

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061404.D
 Acq On : 14 May 2020 20:02
 Operator : JC/MD
 Sample : L2642-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 05:55:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	18633	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	106810	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	92990	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	50788	30.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.47%
60) 4-Bromofluorobenzene	12.38	95	46342	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	10.06	98	134007	31.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.73%

Target Compounds

					Ovalue
4) Vinyl Chloride	2.16	62	1176	0.566	ug/l 97
8) Diethyl Ether	3.37	74	2850	4.027	ug/l 82
14) Acrylonitrile	4.73	53	7959	13.949	ug/l # 12
15) Acetone	3.78	58	6791	49.565	ug/l 87
16) Carbon Disulfide	4.01	76	1604	0.570	ug/l # 75
22) cis-1,2-Dichloroethene	6.78	96	1493	1.069	ug/l # 1
23) tert-Butyl Alcohol	4.73	59	1089001	5954.379	ug/l # 100
24) Methyl tert-Butyl Ether	4.98	73	6460	1.590	ug/l # 52
30) 2-Butanone	6.78	43	64710	81.616	ug/l # 71
31) 2,2-Dichloropropane	6.77	77	74948	34.227	ug/l # 53
34) Benzene	8.00	78	38906	7.337	ug/l # 81
35) Methacrylonitrile	7.17	41	219390	275.877	ug/l # 63
36) 1,2-Dichloroethane	8.09	62	1345	0.661	ug/l # 77
45) 1,4-Dioxane	9.17	88	2160	166.458	ug/l 97
50) 1,1,2-Trichloroethane	10.43	97	607	0.488	ug/l # 32
55) 2-Chloroethyl vinyl ether	10.13	63	3913	4.122	ug/l # 1
56) Bromoform	12.38	173	250	0.291	ug/l # 1
58) 4-Methyl-2-Pentanone	9.95	43	7548	4.454	ug/l # 78
59) 2-Hexanone	10.69	43	154805	129.155	ug/l # 35
62) Toluene	10.12	91	41232	7.647	ug/l 98
64) Chlorobenzene	11.41	112	6101	1.912	ug/l 100
66) Ethyl Benzene	11.48	91	41424	6.694	ug/l 100
67) m/p-Xylenes	11.59	106	33555	14.685	ug/l 100
68) o-Xylene	11.92	106	20555	9.425	ug/l 97
69) Styrene	11.94	104	3460	0.922	ug/l # 3
70) Isopropylbenzene	12.22	105	5265	0.891	ug/l 95
71) 1,1,2,2-Tetrachloroethane	12.56	83	599	0.367	ug/l # 82
74) n-propylbenzene	12.56	91	1963	0.279	ug/l 93
75) 2-Chlorotoluene	12.64	91	3097	0.769	ug/l 67
76) 1,3,5-Trimethylbenzene	12.71	105	5858	1.181	ug/l 97
77) t-1,4-Dichloro-2-butene	12.21	75	810	1.250	ug/l # 40
78) 4-Chlorotoluene	12.64	91	3097	0.734	ug/l 68
79) tert-butylbenzene	13.21	119	1727	0.419	ug/l 67
80) 1,2,4-Trimethylbenzene	13.01	105	24271	4.904	ug/l 98
82) p-Isopropyltoluene	13.26	119	19187	3.755	ug/l 97
83) 1,3-Dichlorobenzene	13.34	146	14755	6.469	ug/l 97
84) 1,4-Dichlorobenzene	13.34	146	14755	6.536	ug/l 96

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 15 05:55:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

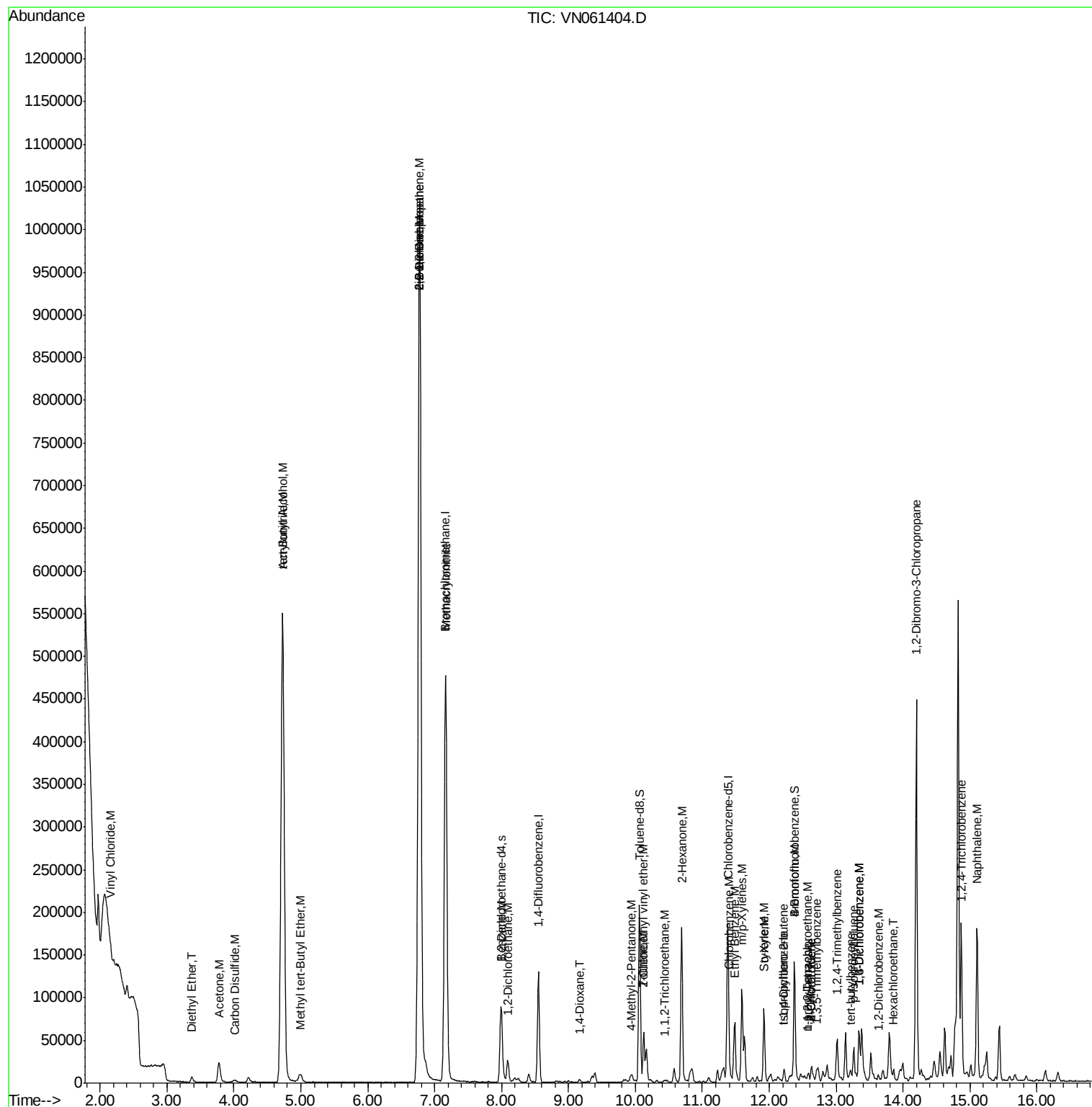
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Hexachloroethane	13.87	117	229	0.321	ug/l #	11
87) 1,2-Dichlorobenzene	13.63	146	1877	0.867	ug/l	93
88) 1,2-Dibromo-3-Chloropropan	14.20	75	185	0.532	ug/l #	7
89) 1,2,4-Trichlorobenzene	14.89	180	259	0.208	ug/l #	60
91) Naphthalene	15.10	128	140339	35.891	ug/l	99

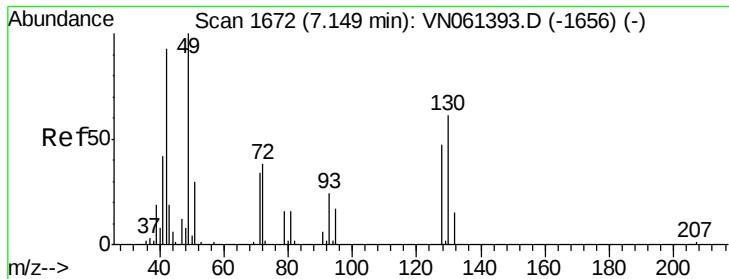
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :
MSVOA_N
ClientSampled :

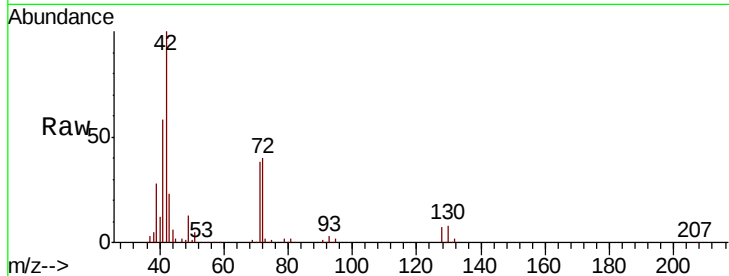
Tot Ion:128 Resp: 18633

Ion Ratio Lower Upper

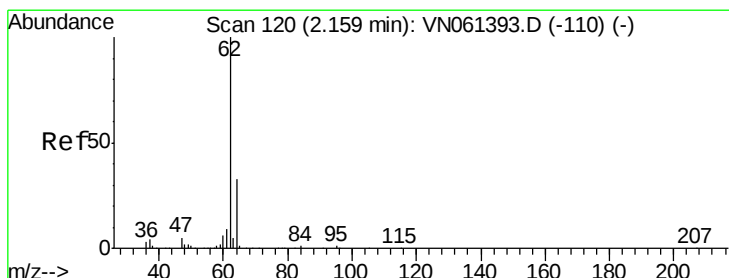
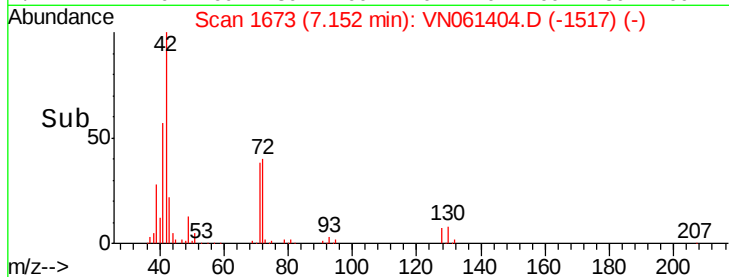
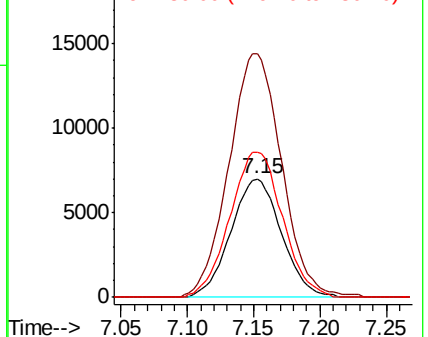
128 100

49 214.2 0.0 453.5

130 127.3 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#4

Vinyl Chloride

Concen: 0.566 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN061404.D

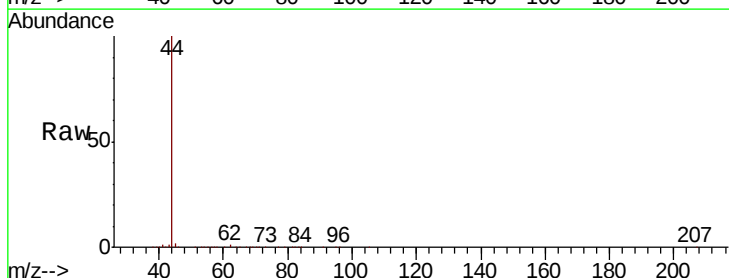
Acq: 14 May 2020 20:02

Tgt Ion: 62 Resp: 1176

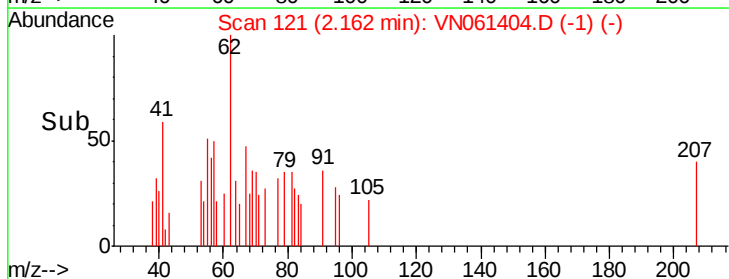
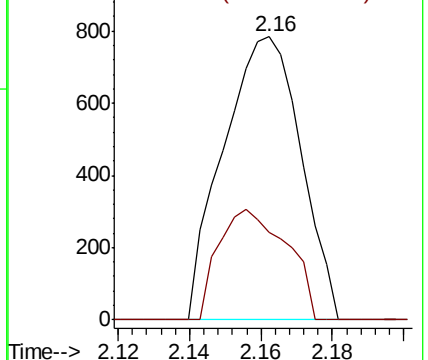
Ion Ratio Lower Upper

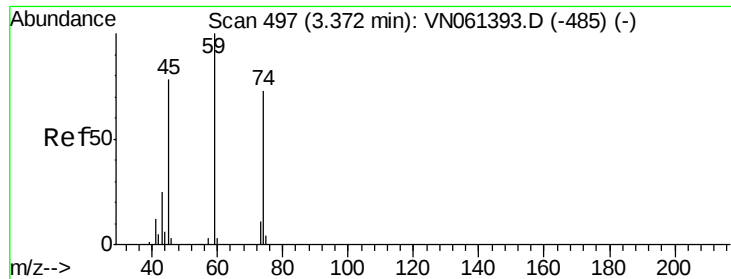
62 100

64 30.7 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN
Ion 64.00 (63.70 to 64.70): VN





#8

Diethyl Ether

Concen: 4.027 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

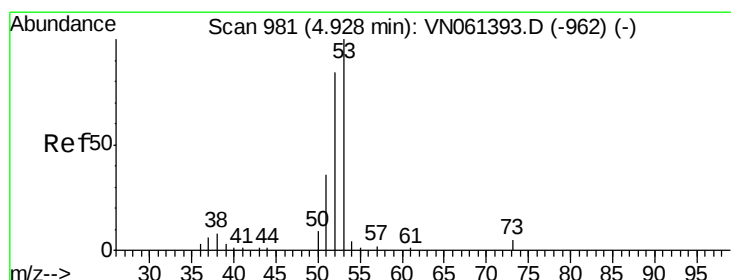
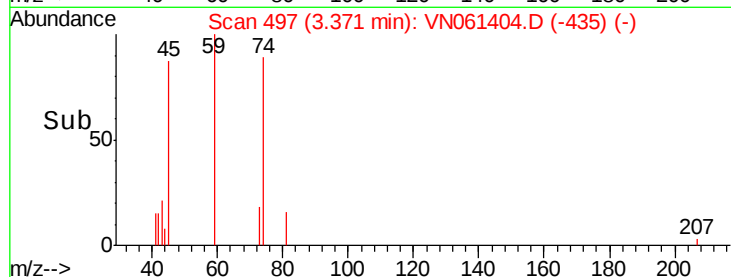
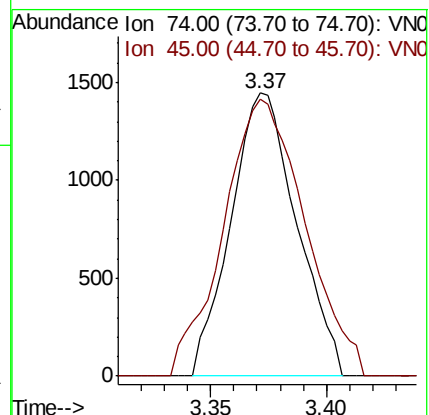
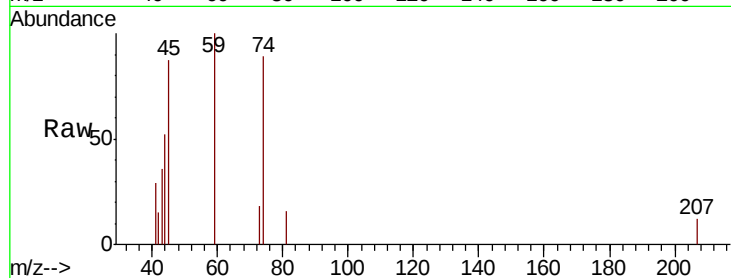
ClientSampleId :

Tot Ion: 74 Resp: 2850

Ion Ratio Lower Upper

74 100

45 121.1 20.6 185.8



#14

Acrylonitrile

Concen: 13.949 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.20 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

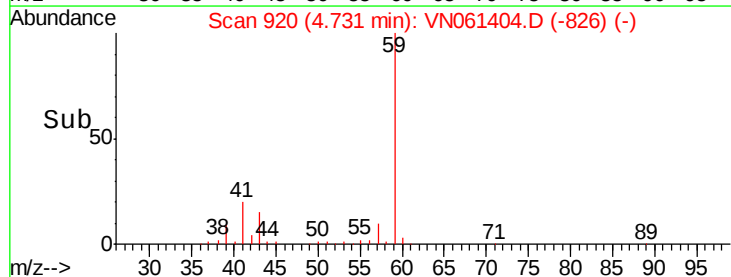
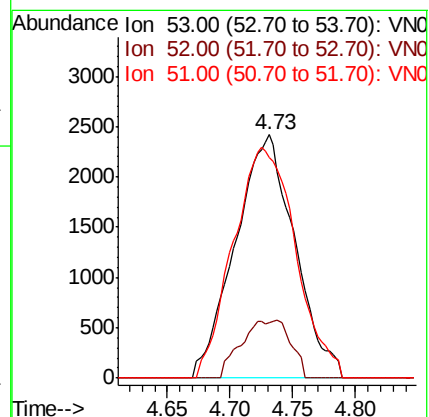
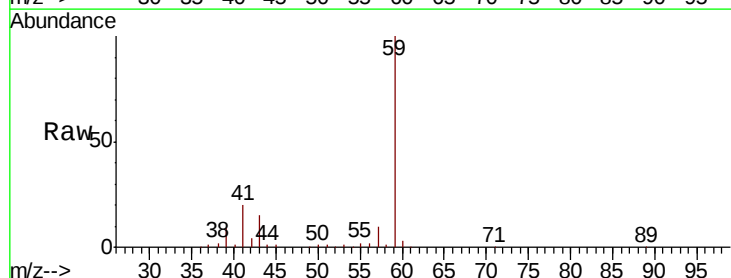
Tgt Ion: 53 Resp: 7959

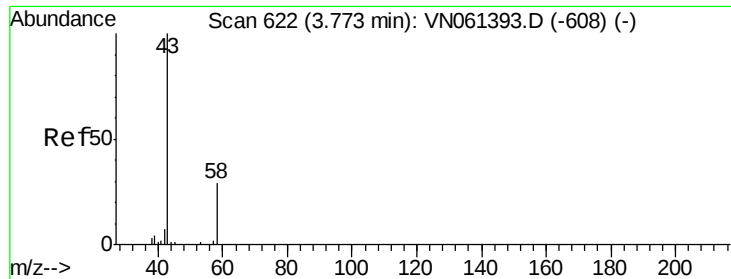
Ion Ratio Lower Upper

53 100

52 10.4 42.2 126.6#

51 99.6 18.8 56.4#





#15

Acetone

Concen: 49.565 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

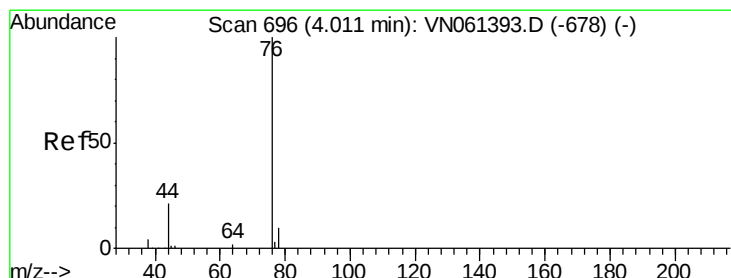
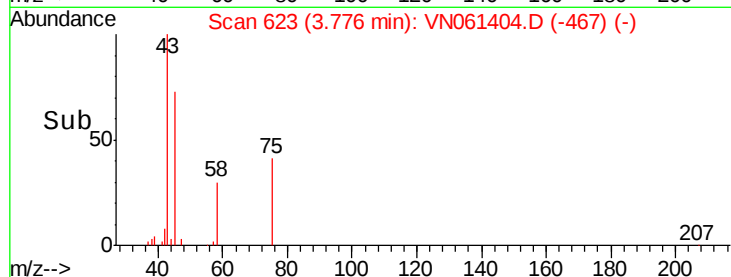
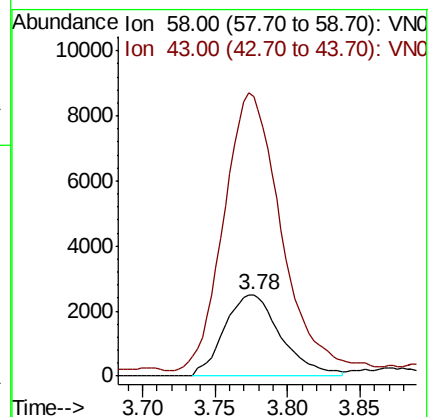
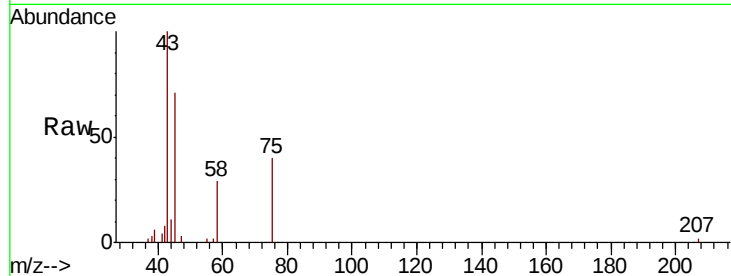
ClientSampleId :

Tot Ion: 58 Resp: 6791

Ion Ratio Lower Upper

58 100

43 323.6 281.7 422.5



#16

Carbon Disulfide

Concen: 0.570 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061404.D

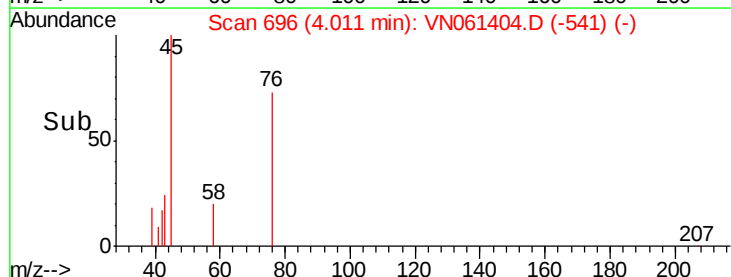
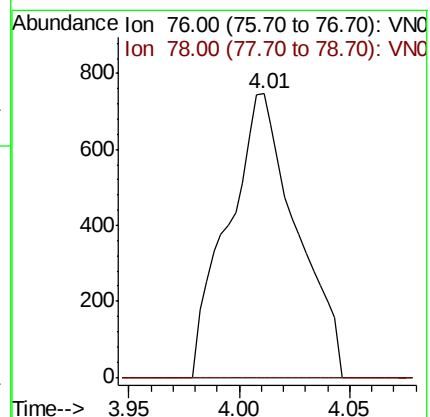
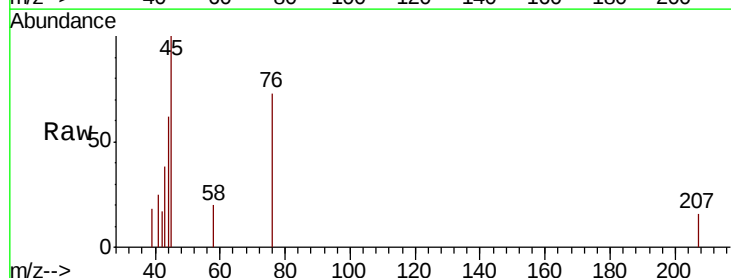
Acq: 14 May 2020 20:02

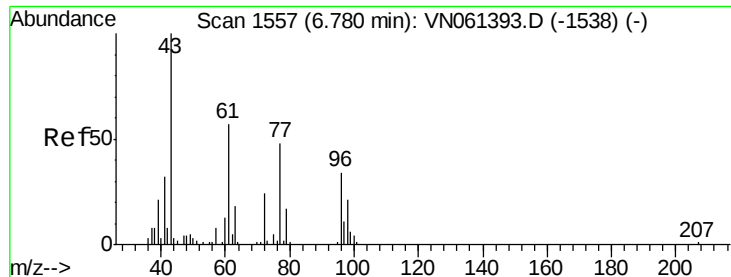
Tgt Ion: 76 Resp: 1604

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#





#22

cis-1,2-Dichloroethene

Concen: 1.069 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

ClientSampleId :

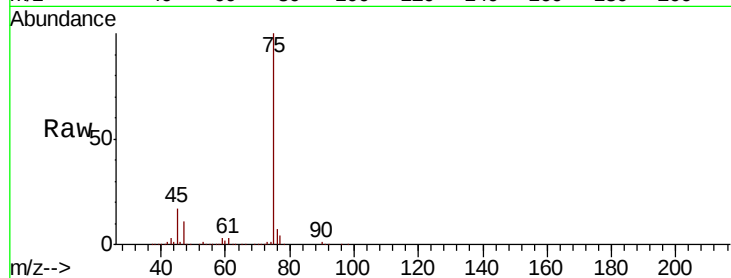
Tot Ion: 96 Resp: 1493

Ion Ratio Lower Upper

96 100

61 3532.0 127.2 190.8#

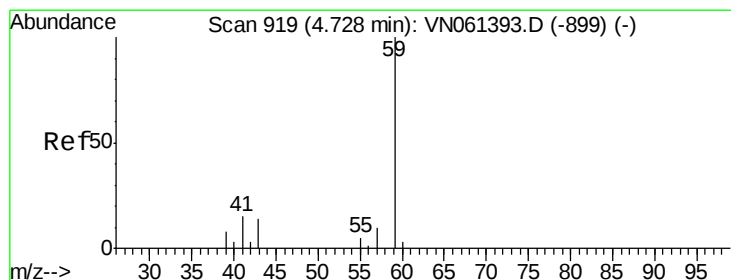
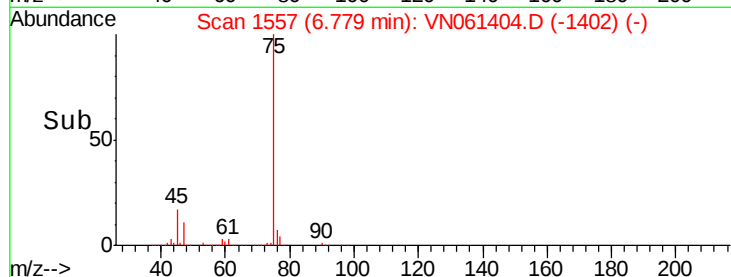
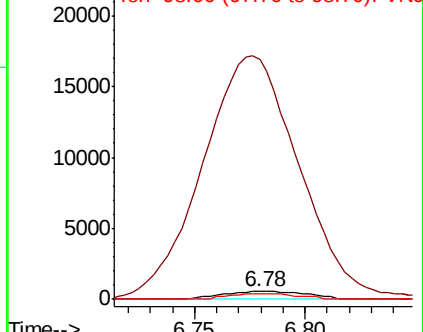
98 32.8 50.5 75.7#



Abundance Ion 96.00 (95.70 to 96.70): VN061404.D (-1402) (-)

Ion 61.00 (60.70 to 61.70): VN061404.D (-1402) (-)

Ion 98.00 (97.70 to 98.70): VN061404.D (-1402) (-)



#23

tert-Butyl Alcohol

Concen: 5954.379 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN061404.D

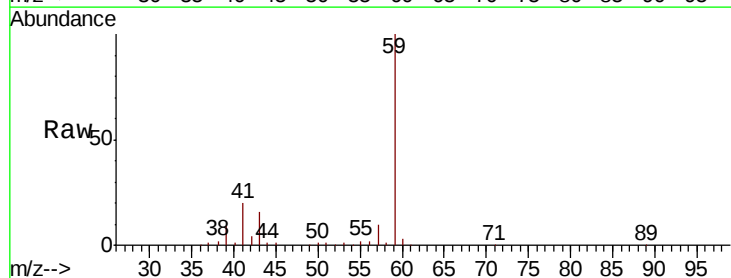
Acq: 14 May 2020 20:02

Tgt Ion: 59 Resp: 1089001

Ion Ratio Lower Upper

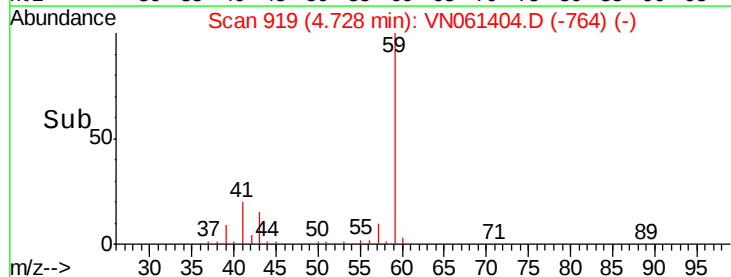
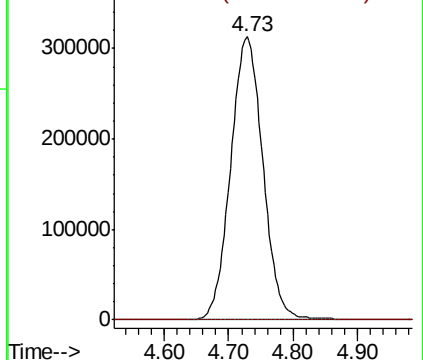
59 100

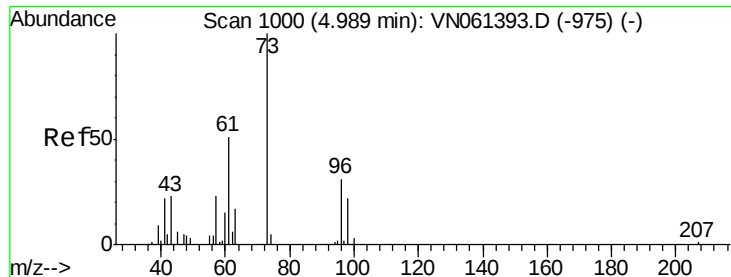
52 0.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN061404.D (-764) (-)

Ion 52.00 (51.70 to 52.70): VN061404.D (-764) (-)



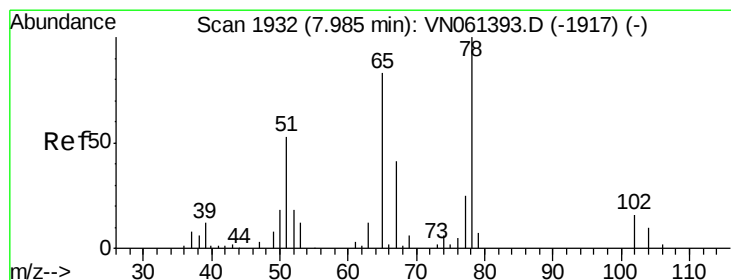
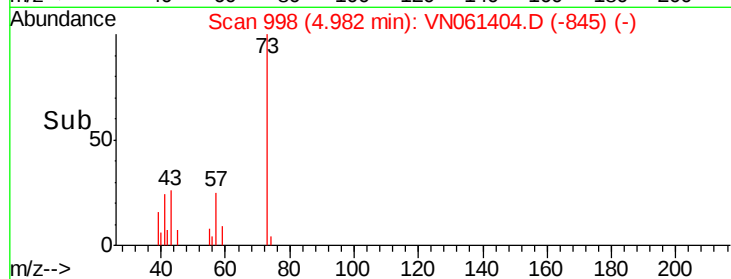
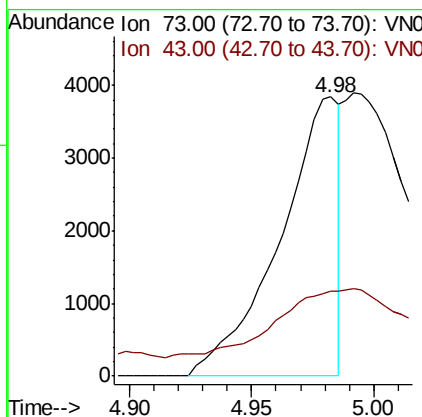
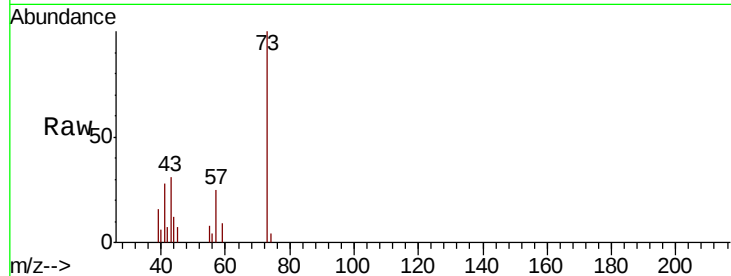


#24

Methyl tert-Butyl Ether
 Concen: 1.590 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Instrument :
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 ClientSampleId :

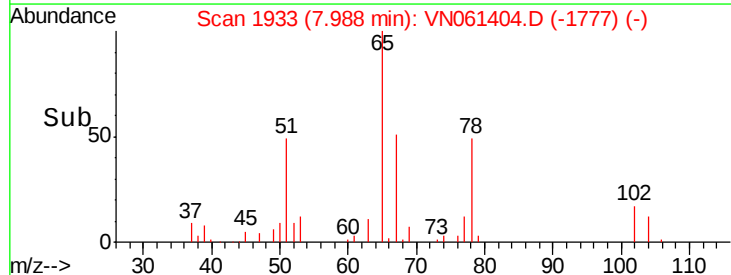
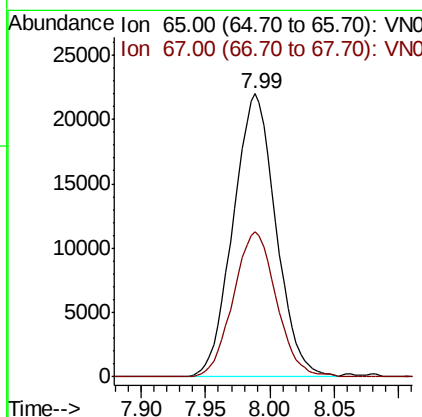
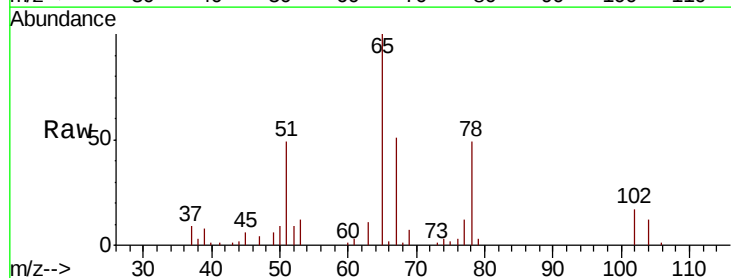
Tot Ion: 73 Resp: 6460
 Ion Ratio Lower Upper
 73 100
 43 45.3 17.9 26.9#

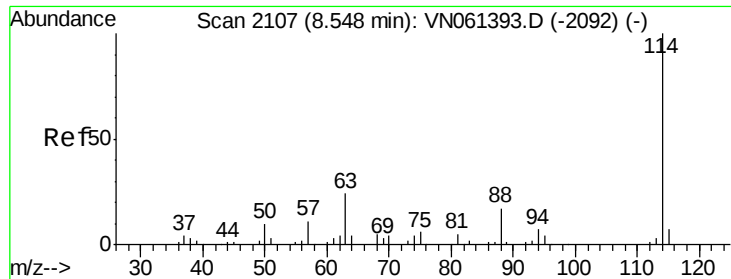


#27

1,2-Dichloroethane-d4
 Concen: 30.437 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Tgt Ion: 65 Resp: 50788
 Ion Ratio Lower Upper
 65 100
 67 51.3 41.5 62.3

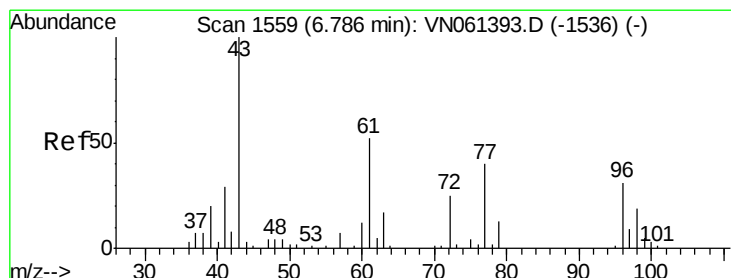
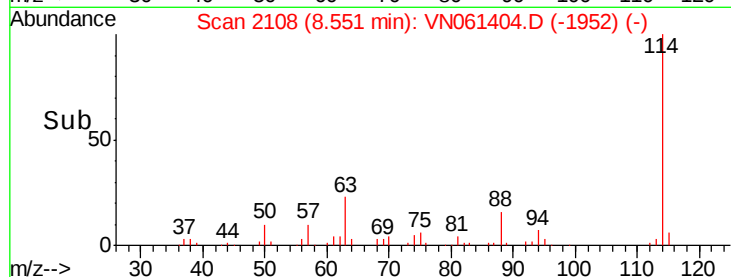
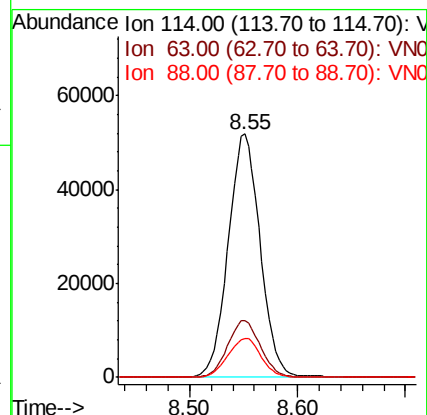
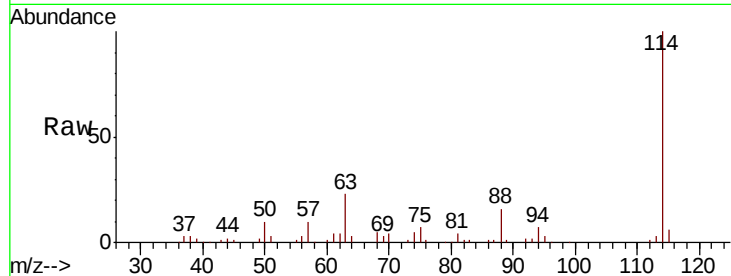




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

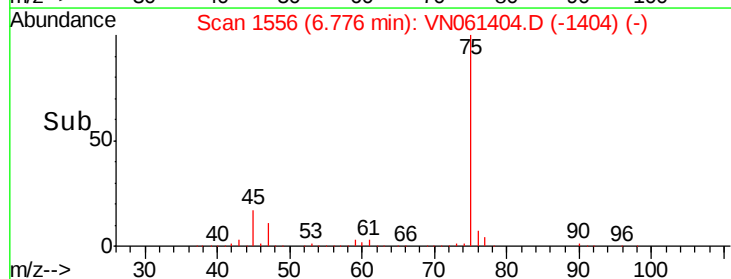
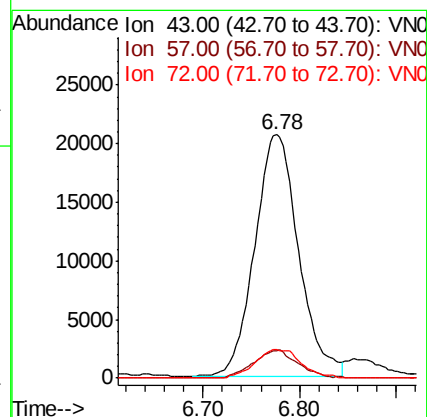
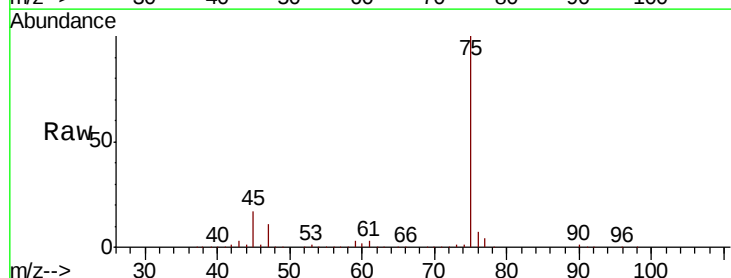
Instrument :
 MSVOA_N
 ClientSampleId :

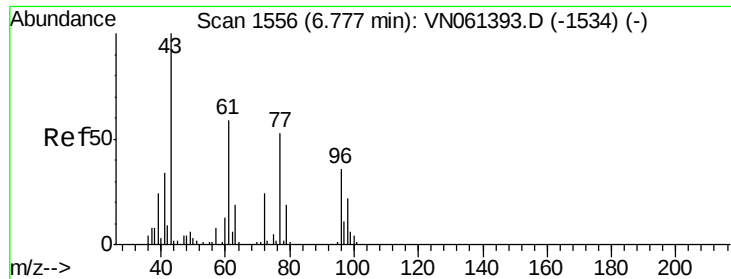
Tot Ion:114 Resp: 106810
 Ion Ratio Lower Upper
 114 100
 63 23.9 18.1 27.1
 88 16.6 13.0 19.4



#30
 2-Butanone
 Concen: 81.616 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Tgt Ion: 43 Resp: 64710
 Ion Ratio Lower Upper
 43 100
 57 11.7 6.5 9.7#
 72 7.5 20.1 30.1#





#31

2,2-Dichloropropane

Concen: 34.227 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

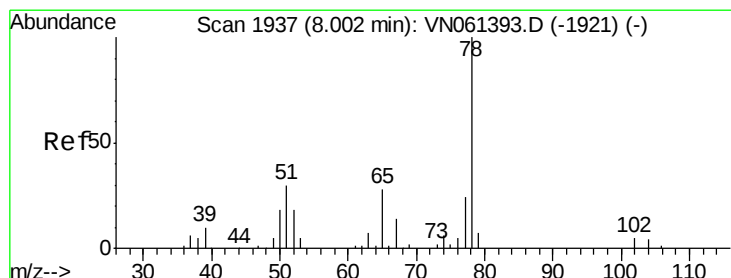
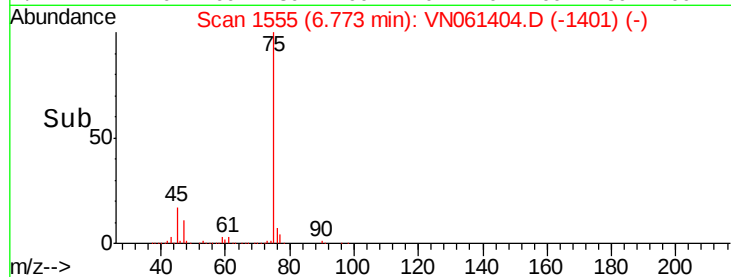
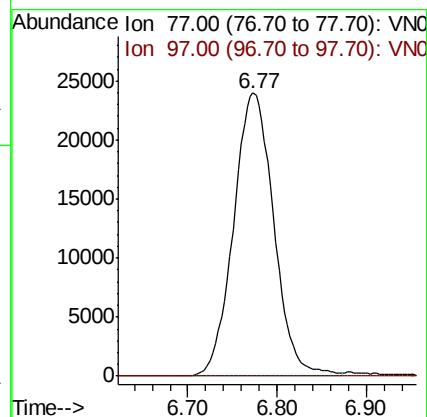
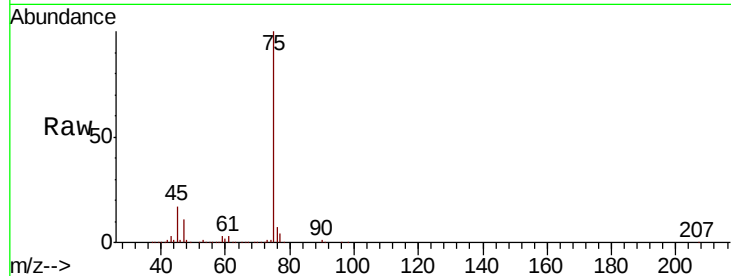
ClientSampled :

Tot Ion: 77 Resp: 74948

Ion Ratio Lower Upper

77 100

97 0.0 17.9 26.9#



#34

Benzene

Concen: 7.337 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

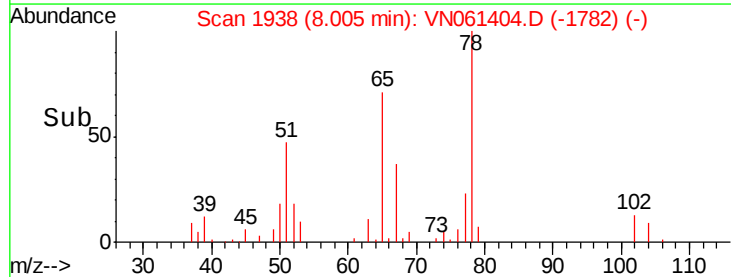
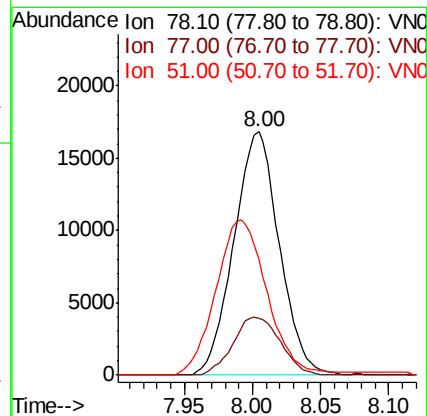
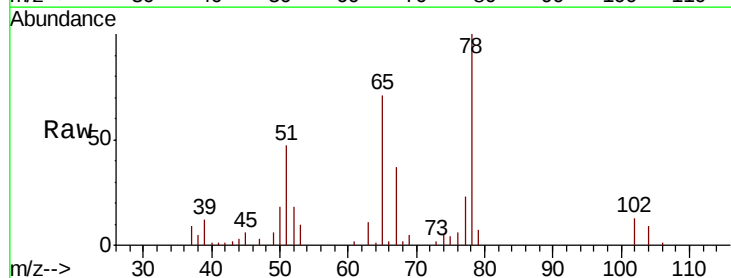
Tgt Ion: 78 Resp: 38906

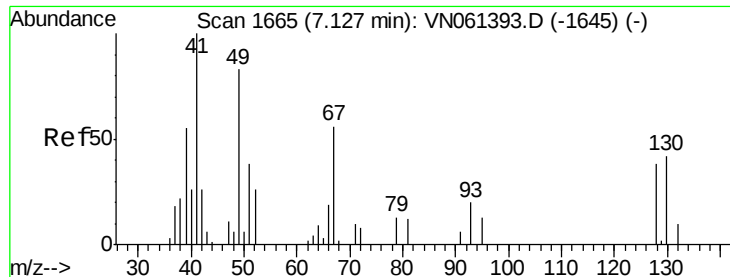
Ion Ratio Lower Upper

78 100

77 23.4 19.2 28.8

51 46.1 22.1 33.1#

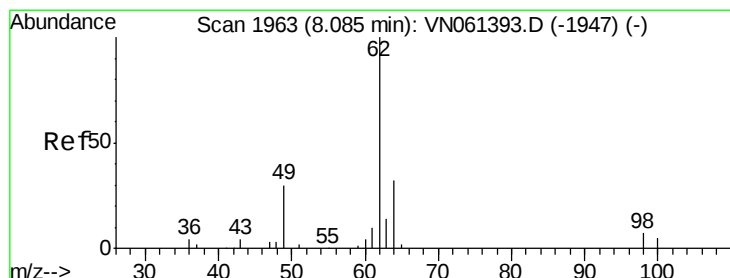
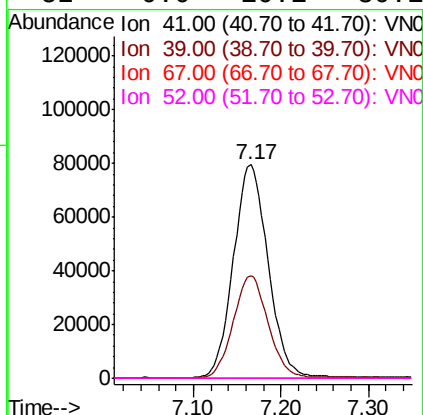
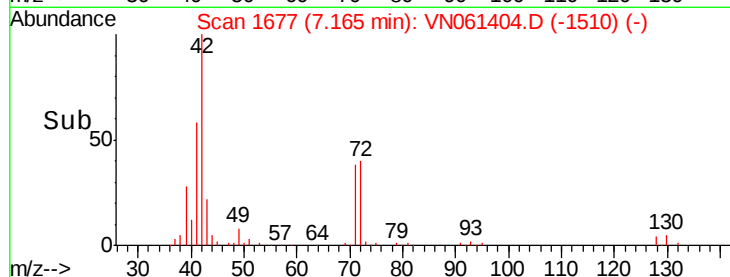
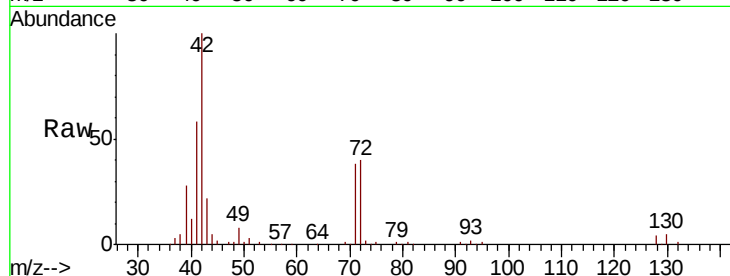




#35
Methacrylonitrile
Concen: 275.877 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

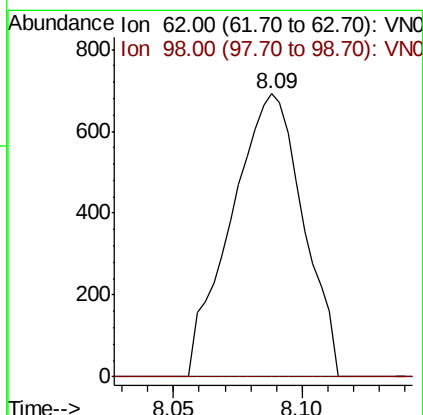
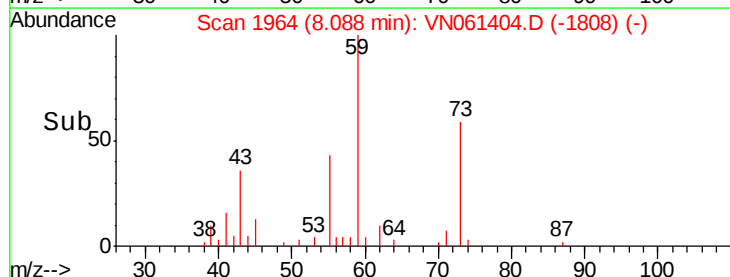
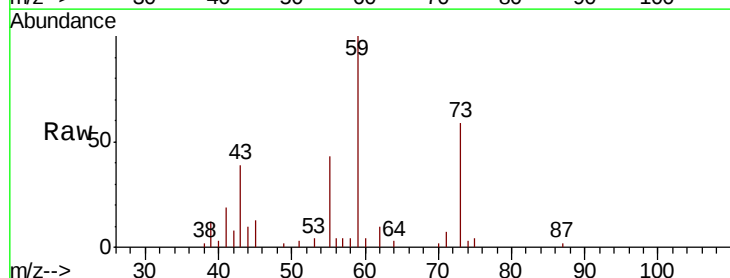
Instrument :
MSVOA_N
ClientSampled :

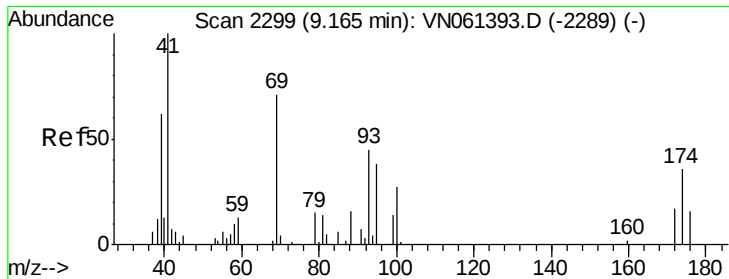
Tot Ion: 41 Resp: 219390
Ion Ratio Lower Upper
41 100
39 48.0 25.8 77.4
67 0.0 23.0 69.0#
52 0.0 10.1 30.1#



#36
1,2-Dichloroethane
Concen: 0.661 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Tgt Ion: 62 Resp: 1345
Ion Ratio Lower Upper
62 100
98 0.0 6.4 9.6#

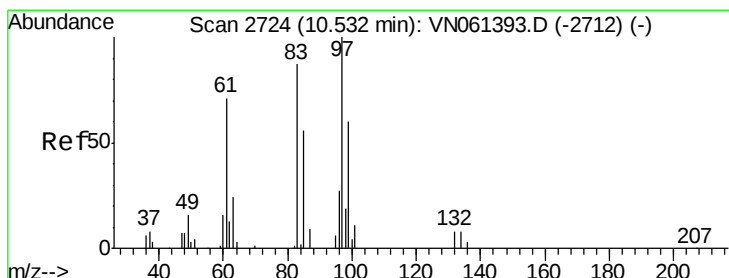
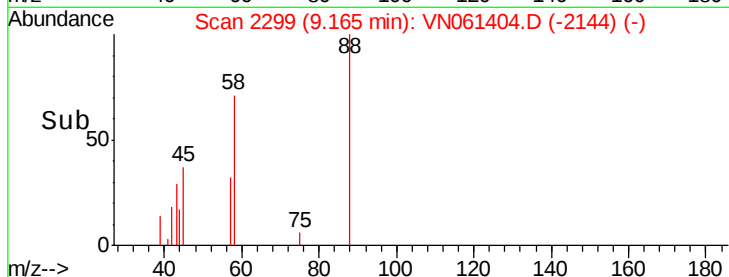
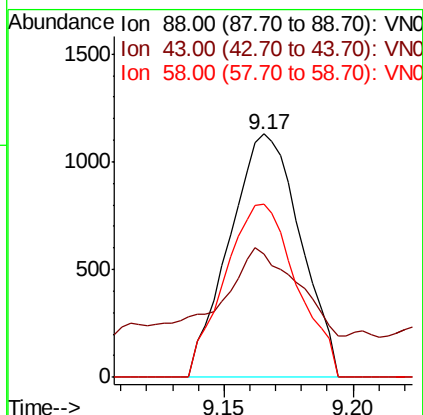
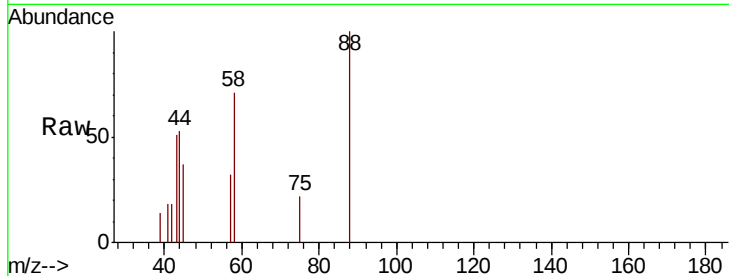




#45
 1,4-Dioxane
 Concen: 166.458 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

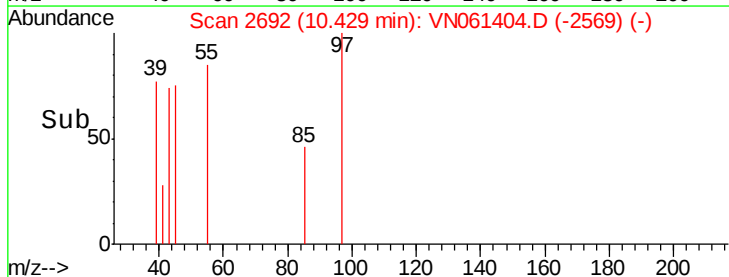
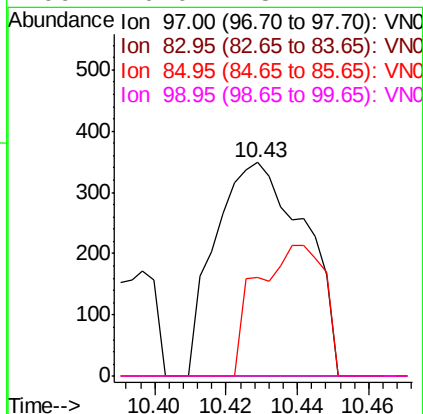
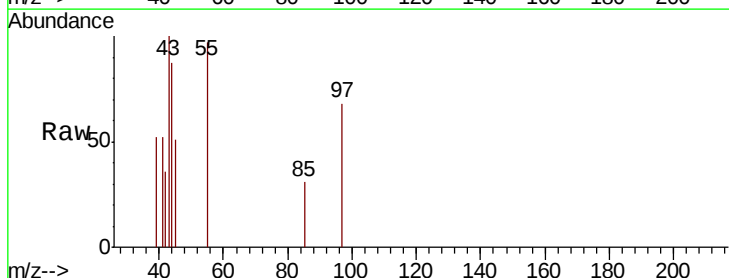
Instrument :
 MSVOA_N
 ClientSampled :

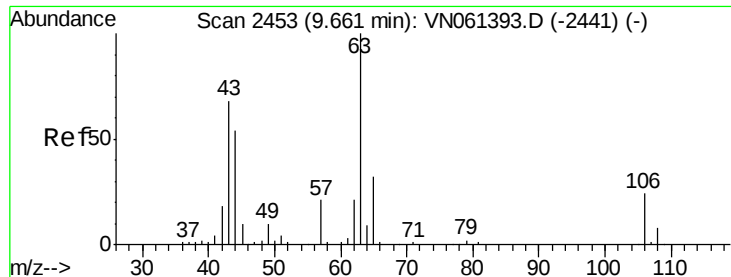
Tot Ion: 88 Resp: 2160
 Ion Ratio Lower Upper
 88 100
 43 32.8 29.8 44.8
 58 72.5 58.2 87.4



#50
 1,1,2-Trichloroethane
 Concen: 0.488 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.10 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Tgt Ion: 97 Resp: 607
 Ion Ratio Lower Upper
 97 100
 83 0.0 70.7 106.1#
 85 46.1 45.1 67.7
 99 0.0 48.2 72.4#

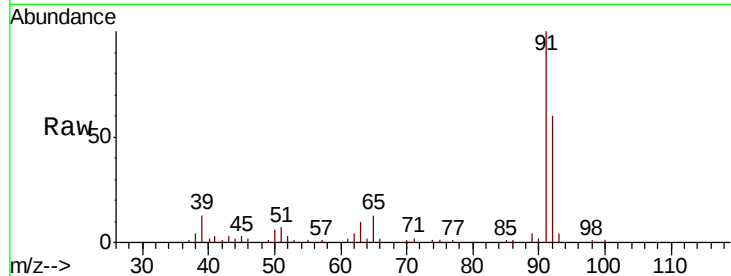




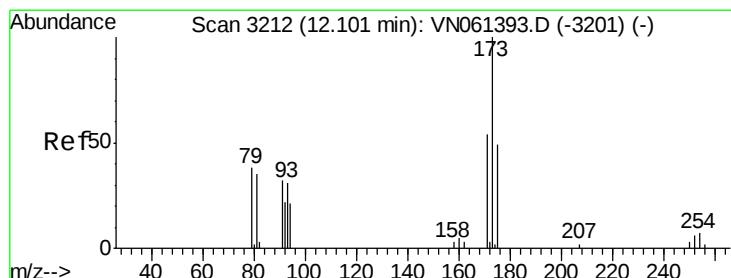
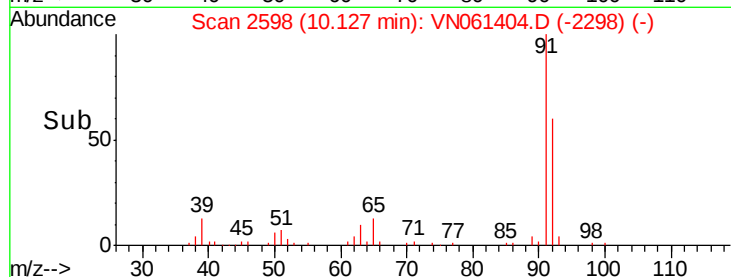
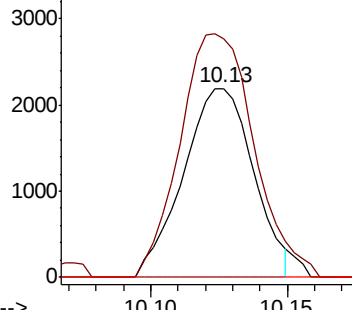
#55
2-Chloroethyl vinyl ether
Concen: 4.122 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.47 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 3913
Ion Ratio Lower Upper
63 100
65 133.2 25.3 37.9#
106 0.0 19.8 29.6#

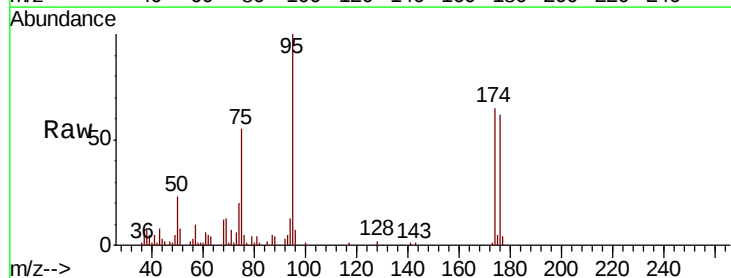


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): VN0

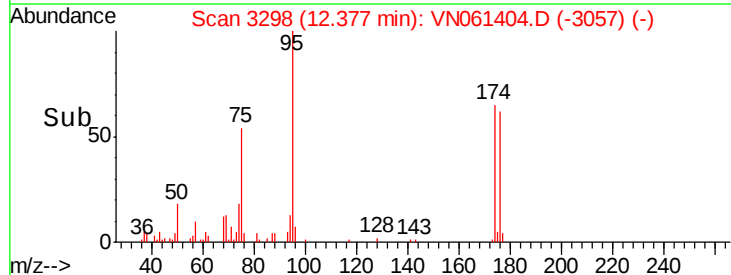
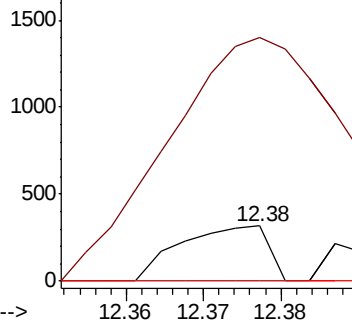


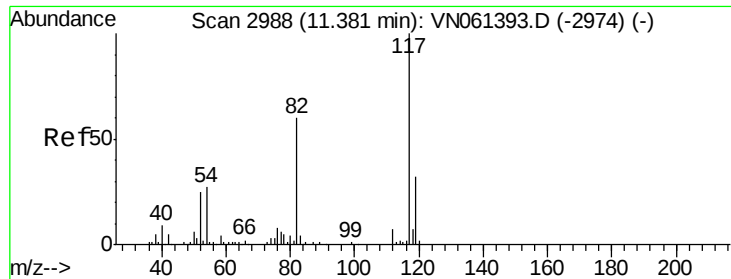
#56
Bromoform
Concen: 0.291 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Tgt Ion: 173 Resp: 250
Ion Ratio Lower Upper
173 100
175 925.2 38.7 58.1#
254 0.0 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): VN
Ion 175.00 (174.70 to 175.70): VN
Ion 254.00 (253.70 to 254.70): VN

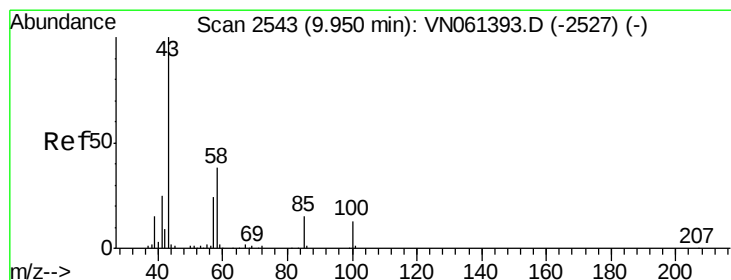
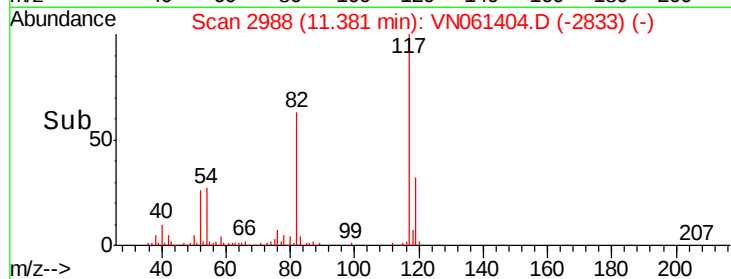
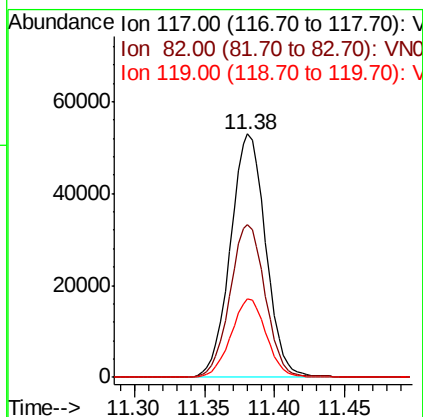
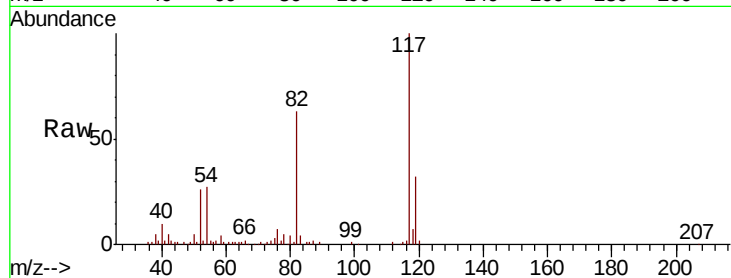




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

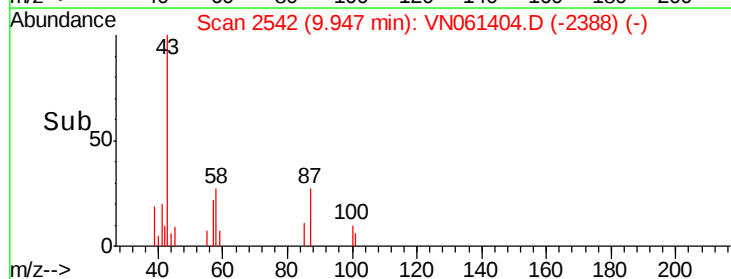
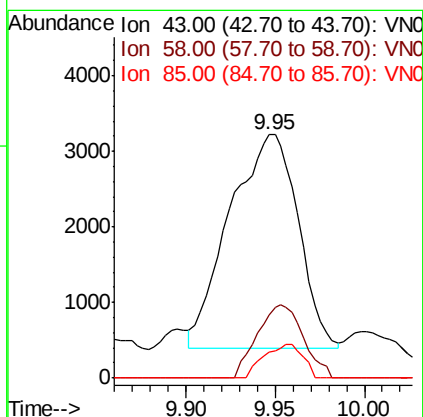
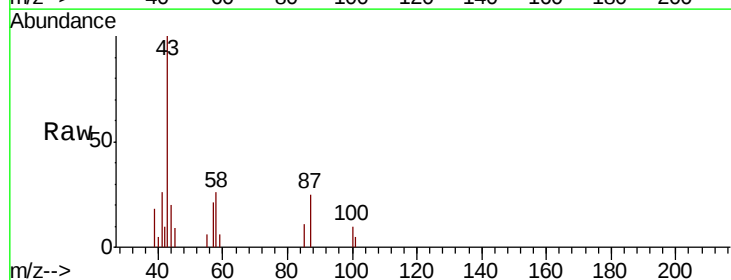
Instrument :
MSVOA_N
ClientSampleId :

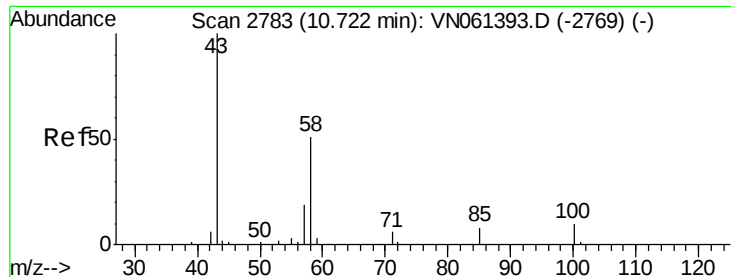
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	46.9	70.3
119	32.0	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 4.454 ug/l
RT: 9.95 min Scan# 2542
Delta R.T. -0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.2	30.1	45.1#
85	9.0	13.2	19.8#

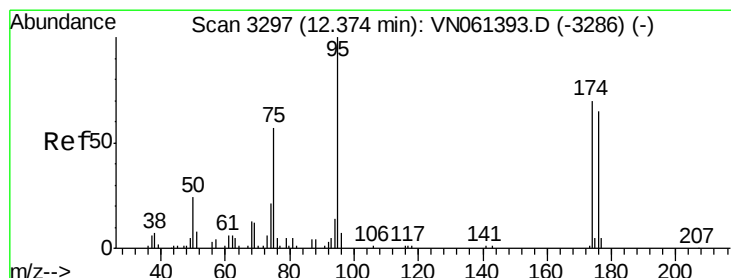
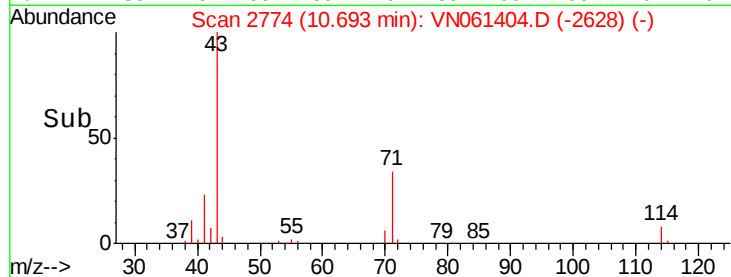
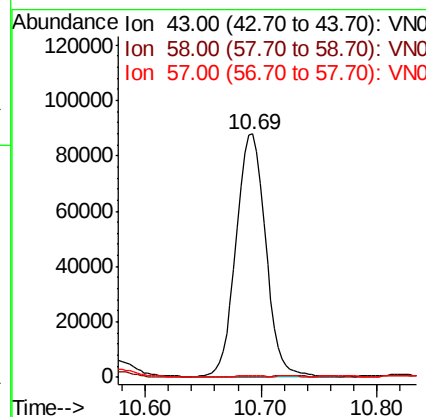
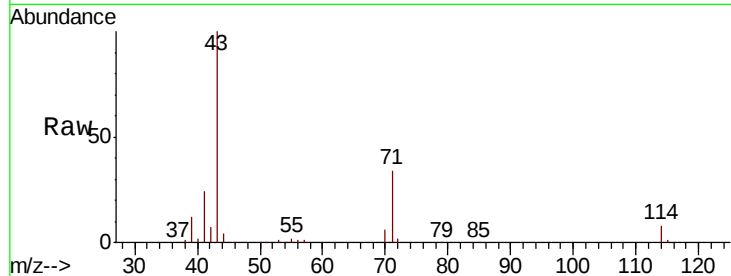




#59
2-Hexanone
Concen: 129.155 ug/l
RT: 10.69 min Scan# 2774
Delta R.T. -0.03 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

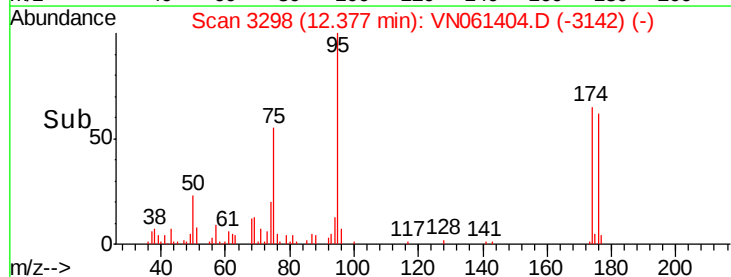
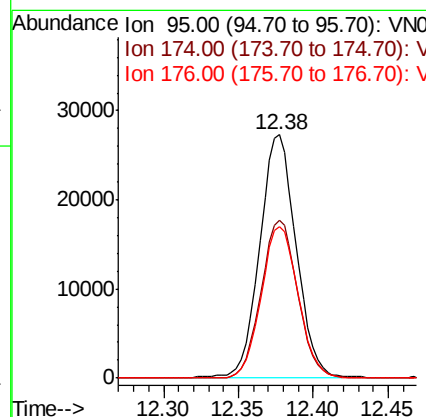
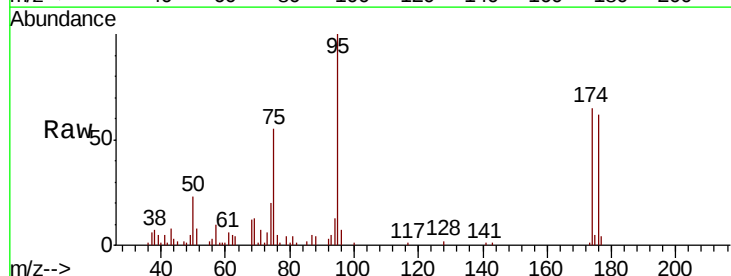
Instrument :
MSVOA_N
ClientSampleId :

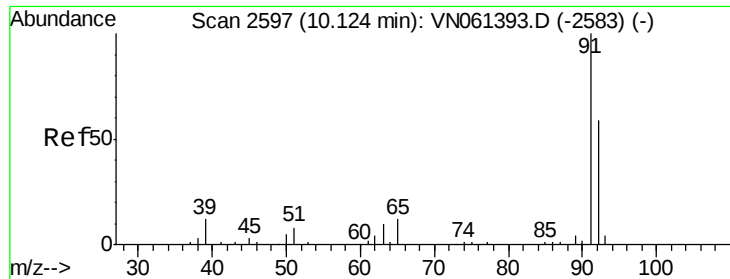
Tot Ion: 43 Resp: 154805
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.0#
57 0.3 14.7 22.1#



#60
4-Bromofluorobenzene
Concen: 29.191 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Tgt Ion: 95 Resp: 46342
Ion Ratio Lower Upper
95 100
174 64.9 59.9 89.9
176 62.8 58.3 87.5





#62

Toluene

Concen: 7.647 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

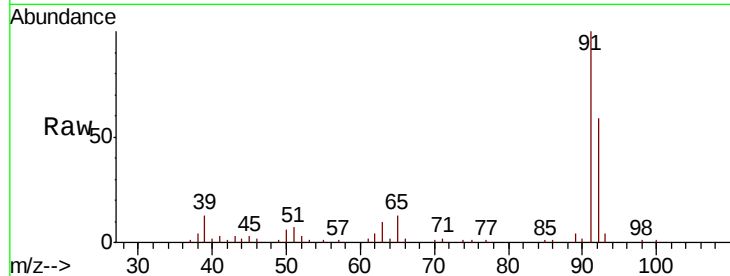
ClientSampled :

Tot Ion: 91 Resp: 41232

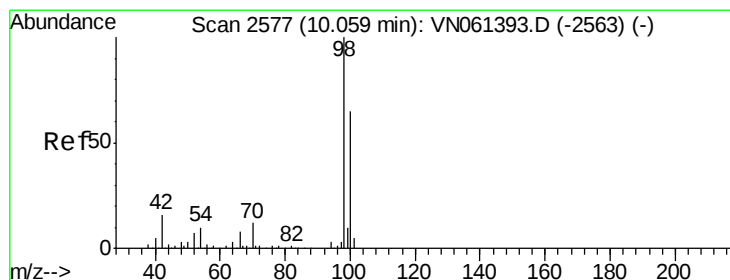
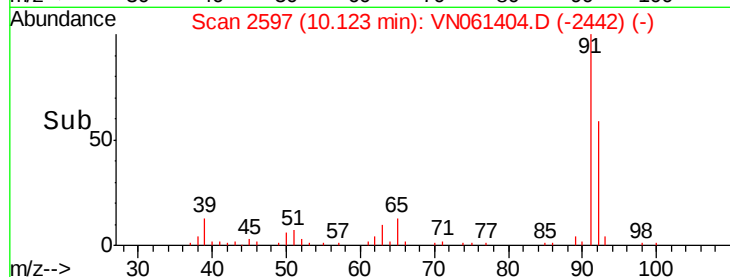
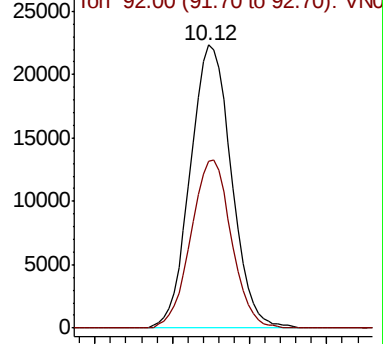
Ion Ratio Lower Upper

91 100

92 58.4 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN061393.D (-2583) (-)



#63

Toluene-d8

Concen: 31.124 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061404.D

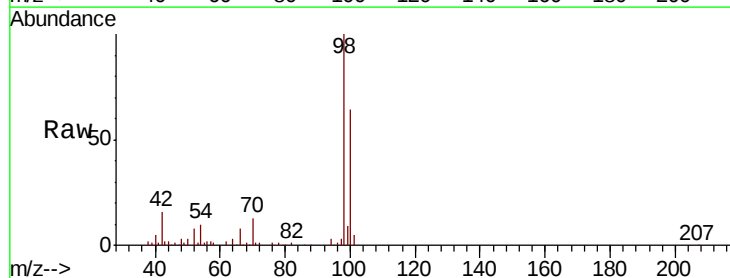
Acq: 14 May 2020 20:02

Tgt Ion: 98 Resp: 134007

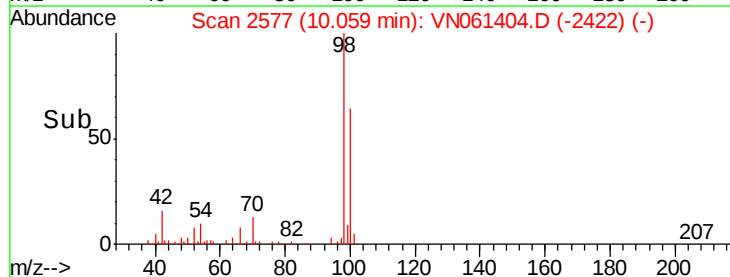
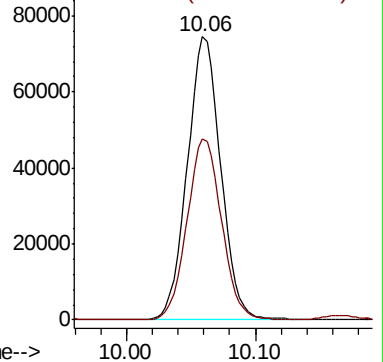
Ion Ratio Lower Upper

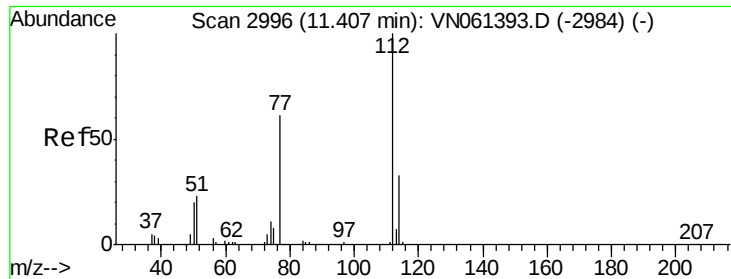
98 100

100 66.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)

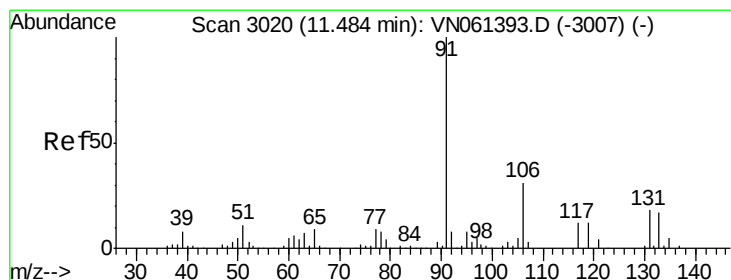
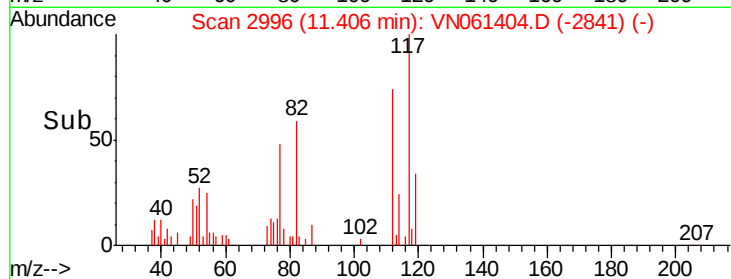
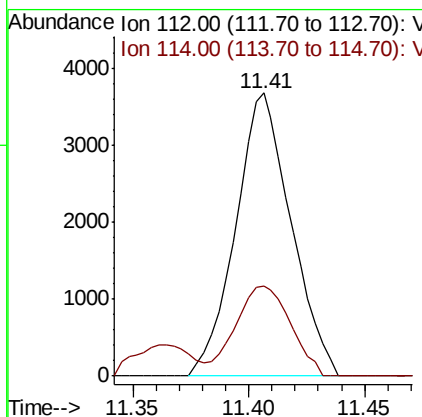
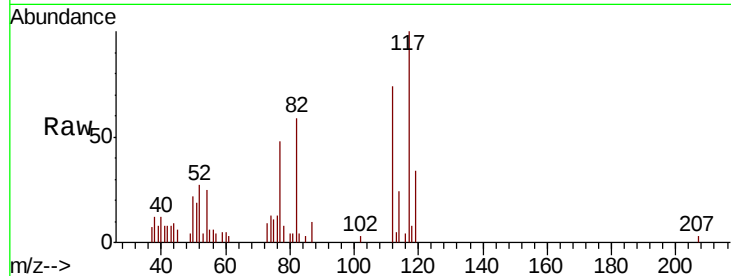




#64
Chlorobenzene
Concen: 1.912 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

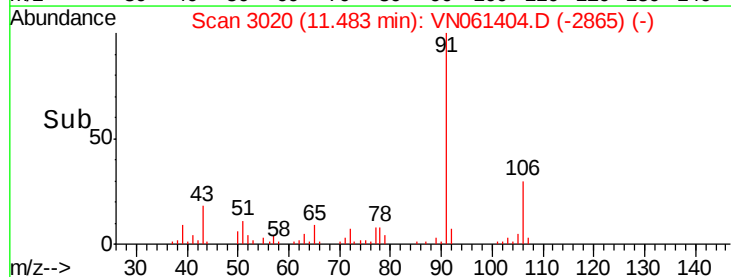
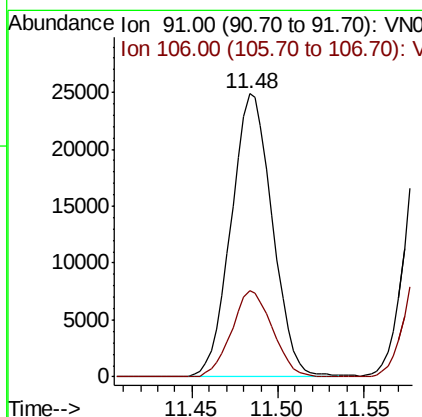
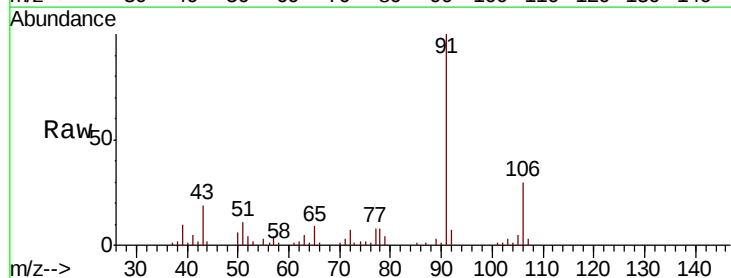
Instrument :
MSVOA_N
ClientSampled :

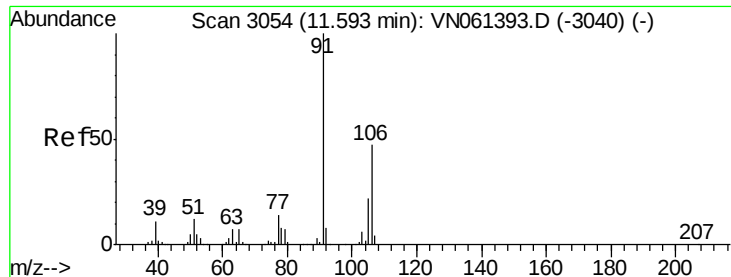
Tot Ion: 112 Resp: 6101
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
Ethyl Benzene
Concen: 6.694 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Tgt Ion: 91 Resp: 41424
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4





#67

m/p-Xvlenes

Concen: 14.685 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

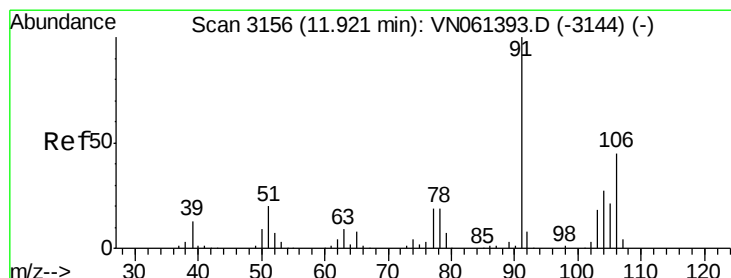
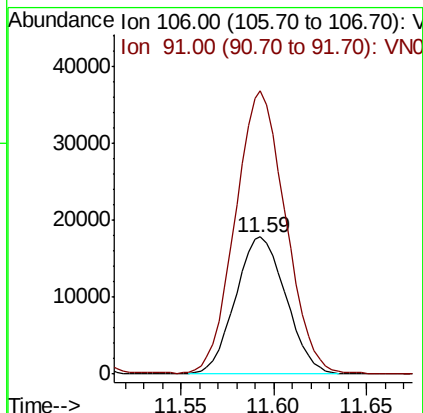
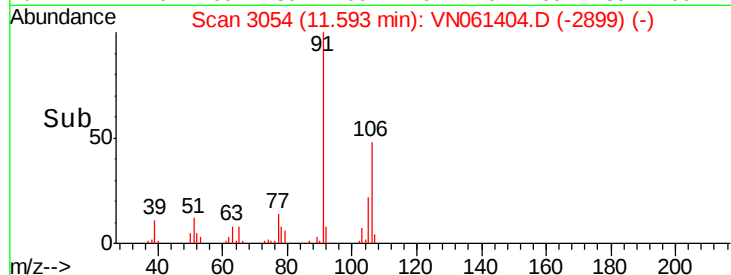
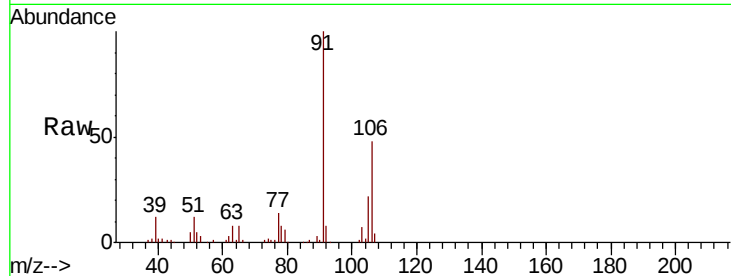
ClientSampled :

Tot Ion:106 Resp: 33555

Ion Ratio Lower Upper

106 100

91 206.8 165.6 248.4



#68

o-Xylene

Concen: 9.425 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061404.D

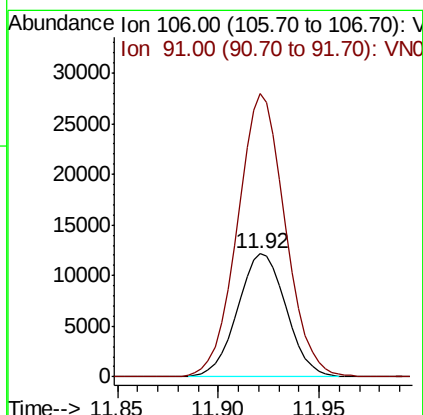
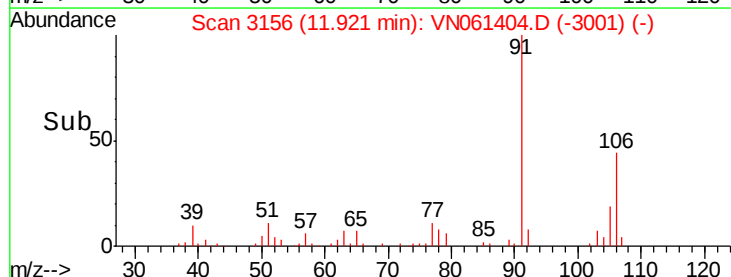
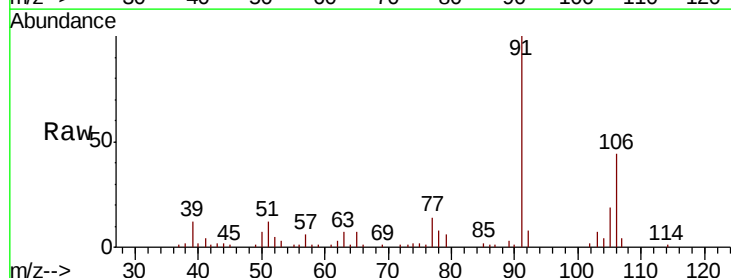
Acq: 14 May 2020 20:02

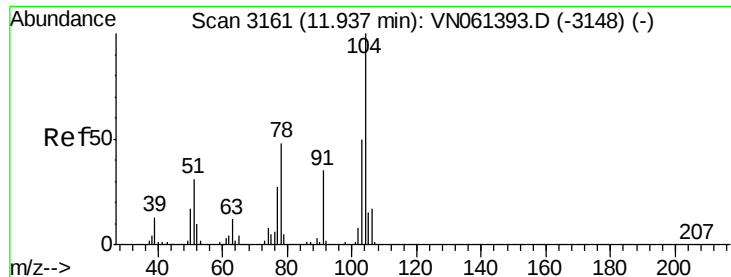
Tgt Ion:106 Resp: 20555

Ion Ratio Lower Upper

106 100

91 225.1 109.8 329.4

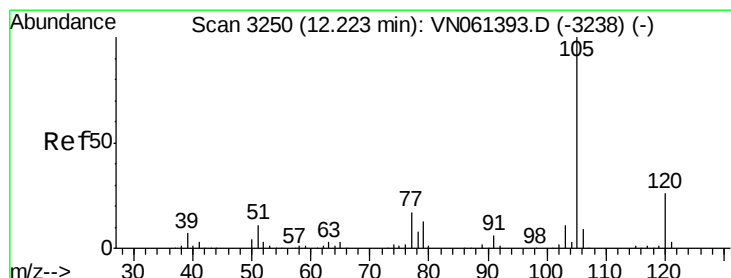
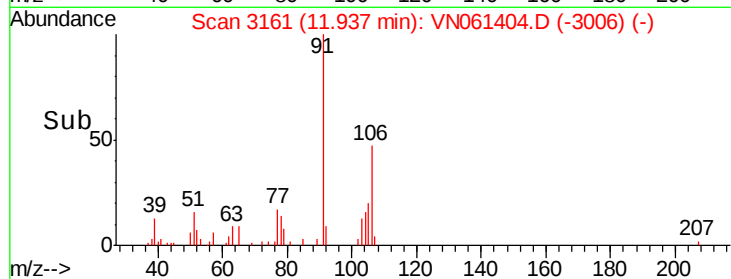
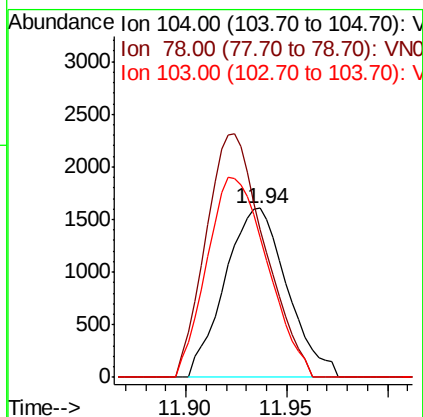
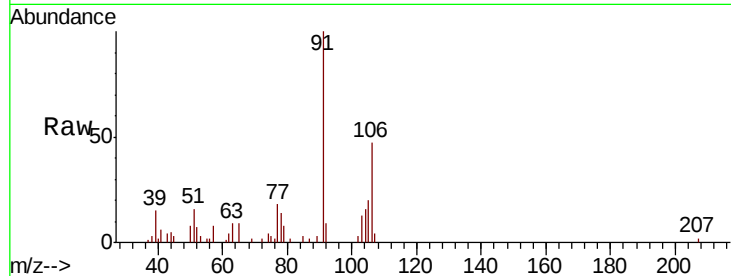




#69
Stvrene
Concen: 0.922 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

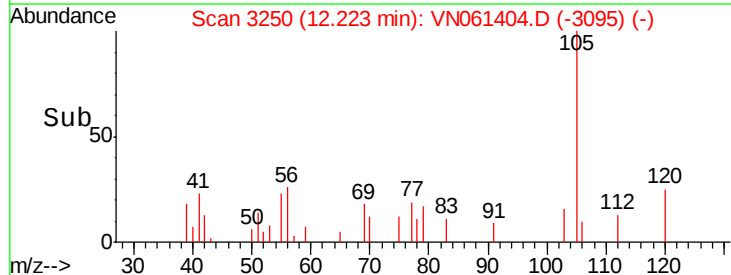
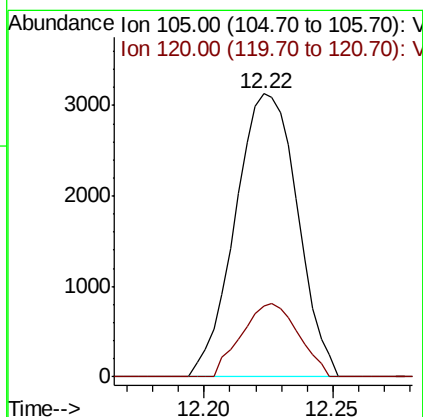
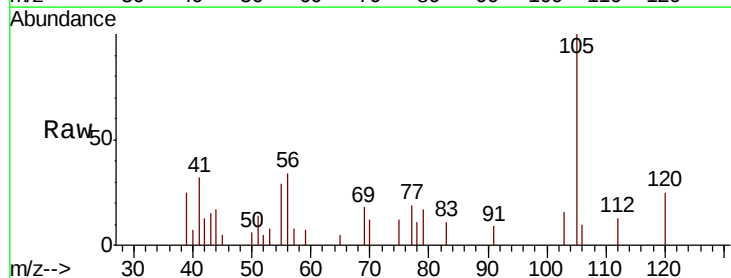
Instrument :
MSVOA_N
ClientSampleId :

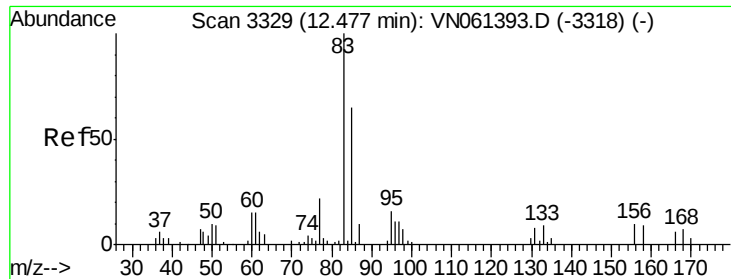
Tot Ion:104 Resp: 3460
Ion Ratio Lower Upper
104 100
78 134.4 42.4 63.6#
103 114.3 44.6 66.8#



#70
Isopropylbenzene
Concen: 0.891 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Tgt Ion:105 Resp: 5265
Ion Ratio Lower Upper
105 100
120 23.8 18.4 34.2

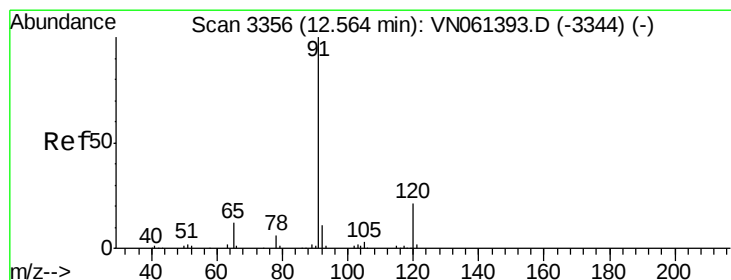
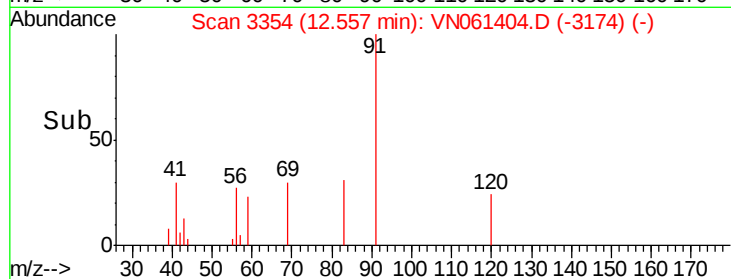
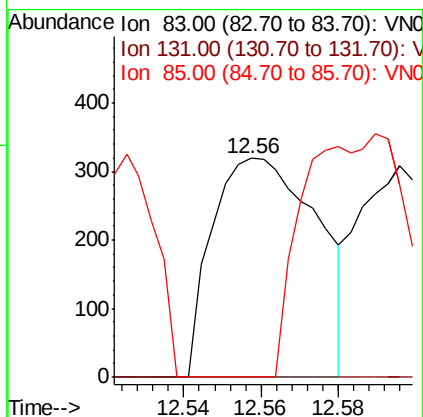
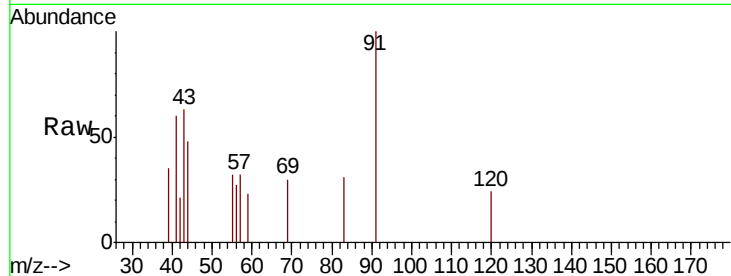




#71
 1,1,2,2-Tetrachloroethane
 Concen: 0.367 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.08 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

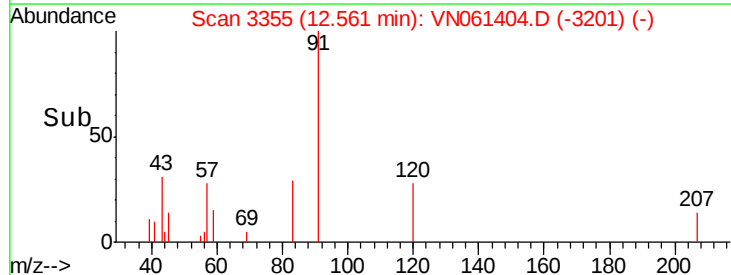
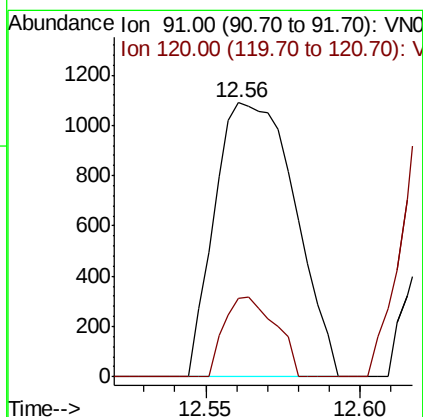
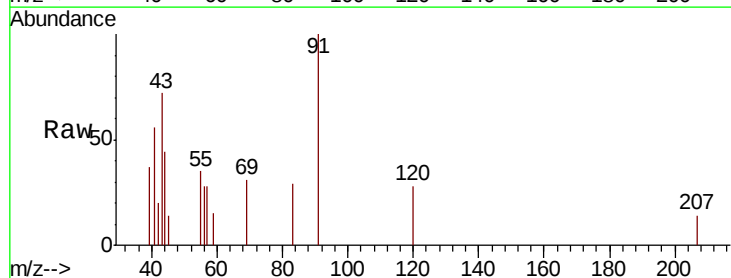
Instrument :
 MSVOA_N
 ClientSampled :

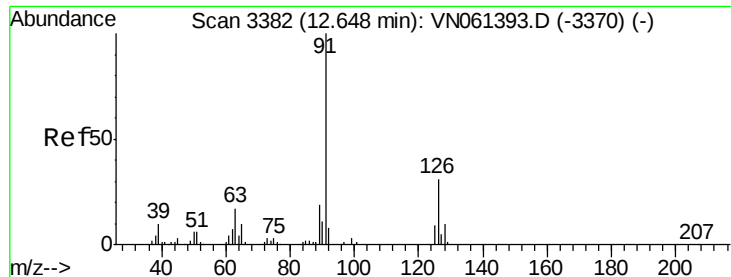
Tot Ion: 83 Resp: 599
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.9 14.7#
 85 50.3 31.6 94.7



#74
 n-propylbenzene
 Concen: 0.279 ug/l
 RT: 12.56 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Tgt Ion: 91 Resp: 1963
 Ion Ratio Lower Upper
 91 100
 120 18.6 0.0 43.6





#75

2-Chlorotoluene

Concen: 0.769 ug/l

RT: 12.64 min Scan# 3380

Delta R.T. -0.01 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

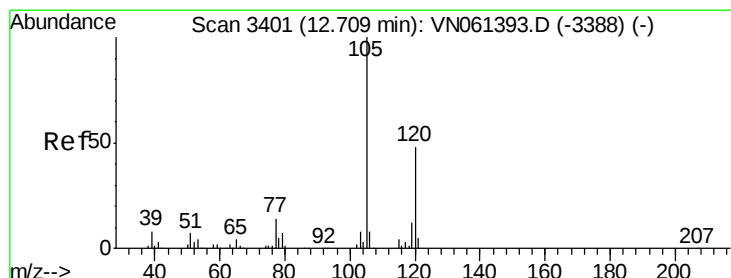
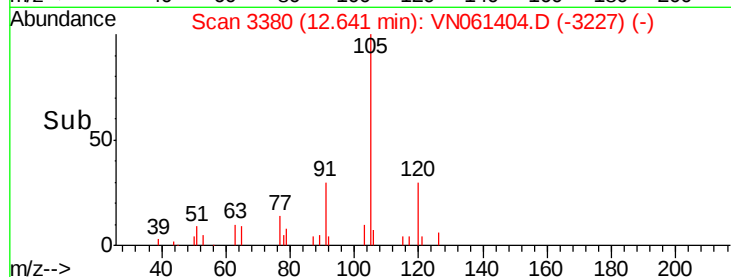
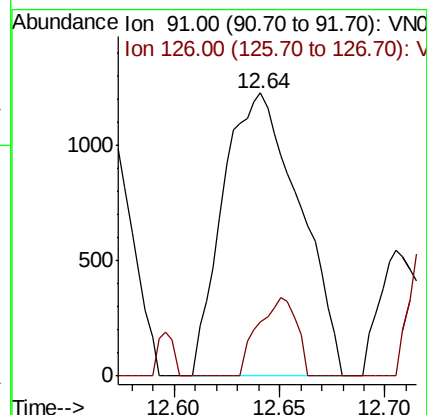
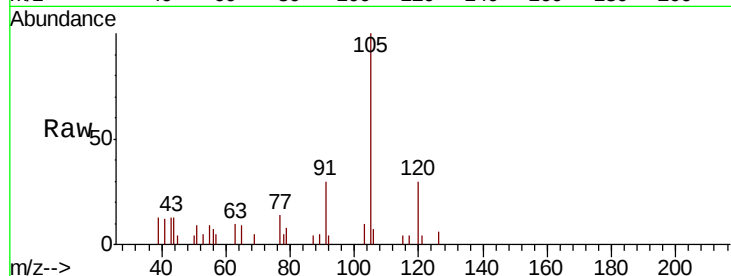
ClientSampled :

Tot Ion: 91 Resp: 3097

Ion Ratio Lower Upper

91 100

126 13.9 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 1.181 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061404.D

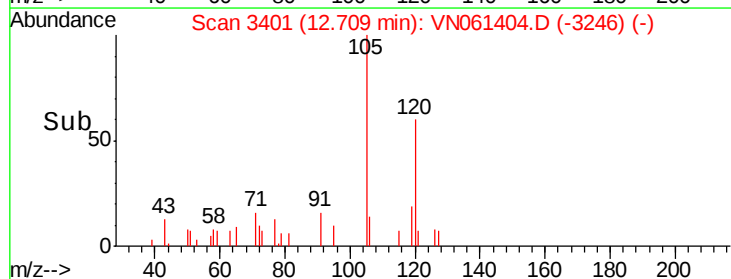
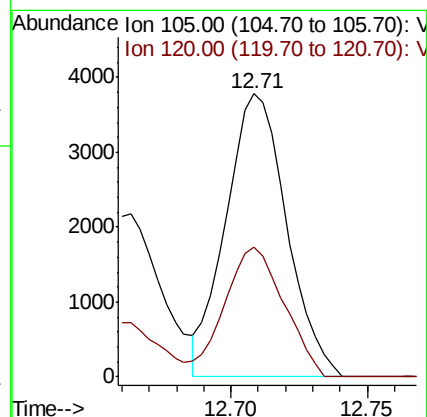
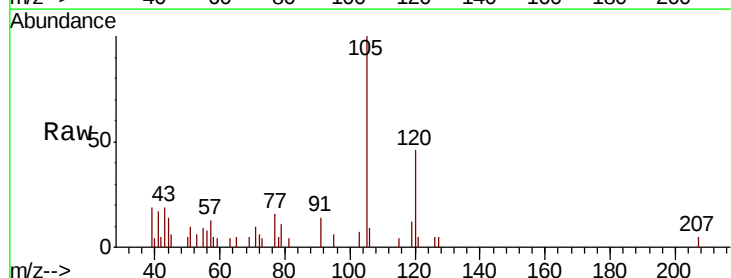
Acq: 14 May 2020 20:02

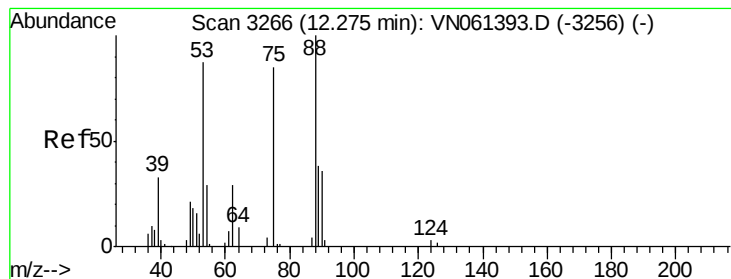
Tgt Ion: 105 Resp: 5858

Ion Ratio Lower Upper

105 100

120 45.2 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 1.250 ug/l

RT: 12.21 min Scan# 3247

Delta R.T. -0.06 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

ClientSampled :

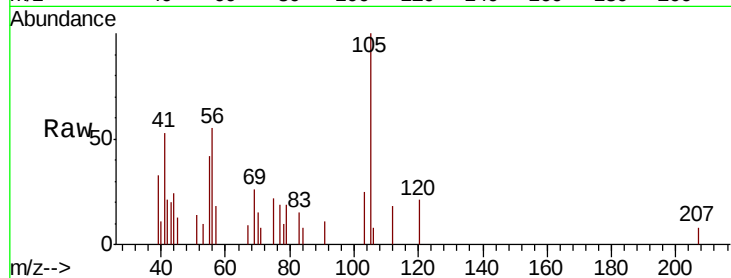
Tot Ion: 75 Resp: 810

Ion Ratio Lower Upper

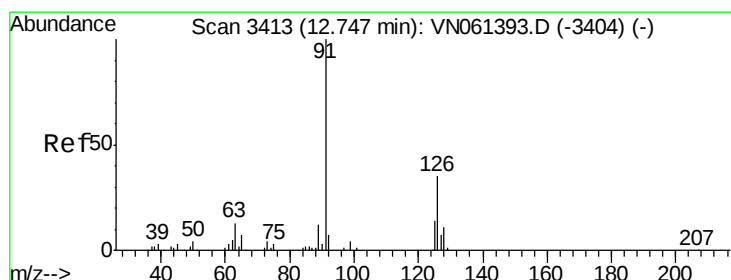
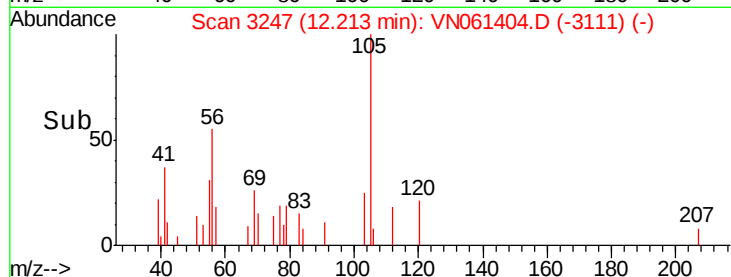
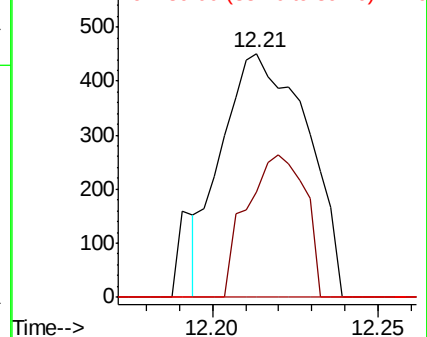
75 100

53 43.0 50.0 150.0#

89 0.0 20.7 62.1#



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 89.00 (88.70 to 89.70): VNO



#78

4-Chlorotoluene

Concen: 0.734 ug/l

RT: 12.64 min Scan# 3380

Delta R.T. -0.11 min

Lab File: VN061404.D

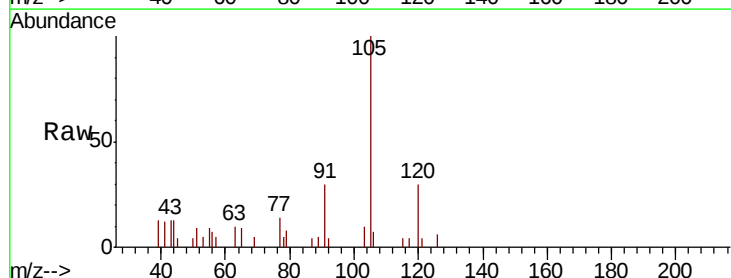
Acq: 14 May 2020 20:02

Tgt Ion: 91 Resp: 3097

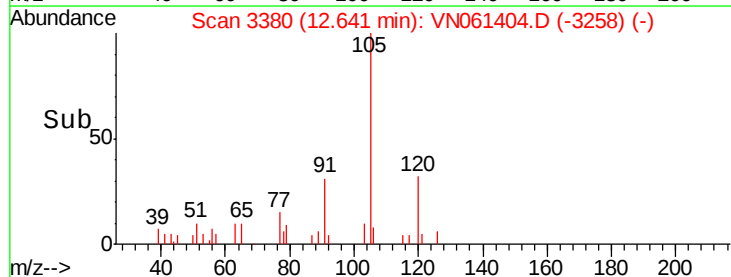
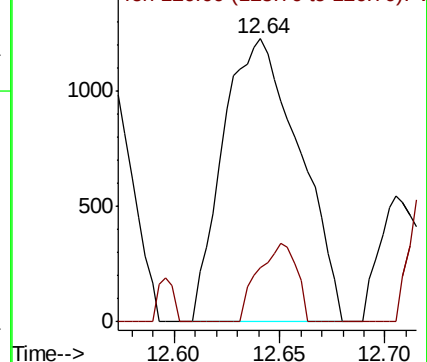
Ion Ratio Lower Upper

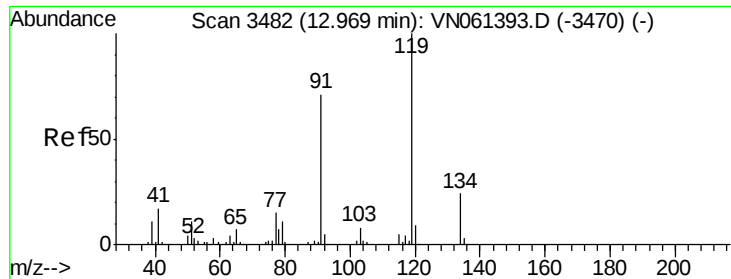
91 100

126 13.9 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 126.00 (125.70 to 126.70): VNO

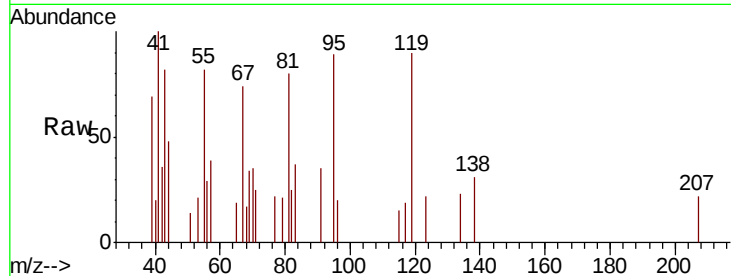




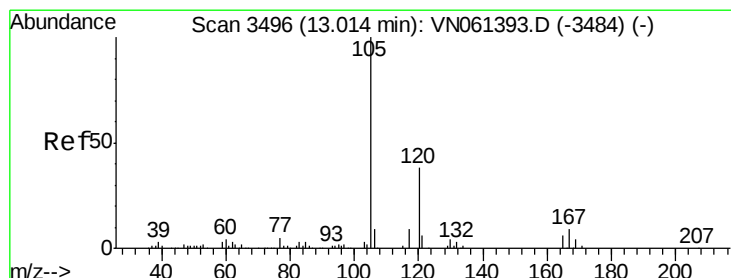
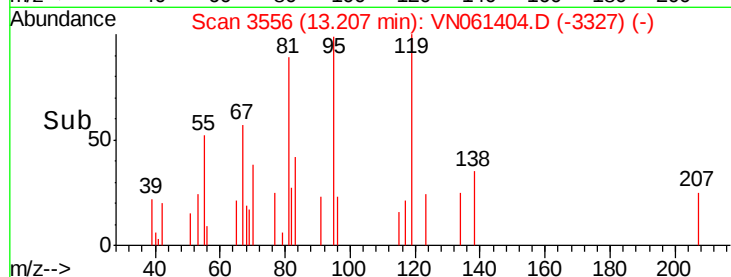
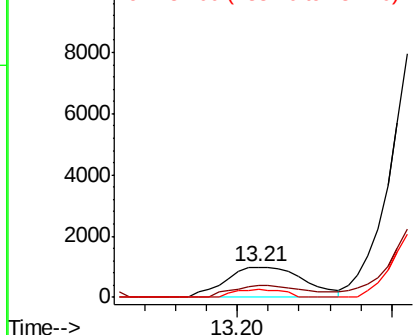
#79
tert-butylbenzene
Concen: 0.419 ug/l
RT: 13.21 min Scan# 3556
Delta R.T. 0.24 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 1727
Ion Ratio Lower Upper
119 100
91 36.7 0.0 136.4
134 16.3 0.0 47.2

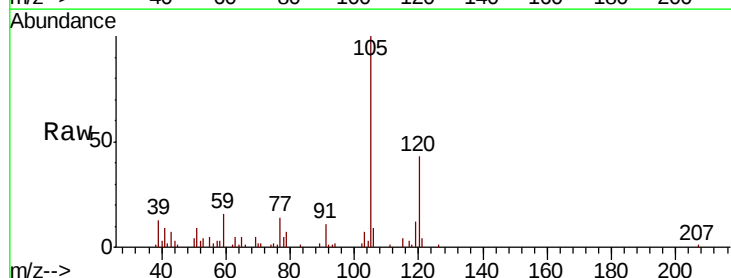


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

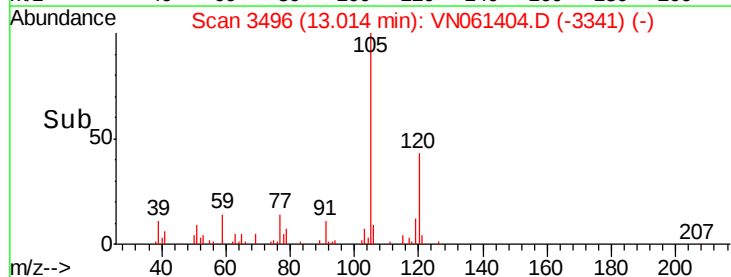
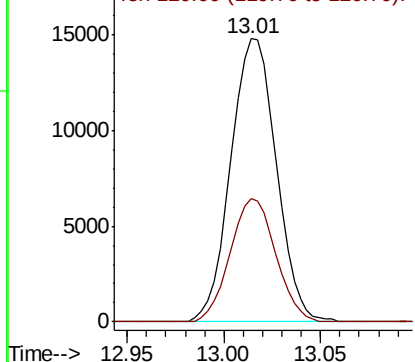


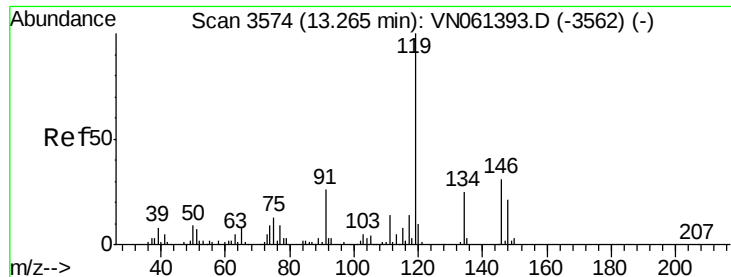
#80
1,2,4-Trimethylbenzene
Concen: 4.904 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061404.D
Acq: 14 May 2020 20:02

Tgt Ion:105 Resp: 24271
Ion Ratio Lower Upper
105 100
120 43.3 0.0 89.2



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

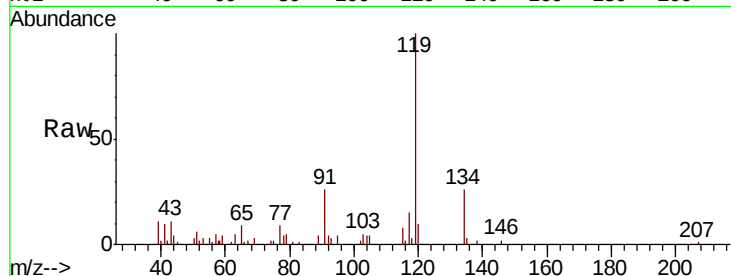




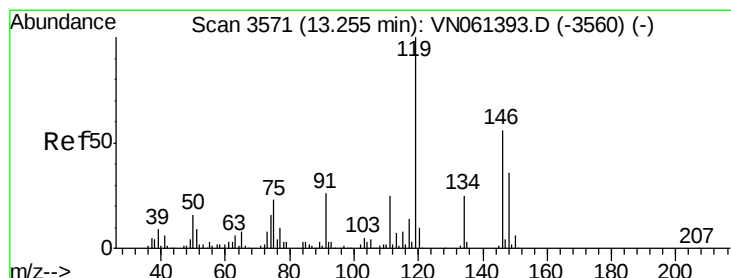
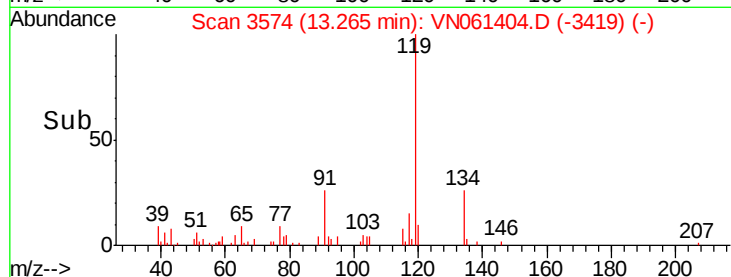
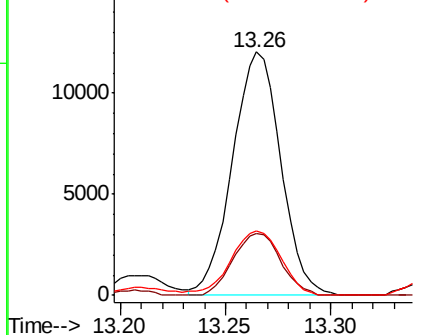
#82
 p-Isopropyltoluene
 Concen: 3.755 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	0.0	50.8
91	27.6	0.0	49.4

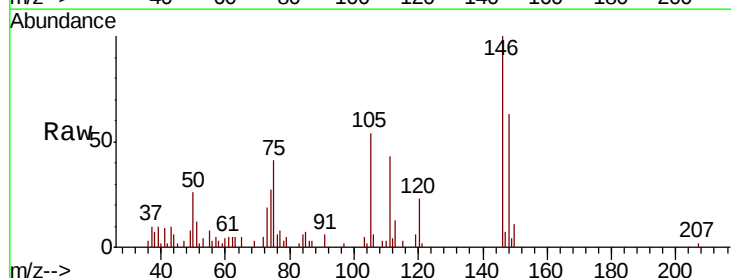


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

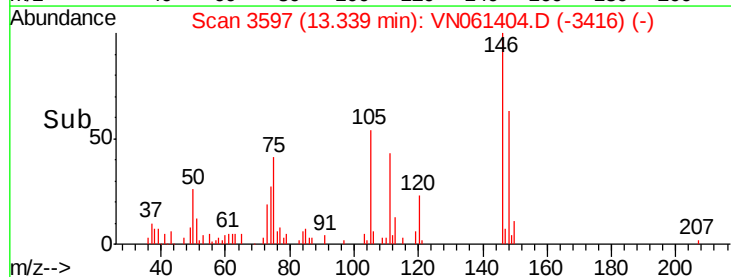
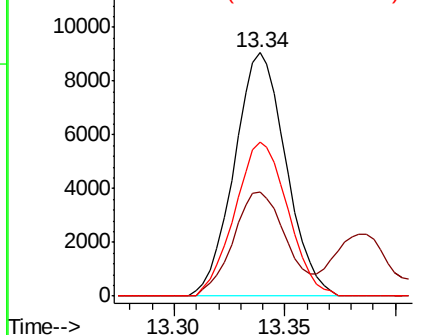


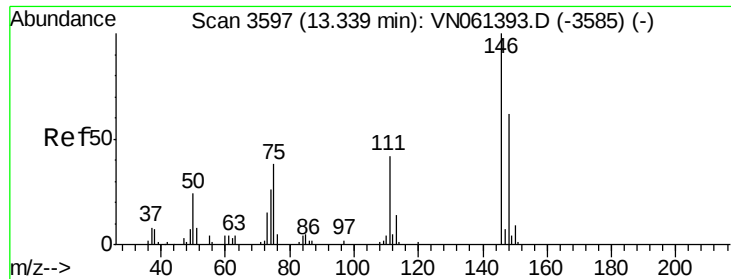
#83
 1,3-Dichlorobenzene
 Concen: 6.469 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.08 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.0	63.0
148	64.7	31.7	95.1



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 6.536 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN061404.D

Acq: 14 May 2020 20:02

Instrument :

MSVOA_N

ClientSampleId :

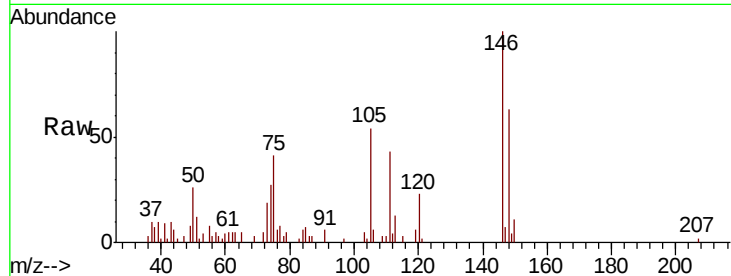
Tot Ion:146 Resp: 14755

Ion Ratio Lower Upper

146 100

111 44.5 19.8 59.4

148 64.7 31.6 94.8

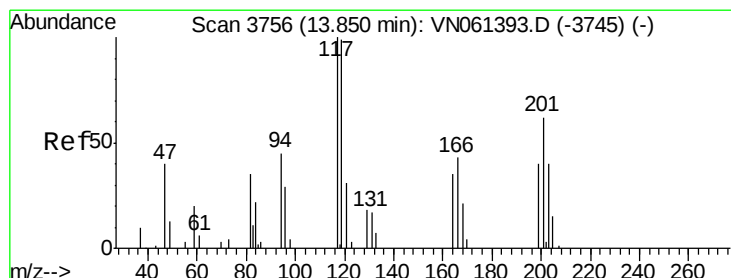
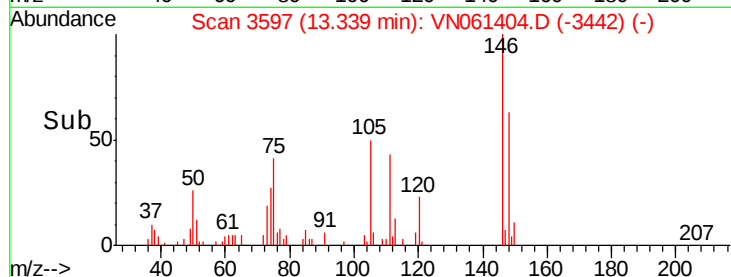
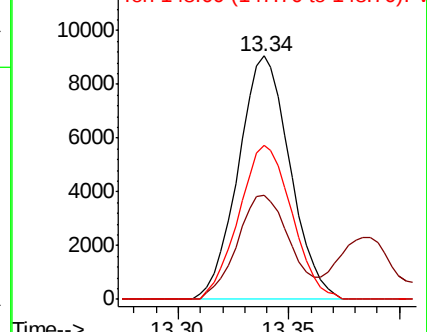


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

Hexachloroethane

Concen: 0.321 ug/l

RT: 13.87 min Scan# 3761

Delta R.T. 0.02 min

Lab File: VN061404.D

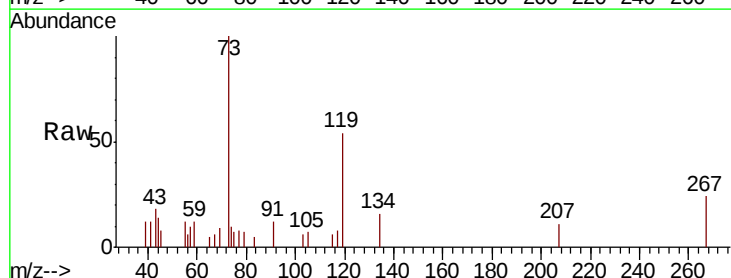
Acq: 14 May 2020 20:02

Tgt Ion:117 Resp: 229

Ion Ratio Lower Upper

117 100

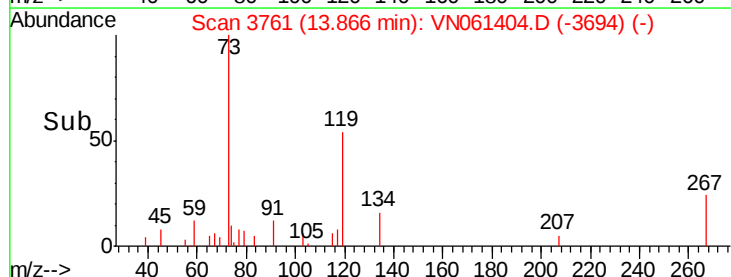
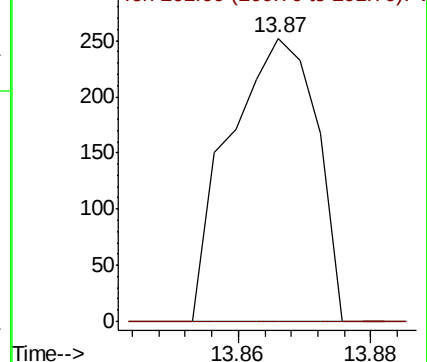
201 0.0 38.7 116.1#

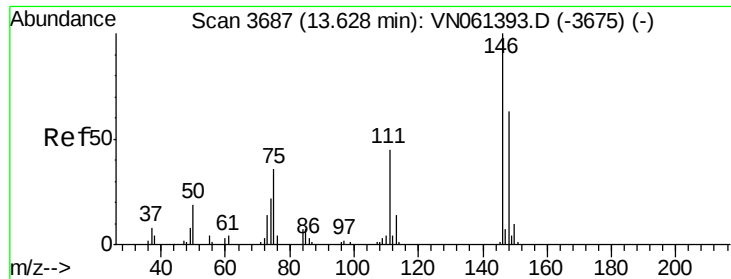


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

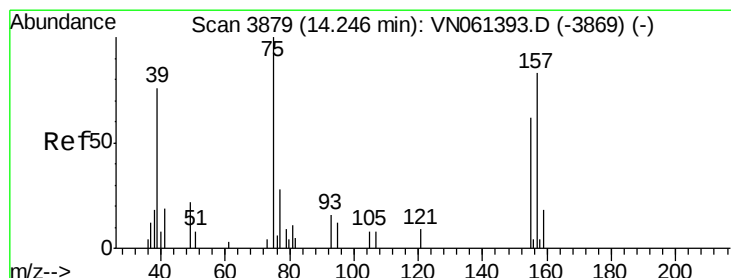
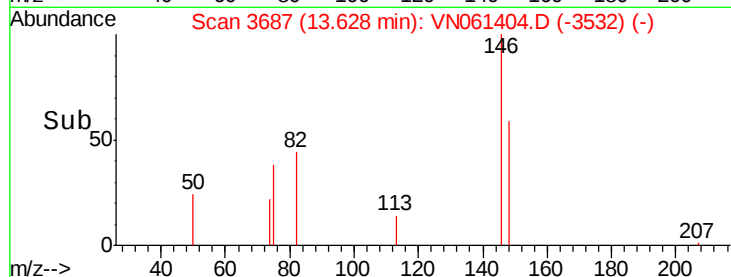
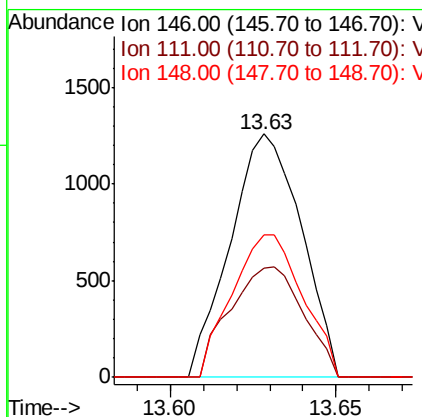
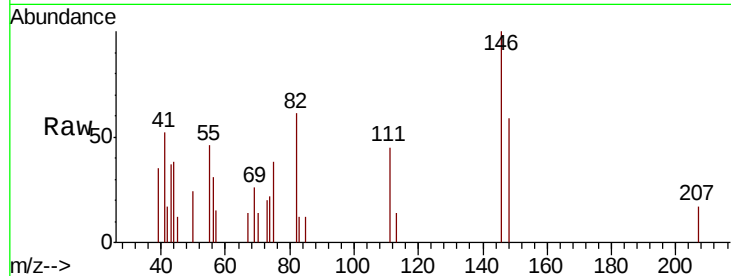




#87
 1,2-Dichlorobenzene
 Concen: 0.867 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

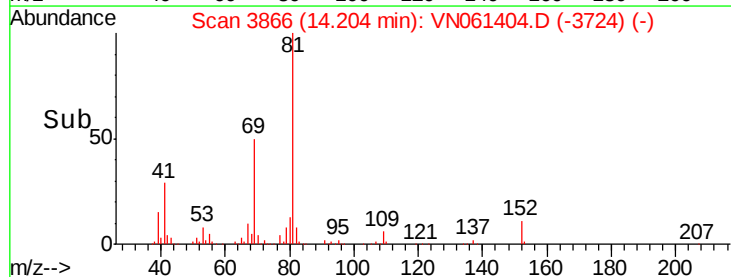
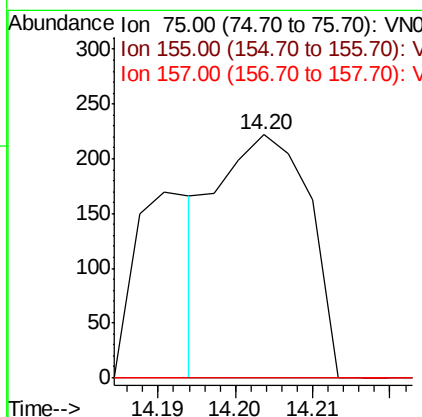
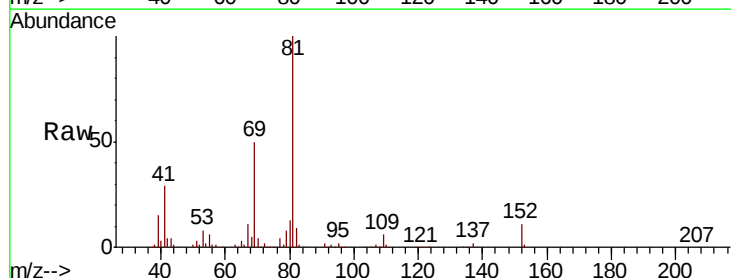
Instrument :
 MSVOA_N
 ClientSampleId :

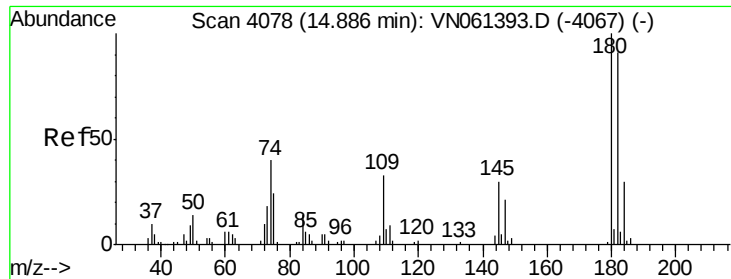
Tot Ion:146 Resp: 1877
 Ion Ratio Lower Upper
 146 100
 111 46.9 21.8 65.4
 148 58.2 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.532 ug/l
 RT: 14.20 min Scan# 3866
 Delta R.T. -0.04 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Tgt Ion: 75 Resp: 185
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.3 87.5#
 157 0.0 75.0 112.6#

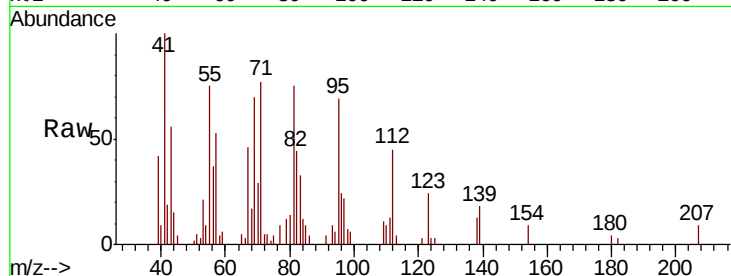




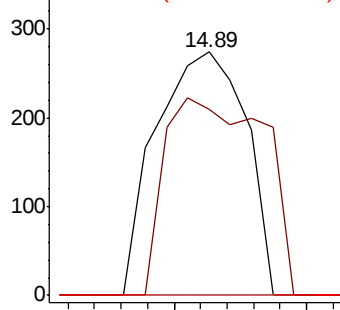
#89
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Instrument :
 MSVOA_N
 ClientSampled :

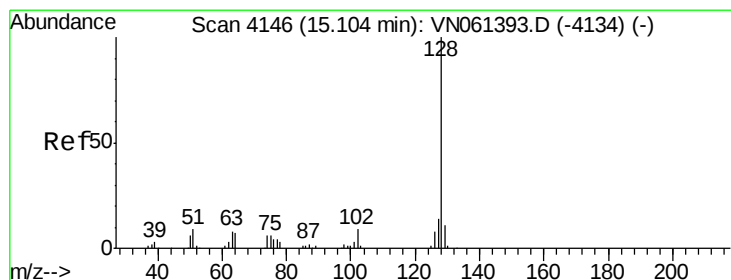
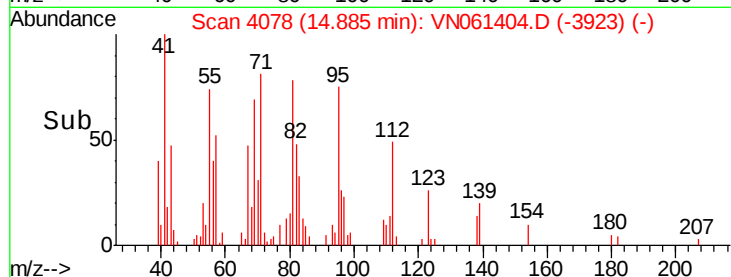
Tot Ion:180 Resp: 259
 Ion Ratio Lower Upper
 180 100
 182 60.6 75.3 112.9#
 145 0.0 24.8 37.2#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

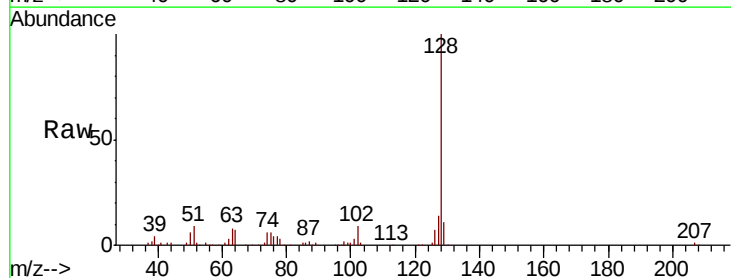


Time-->

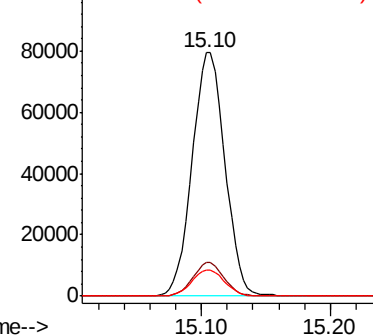


#91
 Naphthalene
 Concen: 35.891 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. -0.00 min
 Lab File: VN061404.D
 Acq: 14 May 2020 20:02

Tgt Ion:128 Resp: 140339
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.2 15.2
 129 10.7 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



Time-->

