

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052373.D
 Acq On : 16 Nov 2018 19:00
 Operator : MD\SY
 Sample : J5975-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VB44949

Quant Time: Nov 16 22:42:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	304010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	507431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	212501	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	164596	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.09	98	613238	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.40	95	185847	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	1289	5.685	ug/l #	72
13) Acrolein	3.63	56	109	22.061	ug/l #	82
16) Acetone	3.82	43	71786	60.722	ug/l	93
17) Carbon Disulfide	4.07	76	1915	0.213	ug/l #	67
18) Methyl Acetate	4.34	43	66	0.451	ug/l #	57
20) Methylene Chloride	4.56	84	405	Below Cal	#	56
25) 2-Butanone	6.84	43	16951	10.187	ug/l #	90
29) Tetrahydrofuran	7.21	42	69531	63.605	ug/l	99
31) Cyclohexane	7.67	56	9387	0.386	ug/l #	29
36) 1,1-Dichloropropene	7.67	75	28325	5.569	ug/l #	50
37) Ethyl Acetate	6.84	43	16951	4.592	ug/l #	72
38) Carbon Tetrachloride	7.67	117	33241	7.114	ug/l #	16
41) Methacrylonitrile	7.21	41	42164	22.743	ug/l #	100
43) Isopropyl Acetate	8.19	43	6101	0.857	ug/l #	67
51) 4-Methyl-2-Pentanone	9.98	43	9331	2.603	ug/l	93
52) Toluene	10.16	92	78736	9.059	ug/l	98
53) t-1,3-Dichloropropene	10.16	75	1075	0.218	ug/l #	1
56) Ethyl methacrylate	10.37	69	2197	0.530	ug/l #	61
59) 2-Hexanone	10.75	43	5190	2.105	ug/l	99
67) Ethyl Benzene	11.51	91	39208	2.576	ug/l	100
68) m/p-Xylenes	11.62	106	62243	11.193	ug/l	93
69) o-Xylene	11.95	106	70313	13.191	ug/l	96
70) Styrene	11.95	104	4511	0.529	ug/l #	1
71) Bromoform	12.40	173	1864	1.056	ug/l #	1
73) Isopropylbenzene	12.25	105	15664	1.253	ug/l	99
74) N-amyl acetate	12.10	43	1773	0.398	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.52	83	1089	0.360	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	104423	39.580	ug/l #	100
78) n-propylbenzene	12.59	91	48150	3.293	ug/l	99
79) 2-Chlorotoluene	12.65	91	28275	3.311	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	131857	13.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	104423	128.374	ug/l #	5
82) 4-Chlorotoluene	12.73	91	14010	1.601	ug/l #	41
83) tert-Butylbenzene	12.99	119	7907	0.901	ug/l	91

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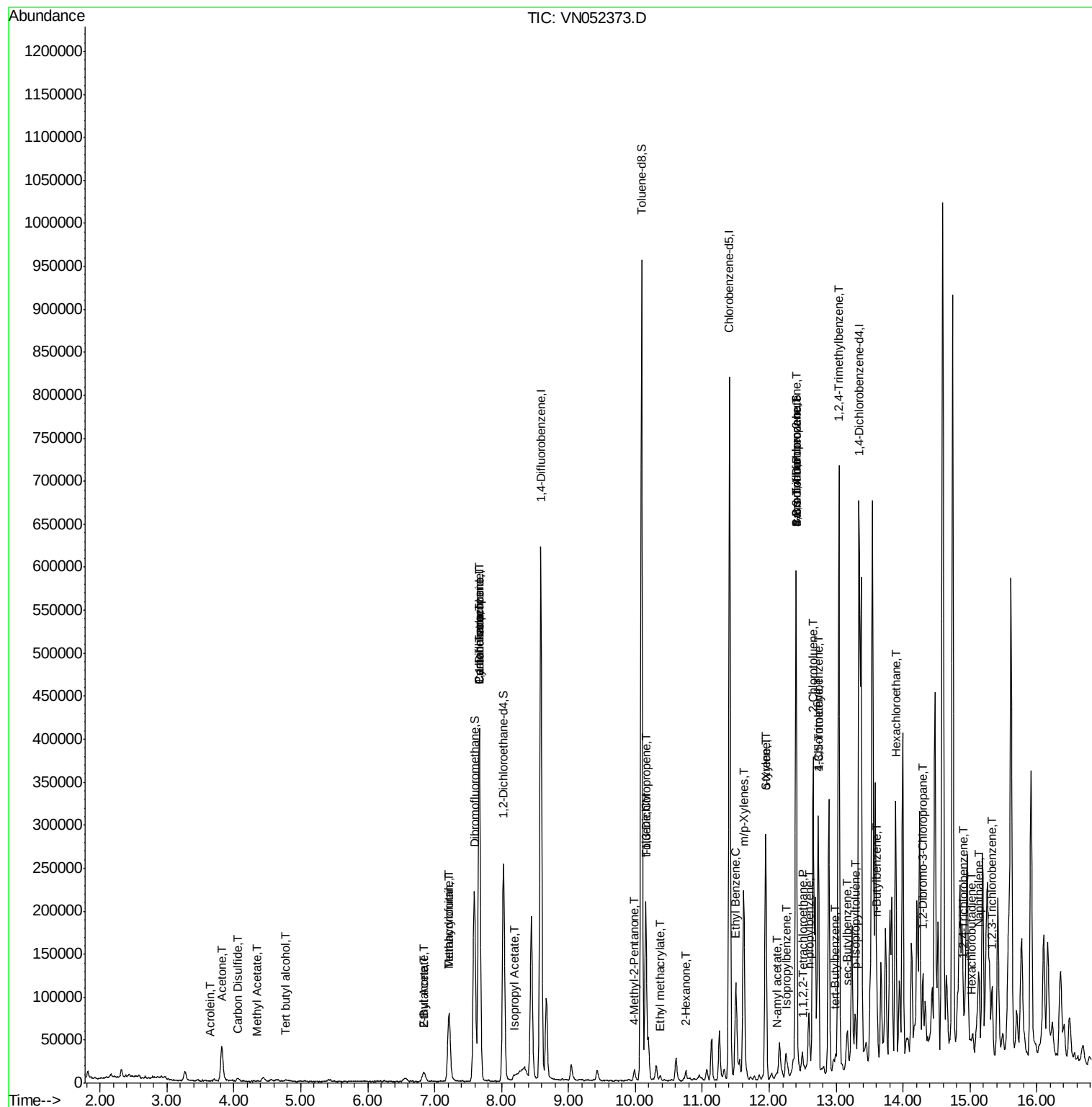
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	369590	37.034	ug/l	99
85) sec-Butylbenzene	13.17	105	21601	1.807	ug/l	86
86) p-Isopropyltoluene	13.29	119	22020	2.174	ug/l	98
89) n-Butylbenzene	13.61	91	21305	2.449	ug/l #	62
90) Hexachloroethane	13.89	117	14974	8.348	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.29	75	405	0.909	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1590	2.909	ug/l #	75
94) Hexachlorobutadiene	15.02	225	250	0.218	ug/l #	58
95) Naphthalene	15.13	128	64560	13.723	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	2076	1.092	ug/l #	72

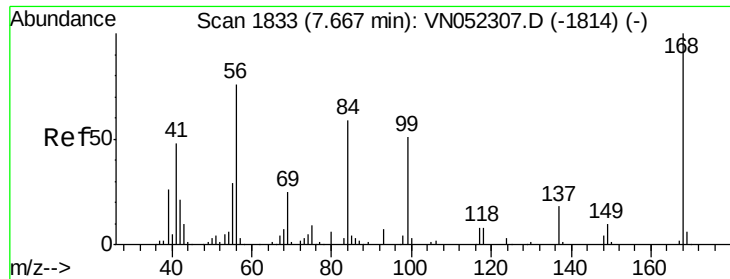
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

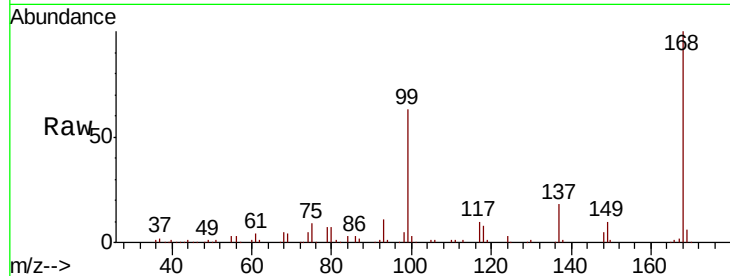
VB44949

Tot Ion:168 Resp: 304010

Ion Ratio Lower Upper

168 100

99 63.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

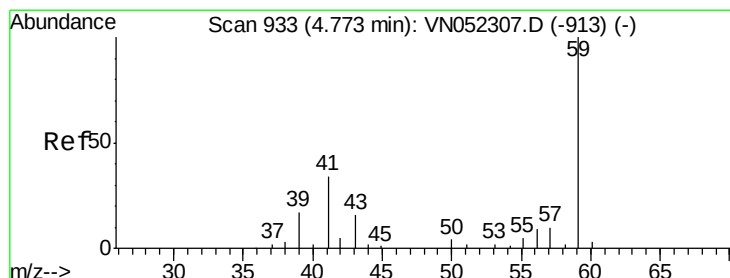
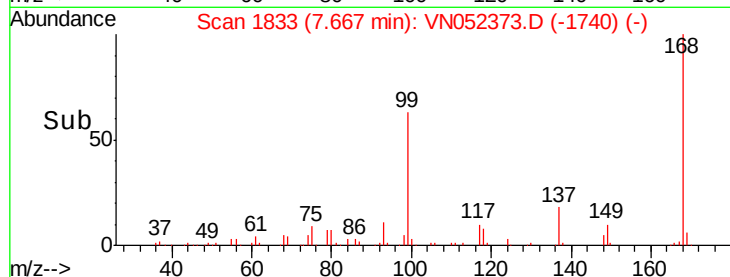
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#11

Tert butyl alcohol

Concen: 5.685 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.00 min

Lab File: VN052373.D

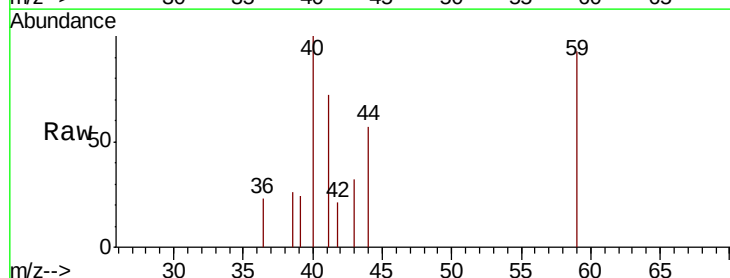
Acq: 16 Nov 2018 19:00

Tgt Ion: 59 Resp: 1289

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.77

800

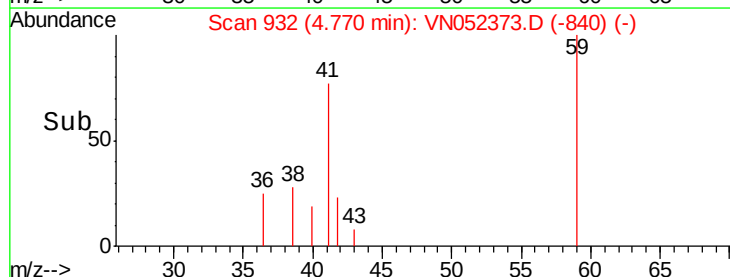
600

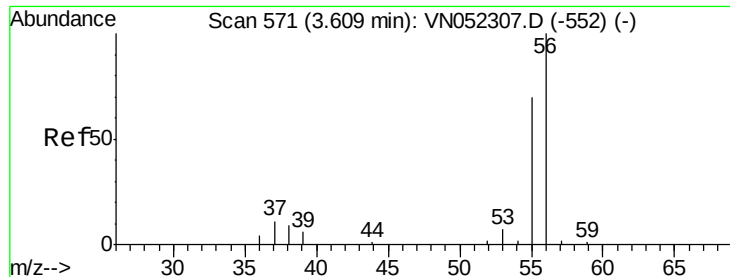
400

200

0

Time--> 4.74 4.76 4.78 4.80





#13

Acrolein

Concen: 22.061 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.02 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

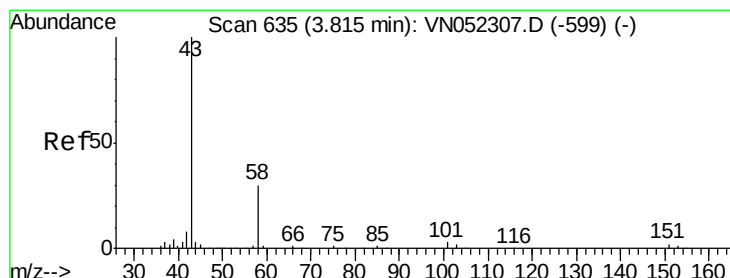
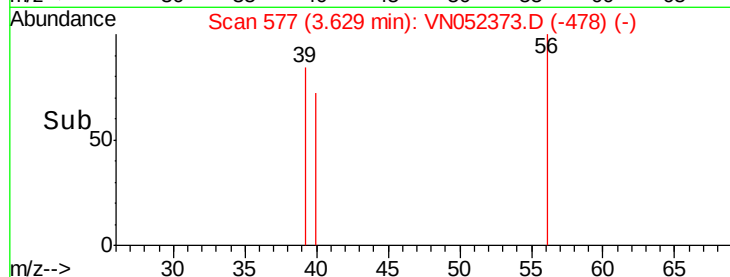
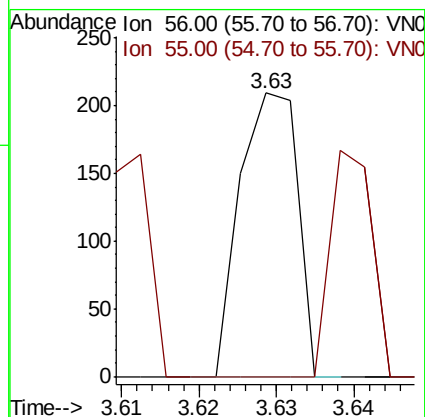
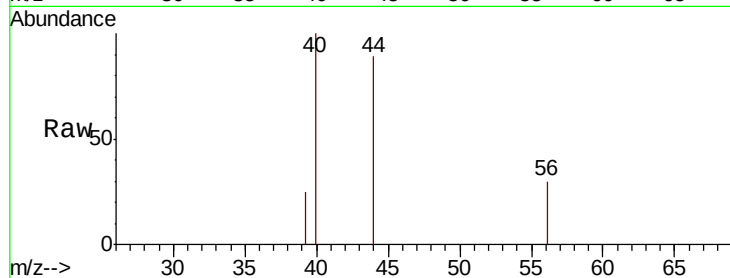
VB44949

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 56.9 57.6 86.4#



#16

Acetone

Concen: 60.722 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052373.D

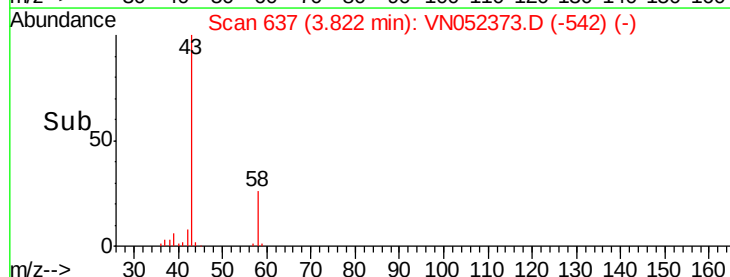
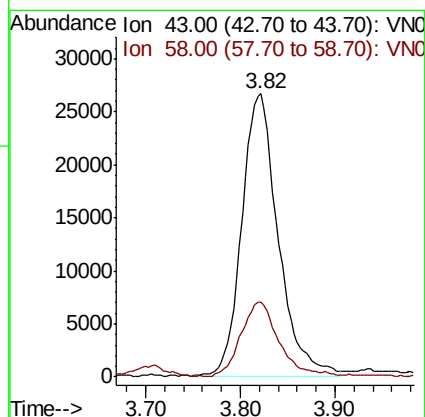
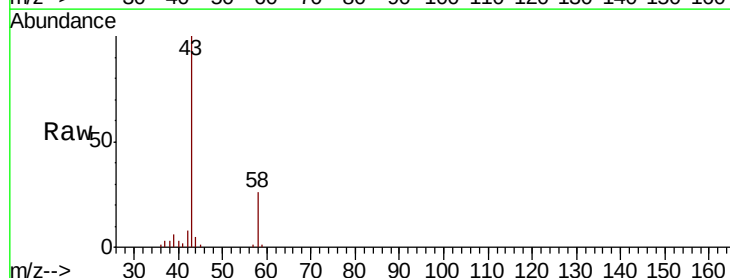
Acq: 16 Nov 2018 19:00

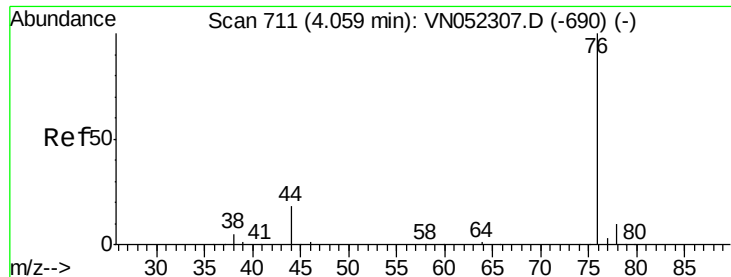
Tgt Ion: 43 Resp: 71786

Ion Ratio Lower Upper

43 100

58 26.3 24.2 36.4

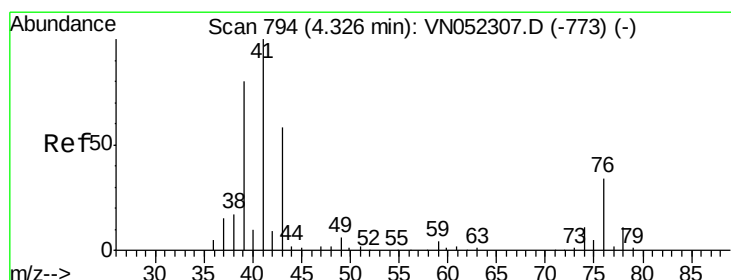
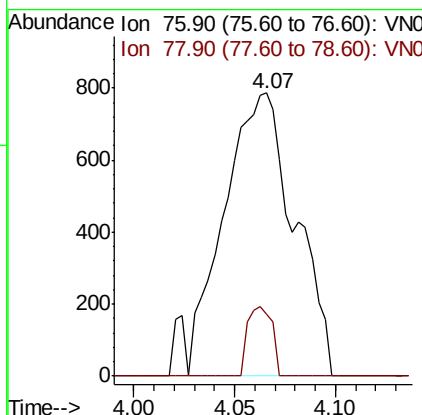
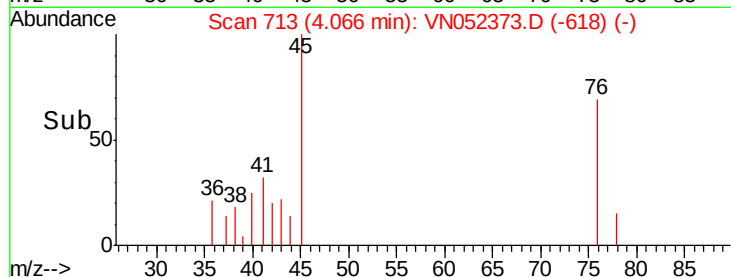
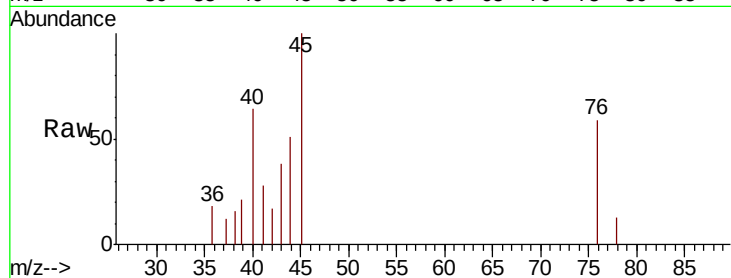




#17
Carbon Disulfide
Concen: 0.213 ug/l
RT: 4.07 min Scan# 713
Delta R.T. 0.01 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

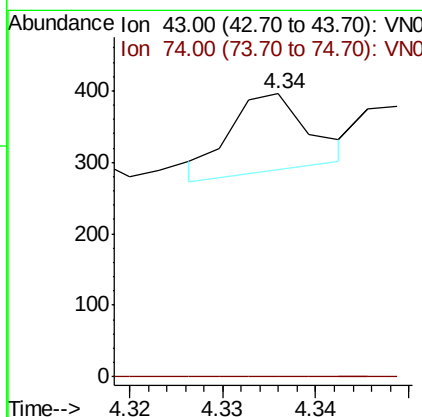
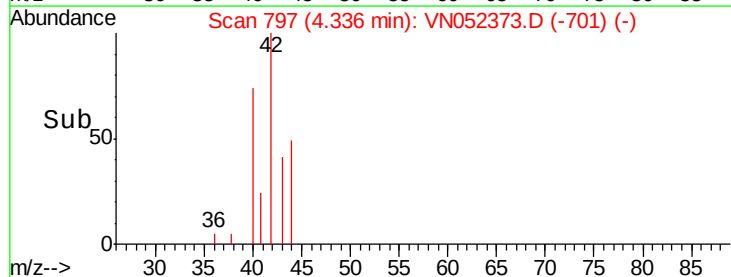
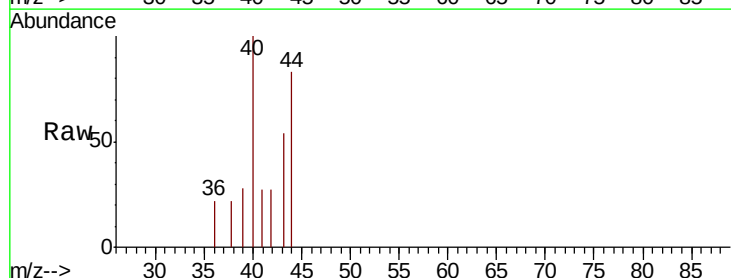
Instrument :
MSVOA_N
ClientSampleId :
VB44949

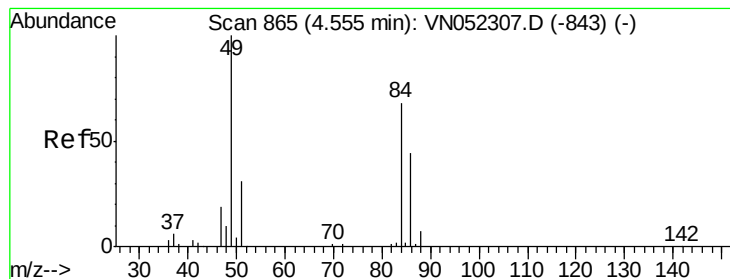
Tot Ion: 76 Resp: 1915
Ion Ratio Lower Upper
76 100
78 21.8 7.7 11.5#



#18
Methyl Acetate
Concen: 0.451 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.56 min Scan# 867

Delta R.T. 0.01 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

VB44949

Tot Ion: 84 Resp: 405

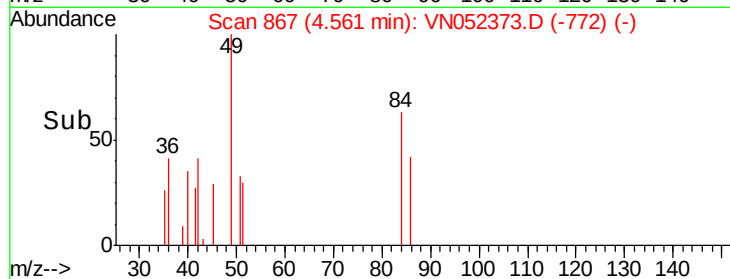
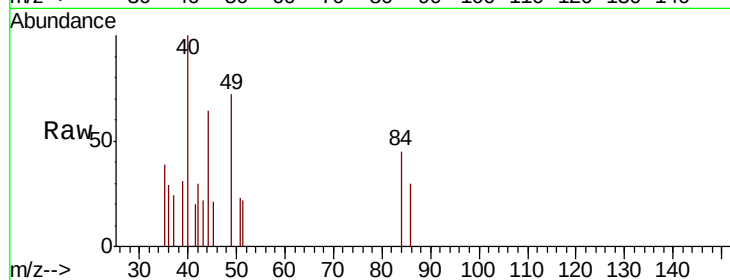
Ion Ratio Lower Upper

84 100

49 83.0 118.2 177.2#

51 99.4 36.1 54.1#

86 65.8 51.6 77.4

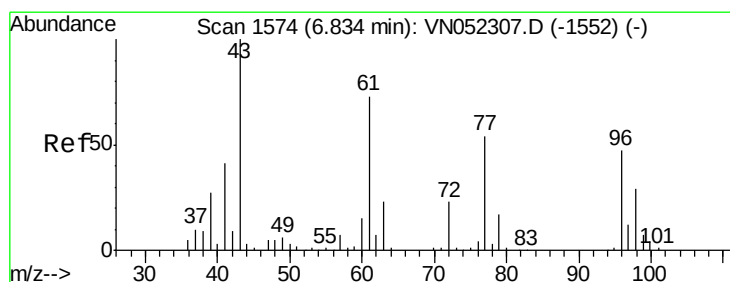
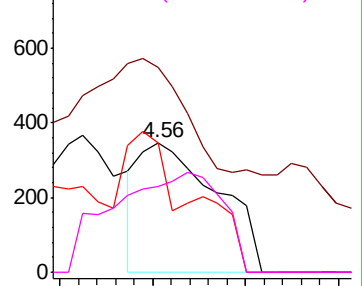


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 10.187 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052373.D

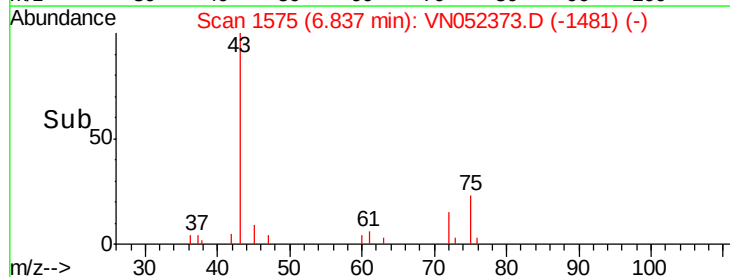
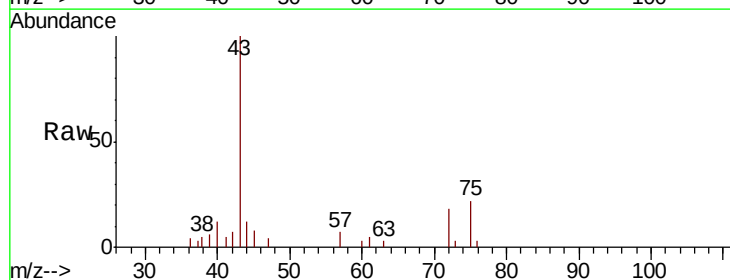
Acq: 16 Nov 2018 19:00

Tgt Ion: 43 Resp: 16951

Ion Ratio Lower Upper

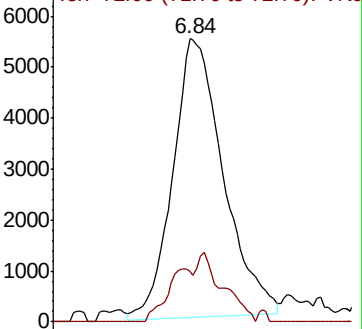
43 100

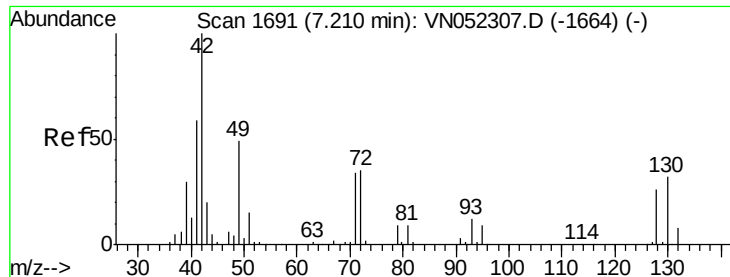
72 18.2 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 63.605 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

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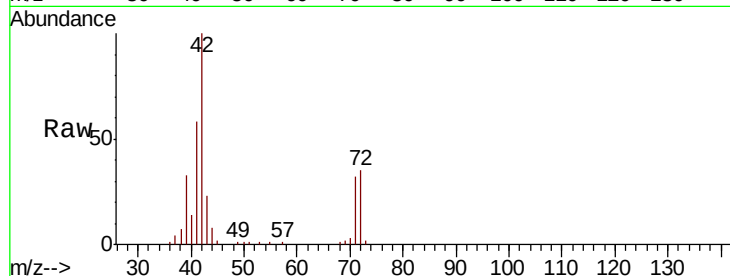
Tot Ion: 42 Resp: 69531

Ion Ratio Lower Upper

42 100

72 35.2 28.6 42.8

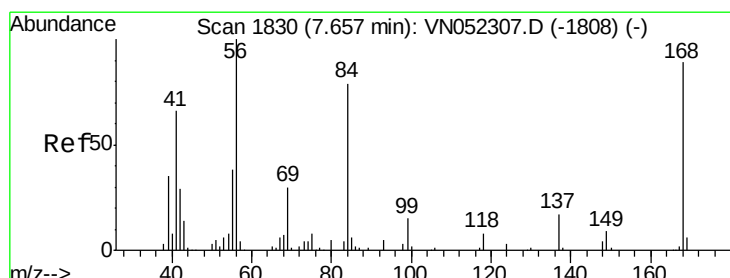
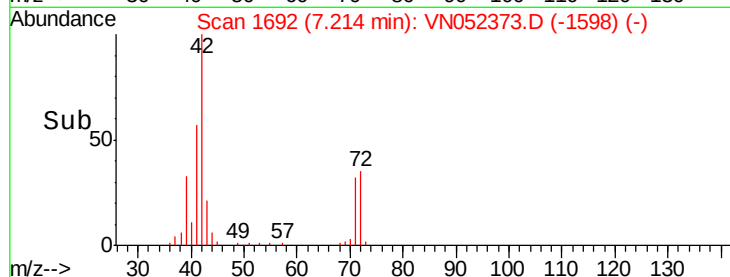
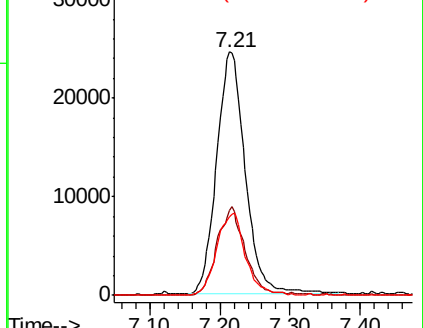
71 34.0 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.386 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

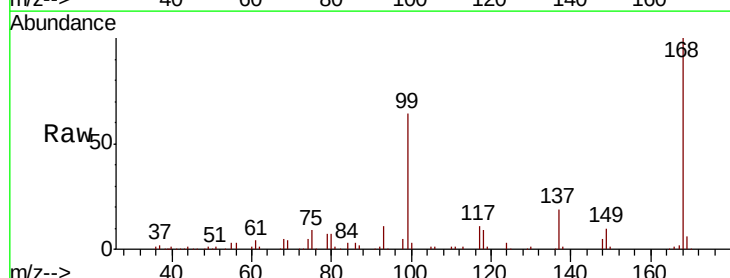
Tgt Ion: 56 Resp: 9387

Ion Ratio Lower Upper

56 100

69 130.7 23.8 35.8#

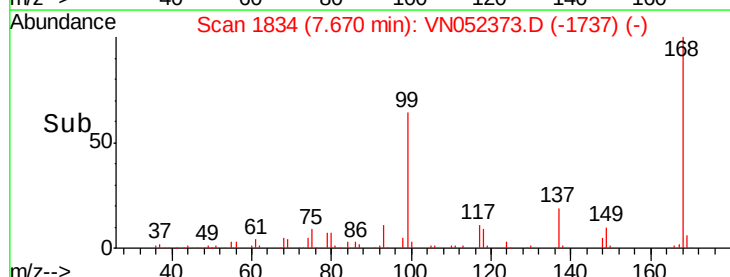
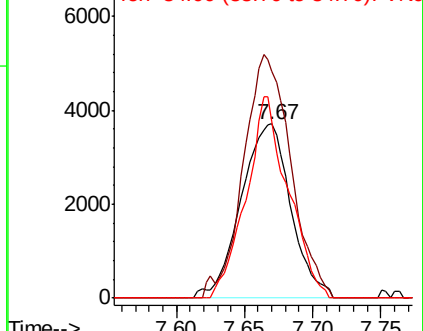
84 102.1 63.0 94.6#

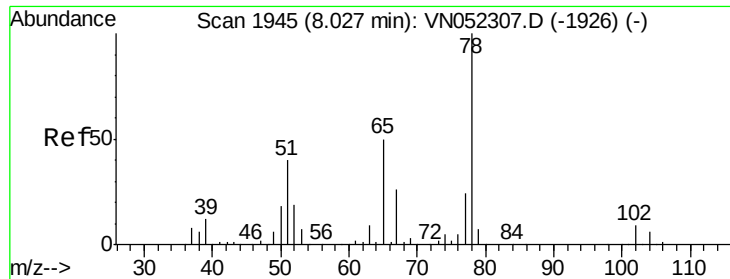


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

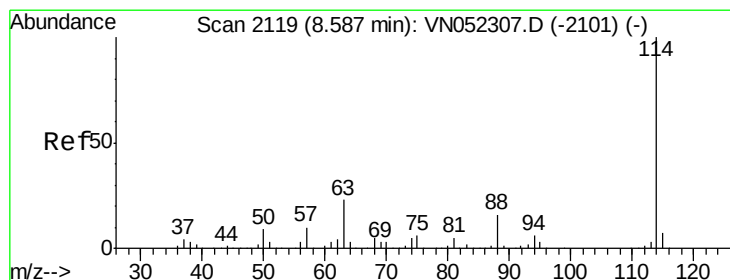
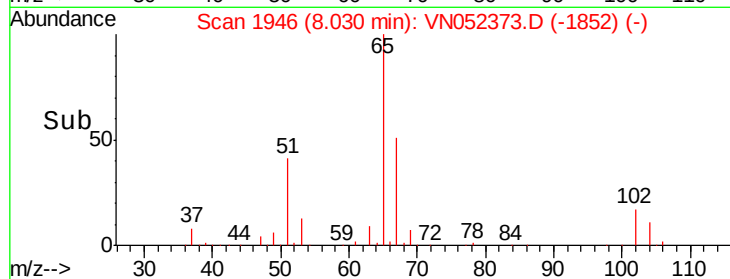
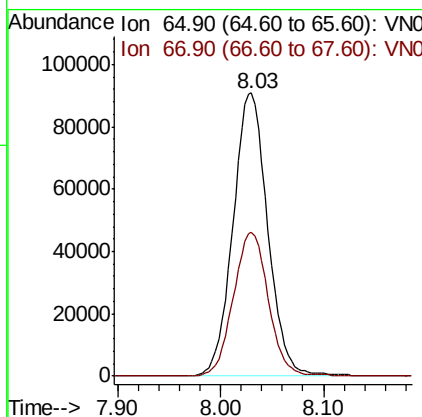
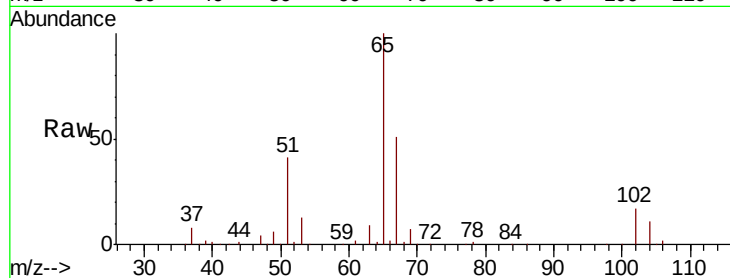




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

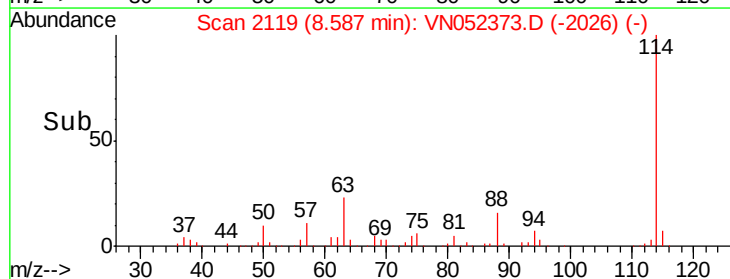
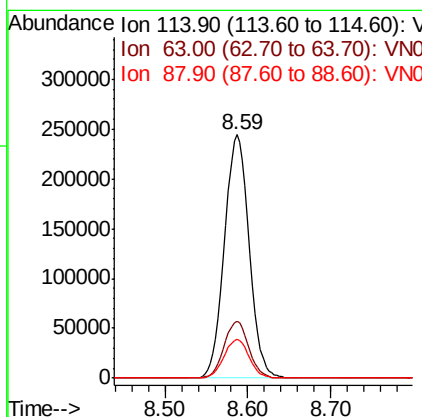
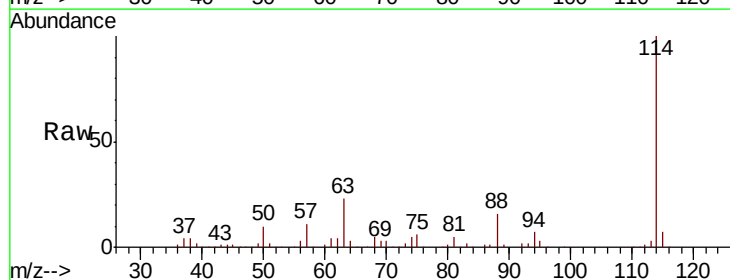
Instrument :
 MSVOA_N
 ClientSampled :
 VB44949

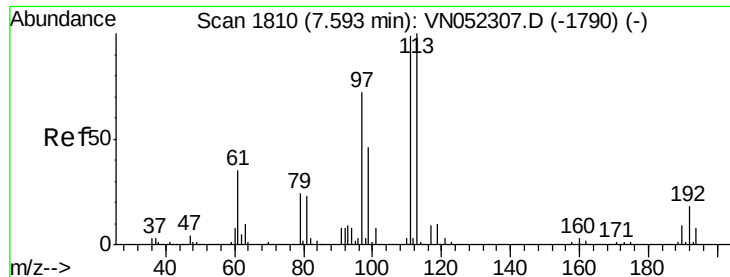
Tot Ion: 65 Resp: 212501
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Tgt Ion: 114 Resp: 507431
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.4
 88 15.8 0.0 31.2

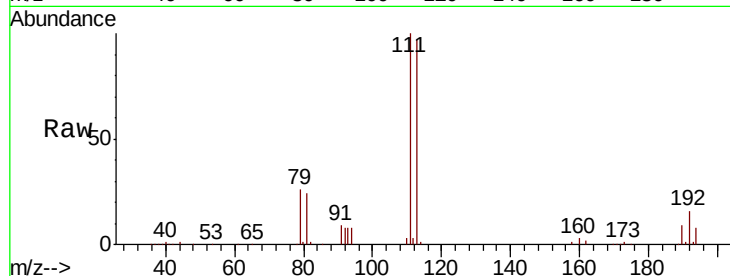




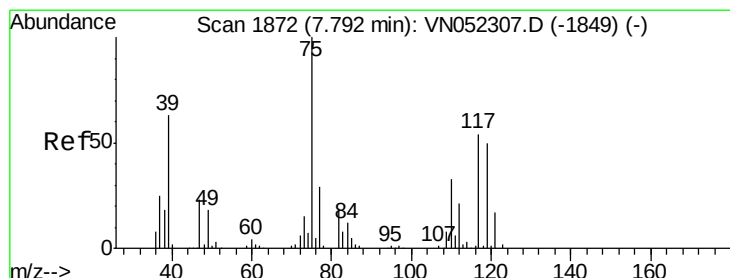
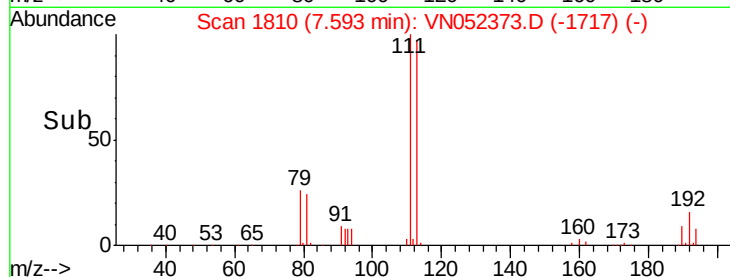
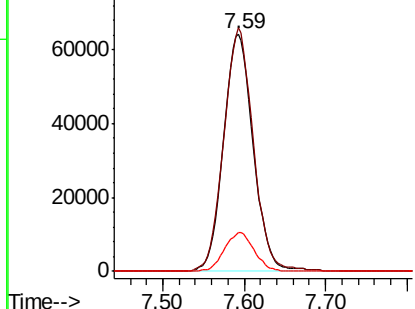
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VB44949

Tot Ion:113 Resp: 164596
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.0 121.6
 192 16.3 13.8 20.6

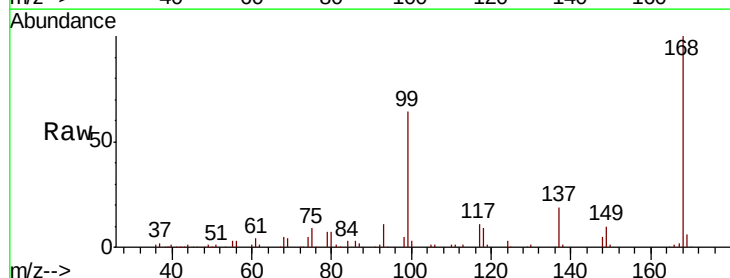


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

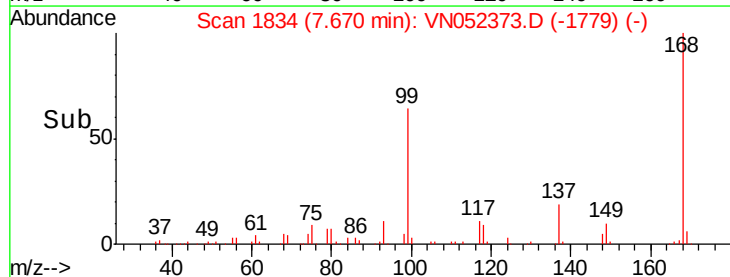
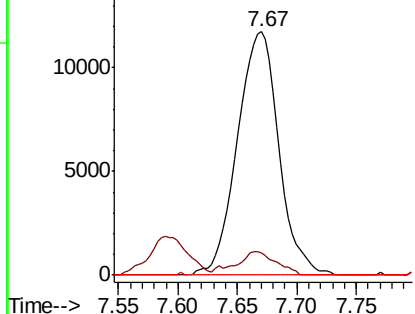


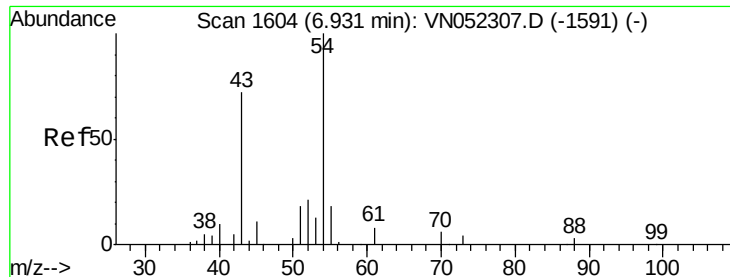
#36
 1,1-Dichloropropene
 Concen: 5.569 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Tgt Ion: 75 Resp: 28325
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.5 49.5#
 77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

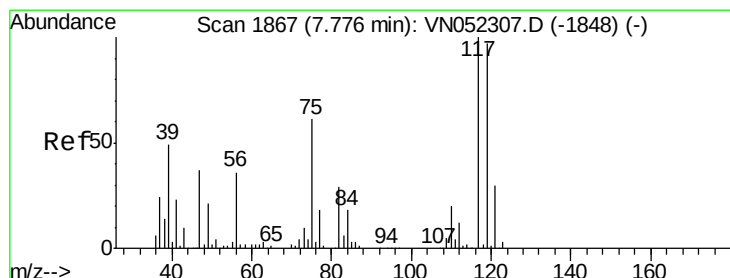
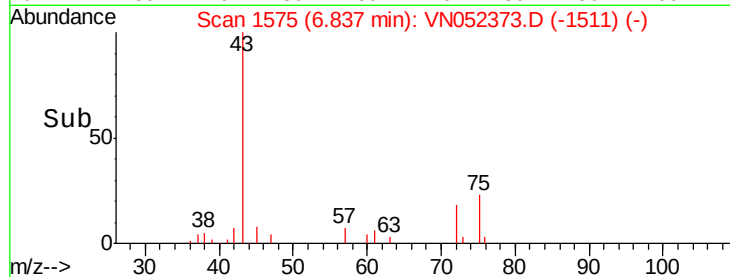
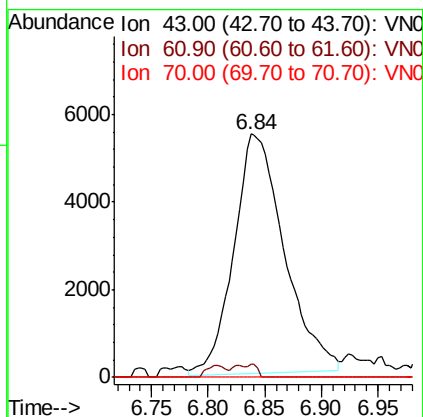
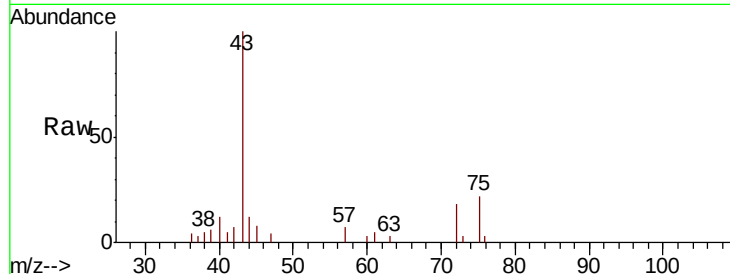




#37
Ethyl Acetate
Concen: 4.592 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

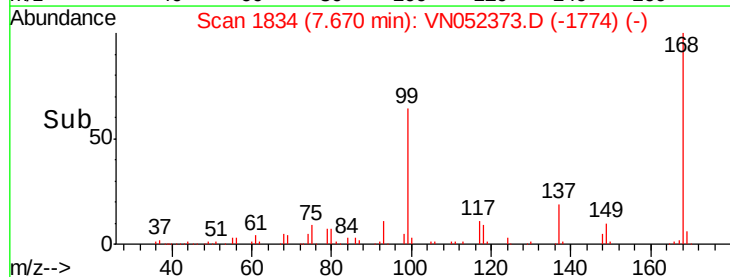
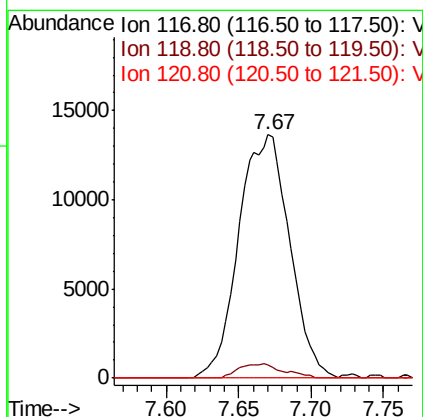
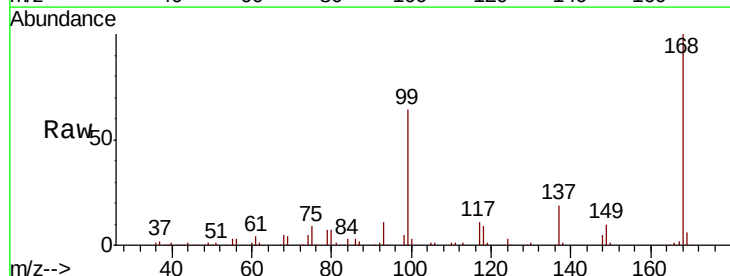
Instrument :
MSVOA_N
ClientSampleId :
VB44949

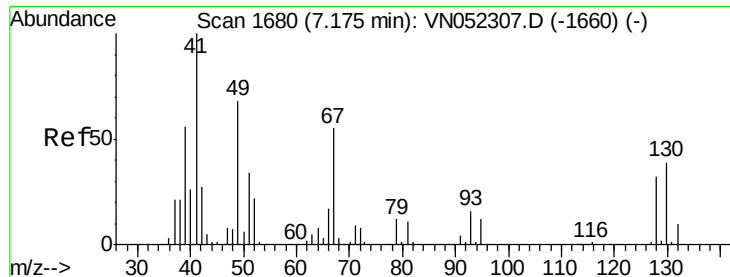
Tot Ion: 43 Resp: 16951
Ion Ratio Lower Upper
43 100
61 0.4 10.3 15.5#
70 0.0 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 7.114 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion: 117 Resp: 33241
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 24.0 36.0#

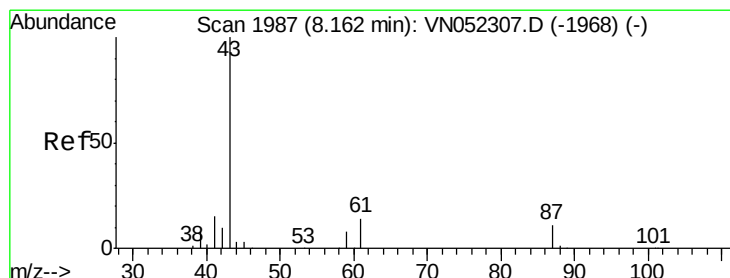
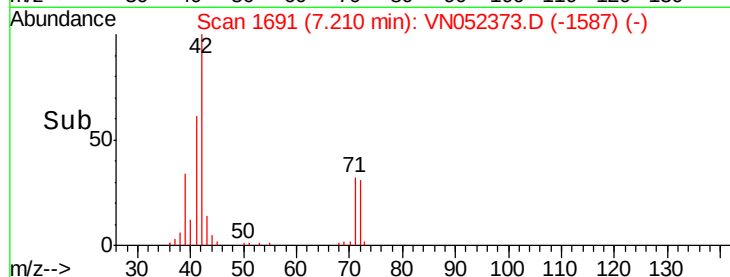
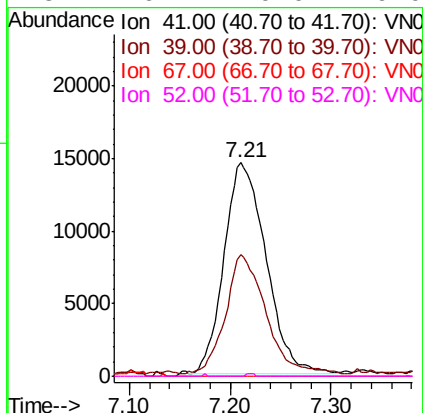
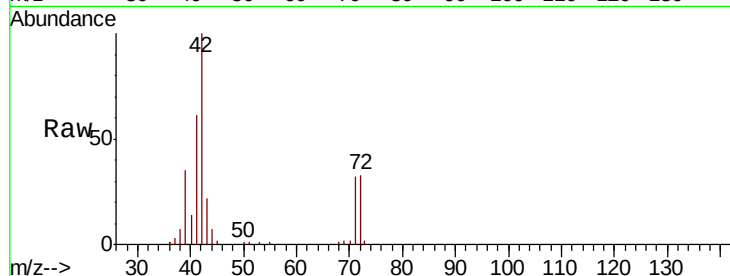




#41
Methacrylonitrile
Concen: 22.743 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

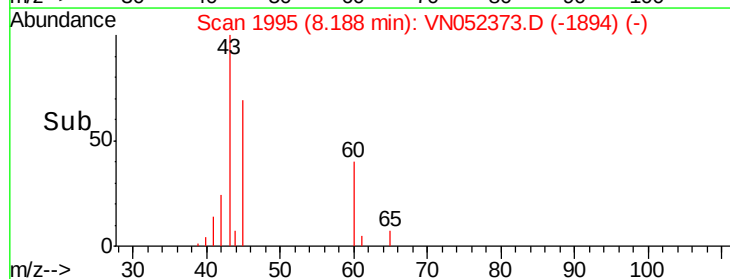
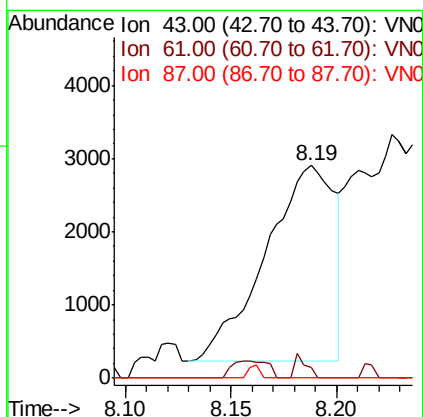
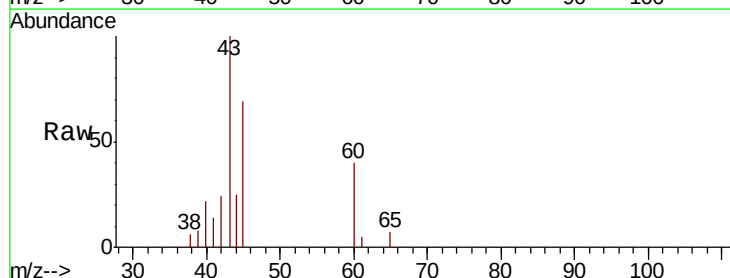
Instrument :
MSVOA_N
ClientSampled :
VB44949

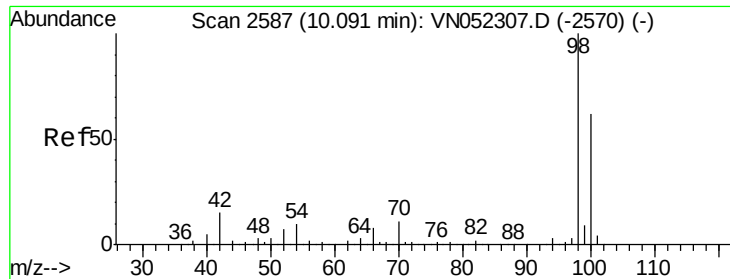
Tot Ion:	41	Resp:	42164
Ion	Ratio	Lower	Upper
41	100		
39	52.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.2	0.0	0.0#



#43
Isopropyl Acetate
Concen: 0.857 ug/l
RT: 8.19 min Scan# 1995
Delta R.T. 0.03 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion:	43	Resp:	6101
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
87	0.0	8.3	12.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

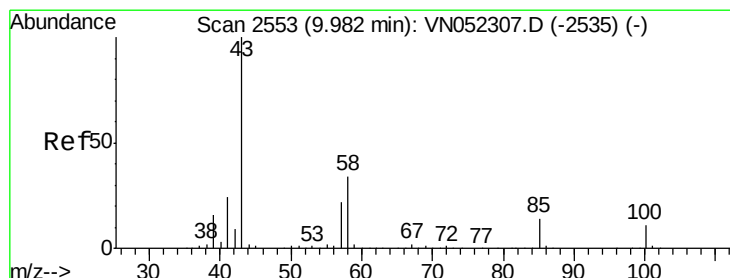
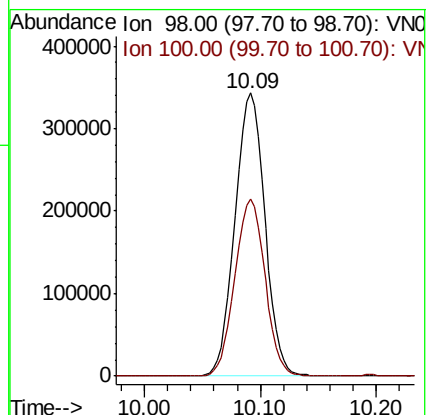
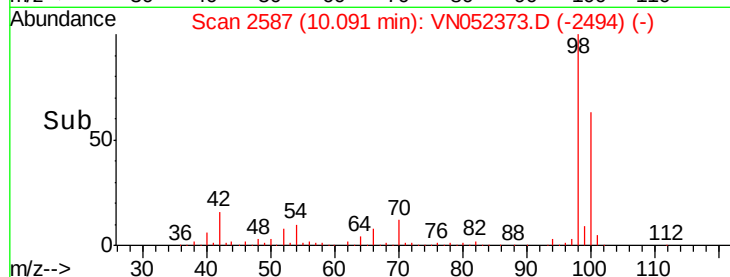
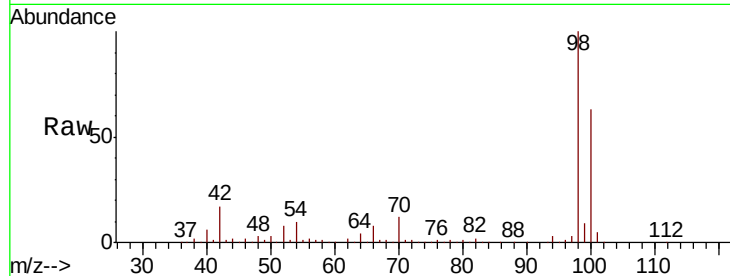
VB44949

Tot Ion: 98 Resp: 613238

Ion Ratio Lower Upper

98 100

100 63.1 49.5 74.3



#51

4-Methyl-2-Pentanone

Concen: 2.603 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052373.D

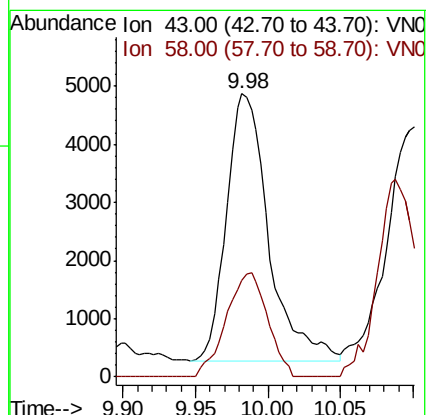
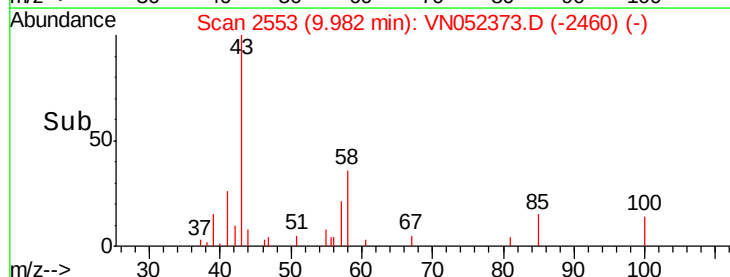
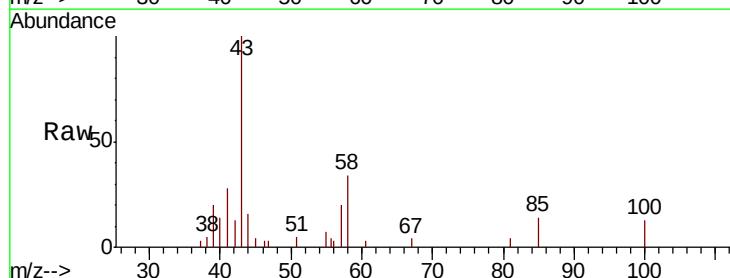
Acq: 16 Nov 2018 19:00

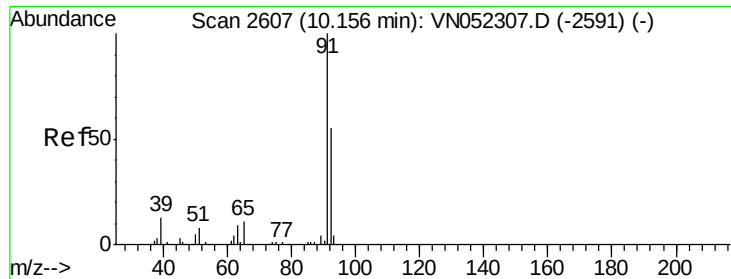
Tgt Ion: 43 Resp: 9331

Ion Ratio Lower Upper

43 100

58 37.9 27.0 40.6





#52

Toluene

Concen: 9.059 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

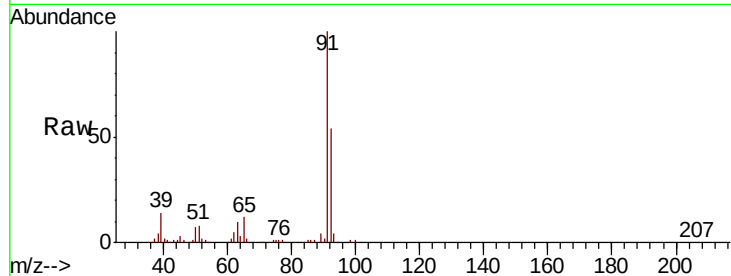
VB44949

Tot Ion: 92 Resp: 78736

Ion Ratio Lower Upper

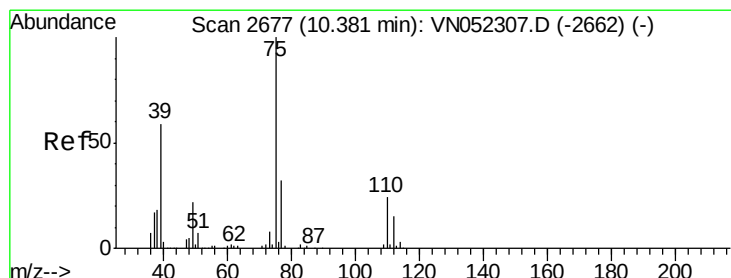
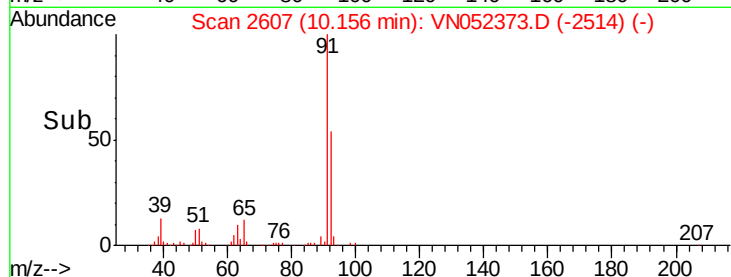
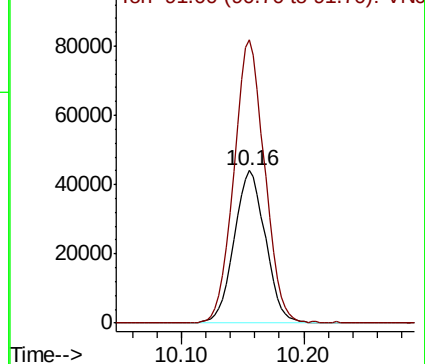
92 100

91 181.7 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.218 ug/l

RT: 10.16 min Scan# 2609

Delta R.T. -0.22 min

Lab File: VN052373.D

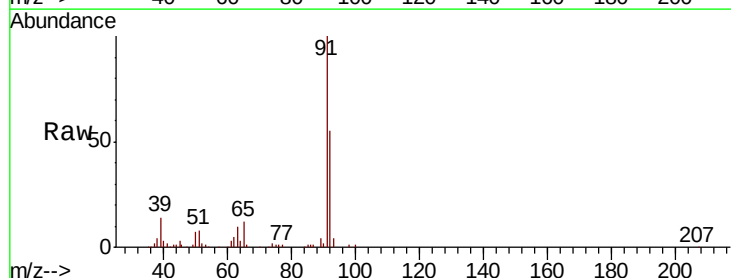
Acq: 16 Nov 2018 19:00

Tgt Ion: 75 Resp: 1075

Ion Ratio Lower Upper

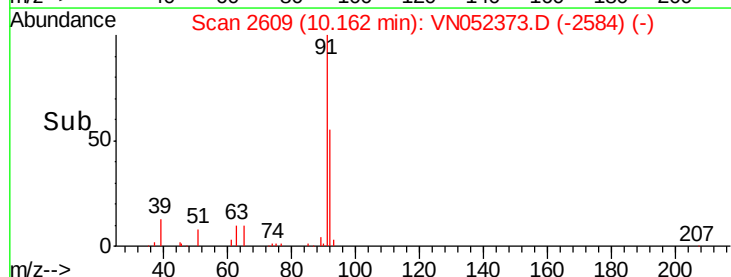
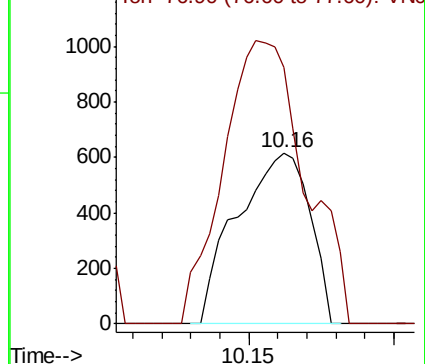
75 100

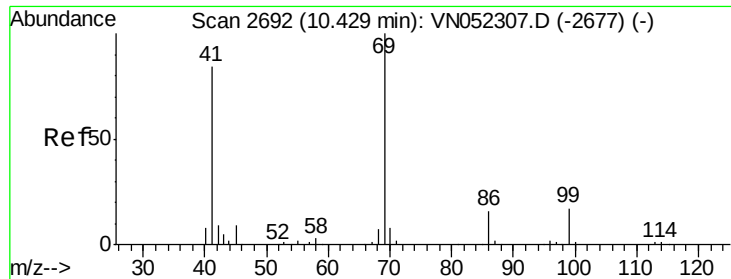
77 120.0 25.7 38.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#56

Ethyl methacrylate

Concen: 0.530 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.06 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

VB44949

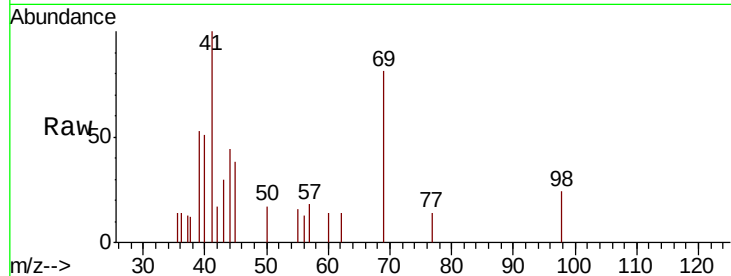
Tot Ion: 69 Resp: 2197

Ion Ratio Lower Upper

69 100

41 112.5 64.8 97.2#

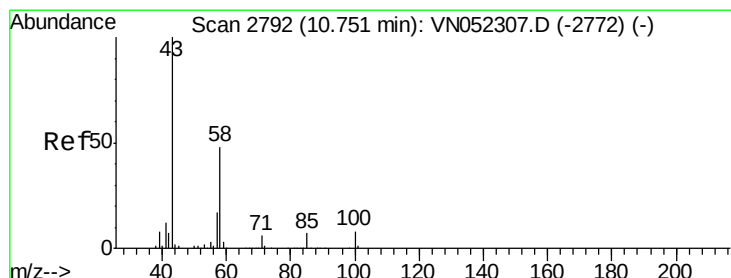
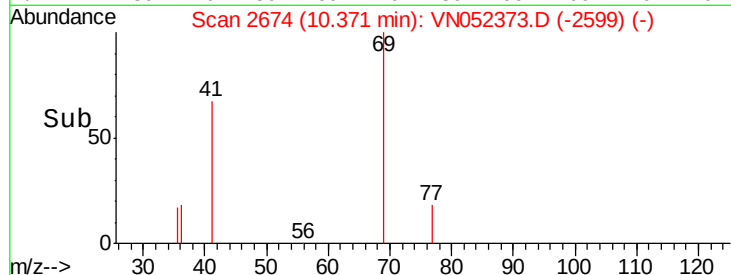
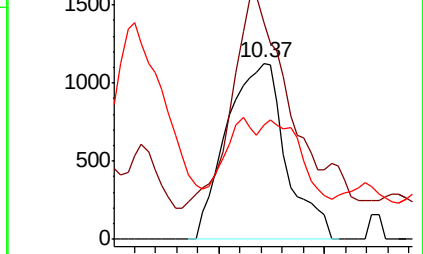
39 19.5 41.0 61.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 2.105 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052373.D

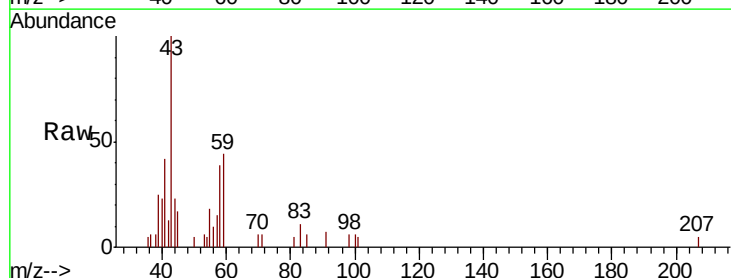
Acq: 16 Nov 2018 19:00

Tgt Ion: 43 Resp: 5190

Ion Ratio Lower Upper

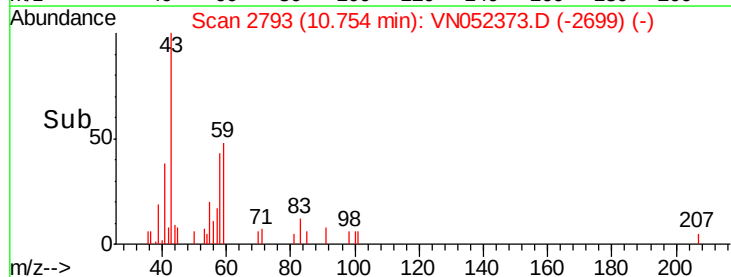
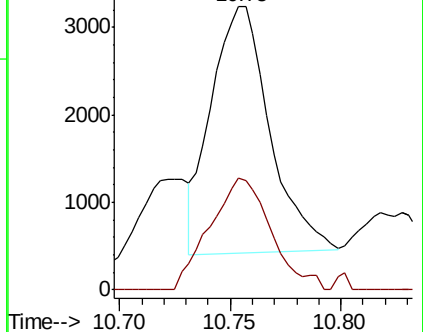
43 100

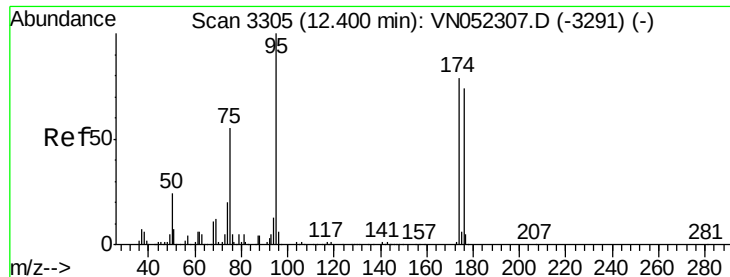
58 47.5 23.5 70.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

VB44949

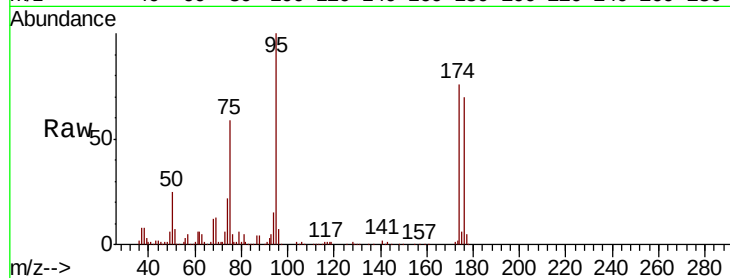
Tot Ion: 95 Resp: 185847

Ion Ratio Lower Upper

95 100

174 75.0 0.0 156.0

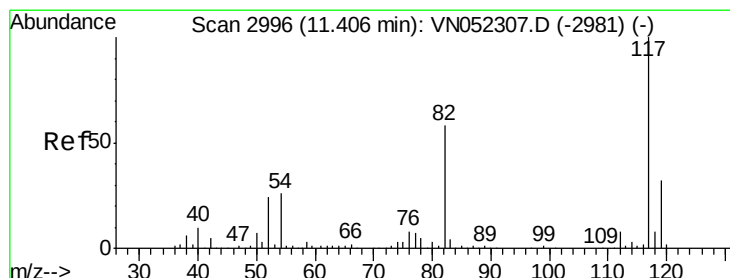
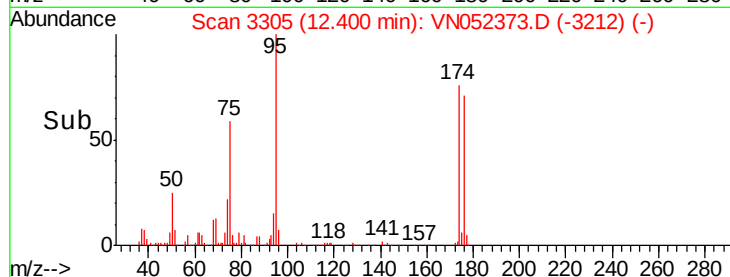
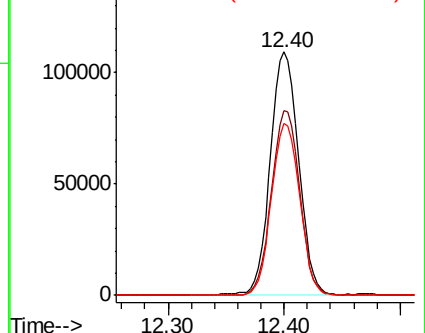
176 70.0 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052373.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052373.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052373.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

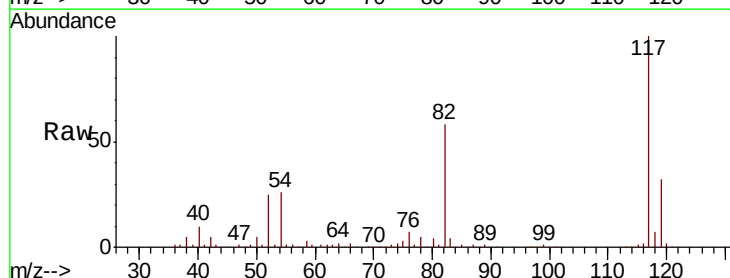
Tgt Ion: 117 Resp: 414851

Ion Ratio Lower Upper

117 100

82 58.2 46.5 69.7

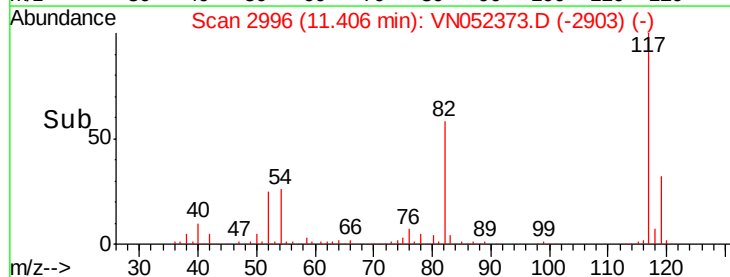
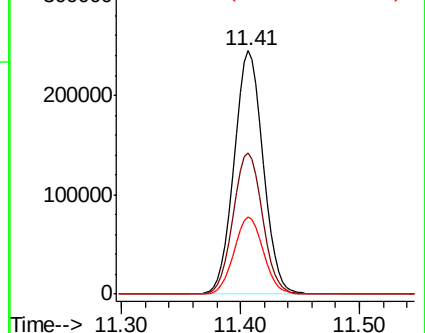
119 31.7 25.7 38.5

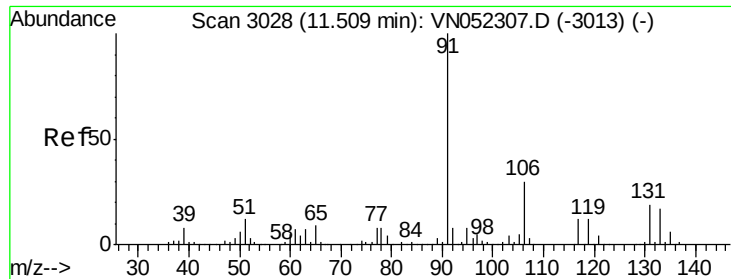


Abundance Ion 116.90 (116.60 to 117.60): VN052373.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052373.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052373.D (-2903) (-)

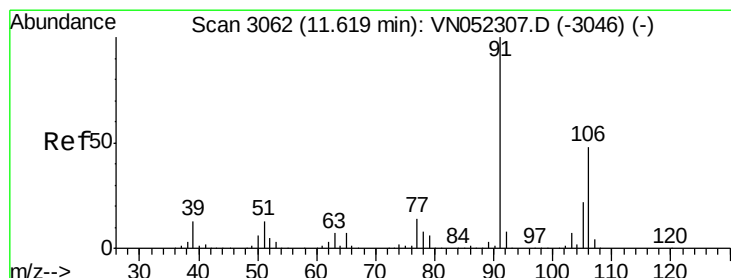
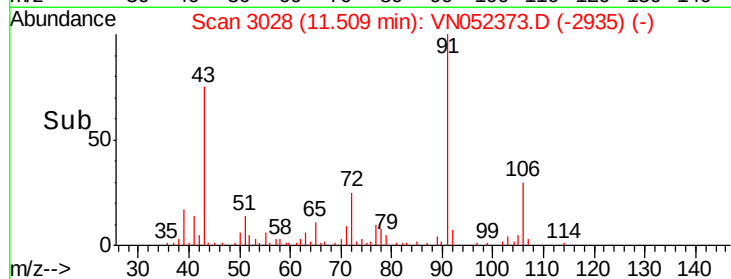
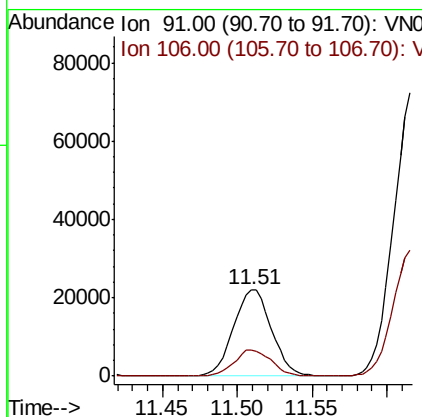
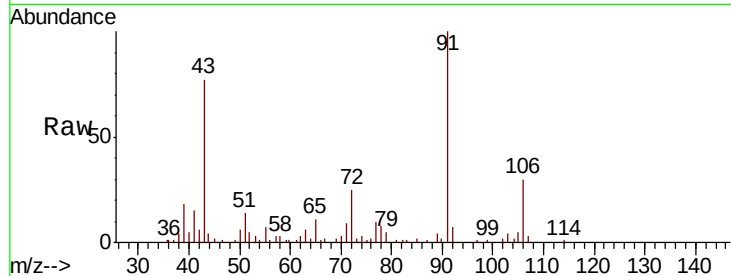




#67
Ethyl Benzene
Concen: 2.576 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

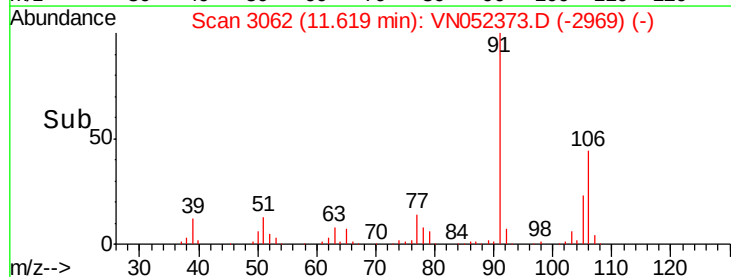
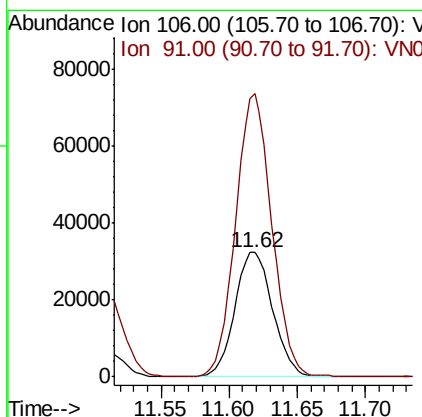
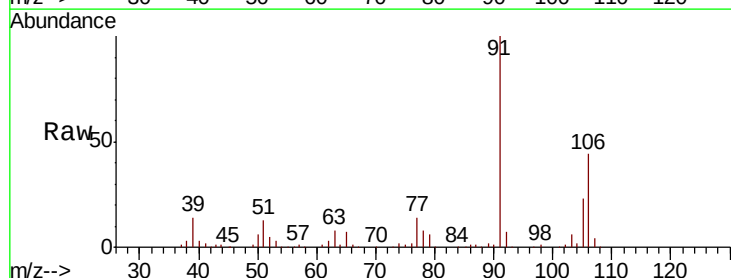
Instrument :
MSVOA_N
ClientSampled :
VB44949

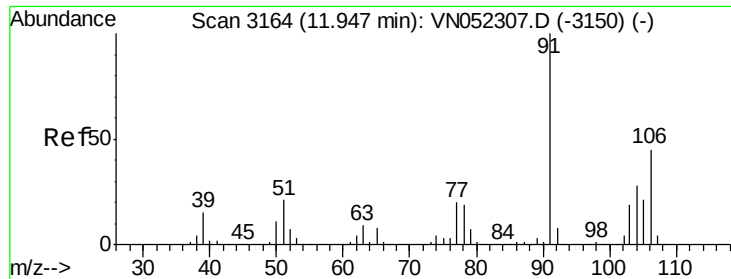
Tot Ion: 91 Resp: 39208
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2



#68
m/p-Xylenes
Concen: 11.193 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion: 106 Resp: 62243
Ion Ratio Lower Upper
106 100
91 217.7 165.5 248.3

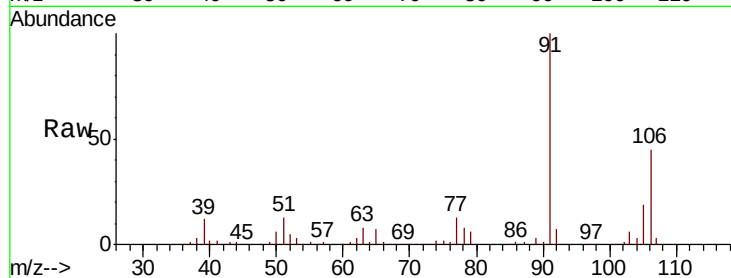




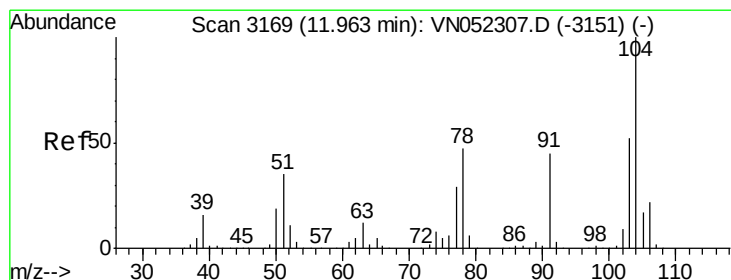
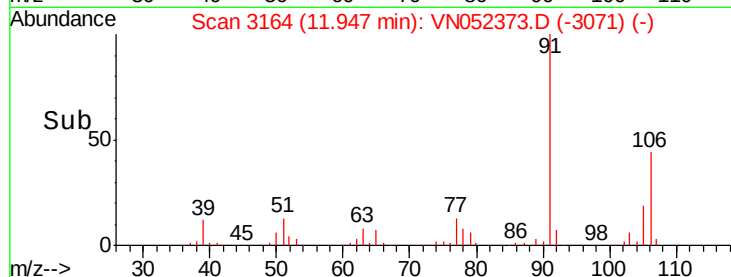
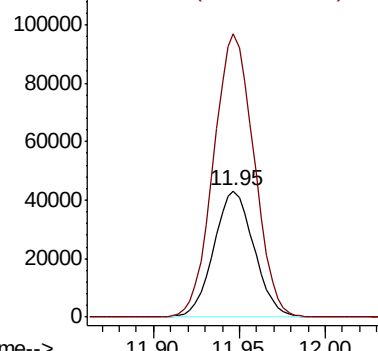
#69
o-Xylene
Concen: 13.191 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Instrument :
MSVOA_N
ClientSampled :
VB44949

Tot Ion:106 Resp: 70313
Ion Ratio Lower Upper
106 100
91 225.7 110.0 330.0

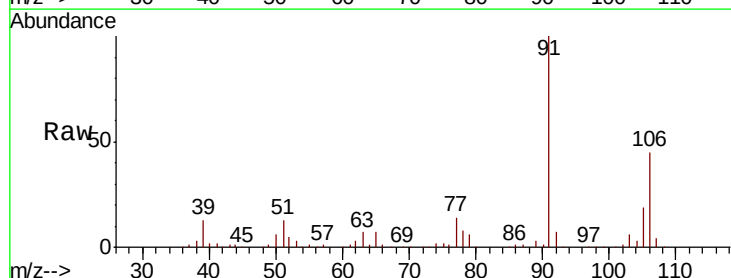


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

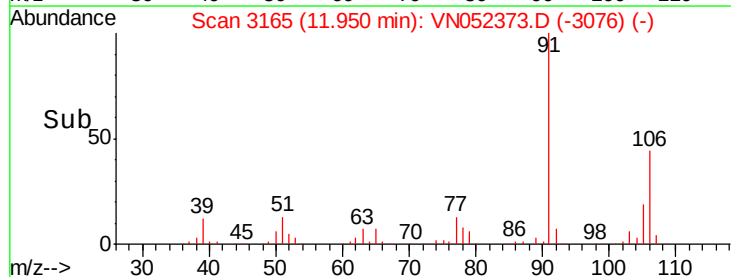
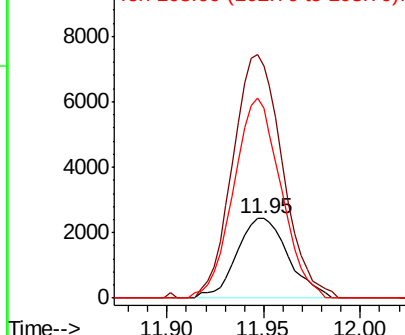


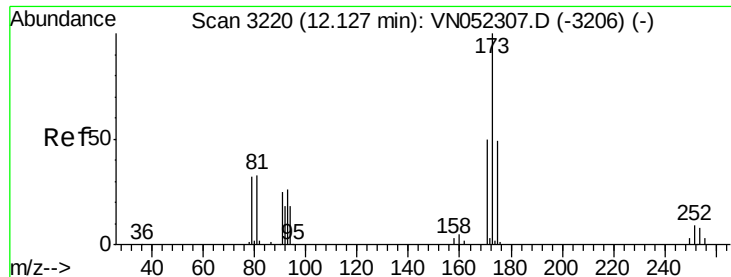
#70
Styrene
Concen: 0.529 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion:104 Resp: 4511
Ion Ratio Lower Upper
104 100
78 294.5 42.7 64.1#
103 230.5 45.4 68.0#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 1.056 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

VB44949

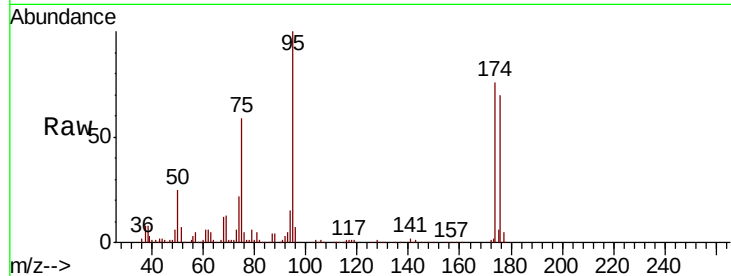
Tot Ion:173 Resp: 1864

Ion Ratio Lower Upper

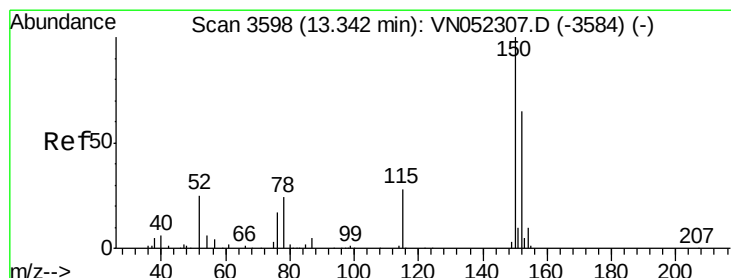
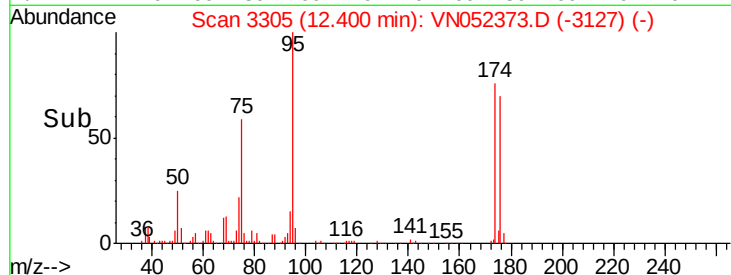
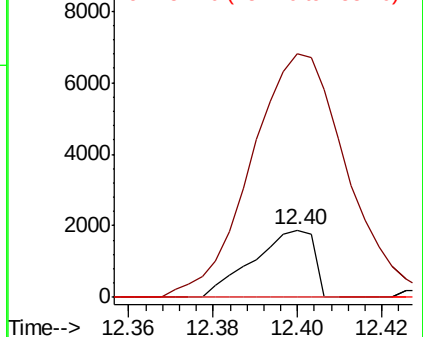
173 100

175 519.4 25.0 75.0#

254 0.0 0.0 0.0



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: VN052373.D

Acq: 16 Nov 2018 19:00

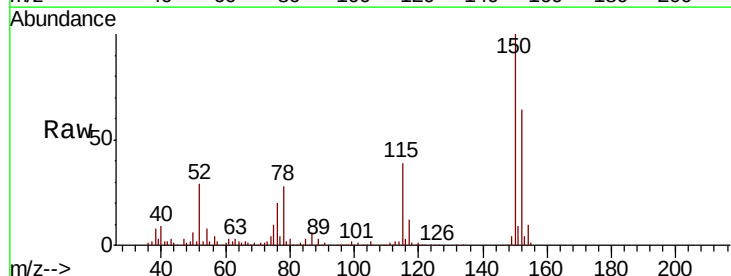
Tgt Ion:152 Resp: 155483

Ion Ratio Lower Upper

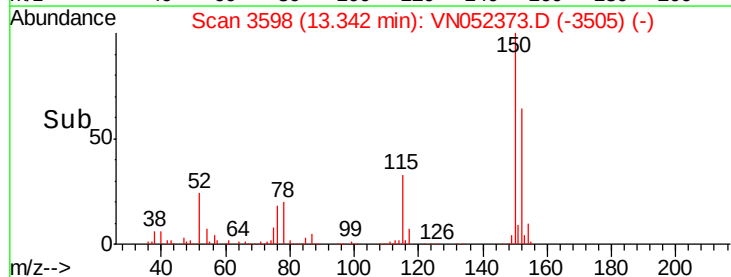
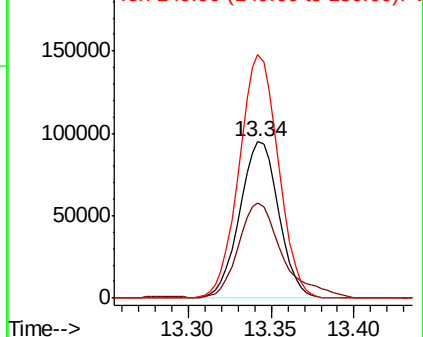
152 100

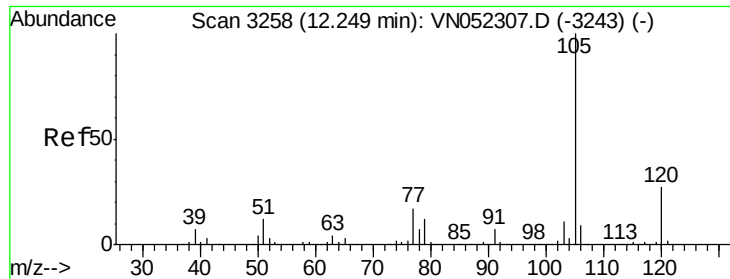
115 68.6 30.3 91.0

150 155.9 0.0 348.2



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: 1.253 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

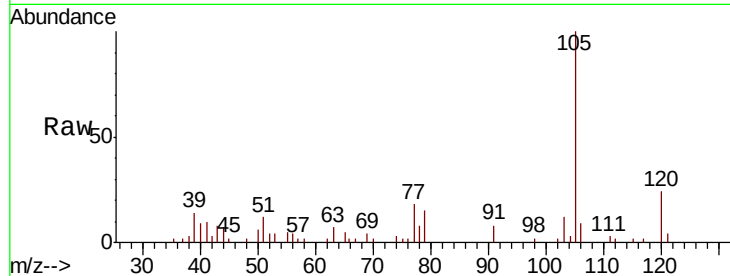
VB44949

Tot Ion:105 Resp: 15664

Ion Ratio Lower Upper

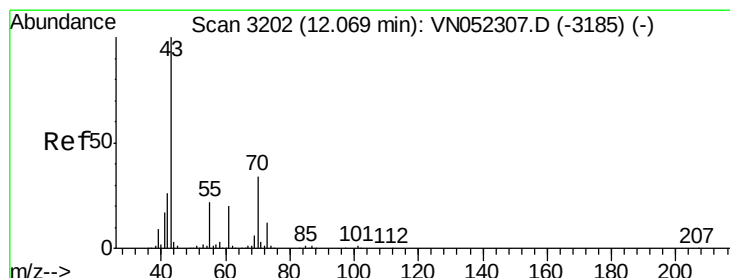
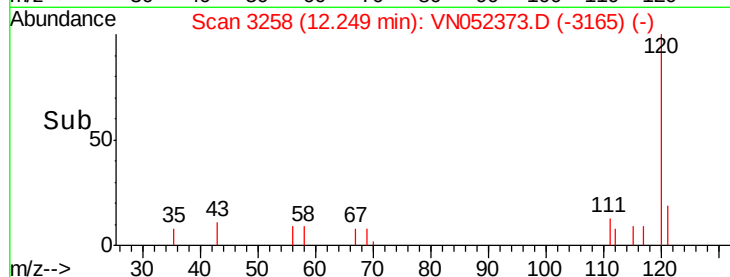
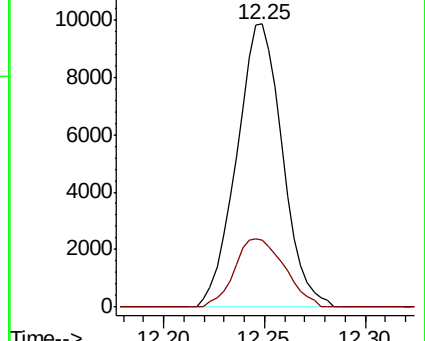
105 100

120 26.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.398 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.04 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Tgt Ion: 43 Resp: 1773

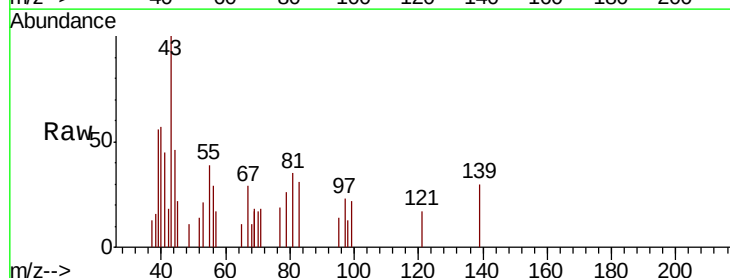
Ion Ratio Lower Upper

43 100

70 13.5 27.1 40.7#

55 16.8 17.4 26.0#

61 0.0 16.1 24.1#

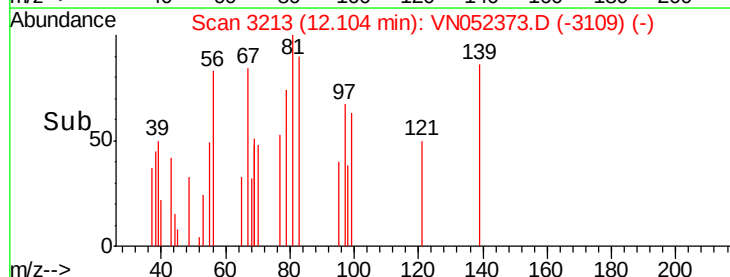
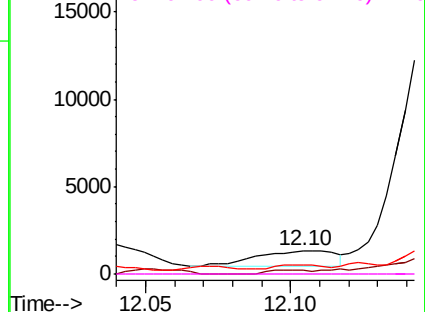


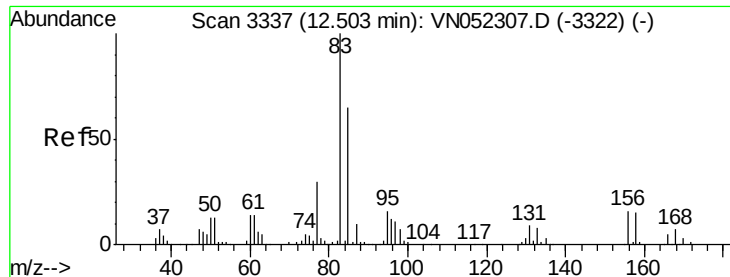
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 0.360 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.02 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

VB44949

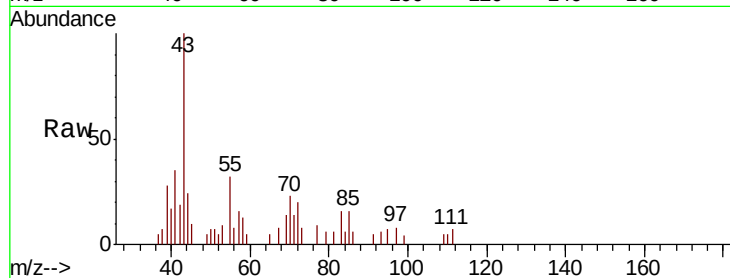
Tot Ion: 83 Resp: 1089

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

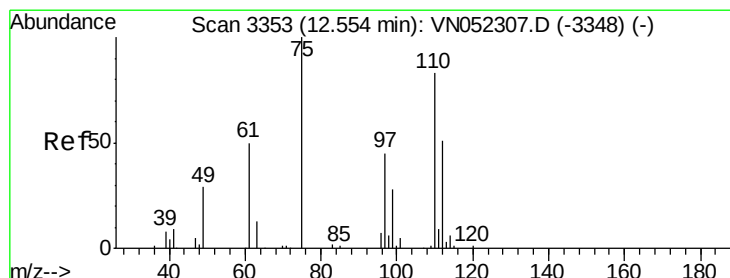
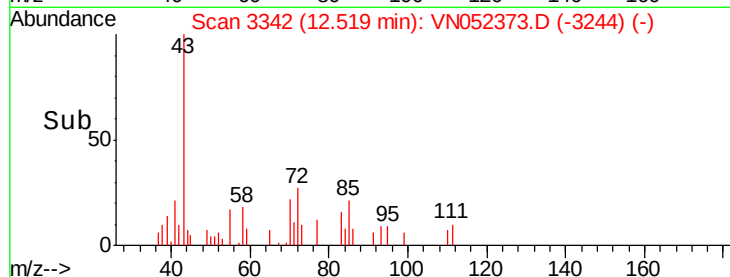
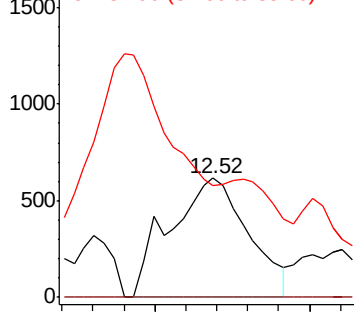
85 0.0 32.4 97.2#



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: 39.580 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052373.D

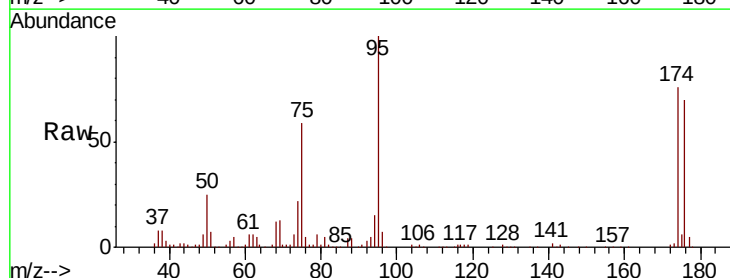
Acq: 16 Nov 2018 19:00

Tgt Ion: 75 Resp: 104423

Ion Ratio Lower Upper

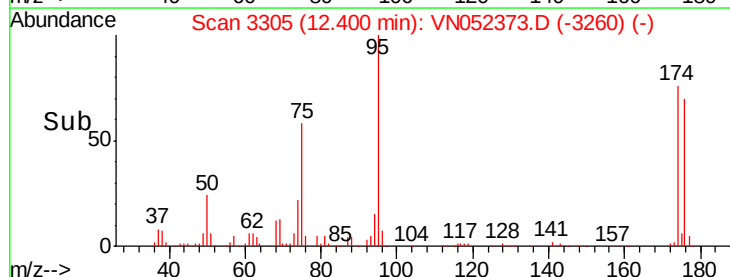
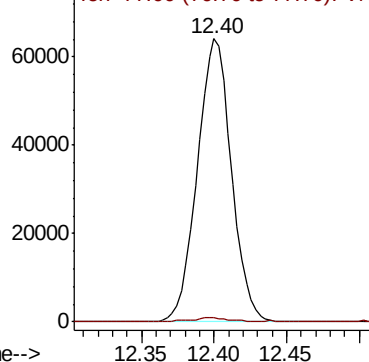
75 100

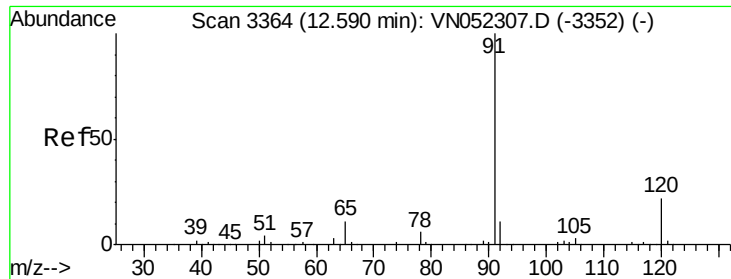
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 3.293 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

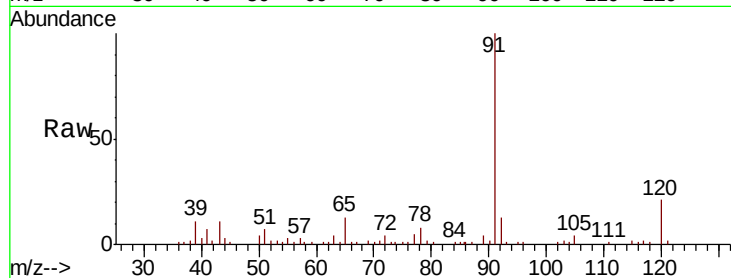
VB44949

Tot Ion: 91 Resp: 48150

Ion Ratio Lower Upper

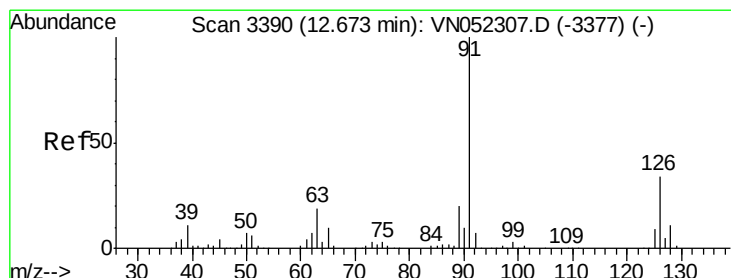
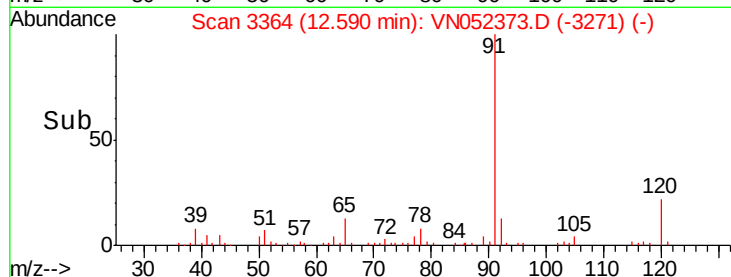
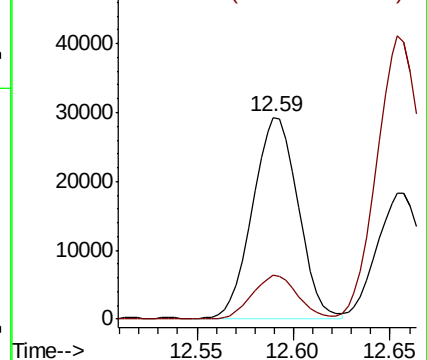
91 100

120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.311 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN052373.D

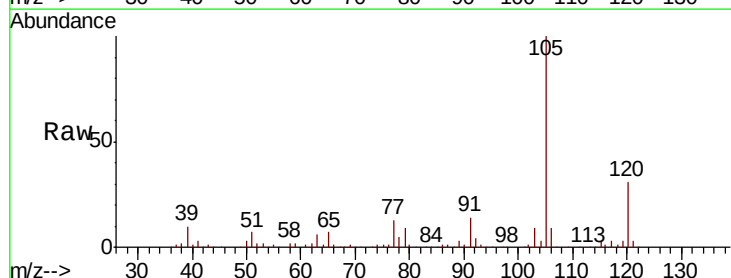
Acq: 16 Nov 2018 19:00

Tgt Ion: 91 Resp: 28275

Ion Ratio Lower Upper

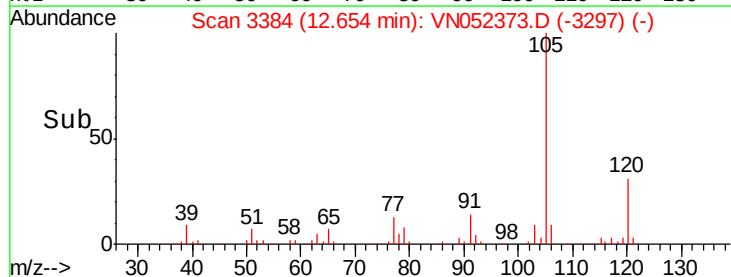
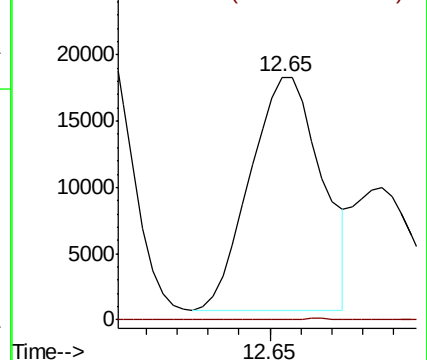
91 100

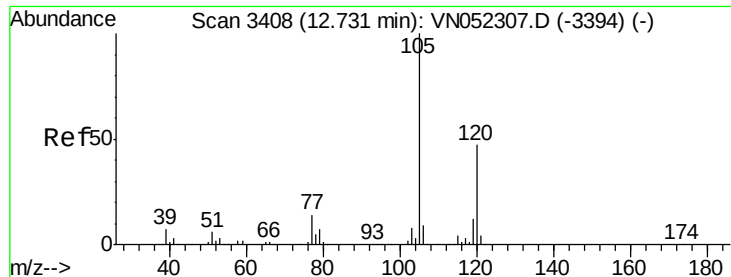
126 0.2 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 13.264 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

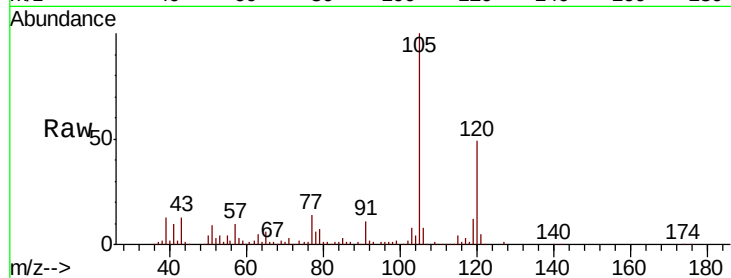
VB44949

Tot Ion:105 Resp: 131857

Ion Ratio Lower Upper

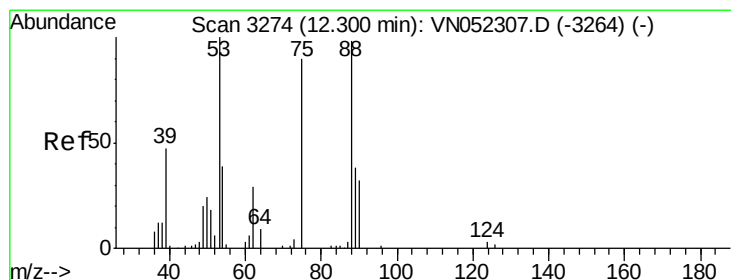
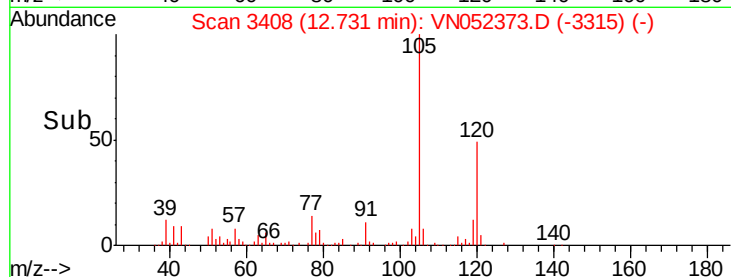
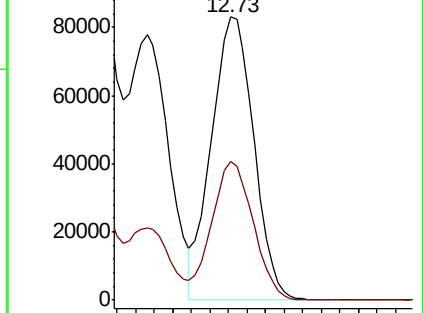
105 100

120 47.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 128.374 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

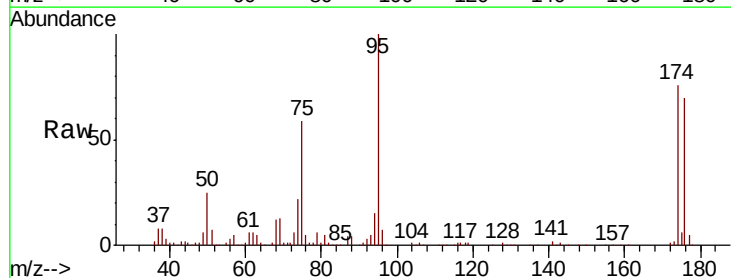
Tgt Ion: 75 Resp: 104423

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

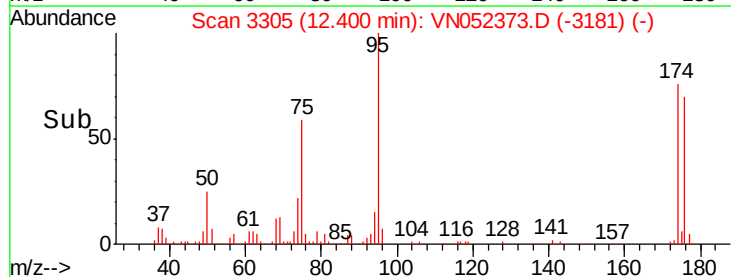
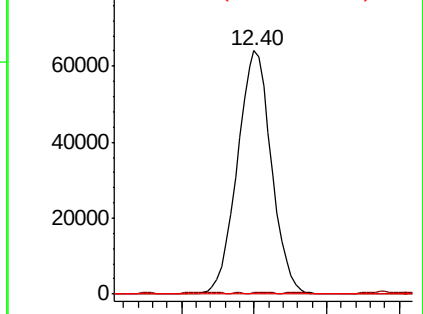
89 0.0 35.4 53.0#

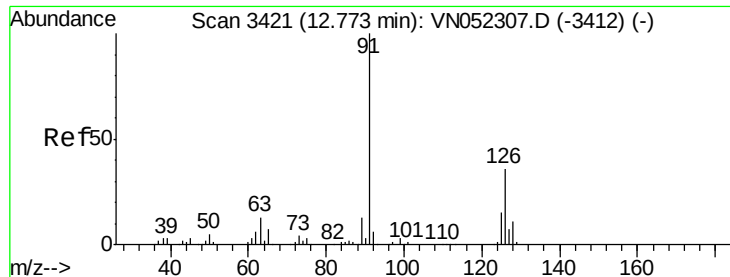


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

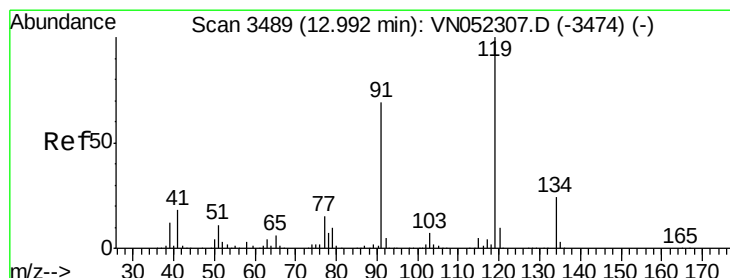
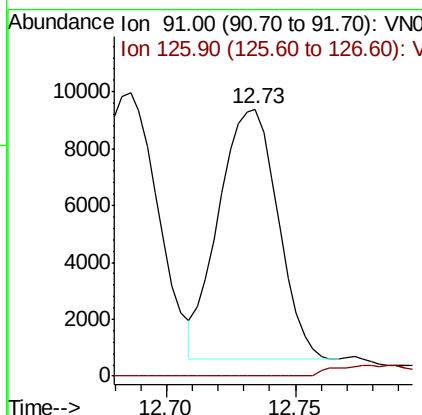
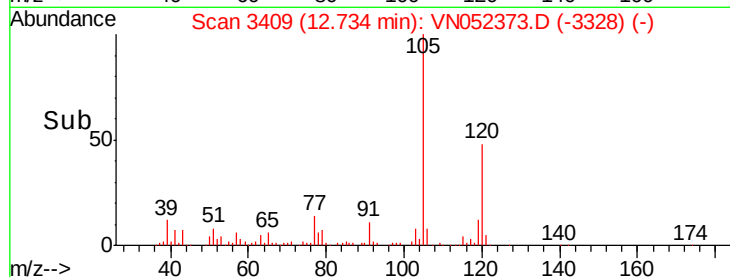
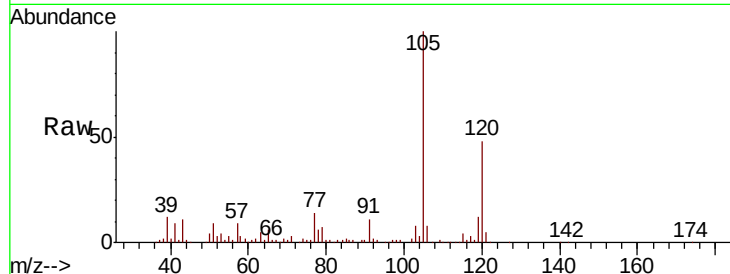




#82
4-Chlorotoluene
Concen: 1.601 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

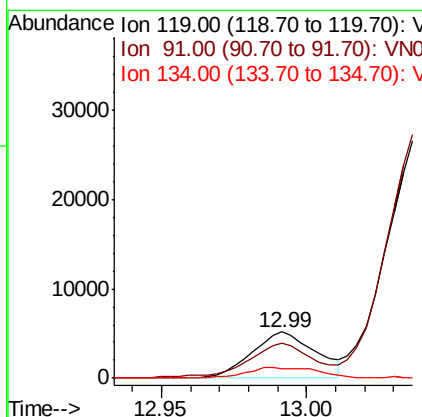
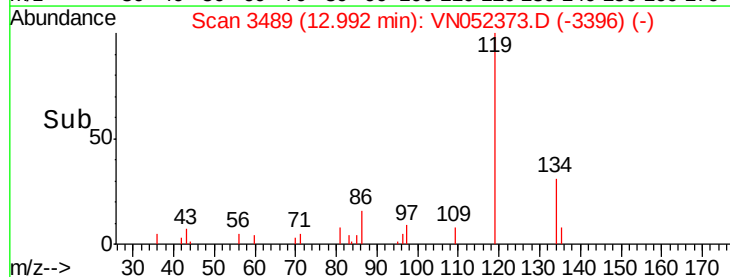
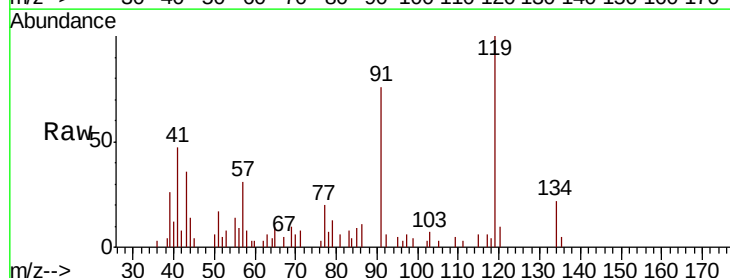
Instrument :
MSVOA_N
ClientSampled :
VB44949

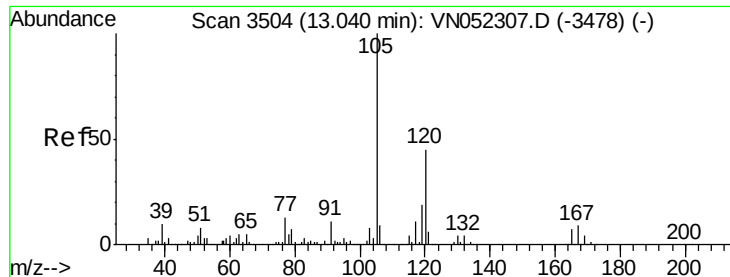
Tot Ion: 91 Resp: 14010
Ion Ratio Lower Upper
91 100
126 0.0 17.0 50.9#



#83
tert-Butylbenzene
Concen: 0.901 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052373.D
Acq: 16 Nov 2018 19:00

Tgt Ion: 119 Resp: 7907
Ion Ratio Lower Upper
119 100
91 75.9 33.8 101.3
134 25.5 11.9 35.9





#84

1,2,4-Trimethylbenzene

Concen: 37.034 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampled :

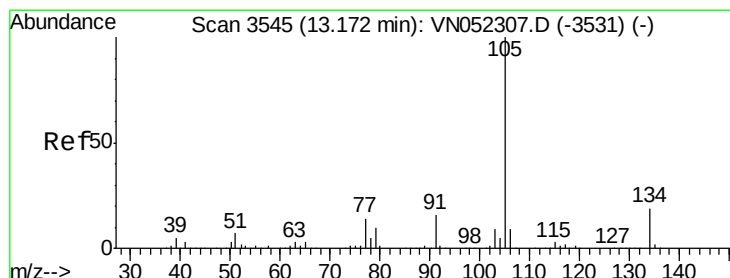
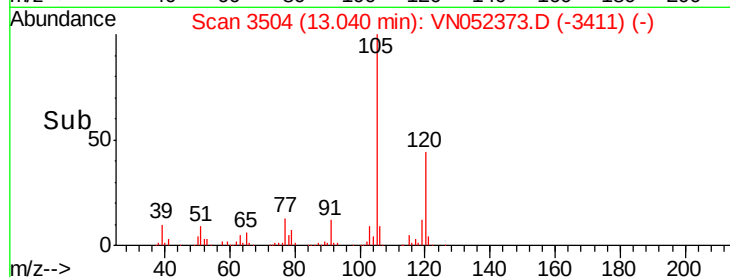
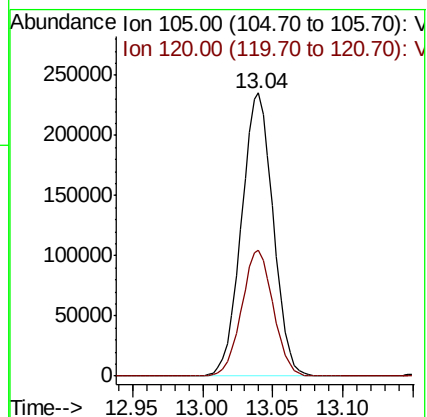
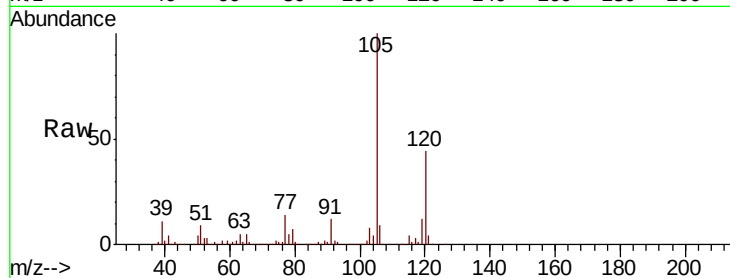
VB44949

Tot Ion:105 Resp: 369590

Ion Ratio Lower Upper

105 100

120 44.6 22.5 67.5



#85

sec-Butylbenzene

Concen: 1.807 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052373.D

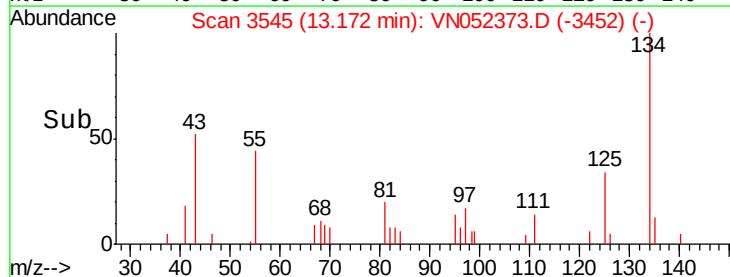
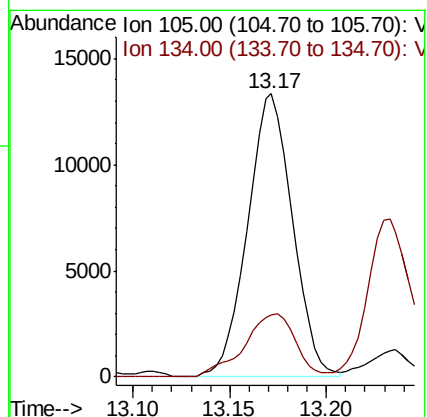
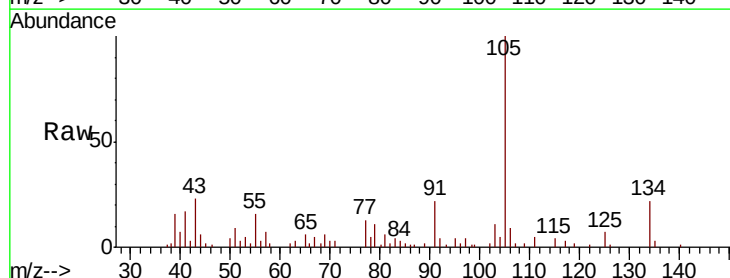
Acq: 16 Nov 2018 19:00

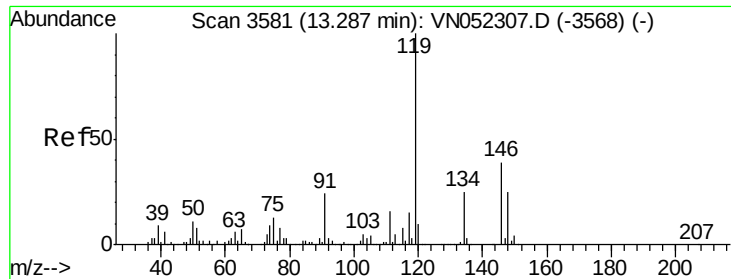
Tgt Ion:105 Resp: 21601

Ion Ratio Lower Upper

105 100

134 25.4 9.5 28.5

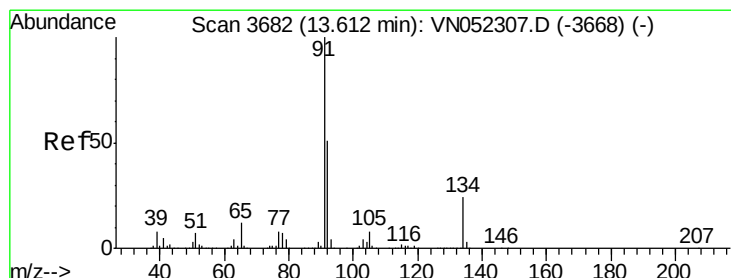
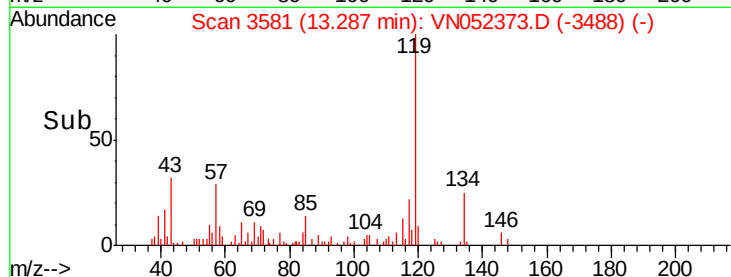
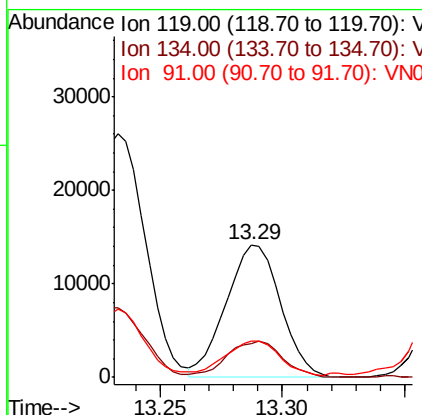
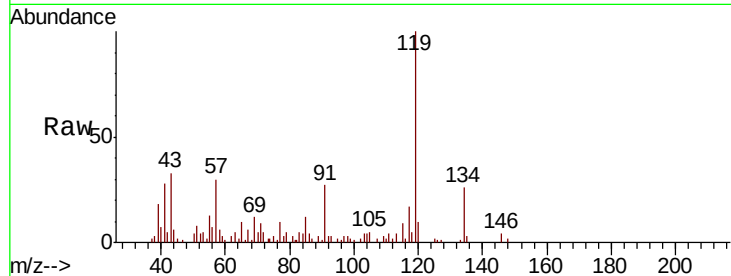




#86
 p-Isopropyltoluene
 Concen: 2.174 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

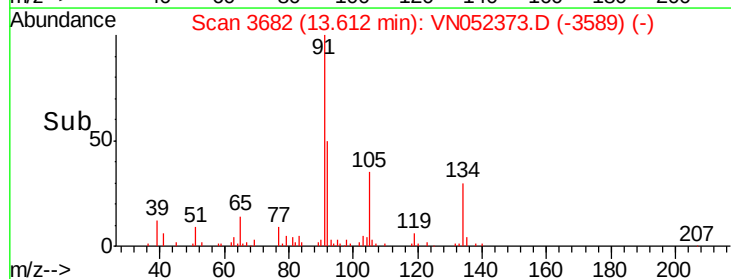
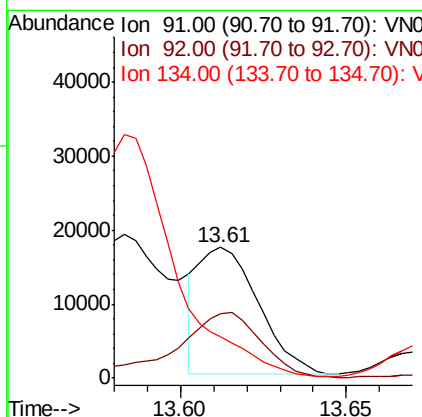
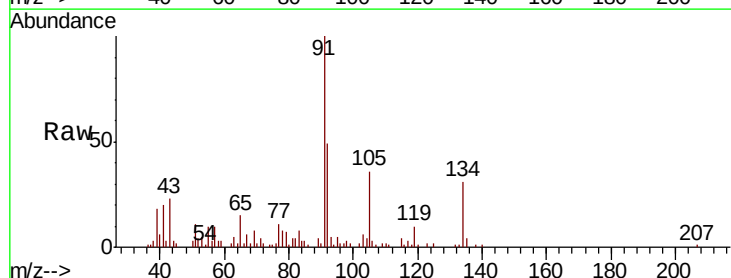
Instrument :
 MSVOA_N
 ClientSampleId :
 VB44949

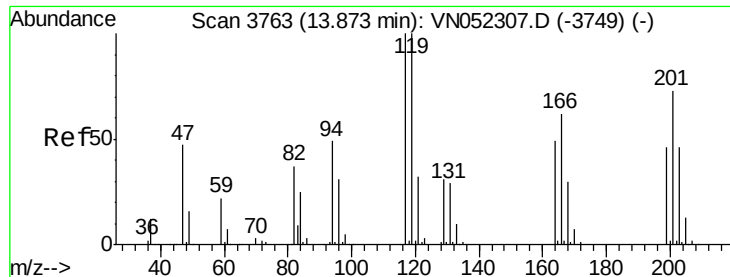
Tot Ion: 119 Resp: 22020
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.0 38.9
 91 25.4 12.4 37.0



#89
 n-Butylbenzene
 Concen: 2.449 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Tgt Ion: 91 Resp: 21305
 Ion Ratio Lower Upper
 91 100
 92 73.6 25.4 76.2
 134 0.0 12.2 36.4#





#90

Hexachloroethane

Concen: 8.348 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

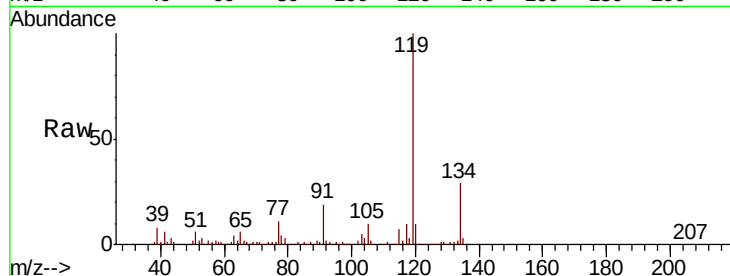
VB44949

Tot Ion:117 Resp: 14974

Ion Ratio Lower Upper

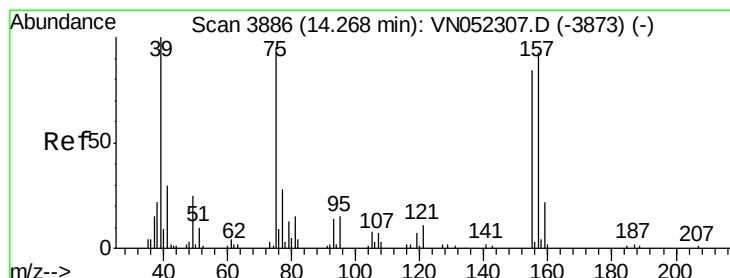
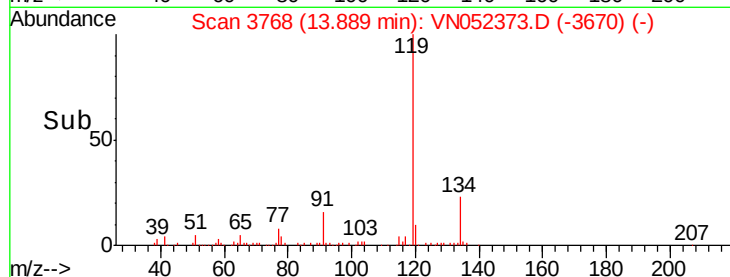
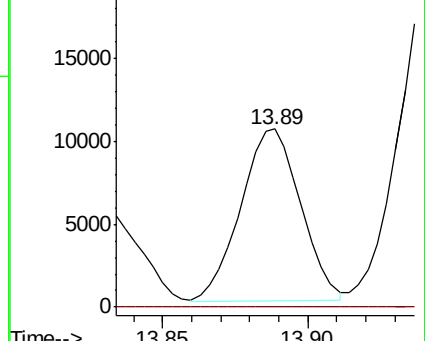
117 100

201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.909 ug/l

RT: 14.29 min Scan# 3892

Delta R.T. 0.02 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

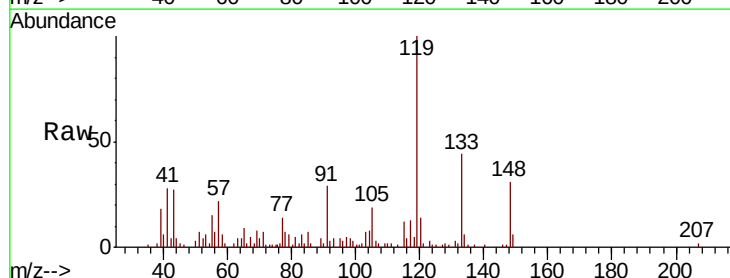
Tgt Ion: 75 Resp: 405

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.3#

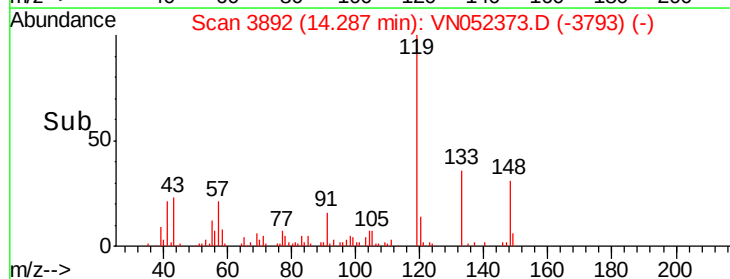
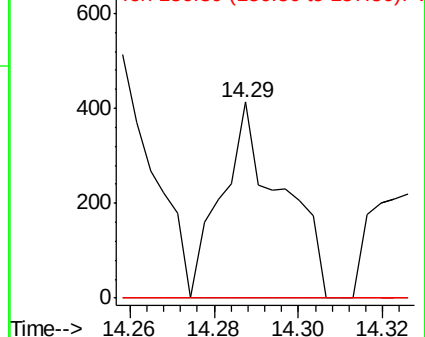
157 0.0 49.6 149.0#

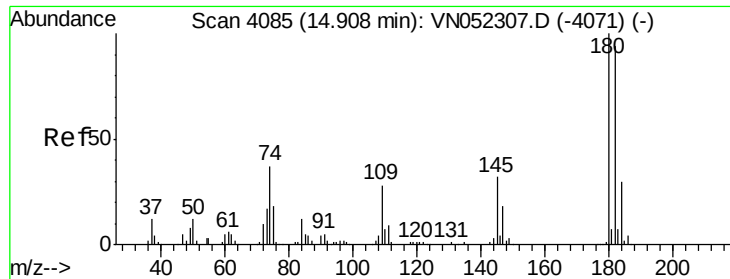


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

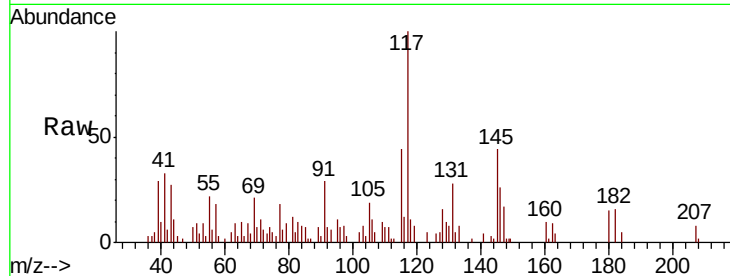




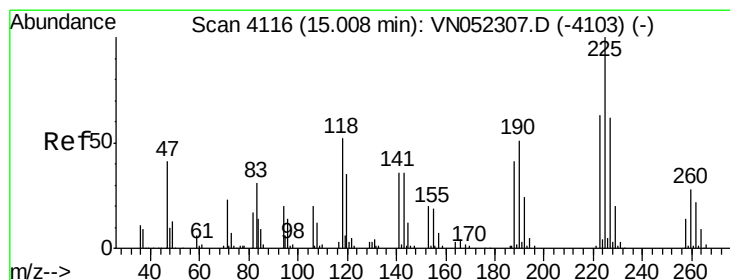
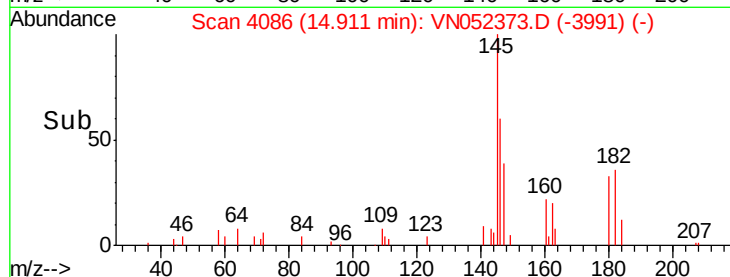
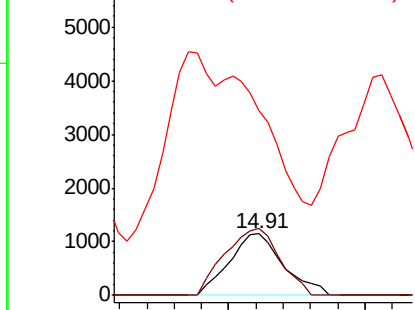
#93
 1,2,4-Trichlorobenzene
 Concen: 2.909 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Instrument :
 MSVOA_N
 ClientSampled :
 VB44949

Tot Ion:180 Resp: 1590
 Ion Ratio Lower Upper
 180 100
 182 109.3 47.6 142.9
 145 0.0 15.5 46.5#

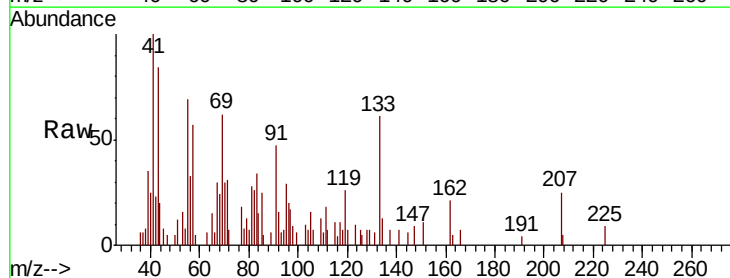


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

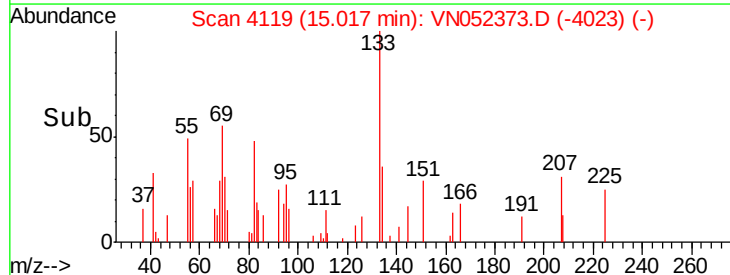
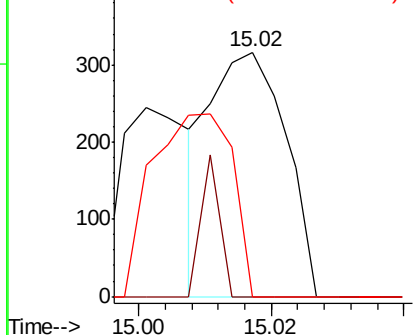


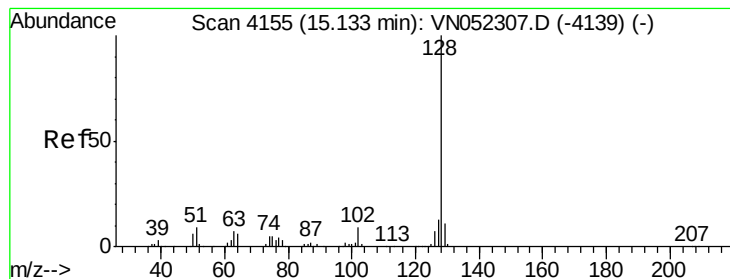
#94
 Hexachlorobutadiene
 Concen: 0.218 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN052373.D
 Acq: 16 Nov 2018 19:00

Tgt Ion:225 Resp: 250
 Ion Ratio Lower Upper
 225 100
 223 14.0 31.9 95.5#
 227 79.6 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 13.723 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

VB44949

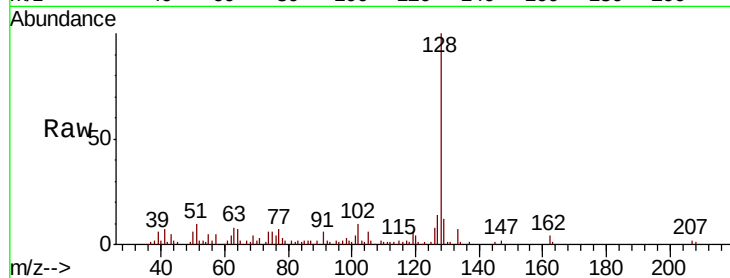
Tot Ion:128 Resp: 64560

Ion Ratio Lower Upper

128 100

127 14.7 10.4 15.6

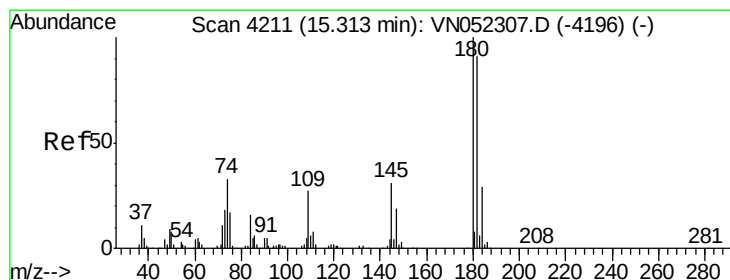
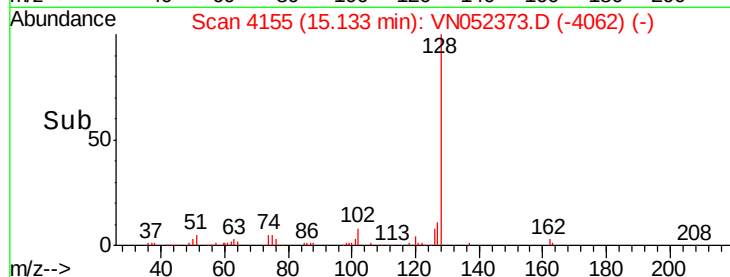
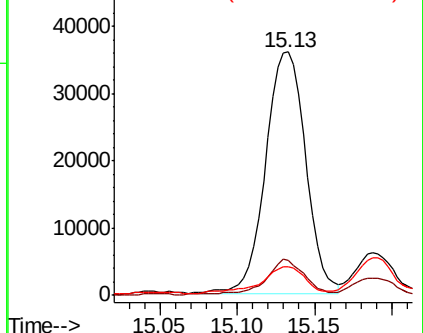
129 13.3 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.092 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052373.D

Acq: 16 Nov 2018 19:00

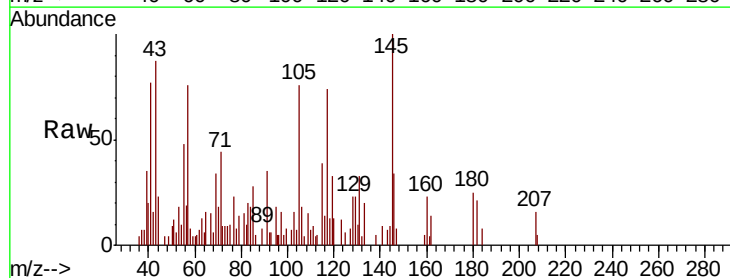
Tgt Ion:180 Resp: 2076

Ion Ratio Lower Upper

180 100

182 75.8 46.5 139.3

145 0.0 16.4 49.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

