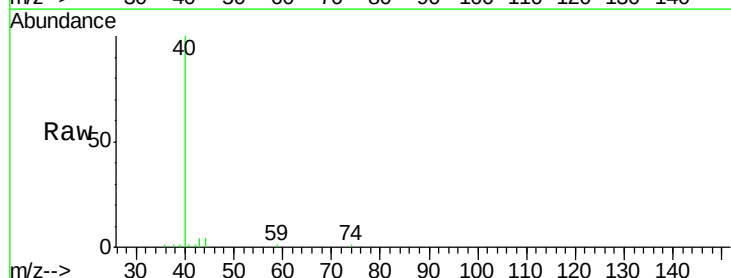
Acq: 24 Mar 2019 14:22

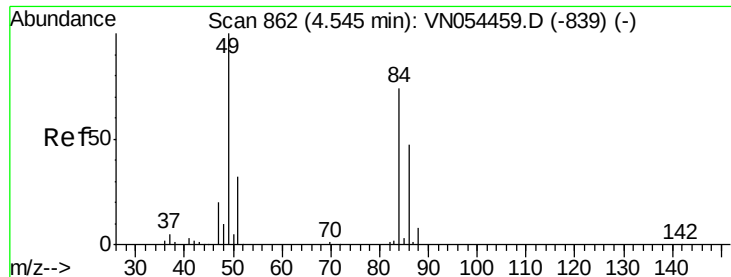
Tgt Ion: 43 Resp: 2400

Ion Ratio Lower Upper

43 100

74 7.8 20.8 31.2#

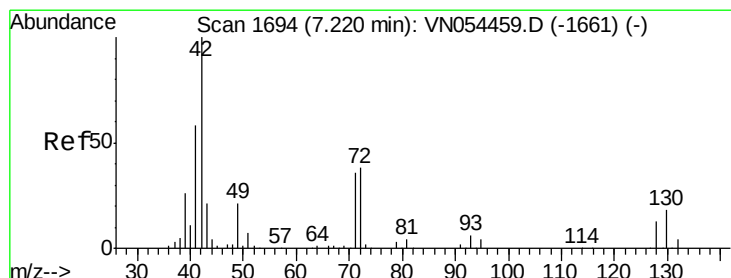
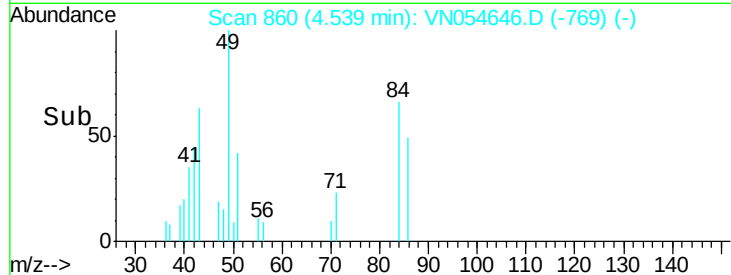
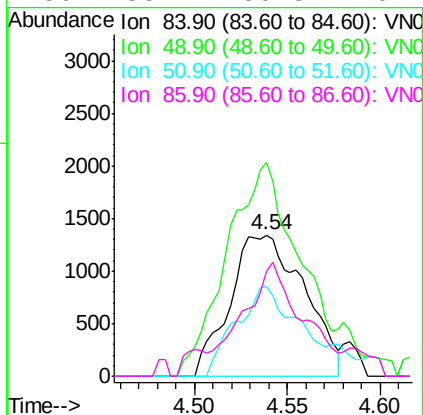
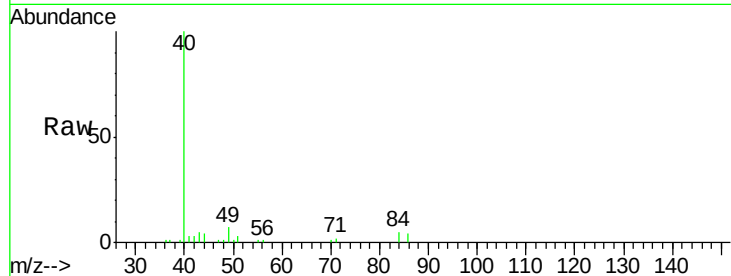




#20
Methvlene Chloride
Concen: 0.616 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

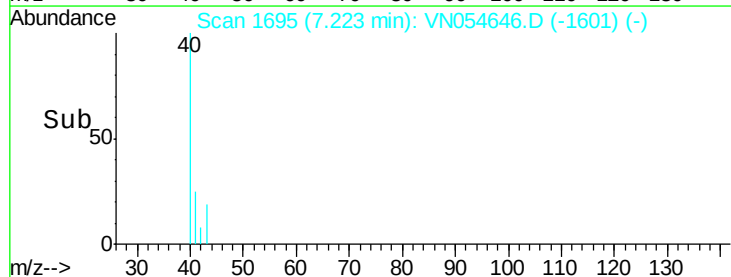
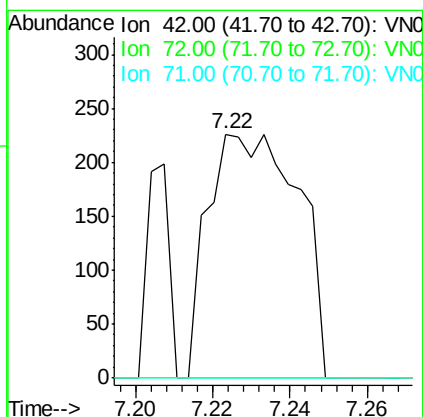
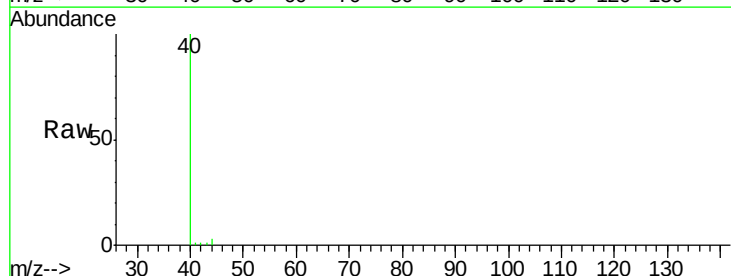
Instrument :
MSVOA_N
ClientSampled :

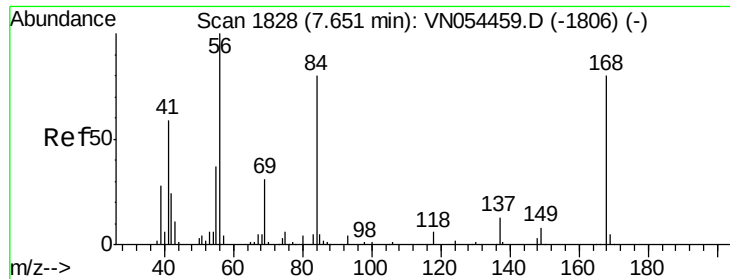
Tot Ion: 84 Resp: 3752
Ion Ratio Lower Upper
84 100
49 136.4 89.7 134.5#
51 63.3 28.2 42.4#
86 58.4 50.8 76.2



#29
Tetrahydrofuran
Concen: 0.214 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

Tgt Ion: 42 Resp: 368
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1823

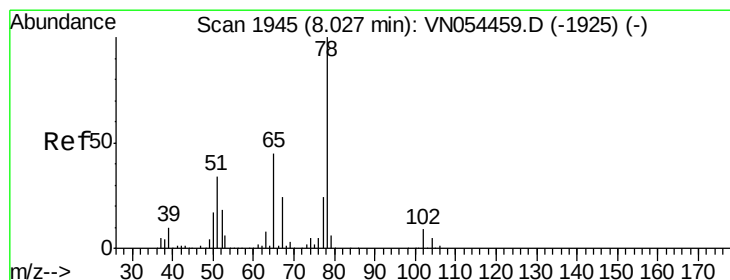
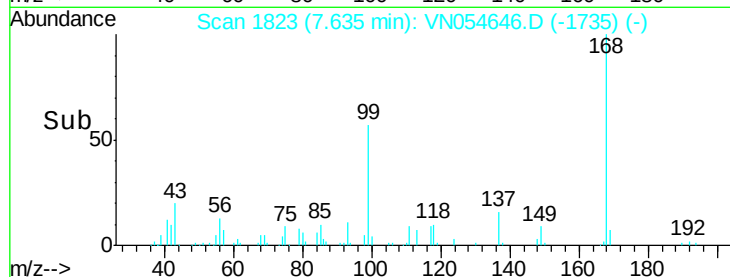
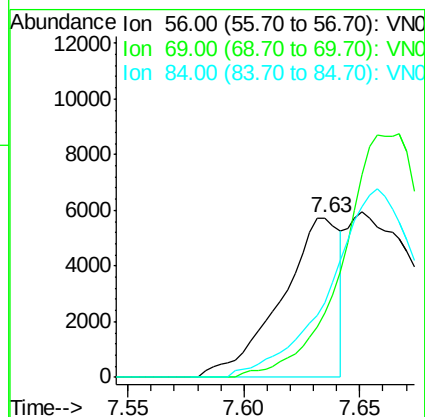
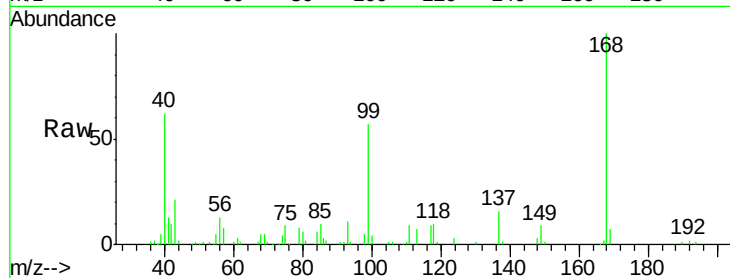
Delta R.T. -0.02 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 10021
Ion Ratio Lower Upper
56 100
69 40.2 27.8 41.6
84 47.3 74.6 111.8#



#33

1,2-Dichloroethane-d4

Concen: 50.447 ug/l

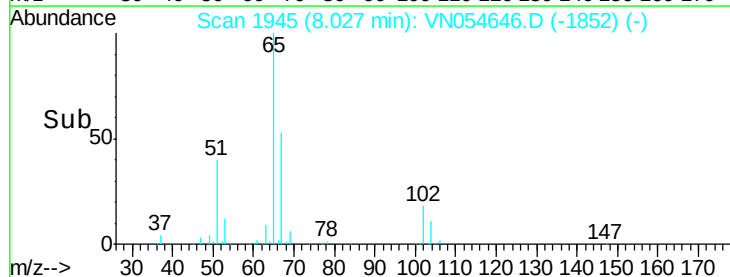
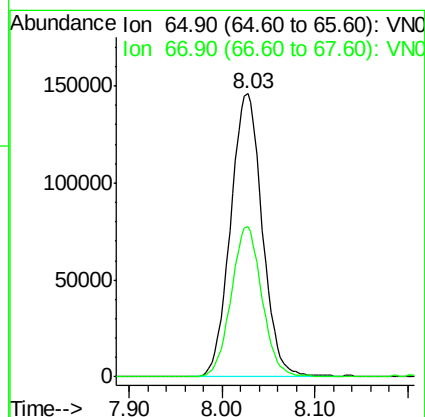
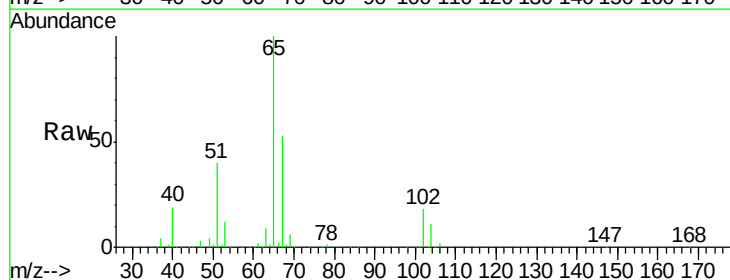
RT: 8.03 min Scan# 1945

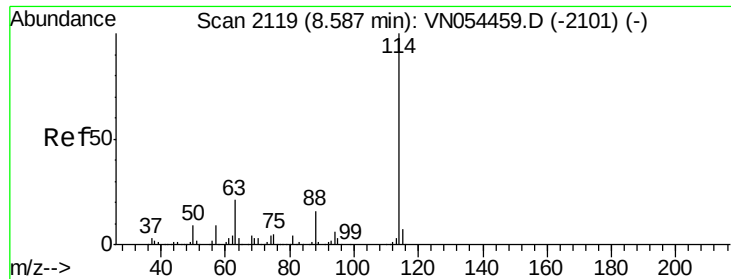
Delta R.T. 0.00 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Tgt Ion: 65 Resp: 346617
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

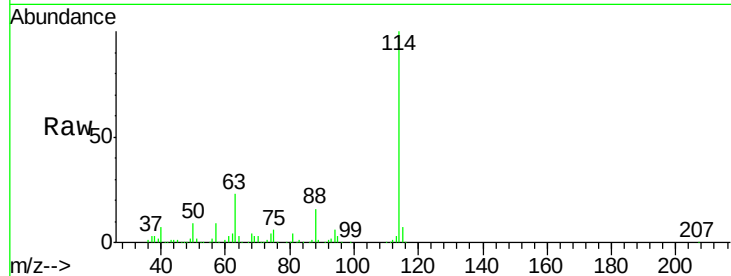




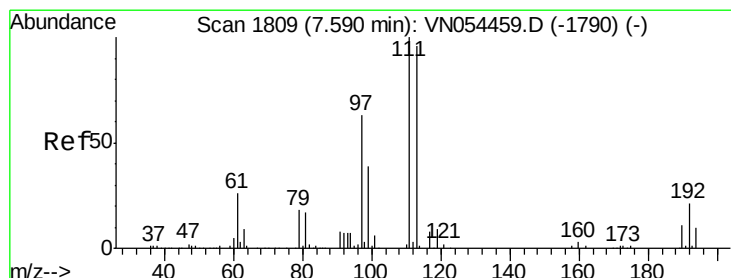
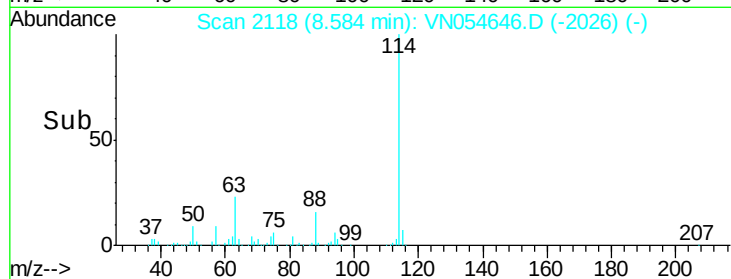
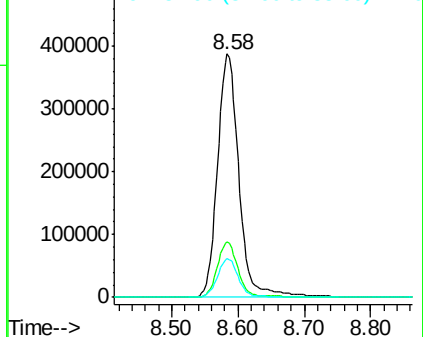
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	35.2
88	15.8	0.0	30.2

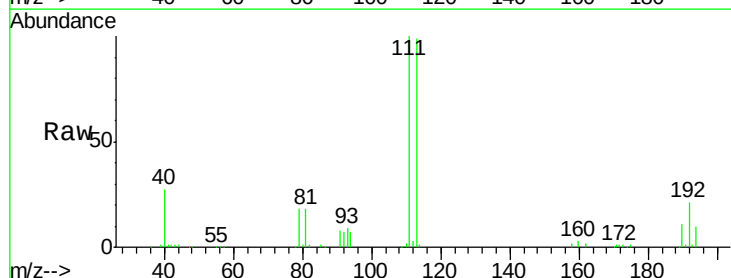


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

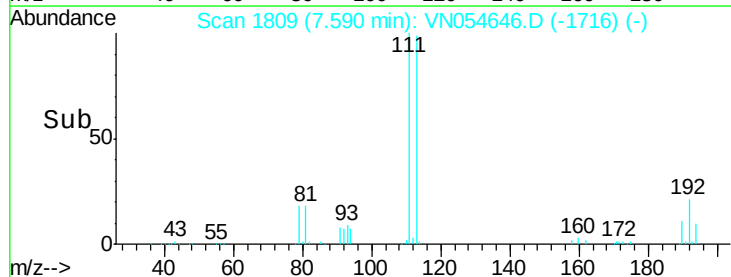
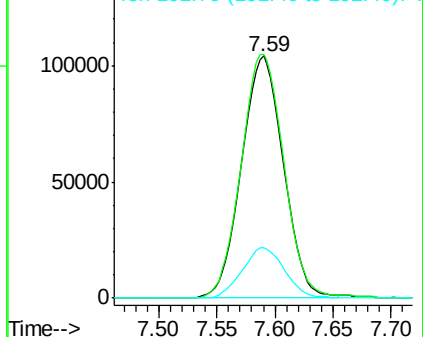


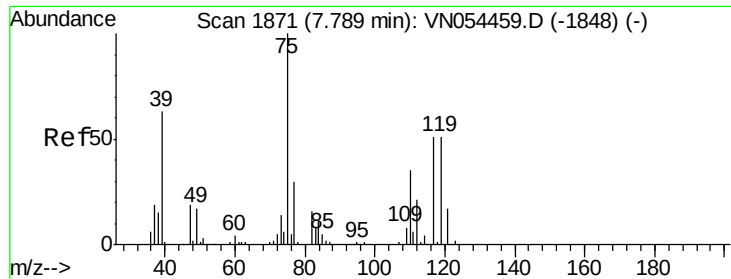
#35
 Dibromofluoromethane
 Concen: 46.489 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	21.1	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

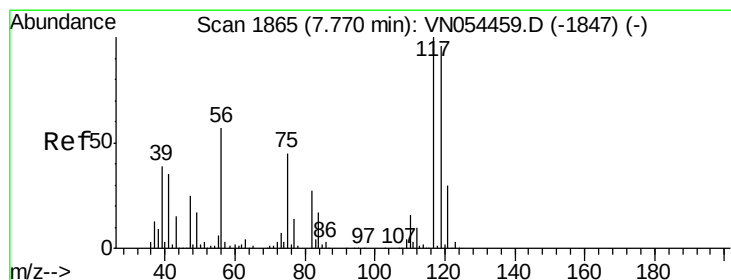
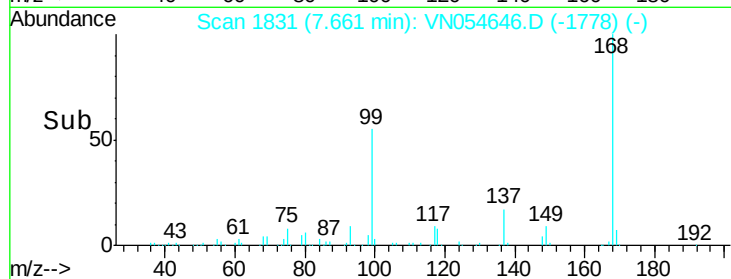
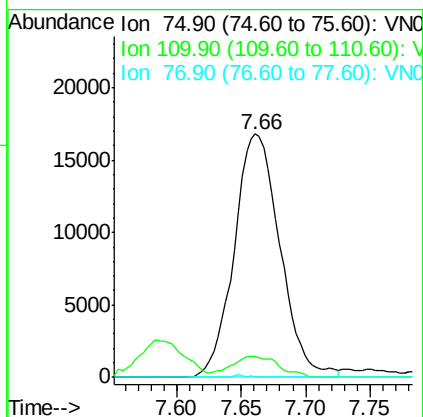
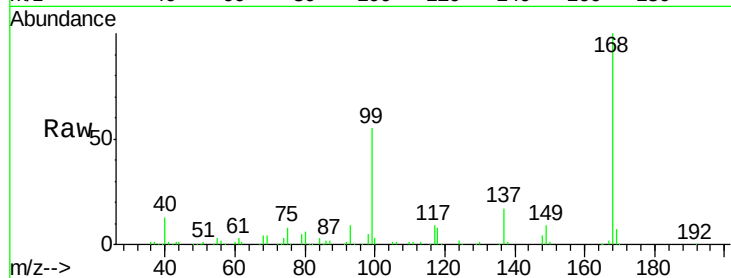




#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

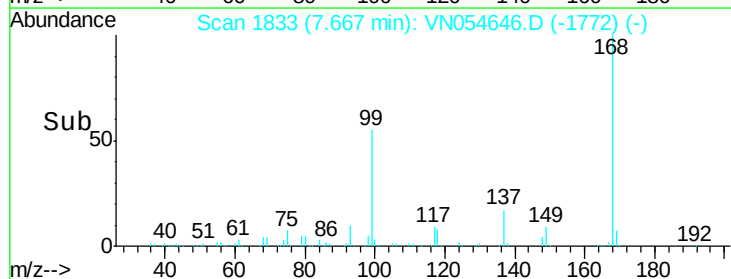
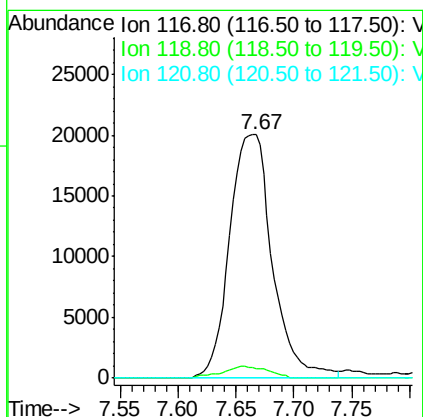
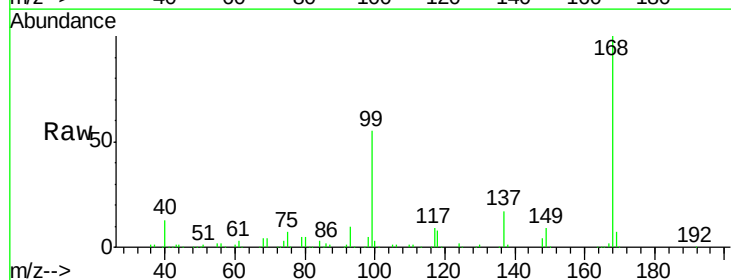
Instrument :
 MSVOA_N
 ClientSampleId :

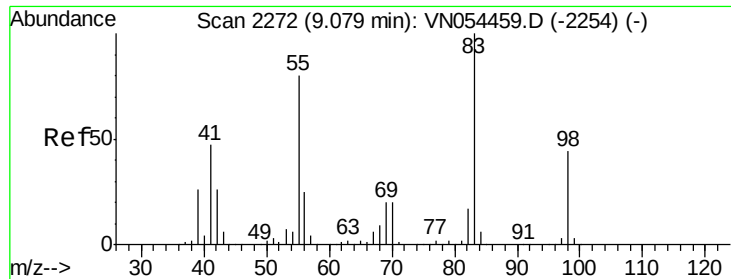
Tot Ion	75	Resp	41531
Ion Ratio	100	Lower	Upper
75	100		
110	9.1	19.1	57.5#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.485 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Tgt Ion	117	Resp	51376
Ion Ratio	100	Lower	Upper
117	100		
119	4.0	76.3	114.5#
121	0.0	24.6	36.8#

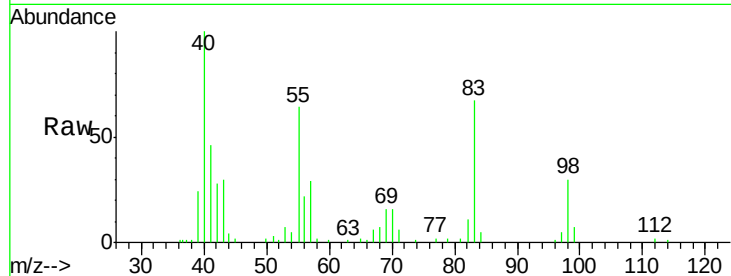




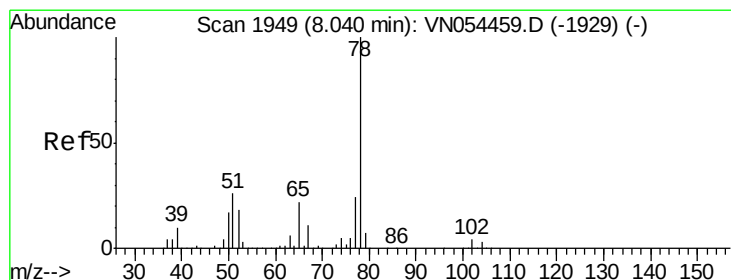
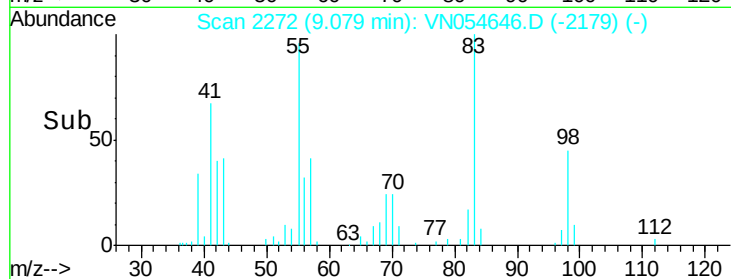
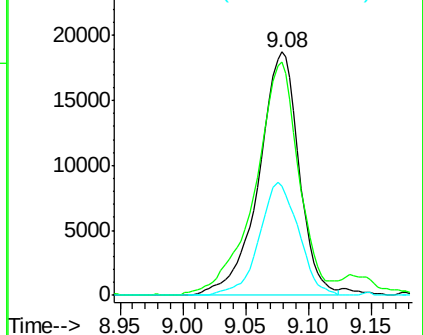
#39
Methylvlcyclohexane
Concen: 4.488 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 41848
Ion Ratio Lower Upper
83 100
55 94.7 56.6 84.8#
98 45.1 38.4 57.6

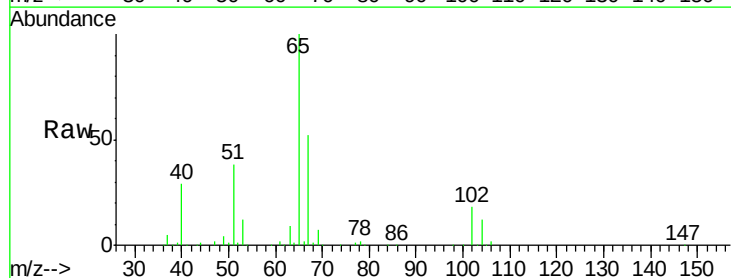


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

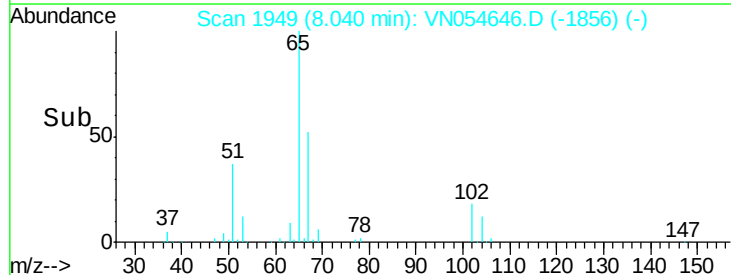
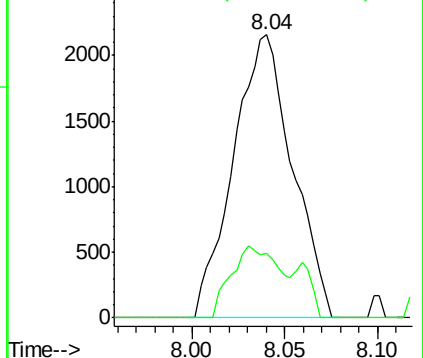


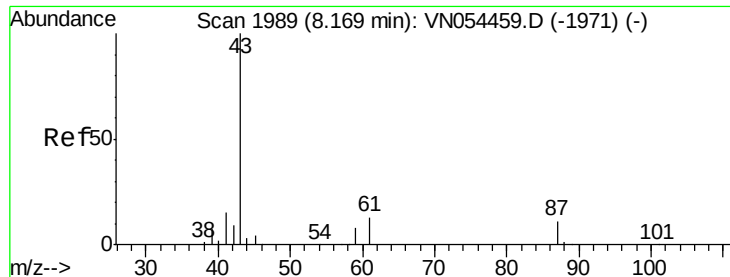
#40
Benzene
Concen: 0.206 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

Tgt Ion: 78 Resp: 4799
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 0.602 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

ClientSampleId :

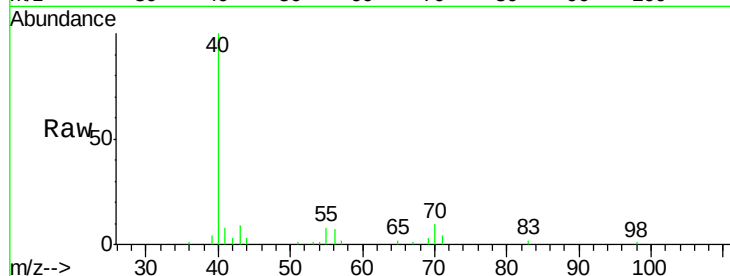
Tot Ion: 43 Resp: 5897

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

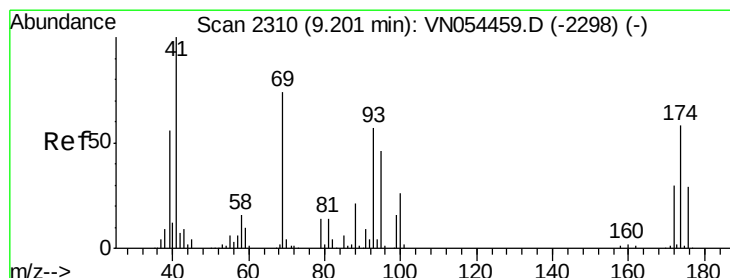
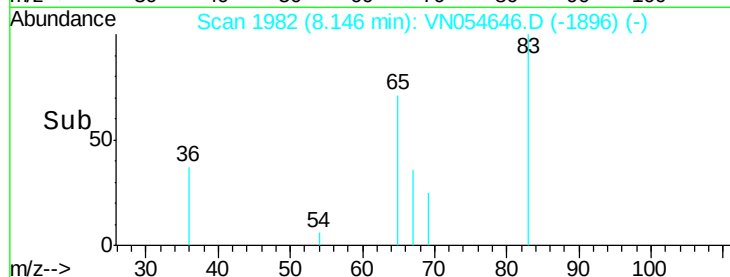
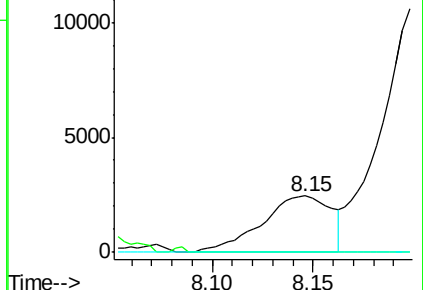
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 0.599 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

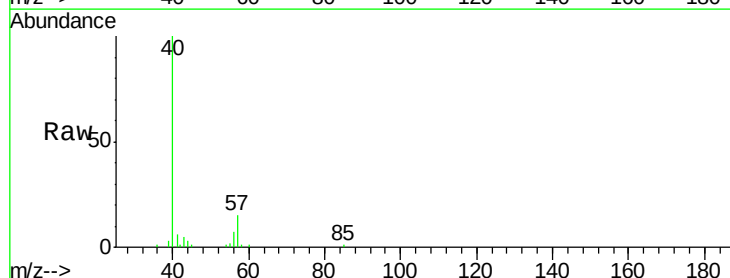
Tgt Ion: 41 Resp: 3181

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

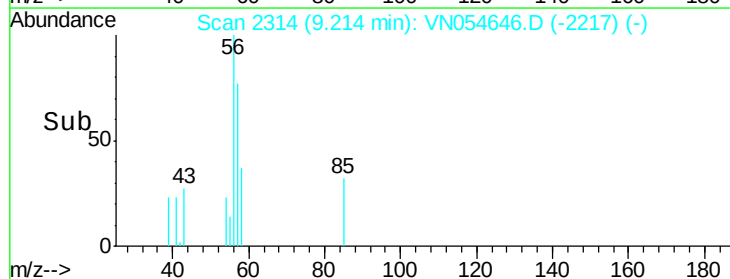
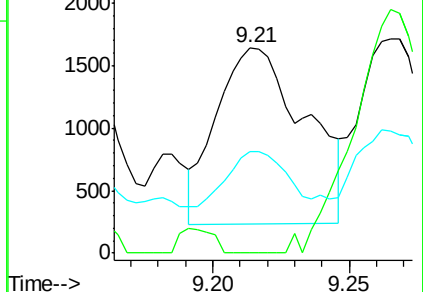
39 19.9 47.5 71.3#

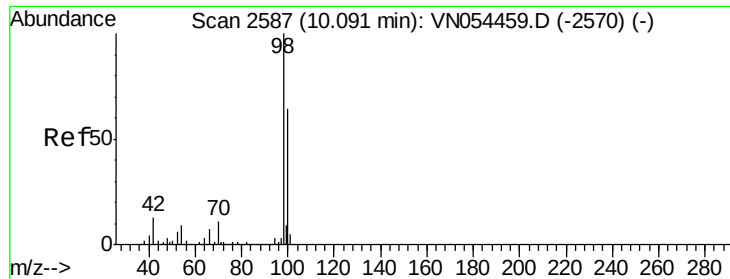


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

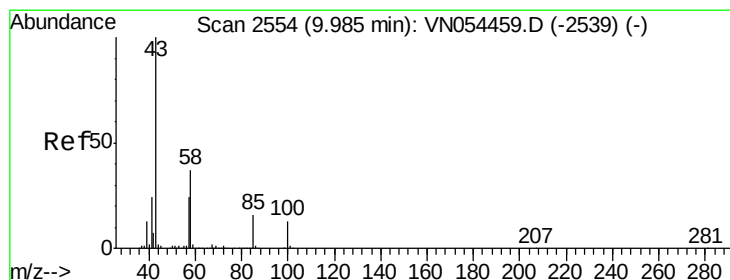
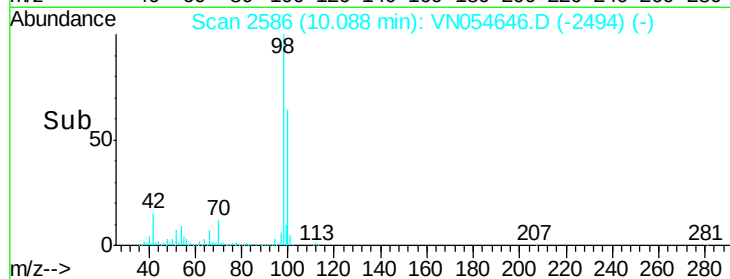
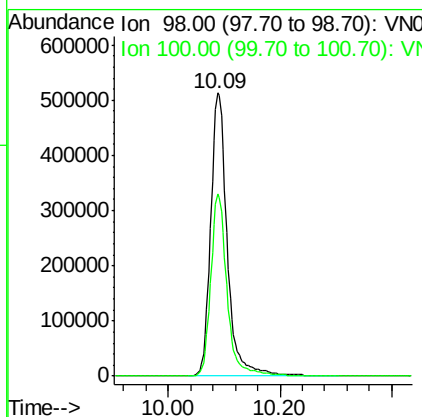
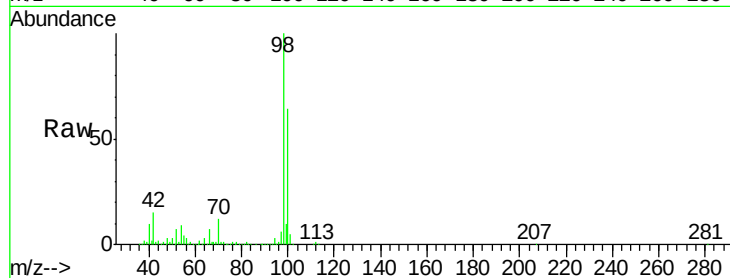




#50
Toluene-d8
Concen: 50.266 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

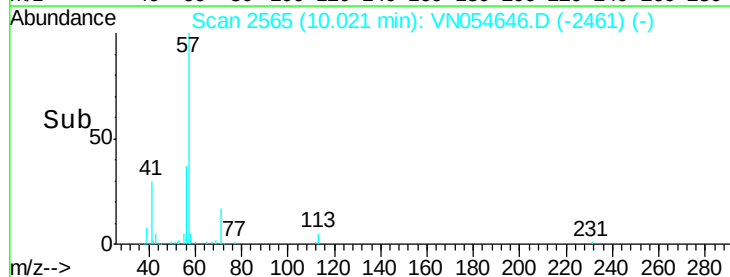
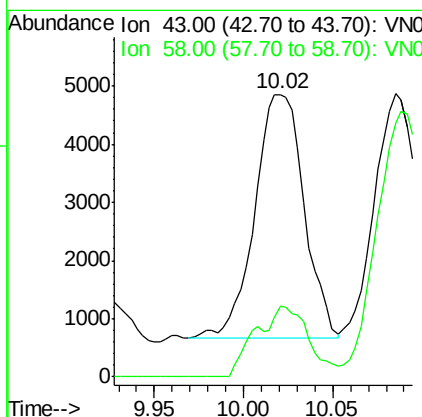
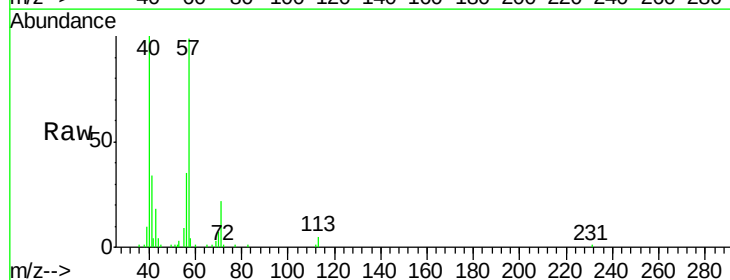
Instrument :
MSVOA_N
ClientSampleId :

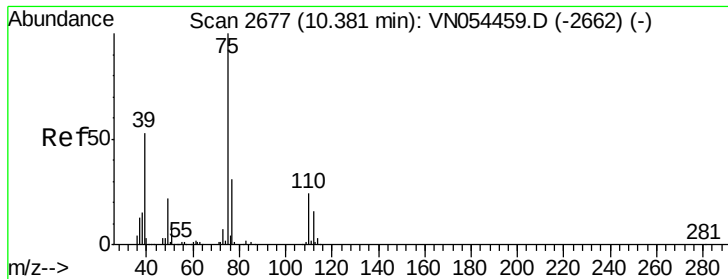
Tot Ion: 98 Resp: 1061487
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.483 ug/l
RT: 10.02 min Scan# 2565
Delta R.T. 0.04 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

Tgt Ion: 43 Resp: 8046
Ion Ratio Lower Upper
43 100
58 31.2 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 2.244 ug/l

RT: 10.25 min Scan# 2635

Delta R.T. -0.13 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

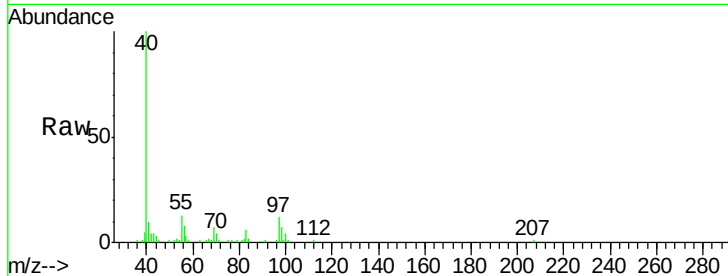
ClientSampleId :

Tot Ion: 75 Resp: 104

Ion Ratio Lower Upper

75 100

77 94.7 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

250

200

150

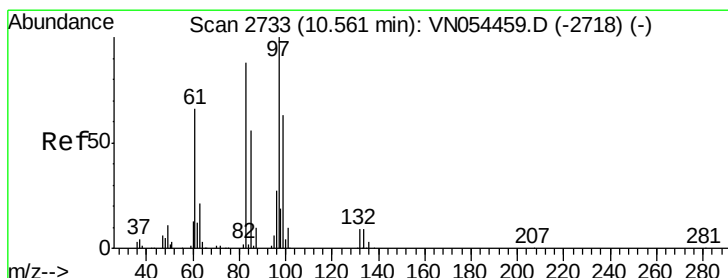
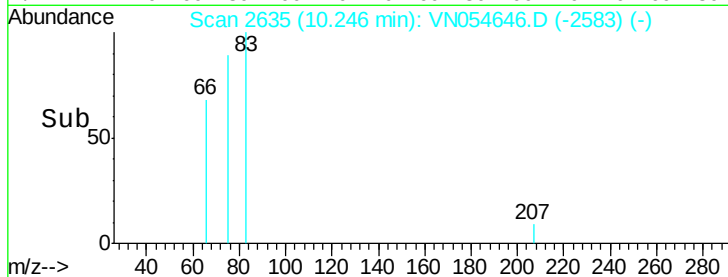
100

50

0

10.23 10.24 10.25 10.26

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.929 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Tgt Ion: 97 Resp: 9944

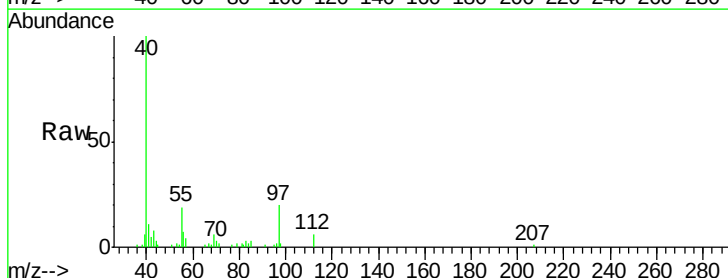
Ion Ratio Lower Upper

97 100

83 9.3 66.6 100.0#

85 16.7 44.4 66.6#

99 0.0 50.8 76.2#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

8000

6000

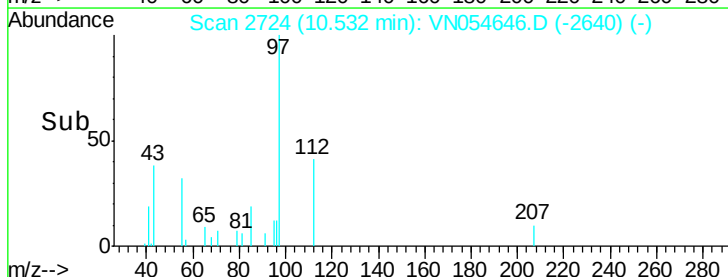
4000

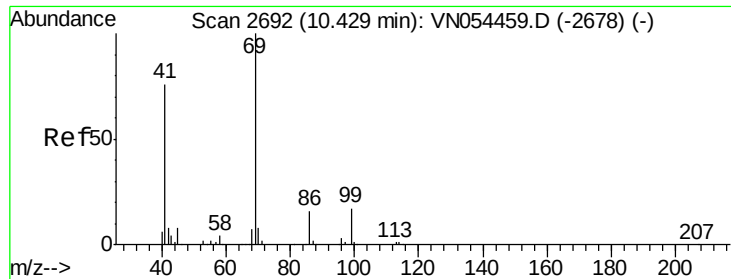
2000

0

10.45 10.50 10.55

Time-->





#56

Ethyl methacrylate

Concen: 0.685 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

ClientSampled :

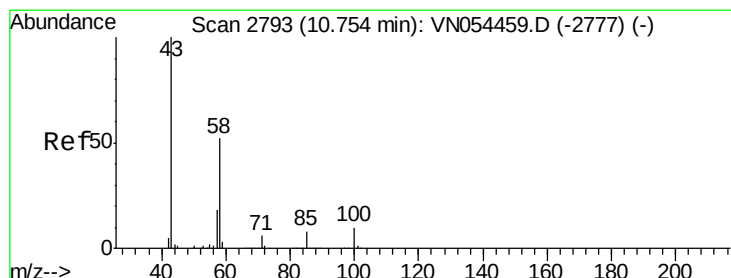
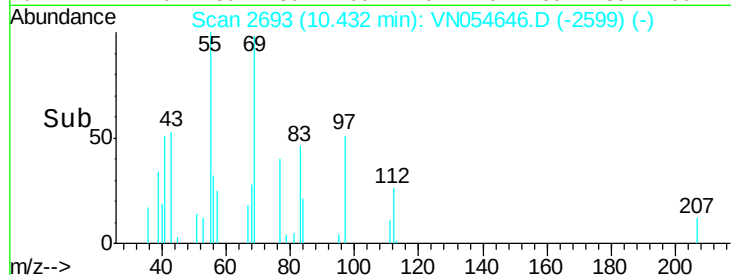
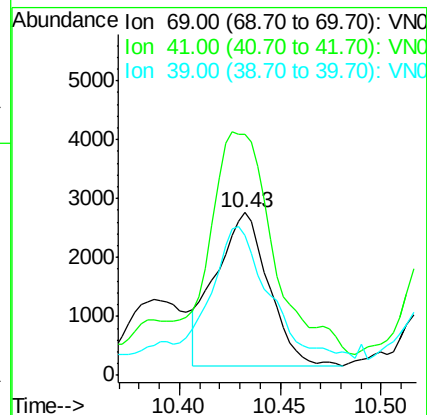
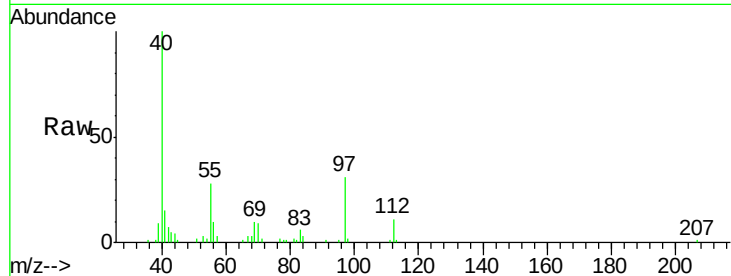
Tot Ion: 69 Resp: 4737

Ion Ratio Lower Upper

69 100

41 170.3 49.4 74.2#

39 99.0 28.3 42.5#



#59

2-Hexanone

Concen: 7.586 ug/l

RT: 10.72 min Scan# 2781

Delta R.T. -0.04 min

Lab File: VN054646.D

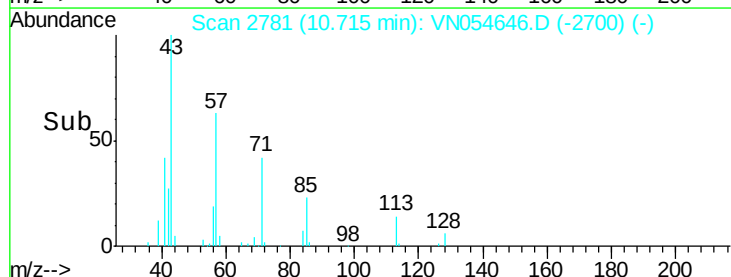
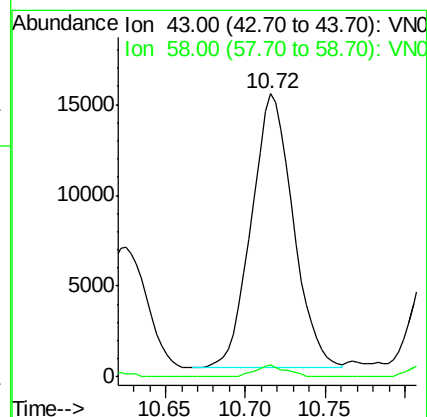
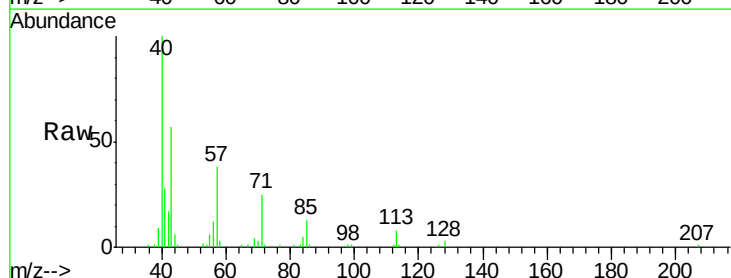
Acq: 24 Mar 2019 14:22

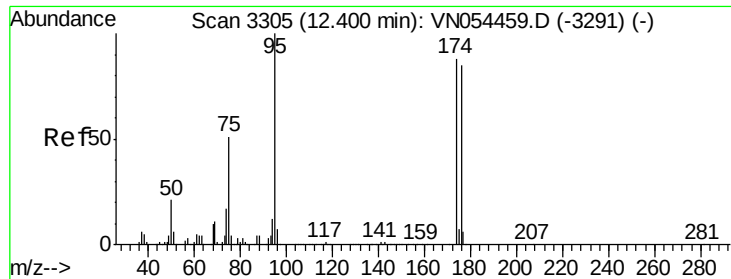
Tgt Ion: 43 Resp: 26891

Ion Ratio Lower Upper

43 100

58 3.2 28.0 83.9#

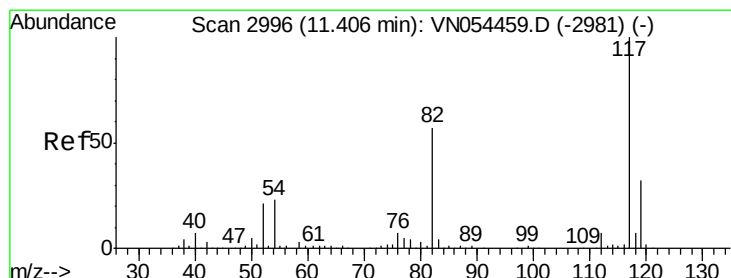
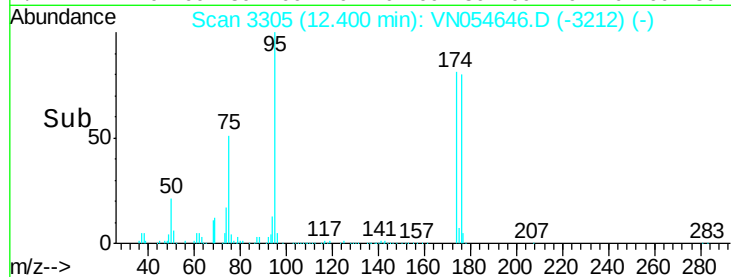
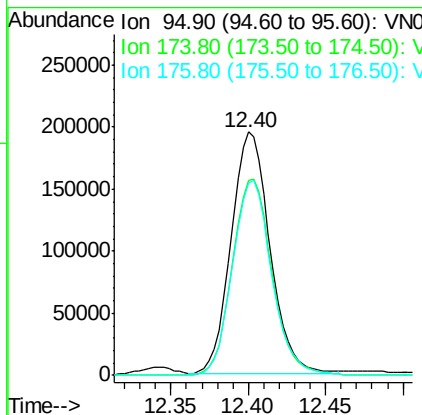
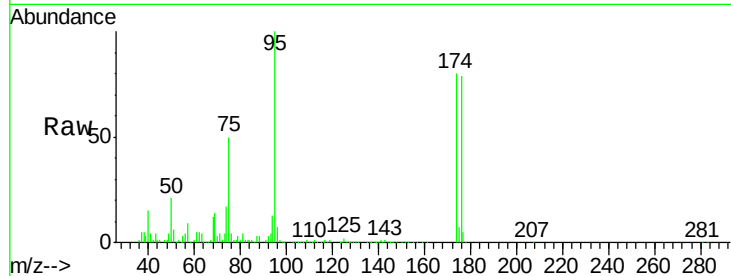




#62
4-Bromofluorobenzene
Concen: 47.008 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

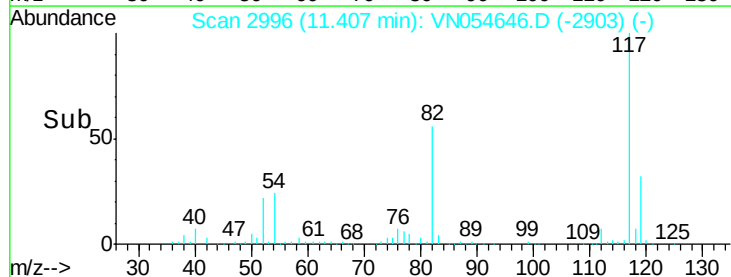
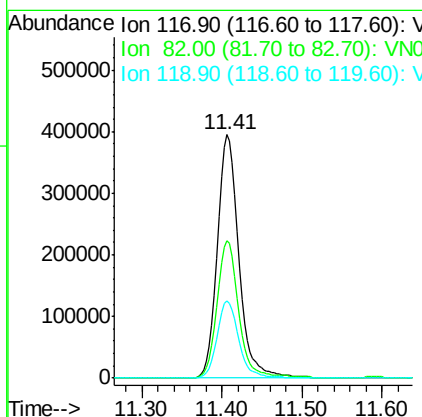
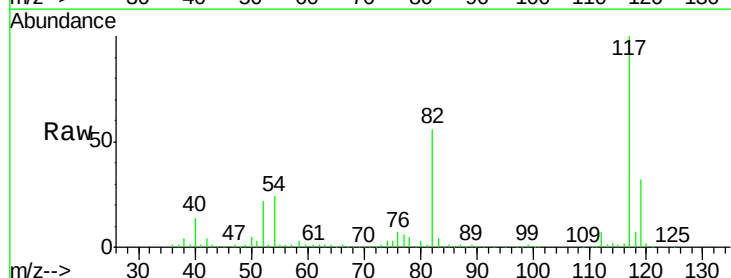
Instrument :
MSVOA_N
ClientSampled :

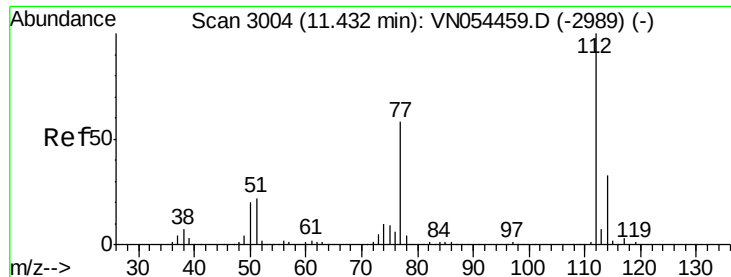
Tot Ion: 95 Resp: 337793
Ion Ratio Lower Upper
95 100
174 83.8 0.0 191.0
176 82.3 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054646.D
Acq: 24 Mar 2019 14:22

Tgt Ion: 117 Resp: 742667
Ion Ratio Lower Upper
117 100
82 56.2 40.0 60.0
119 31.9 25.8 38.6





#65

Chlorobenzene

Concen: 46.948 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

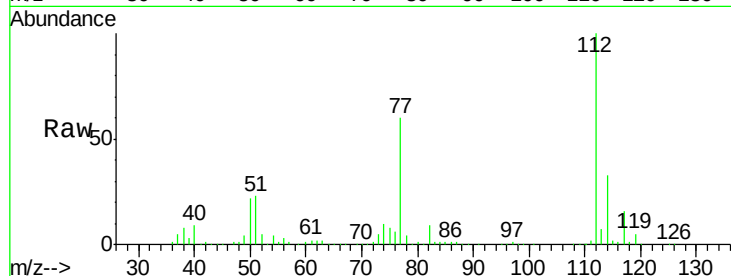
ClientSampled :

Tot Ion:112 Resp: 709143

Ion Ratio Lower Upper

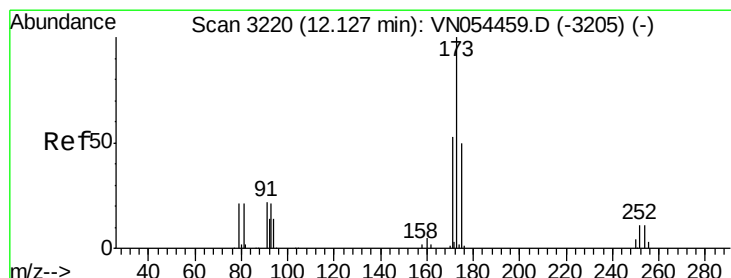
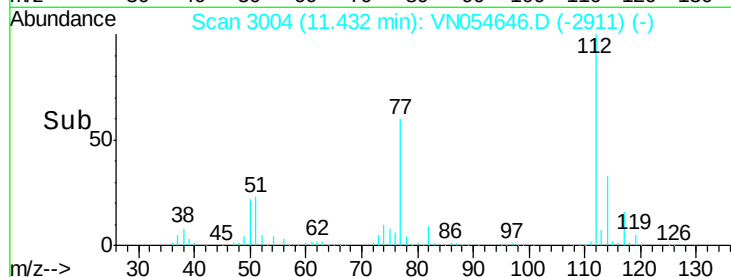
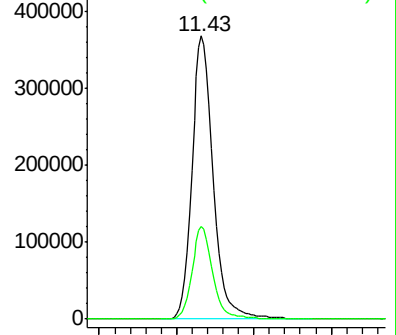
112 100

114 32.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 2.264 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.25 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

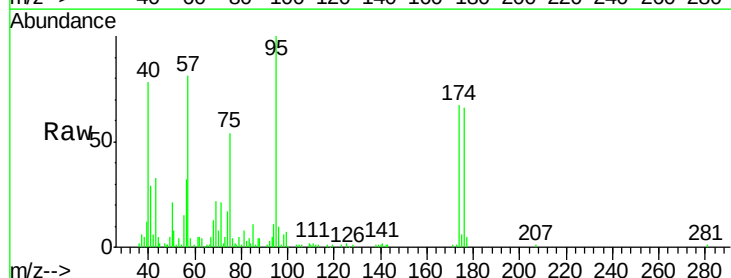
Tgt Ion:173 Resp: 169

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

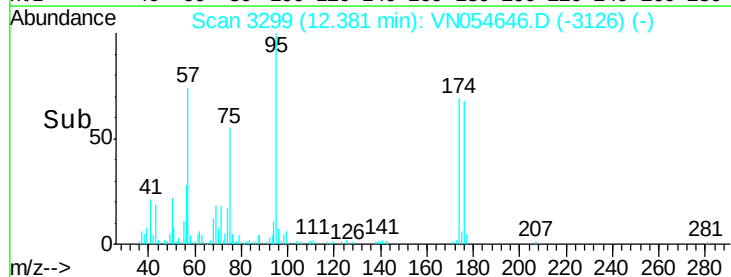
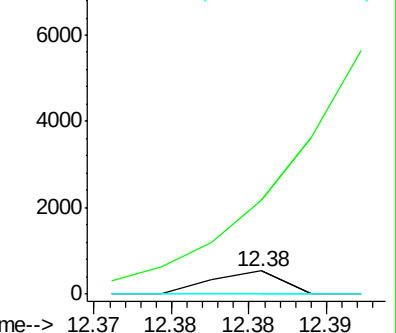
254 0.0 0.1 0.1#

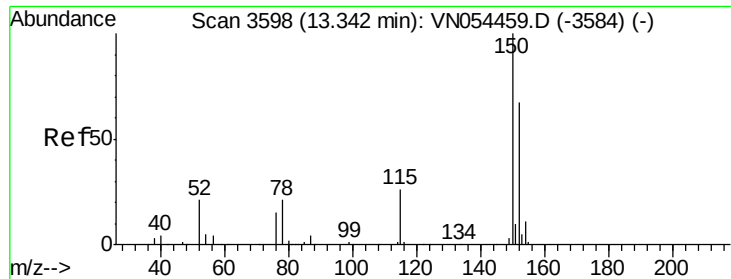


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

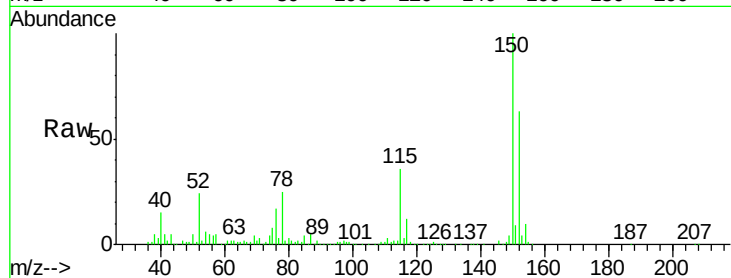




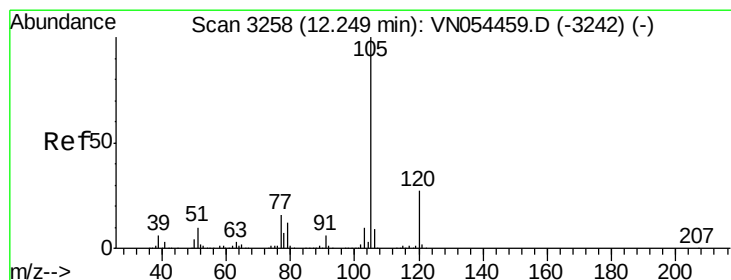
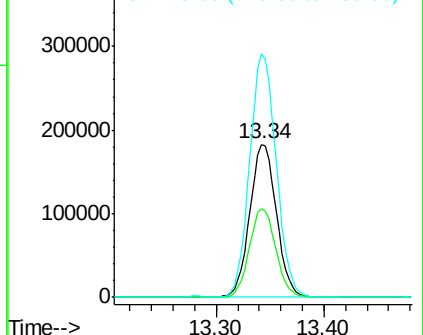
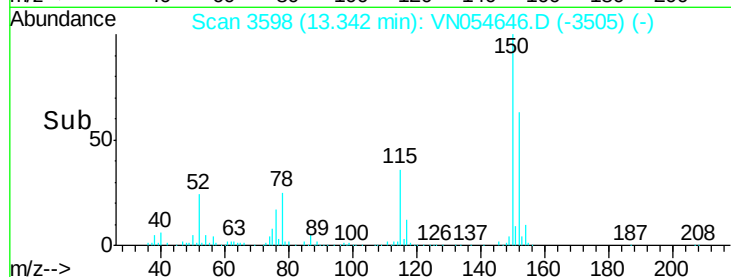
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:152 Resp: 315131
 Ion Ratio Lower Upper
 152 100
 115 57.1 27.2 81.6
 150 157.9 0.0 349.2

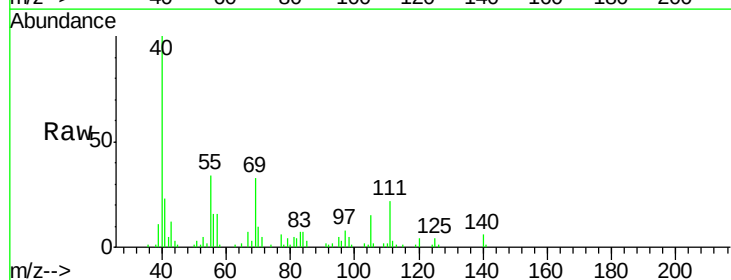


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

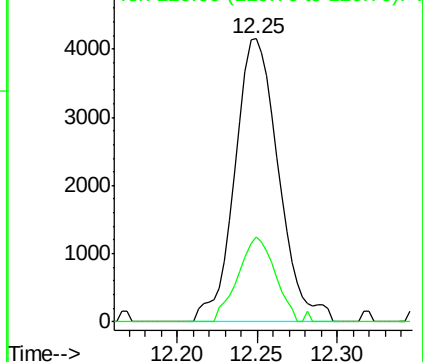
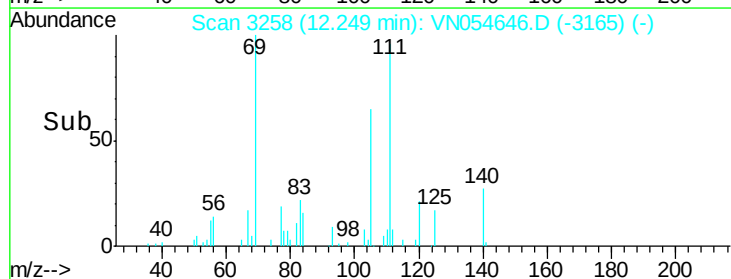


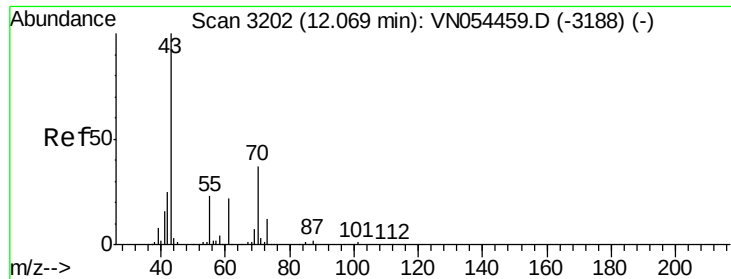
#73
 Isopropylbenzene
 Concen: 0.305 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Tgt Ion:105 Resp: 7755
 Ion Ratio Lower Upper
 105 100
 120 25.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 10.819 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 79000

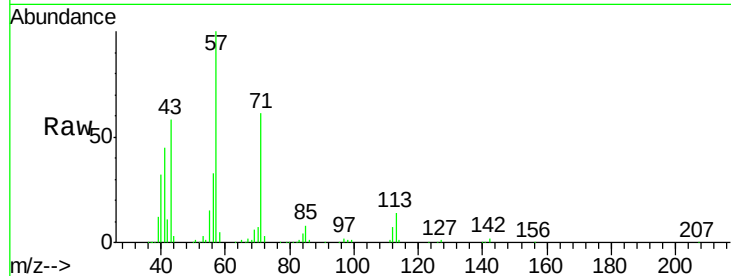
Ion Ratio Lower Upper

43 100

70 10.3 35.4 53.0#

55 13.7 19.8 29.6#

61 0.0 19.8 29.6#

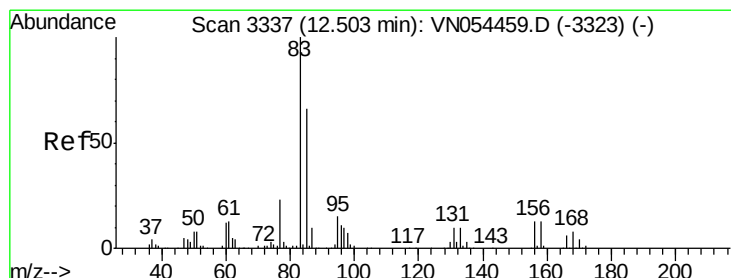
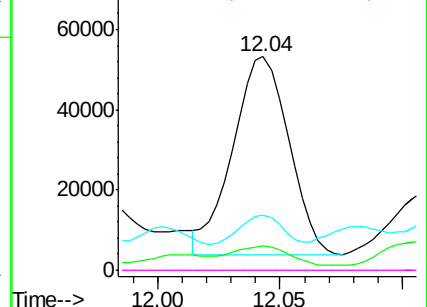
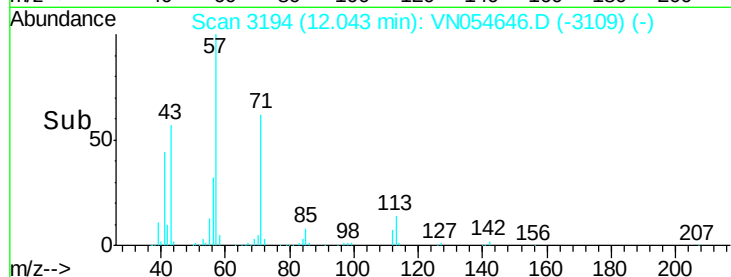


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 2.354 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.05 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

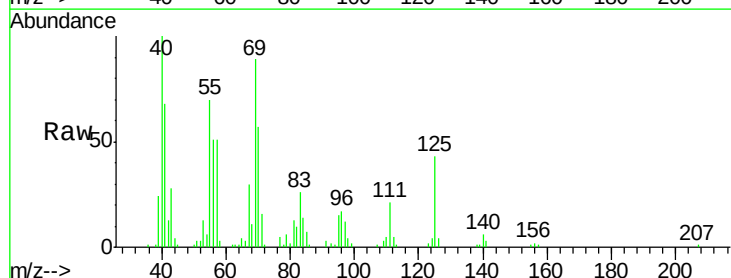
Tgt Ion: 83 Resp: 13646

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

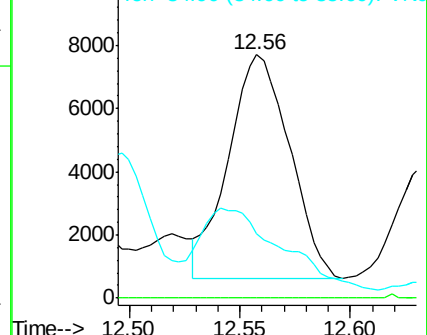
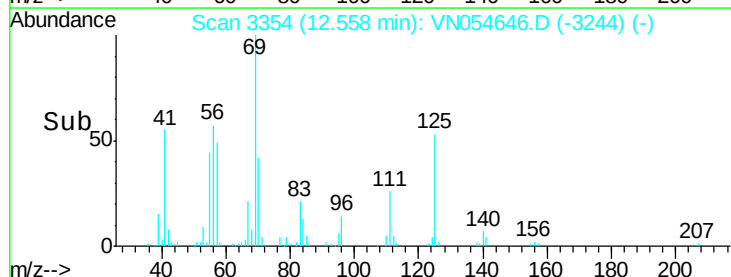
85 49.3 32.2 96.6

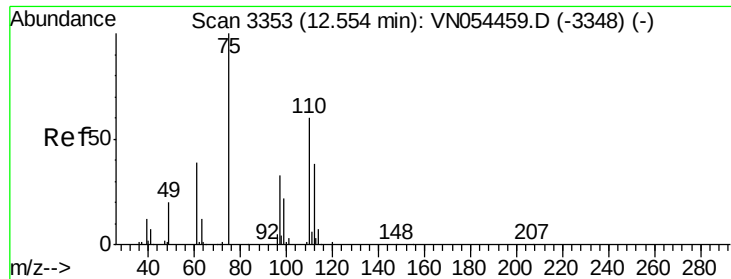


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.730 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

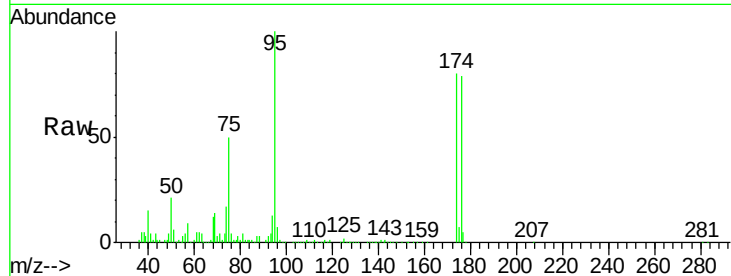
ClientSampled :

Tot Ion: 75 Resp: 173670

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

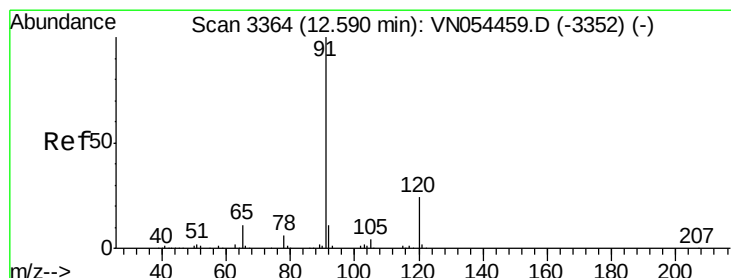
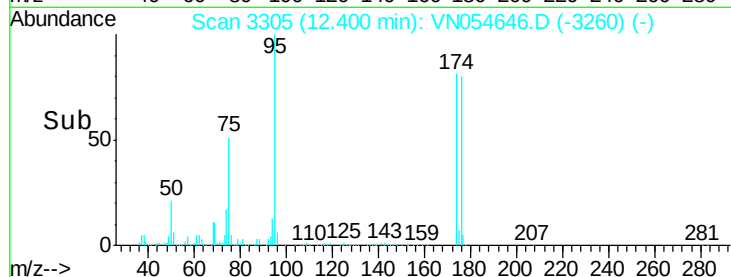
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.508 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054646.D

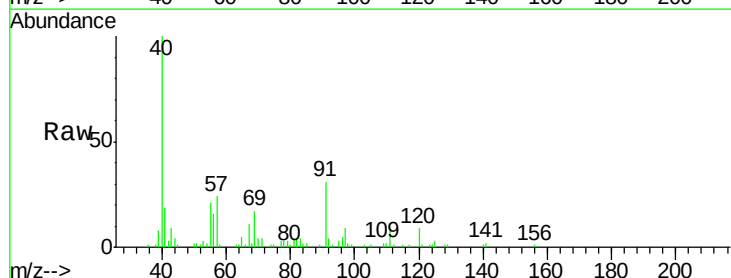
Acq: 24 Mar 2019 14:22

Tgt Ion: 91 Resp: 14000

Ion Ratio Lower Upper

91 100

120 25.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): VN0

12.59

10000

8000

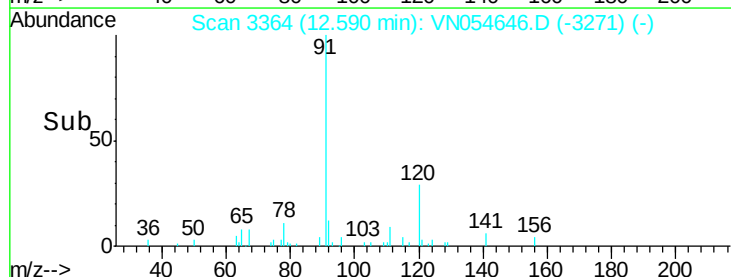
6000

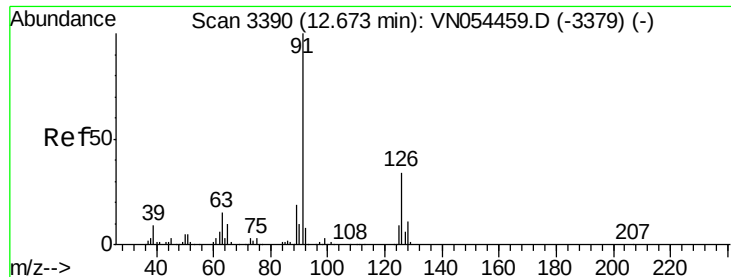
4000

2000

0

Time--> 12.50 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 0.504 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

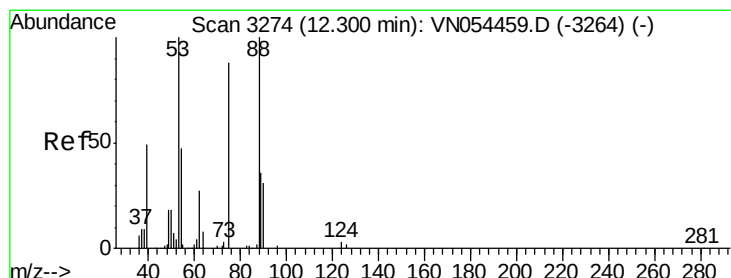
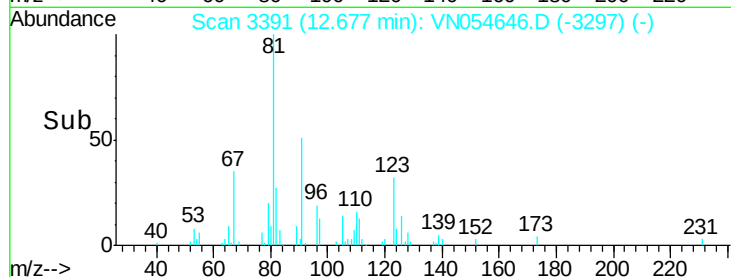
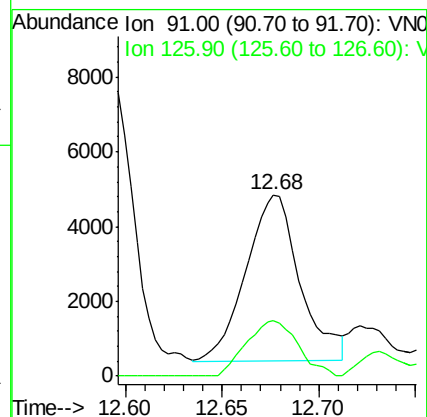
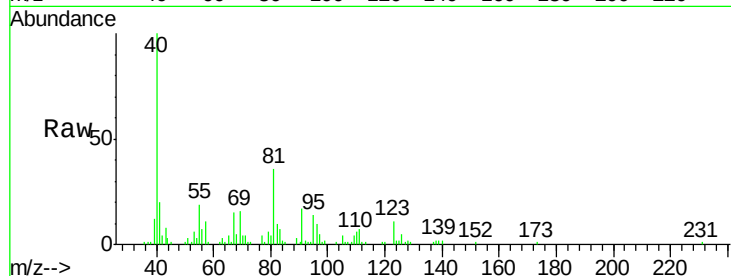
ClientSampleId :

Tot Ion: 91 Resp: 8657

Ion Ratio Lower Upper

91 100

126 31.8 18.7 56.1



#81

trans-1,4-Dichloro-2-butene

Concen: 115.302 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

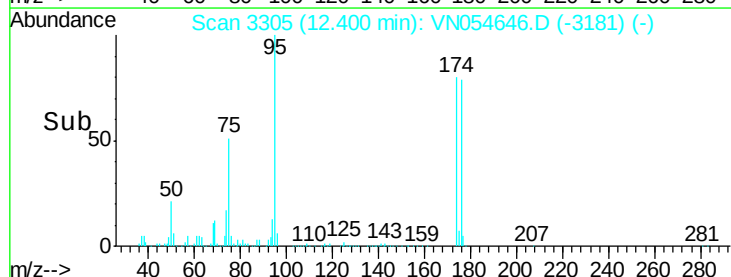
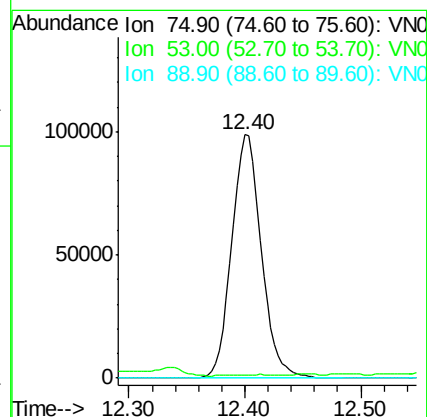
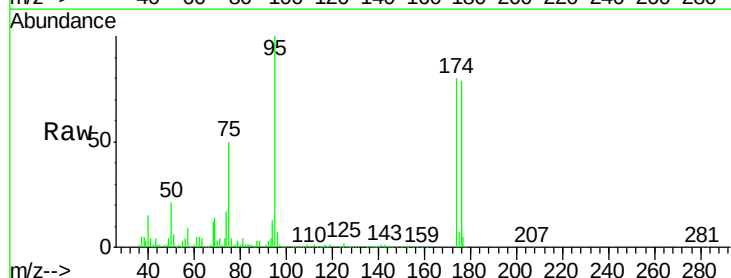
Tgt Ion: 75 Resp: 173670

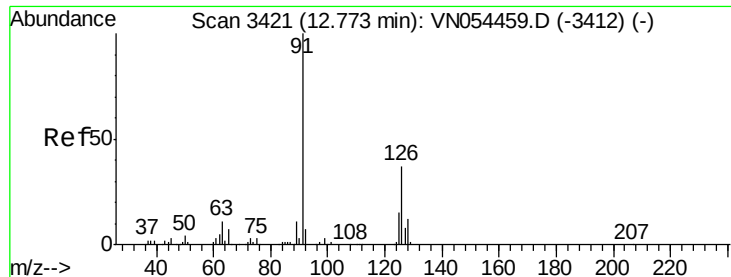
Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 0.520 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.10 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

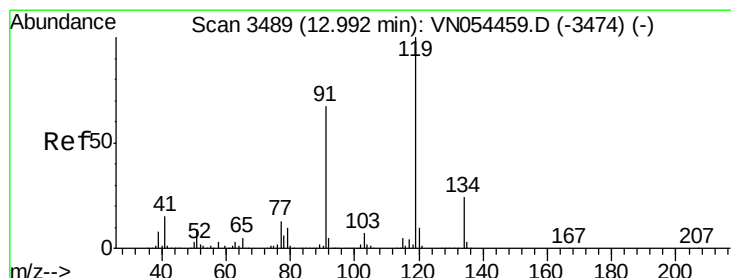
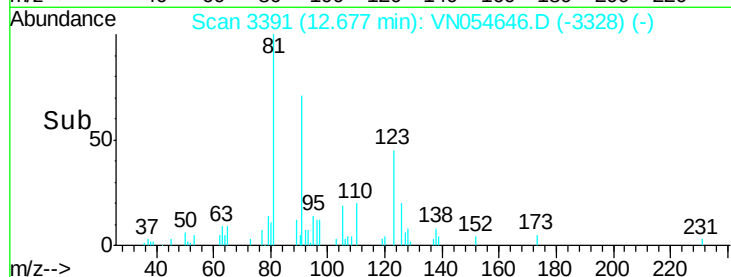
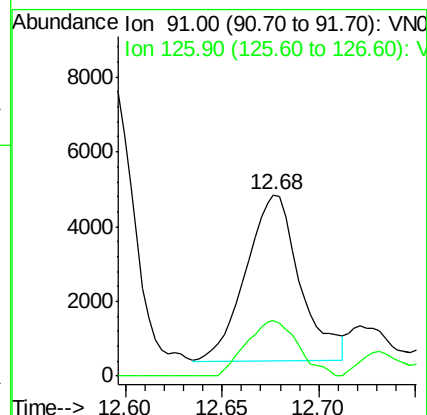
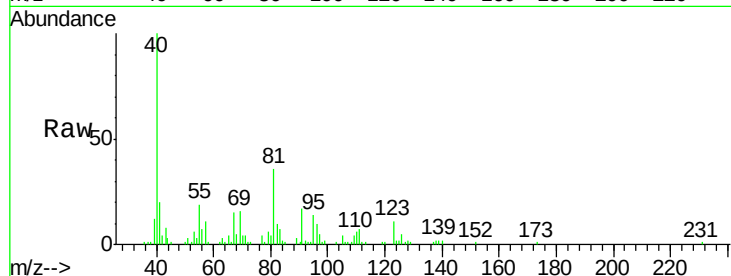
ClientSampleId :

Tot Ion: 91 Resp: 8657

Ion Ratio Lower Upper

91 100

126 31.8 18.1 54.1



#83

tert-Butylbenzene

Concen: 0.514 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

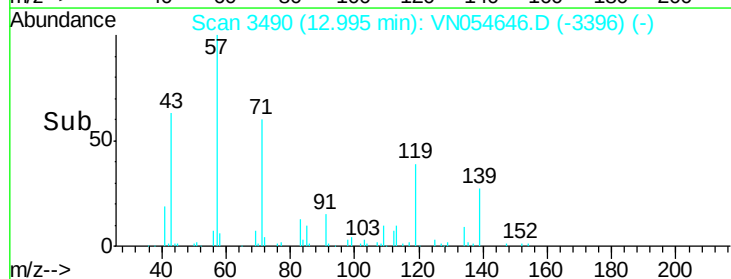
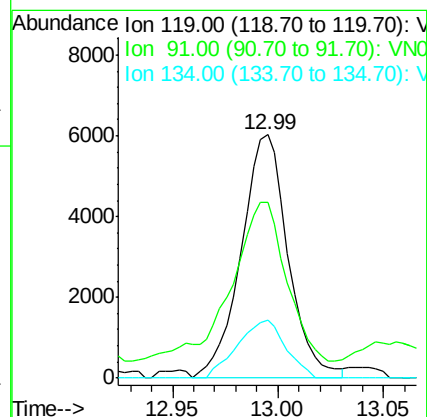
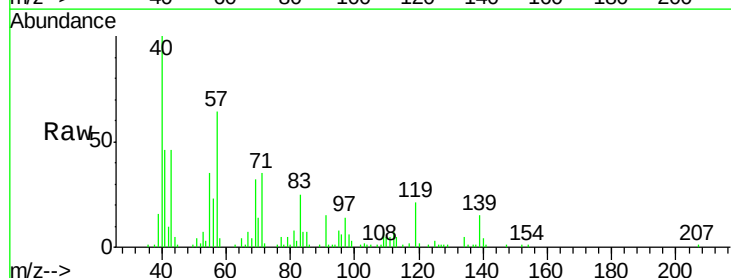
Tgt Ion: 119 Resp: 9312

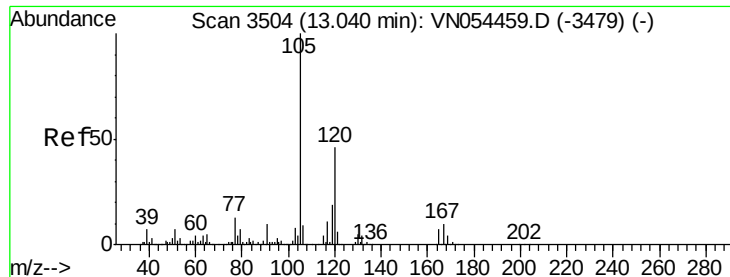
Ion Ratio Lower Upper

119 100

91 77.5 30.9 92.8

134 24.2 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 1.655 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. -0.15 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

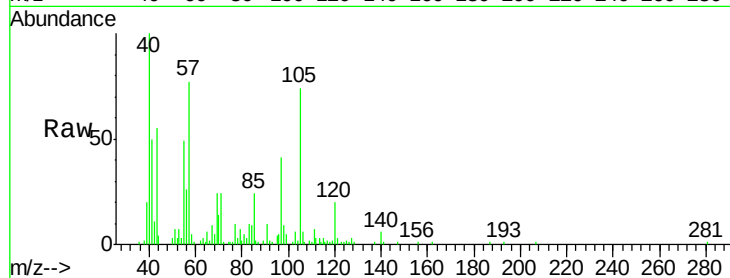
ClientSampleId :

Tot Ion:105 Resp: 33806

Ion Ratio Lower Upper

105 100

120 29.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.89

20000

15000

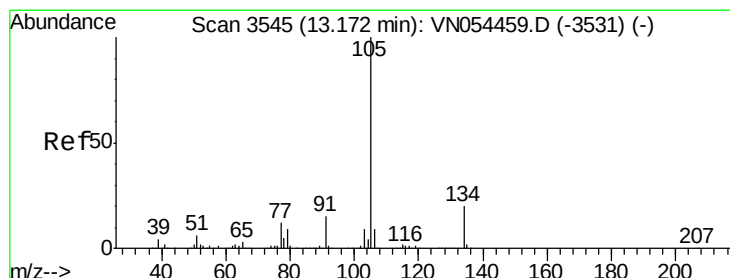
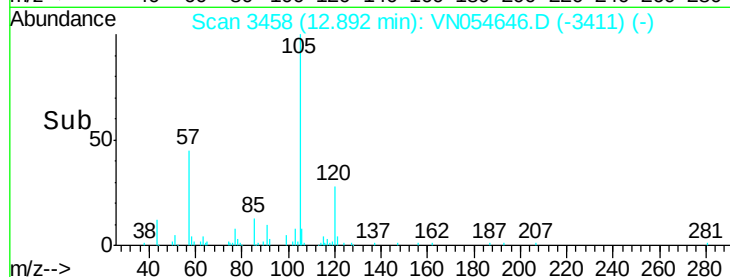
10000

5000

0

Time-->

12.85 12.90 12.95



#85

sec-Butylbenzene

Concen: 1.356 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054646.D

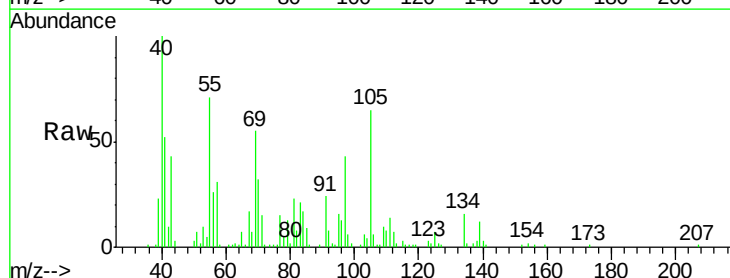
Acq: 24 Mar 2019 14:22

Tgt Ion:105 Resp: 30614

Ion Ratio Lower Upper

105 100

134 21.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

20000

15000

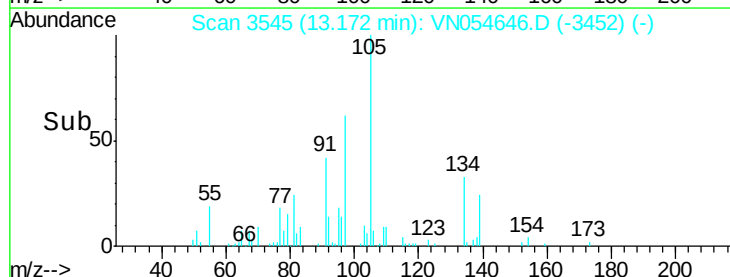
10000

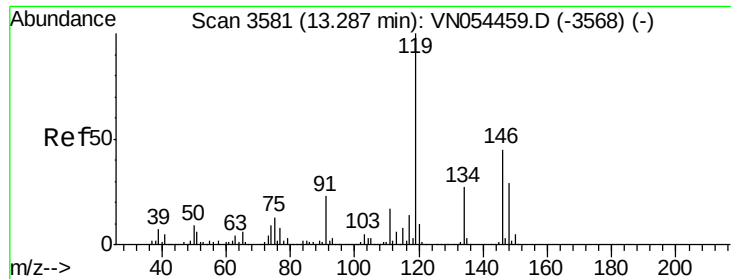
5000

0

Time-->

13.10 13.15 13.20

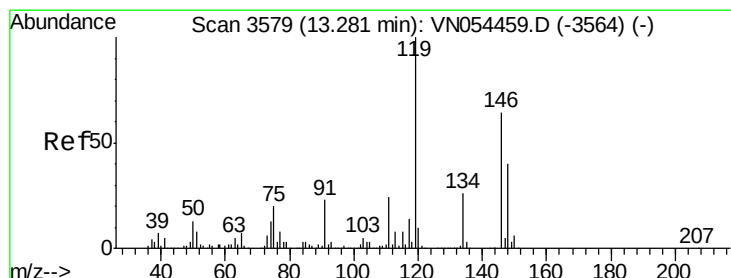
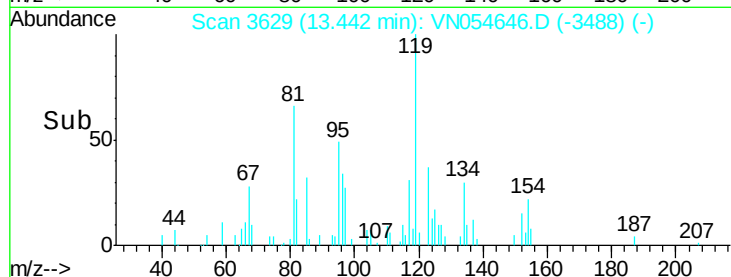
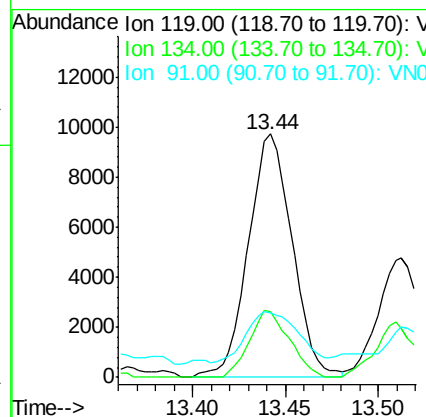
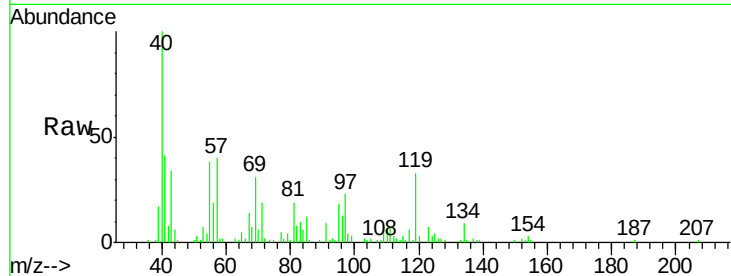




#86
 p-Isopropyltoluene
 Concen: 0.792 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

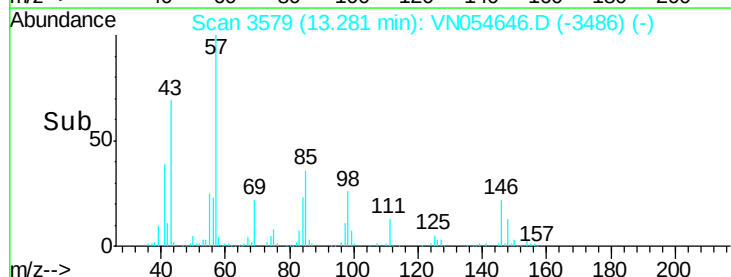
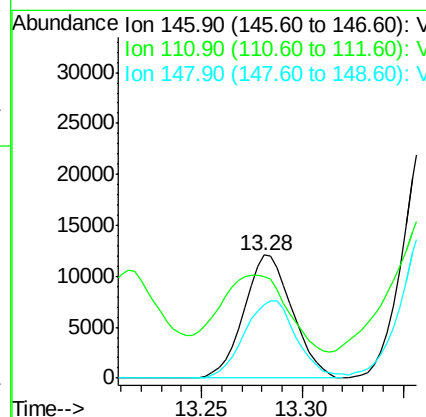
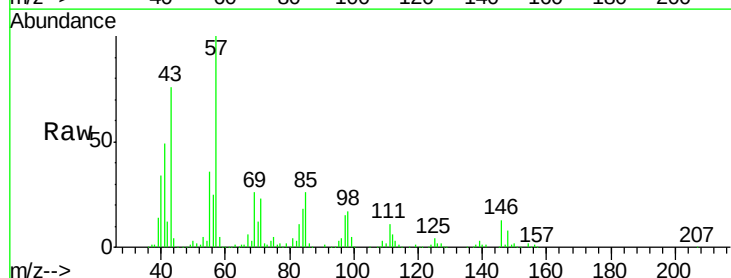
Instrument :
 MSVOA_N
 ClientSampleId :

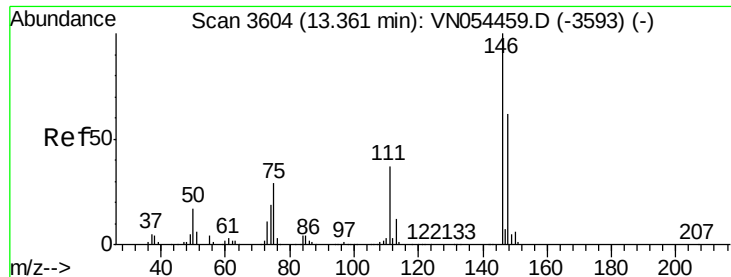
Tot Ion:119 Resp: 16001
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.6 40.8
 91 24.3 11.1 33.3



#87
 1,3-Dichlorobenzene
 Concen: 1.945 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Tgt Ion:146 Resp: 20295
 Ion Ratio Lower Upper
 146 100
 111 87.2 18.8 56.3#
 148 67.7 32.2 96.6

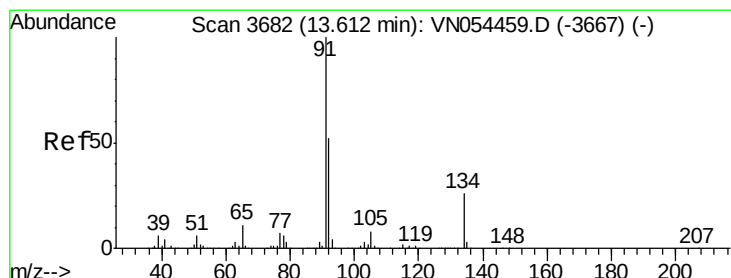
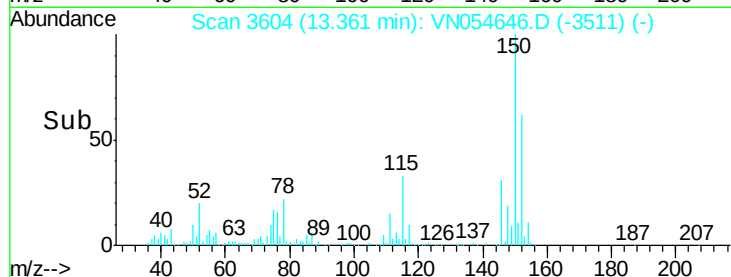
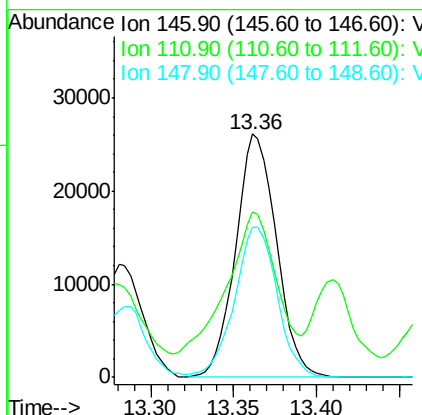
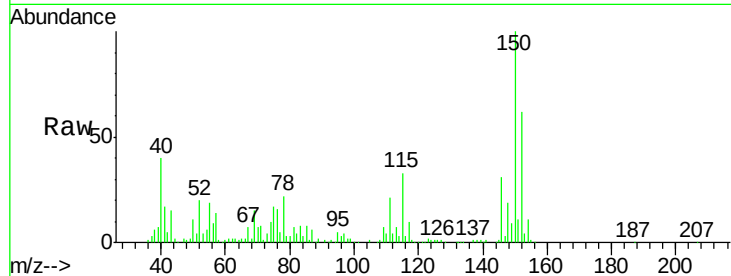




#88
 1,4-Dichlorobenzene
 Concen: 4.408 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

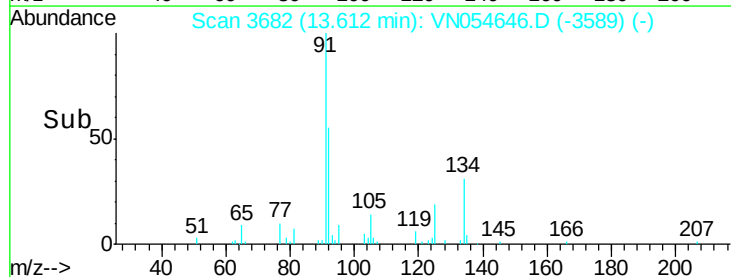
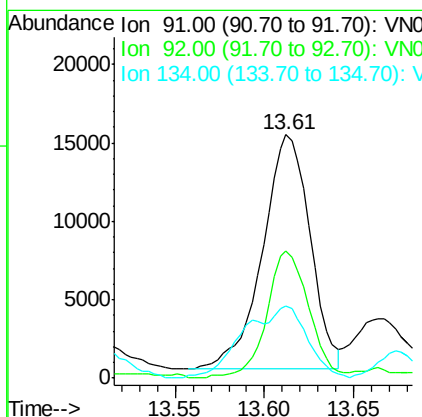
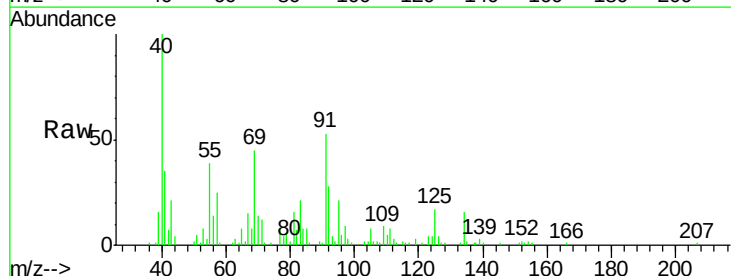
Instrument :
 MSVOA_N
 ClientSampleId :

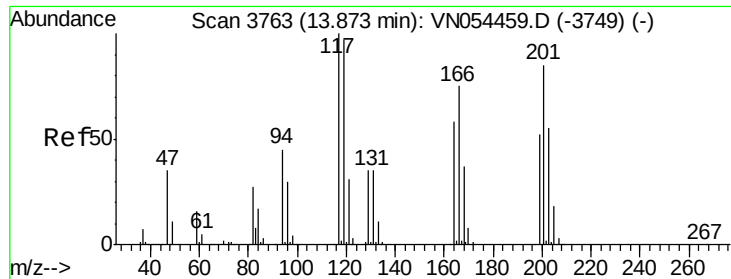
Tot Ion:146 Resp: 44765
 Ion Ratio Lower Upper
 146 100
 111 67.7 18.1 54.1#
 148 64.6 32.0 96.0



#89
 n-Butylbenzene
 Concen: 1.762 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN054646.D
 Acq: 24 Mar 2019 14:22

Tgt Ion: 91 Resp: 27836
 Ion Ratio Lower Upper
 91 100
 92 47.8 26.2 78.6
 134 21.6 14.3 42.9





#90

Hexachloroethane

Concen: 0.220 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

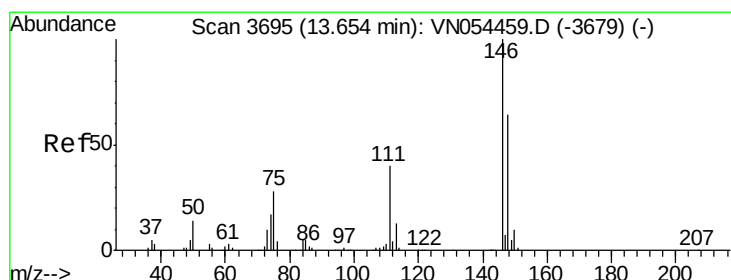
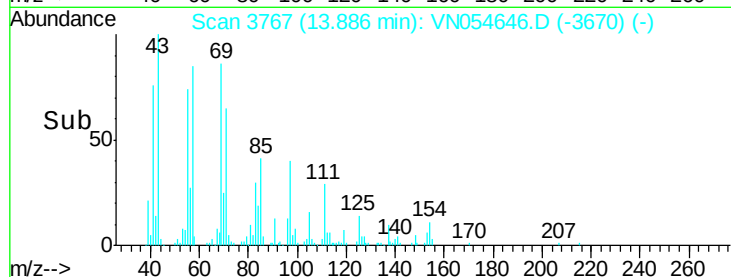
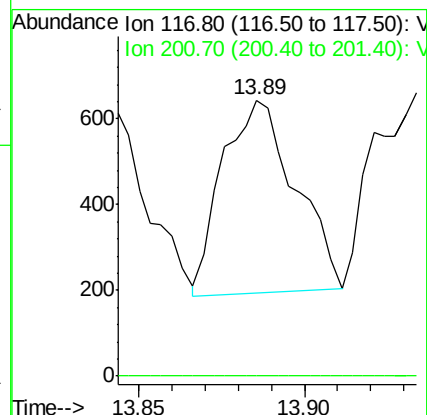
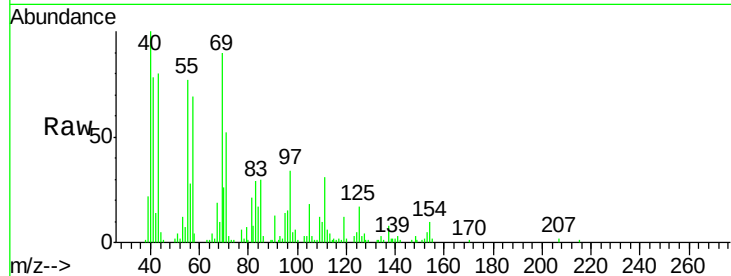
ClientSampleId :

Tot Ion:117 Resp: 691

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



#91

1,2-Dichlorobenzene

Concen: 5.968 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

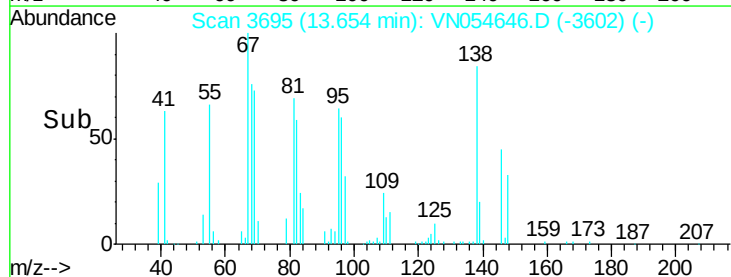
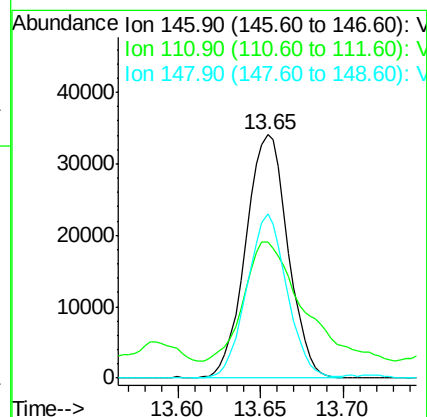
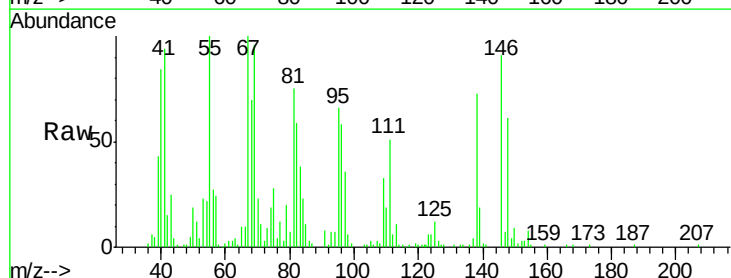
Tgt Ion:146 Resp: 60328

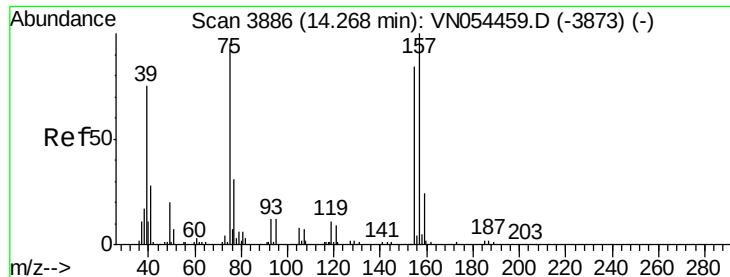
Ion Ratio Lower Upper

146 100

111 70.8 19.1 57.3#

148 64.0 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.361 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

Instrument :

MSVOA_N

ClientSampled :

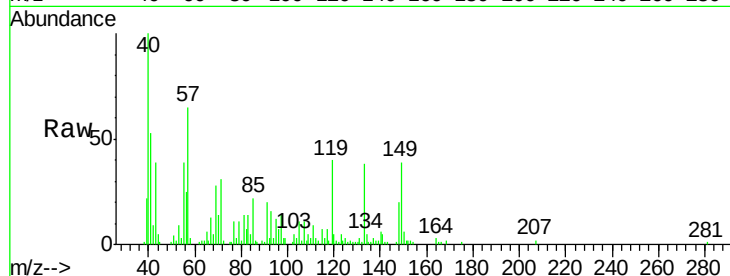
Tot Ion: 75 Resp: 307

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

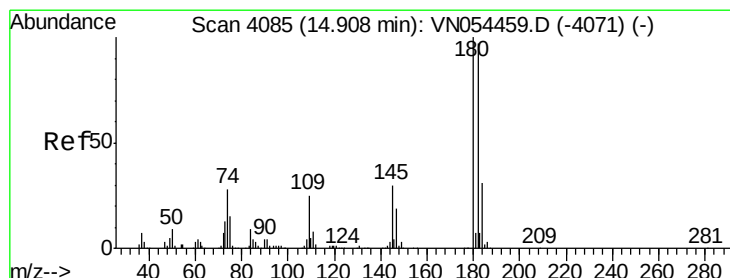
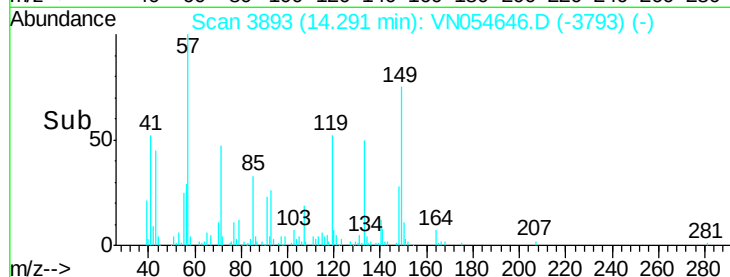
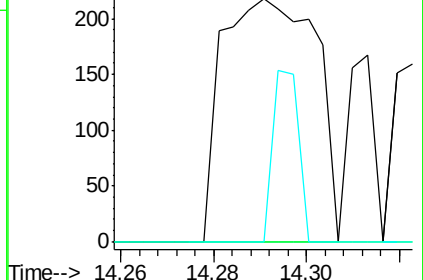
157 19.2 63.1 189.3#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.220 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054646.D

Acq: 24 Mar 2019 14:22

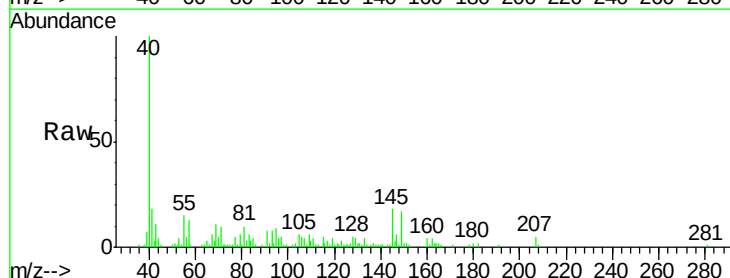
Tgt Ion: 180 Resp: 1110

Ion Ratio Lower Upper

180 100

182 100.2 48.0 144.2

145 1000.1 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

