

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084992.D
 Acq On : 21 Nov 2024 12:42
 Operator : JC\MD
 Sample : P4853-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 14:43:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

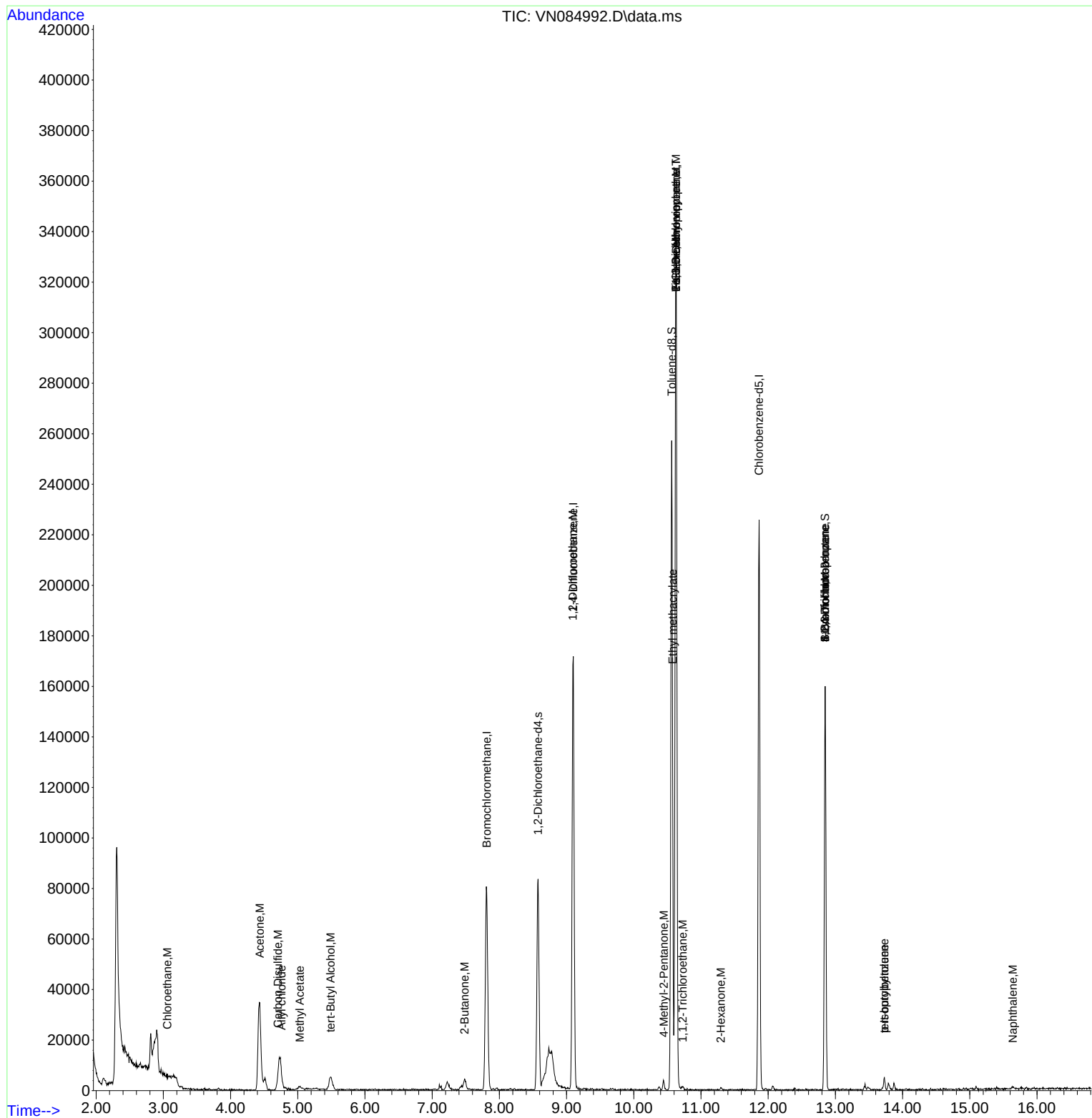
Internal Standards						
1) Bromochloromethane	7.812	128	29543	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	146557	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	130638	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71447	30.082	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.267%
60) 4-Bromofluorobenzene	12.847	95	56752	25.230	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.100%
63) Toluene-d8	10.565	98	172951	27.966	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.233%
Target Compounds						
					Qvalue	
6) Chloroethane	3.059	64	491	0.389	ug/l	93
12) Methyl Acetate	5.030	43	2318	0.864	ug/l #	61
15) Acetone	4.436	58	21410	94.908	ug/l	91
16) Carbon Disulfide	4.706	76	3421	0.675	ug/l #	88
17) Allyl chloride	4.759	41	652	0.222	ug/l #	64
23) tert-Butyl Alcohol	5.489	59	3662	11.948	ug/l #	100
30) 2-Butanone	7.482	43	7483	7.349	ug/l #	91
36) 1,2-Dichloroethane	9.094	62	5508	2.270	ug/l #	74
48) t-1,3-Dichloropropene	10.629	75	1722	0.662	ug/l #	1
49) cis-1,3-Dichloropropene	10.629	75	1722	0.618	ug/l #	1
50) 1,1,2-Trichloroethane	10.729	97	1127	0.684	ug/l #	13
51) Ethyl methacrylate	10.576	69	602	0.237	ug/l #	80
55) 2-Chloroethyl vinyl ether	10.629	63	18230	14.636	ug/l #	1
56) Bromoform	12.847	173	320	0.248	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	2627	1.275	ug/l #	45
59) 2-Hexanone	11.294	43	363	0.241	ug/l #	33
62) Toluene	10.629	91	265913	35.738	ug/l	99
72) 1,2,3-Trichloropropane	12.847	75	29233	14.723	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	29233	35.899	ug/l #	7
79) tert-butylbenzene	13.729	119	3131	0.618	ug/l	64
82) p-Isopropyltoluene	13.729	119	3131	0.533	ug/l	94
91) Naphthalene	15.641	128	1049	0.200	ug/l #	69

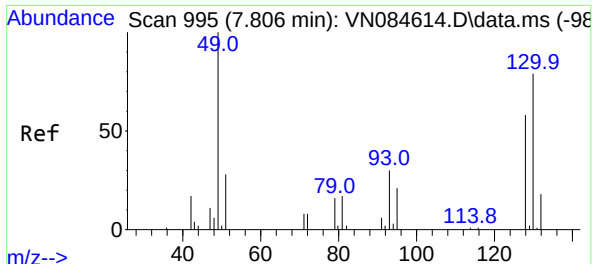
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN084992.D
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

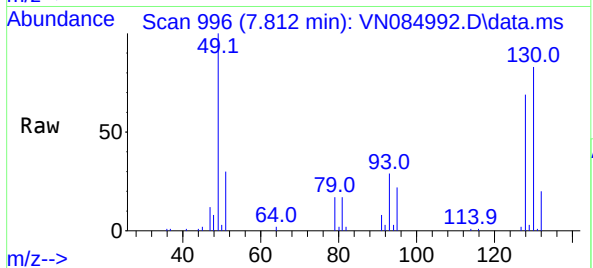
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration



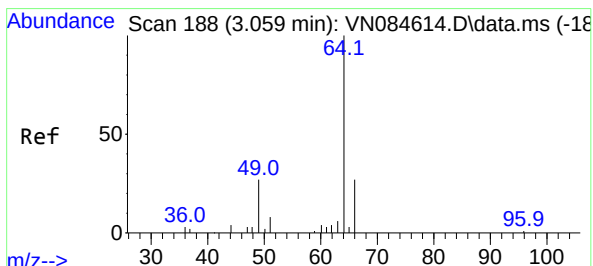
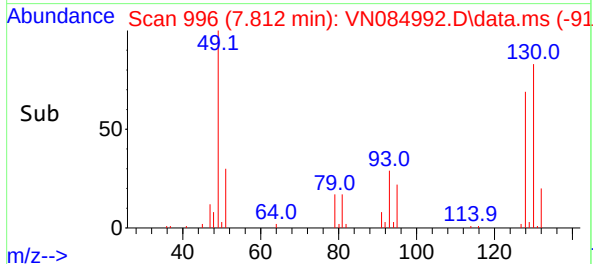
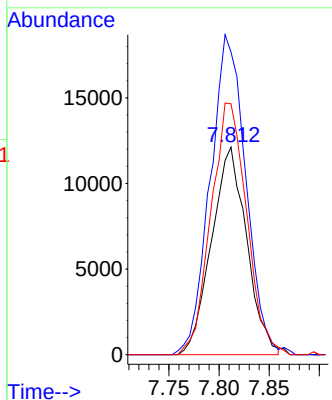


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 995
Delta R.T. 0.006 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :

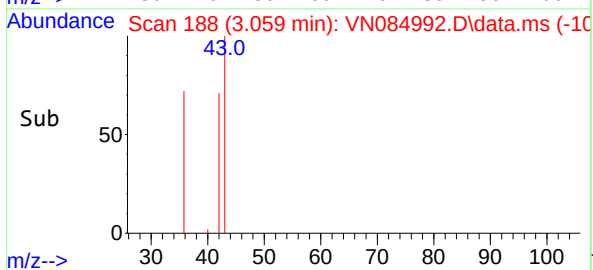
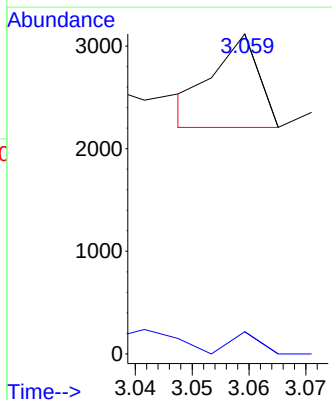
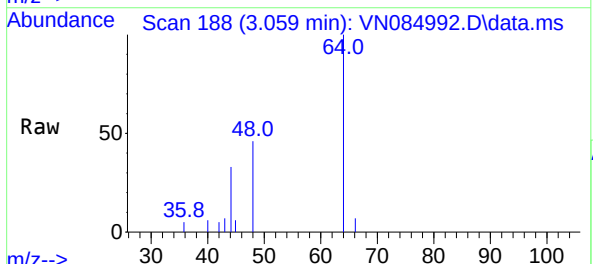


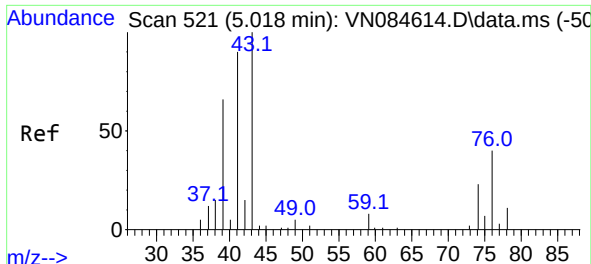
Tgt Ion:128 Resp: 29543
Ion Ratio Lower Upper
128 100
49 155.5 0.0 427.0
130 123.5 0.0 322.2



#6
Chloroethane
Concen: 0.389 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

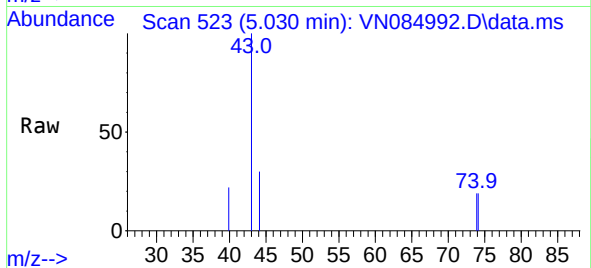
Tgt Ion: 64 Resp: 491
Ion Ratio Lower Upper
64 100
66 23.8 22.1 33.1



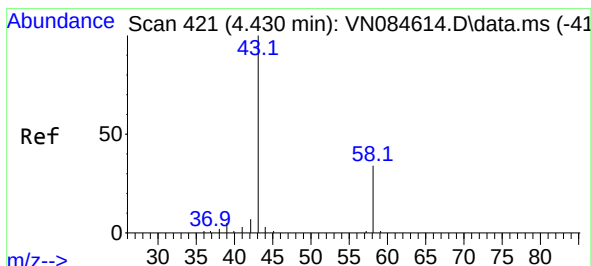
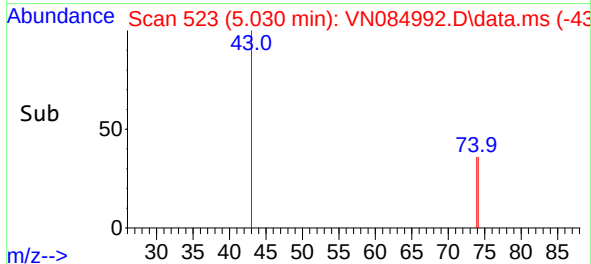
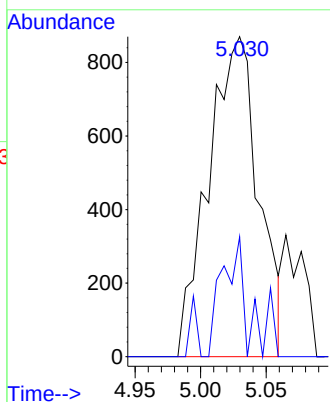


#12
Methyl Acetate
Concen: 0.864 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :

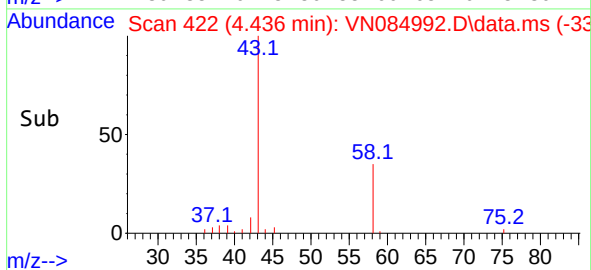
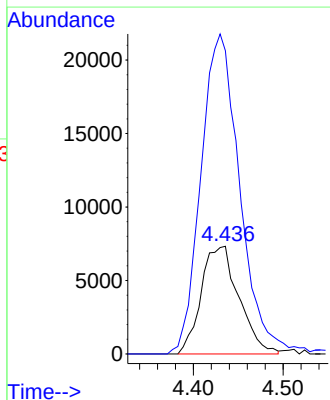
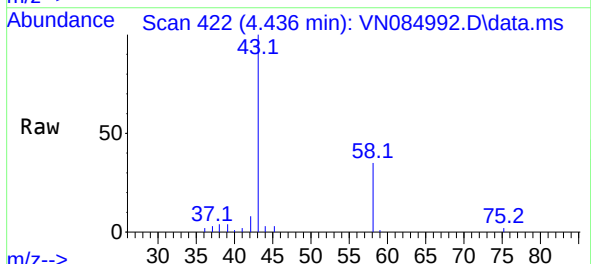


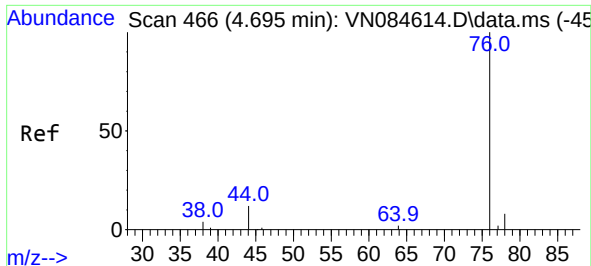
Tgt Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
74 42.9 19.0 28.4#



#15
Acetone
Concen: 94.908 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

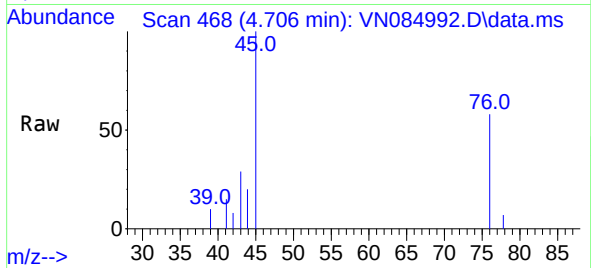
Tgt Ion: 58 Resp: 21410
Ion Ratio Lower Upper
58 100
43 274.8 233.0 349.6



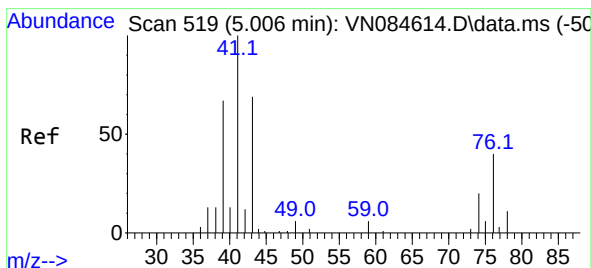
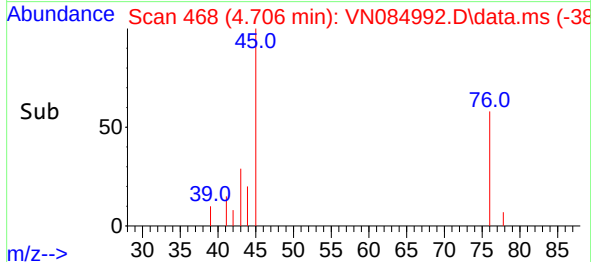
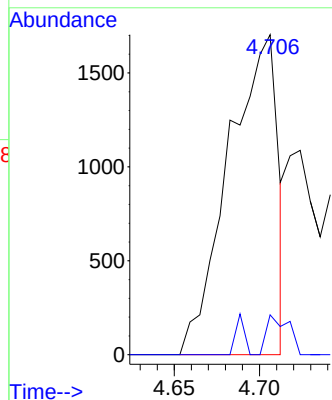


#16
Carbon Disulfide
Concen: 0.675 ug/l
RT: 4.706 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :

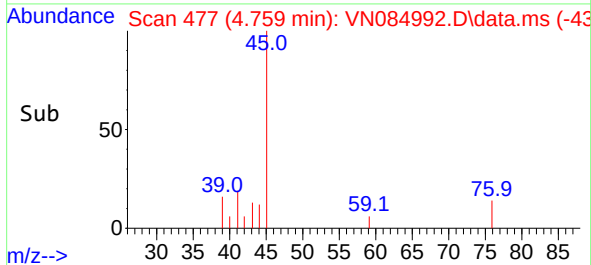
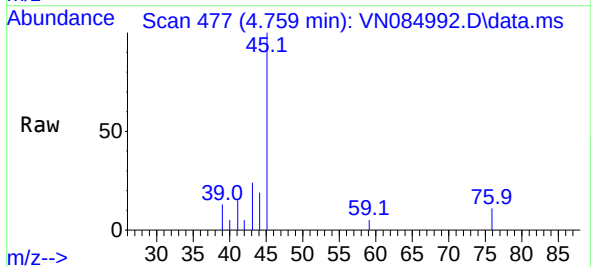
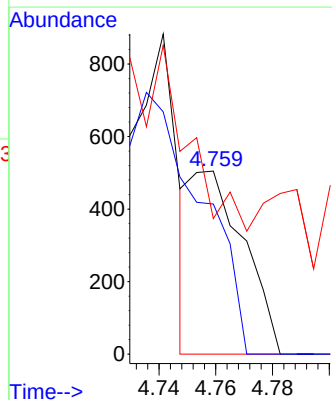


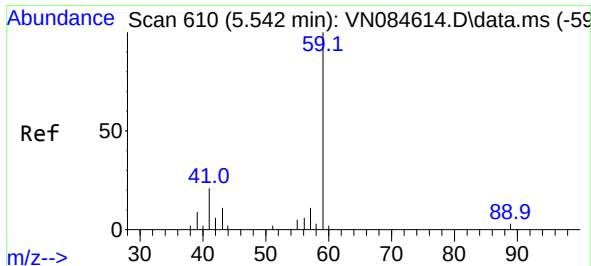
Tgt Ion: 76 Resp: 3421
Ion Ratio Lower Upper
76 100
78 12.4 6.6 9.8#



#17
Allyl chloride
Concen: 0.222 ug/l
RT: 4.759 min Scan# 477
Delta R.T. -0.247 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Tgt Ion: 41 Resp: 652
Ion Ratio Lower Upper
41 100
39 82.0 33.4 100.2
76 0.0 20.2 60.6#

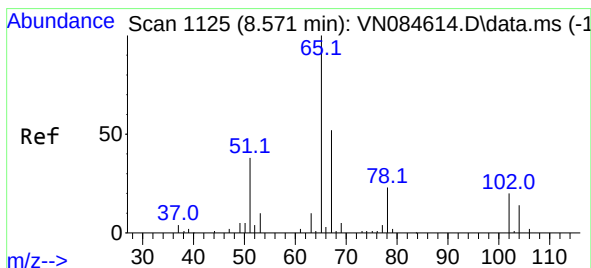
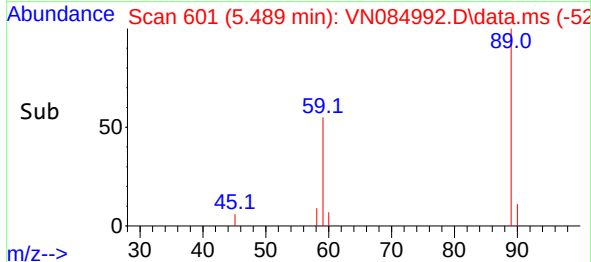
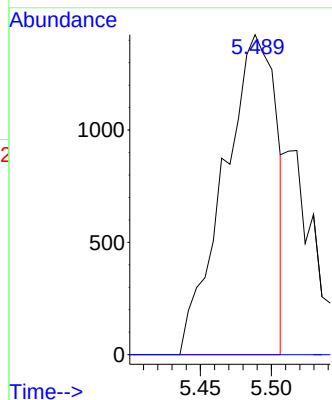
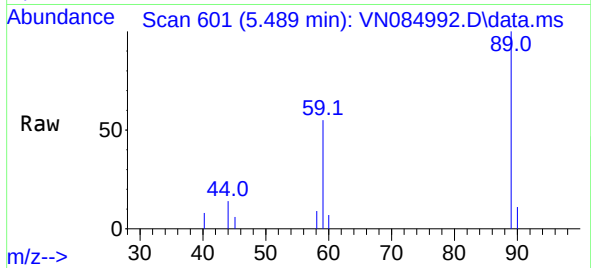




#23
tert-Butyl Alcohol
Concen: 11.948 ug/l
RT: 5.489 min Scan# 610
Delta R.T. -0.053 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

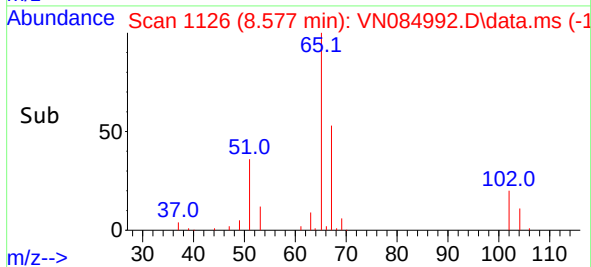
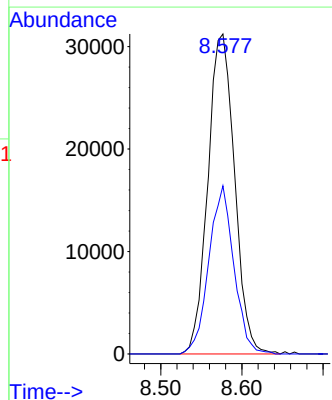
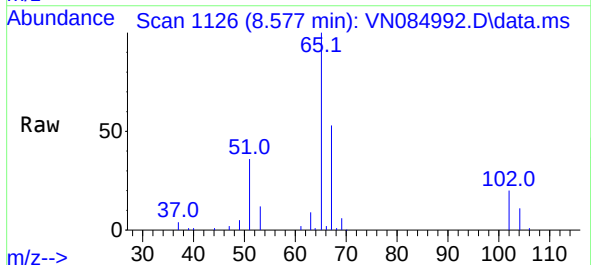
Instrument :
MSVOA_N
ClientSampleId :

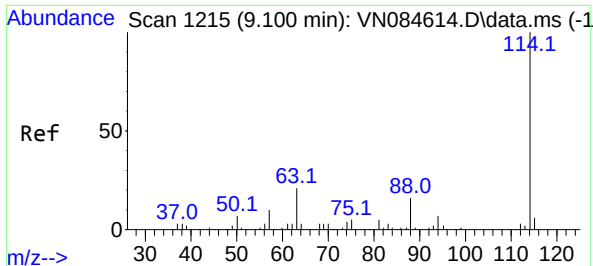
Tgt Ion: 59 Resp: 3662
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.082 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Tgt Ion: 65 Resp: 71447
Ion Ratio Lower Upper
65 100
67 49.3 40.7 61.1

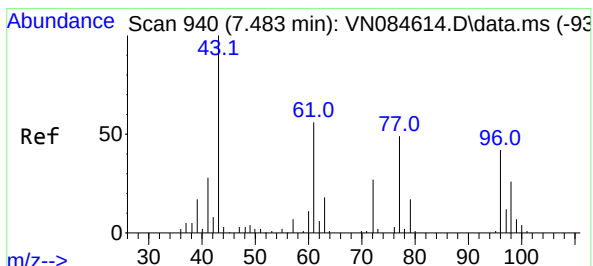
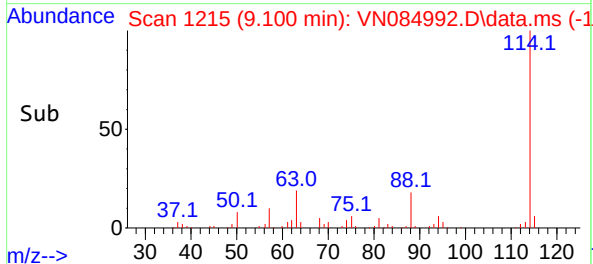
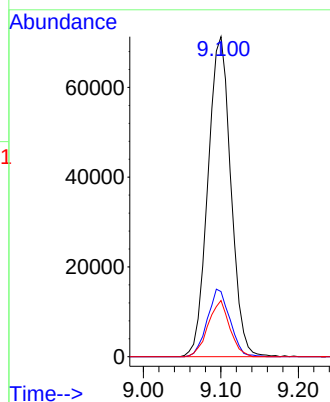
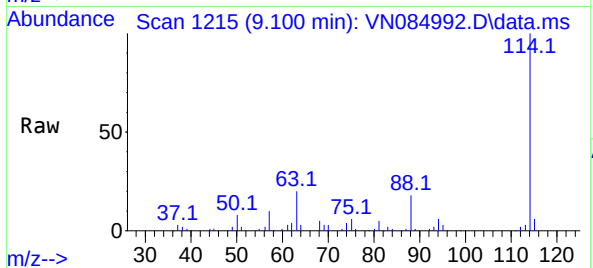




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

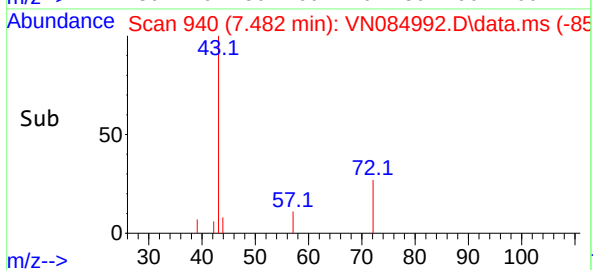
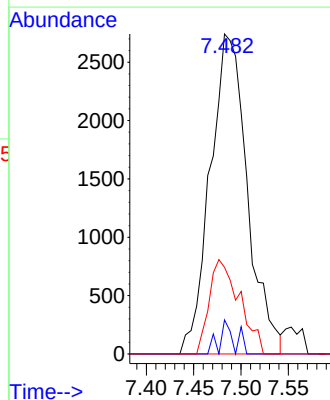
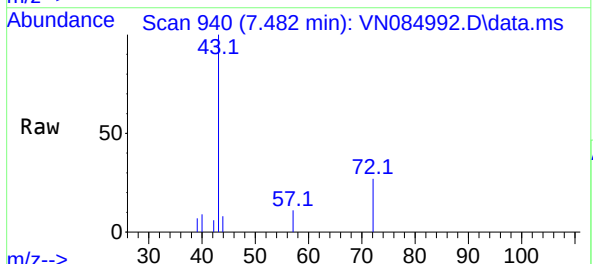
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MSVOA_N
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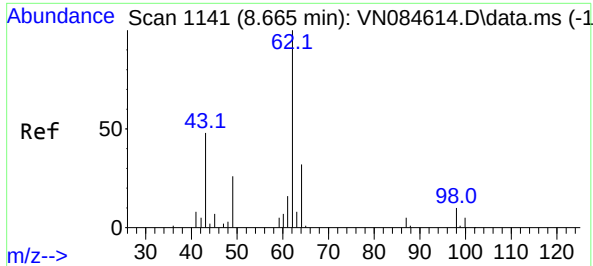
Tgt Ion:114 Resp: 146557
Ion Ratio Lower Upper
114 100
63 20.8 16.8 25.2
88 16.6 12.9 19.3



#30
2-Butanone
Concen: 7.349 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Tgt Ion: 43 Resp: 7483
Ion Ratio Lower Upper
43 100
57 2.3 6.2 9.4#
72 23.0 21.5 32.3

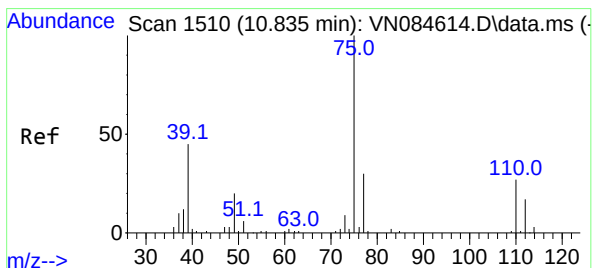
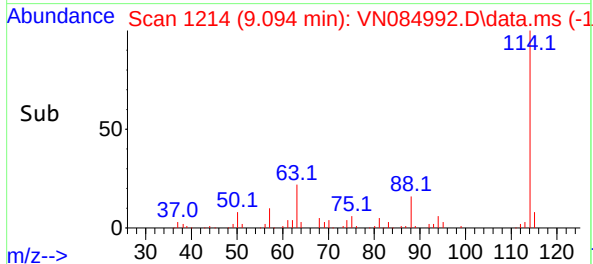
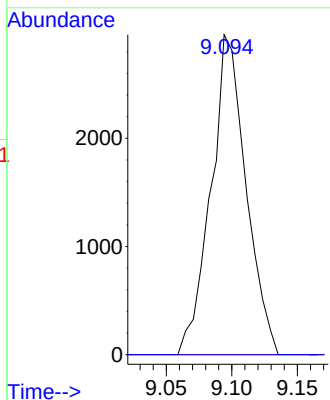
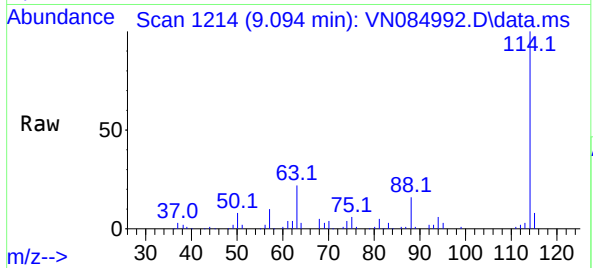




#36
1,2-Dichloroethane
Concen: 2.270 ug/l
RT: 9.094 min Scan# 1141
Delta R.T. 0.429 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

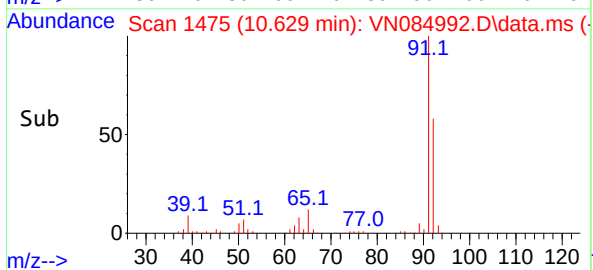
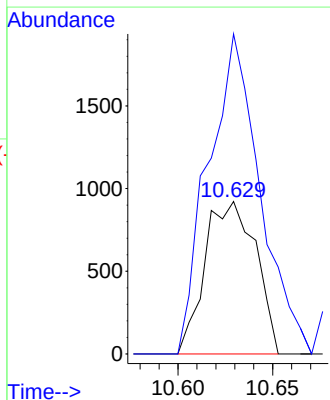
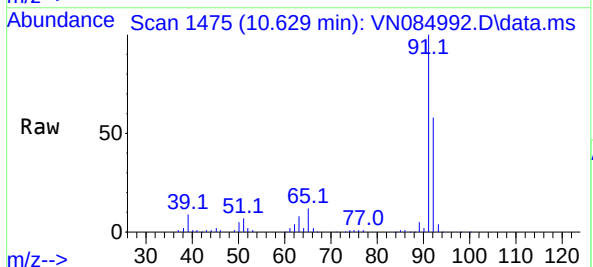
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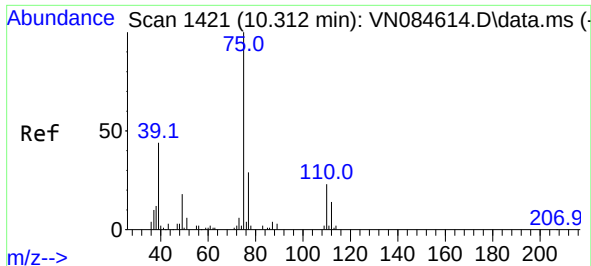
Tgt Ion: 62 Resp: 5508
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



#48
t-1,3-Dichloropropene
Concen: 0.662 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.206 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Tgt Ion: 75 Resp: 1722
Ion Ratio Lower Upper
75 100
77 209.9 24.4 36.6#





#49

cis-1,3-Dichloropropene

Concen: 0.618 ug/l

RT: 10.629 min Scan# 1492

Delta R.T. 0.317 min

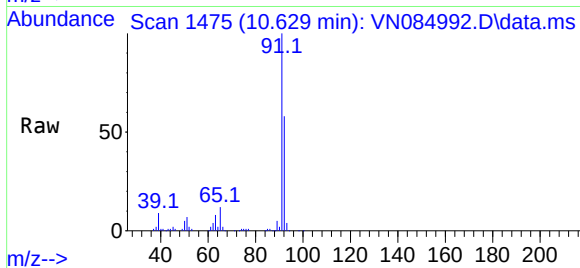
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Acq: 21 Nov 2024 12:42

Instrument :

MSVOA_N

ClientSampleId :



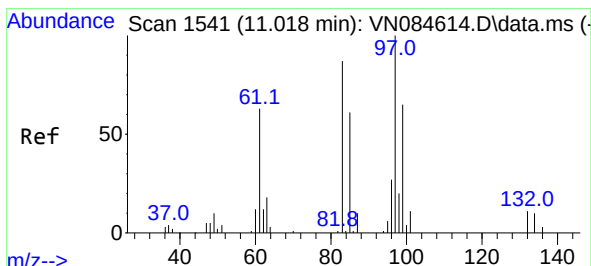
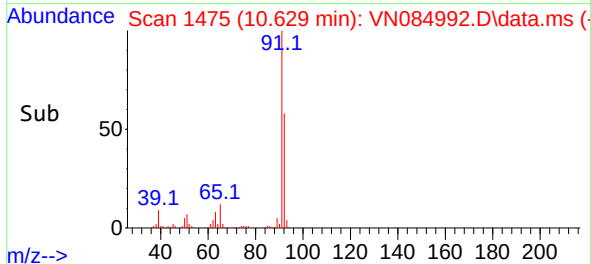
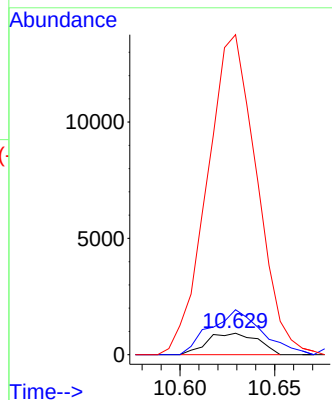
Tgt Ion: 75 Resp: 1722

Ion Ratio Lower Upper

75 100

77 209.9 23.4 35.2#

39 1356.6 35.4 53.2#



#50

1,1,2-Trichloroethane

Concen: 0.684 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.288 min

Lab File: VN084992.D

Acq: 21 Nov 2024 12:42

Tgt Ion: 97 Resp: 1127

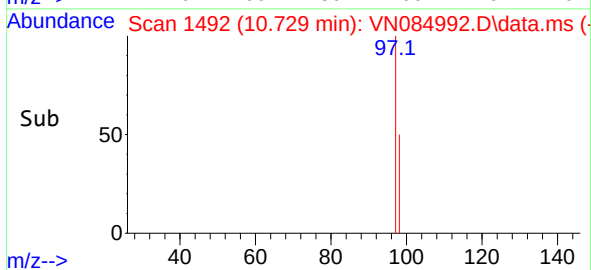
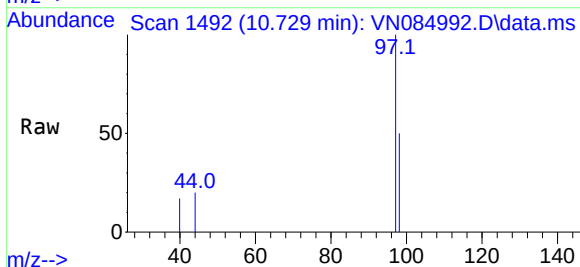
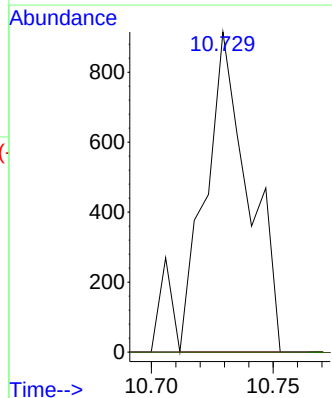
Ion Ratio Lower Upper

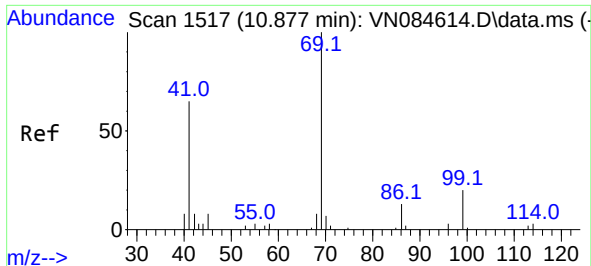
97 100

83 0.0 69.8 104.8#

85 0.0 48.6 73.0#

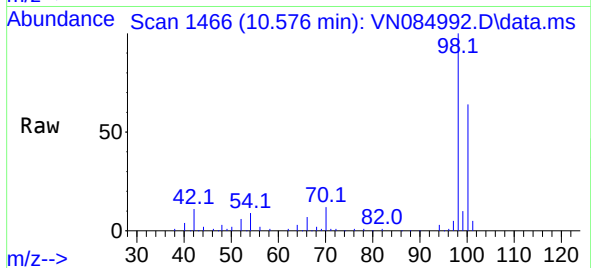
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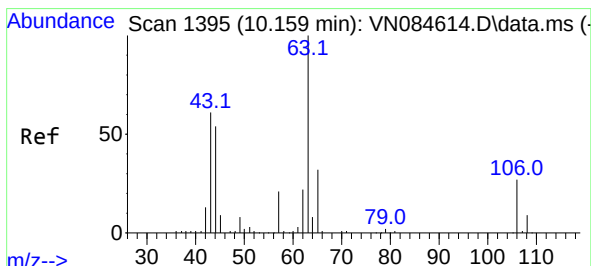
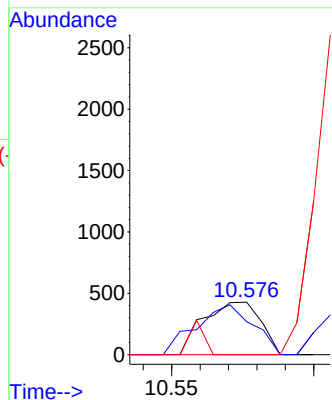
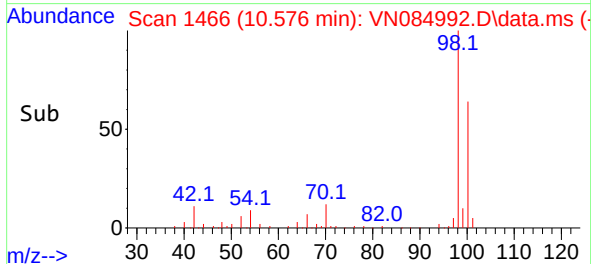


#51
Ethyl methacrylate
Concen: 0.237 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :

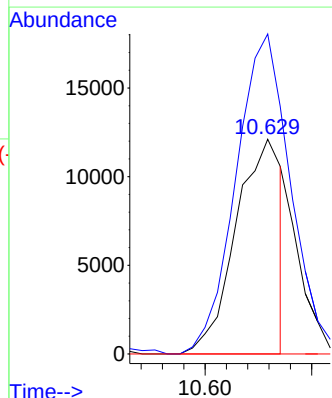
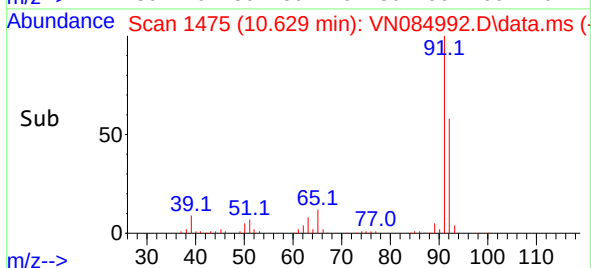
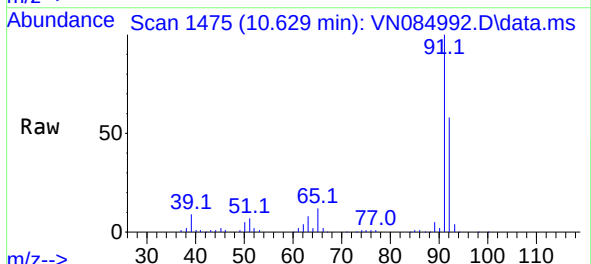


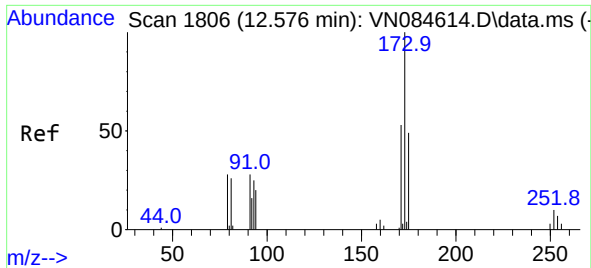
Tgt Ion: 69 Resp: 602
Ion Ratio Lower Upper
69 100
41 62.6 32.8 98.3
39 0.0 15.4 46.1#



#55
2-Chloroethyl vinyl ether
Concen: 14.636 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.470 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

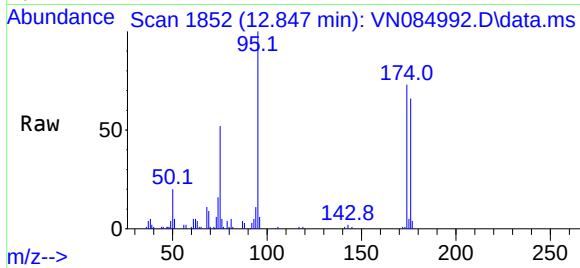
Tgt Ion: 63 Resp: 18230
Ion Ratio Lower Upper
63 100
65 144.3 25.5 38.3#
106 0.0 22.3 33.5#



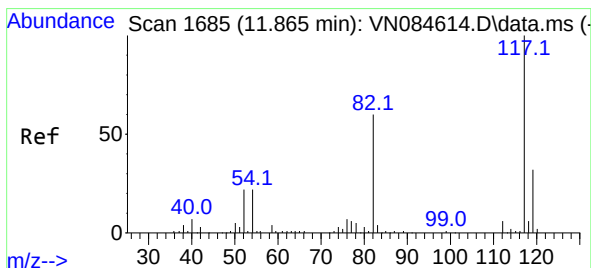
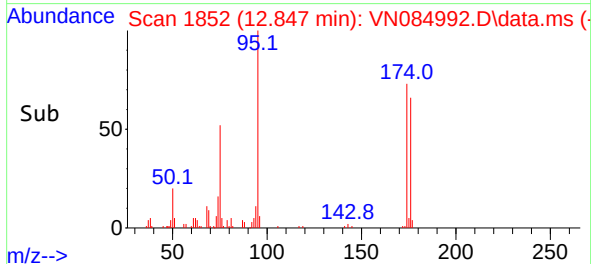
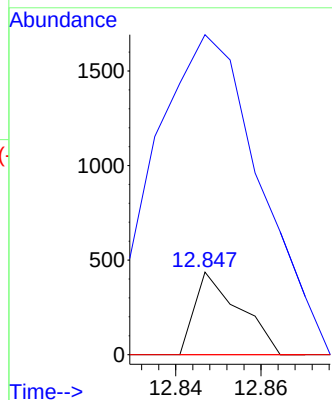


#56
Bromoform
Concen: 0.248 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :

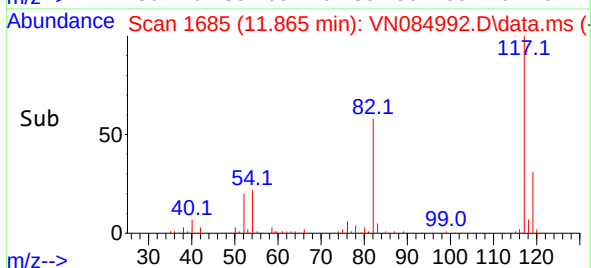
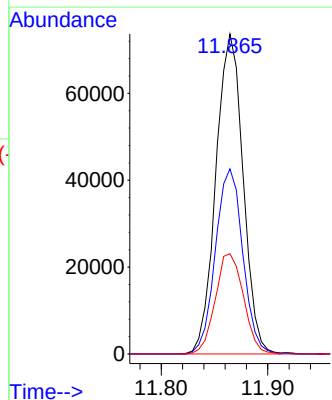
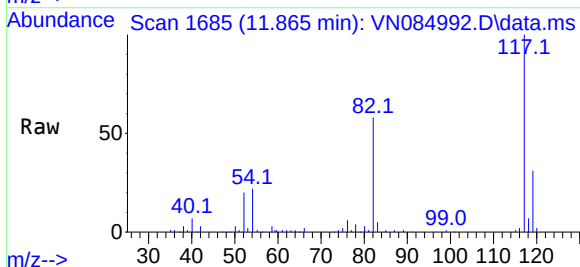


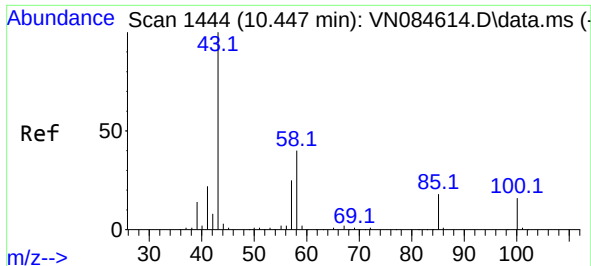
Tgt Ion:173 Resp: 320
Ion Ratio Lower Upper
173 100
175 911.6 39.4 59.2#
254 0.0 6.4 9.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

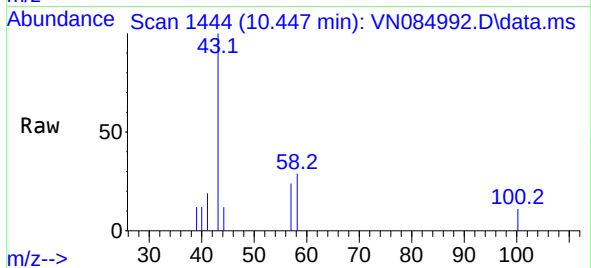
Tgt Ion:117 Resp: 130638
Ion Ratio Lower Upper
117 100
82 58.3 45.5 68.3
119 32.4 25.3 37.9



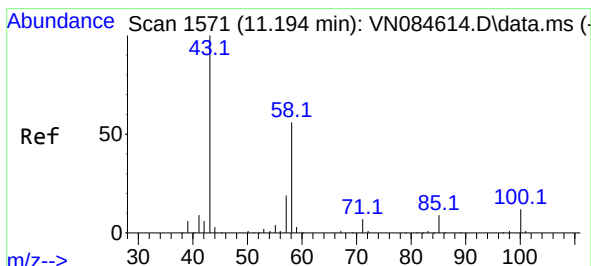
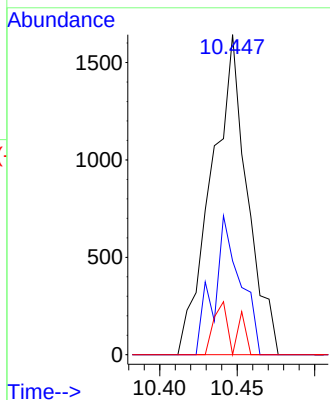
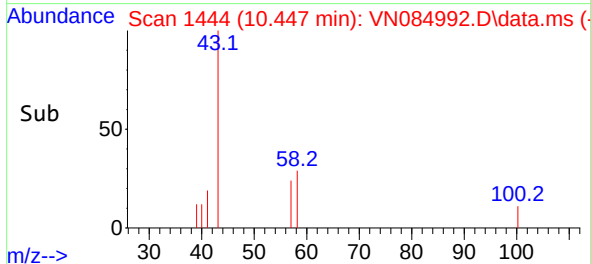


#58
4-Methyl-2-Pentanone
Concen: 1.275 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :

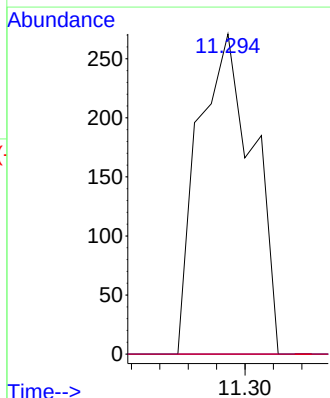
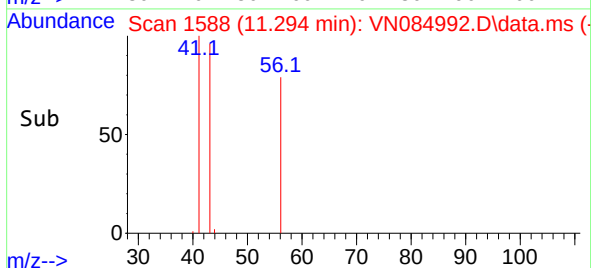
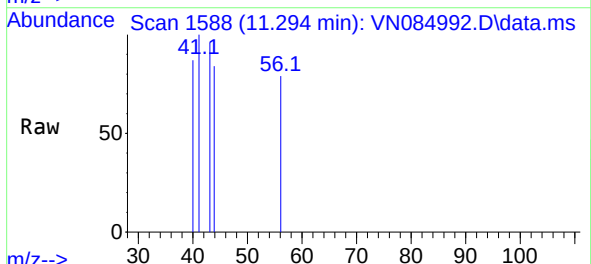


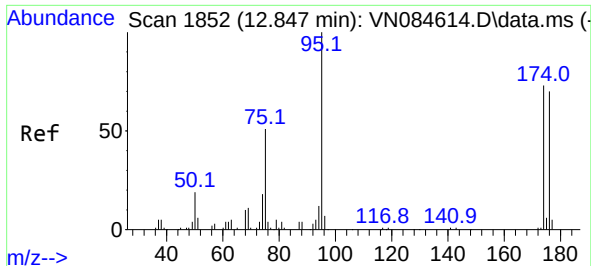
Tgt Ion: 43 Resp: 2627
Ion Ratio Lower Upper
43 100
58 0.0 31.2 46.8#
85 3.0 14.9 22.3#



#59
2-Hexanone
Concen: 0.241 ug/l
RT: 11.294 min Scan# 1588
Delta R.T. 0.100 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Tgt Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
58 0.0 43.8 65.6#
57 0.0 15.0 22.6#

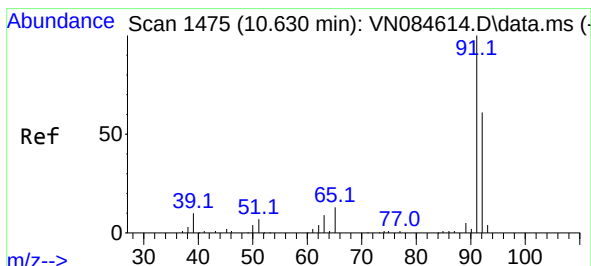
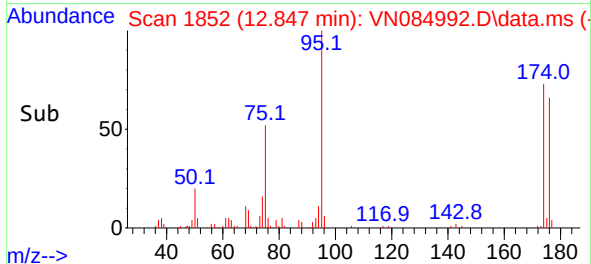
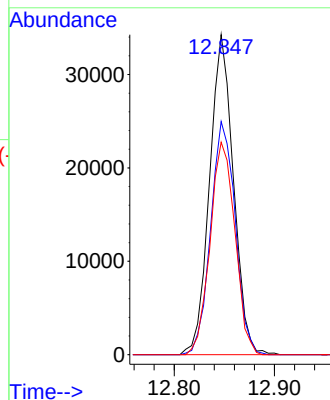
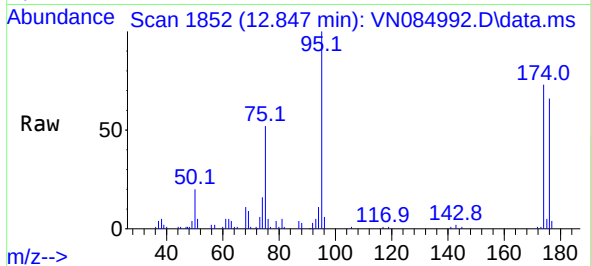




#60
4-Bromofluorobenzene
Concen: 25.230 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

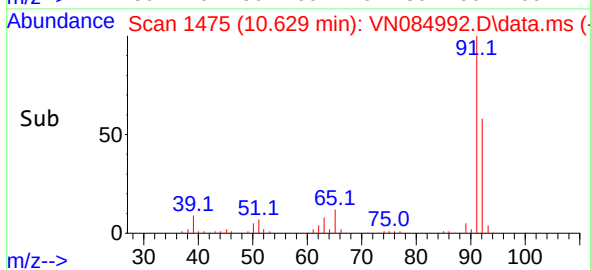
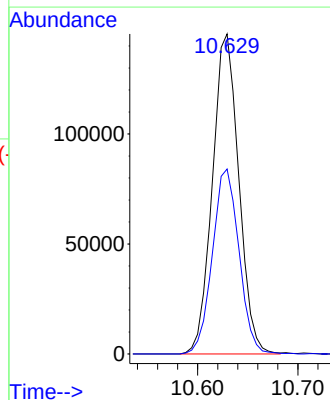
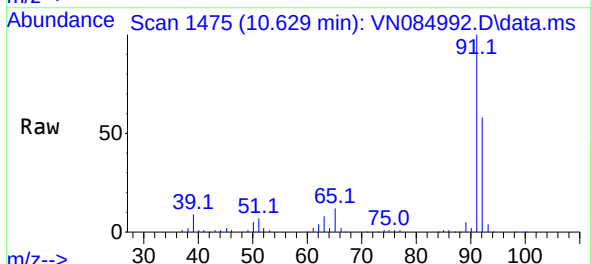
Instrument :
MSVOA_N
ClientSampleId :

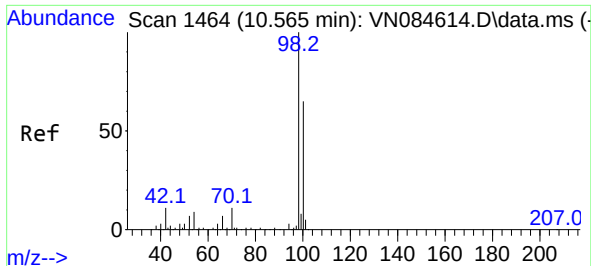
Tgt Ion: 95 Resp: 56752
Ion Ratio Lower Upper
95 100
174 74.9 59.6 89.4
176 69.0 58.6 88.0



#62
Toluene
Concen: 35.738 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

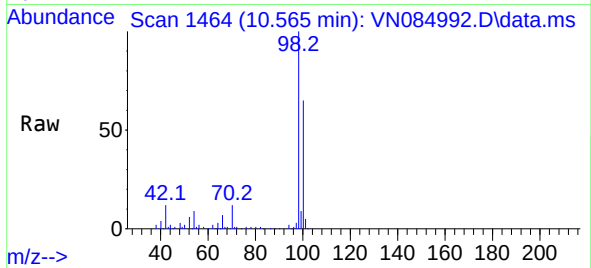
Tgt Ion: 91 Resp: 265913
Ion Ratio Lower Upper
91 100
92 58.3 47.5 71.3



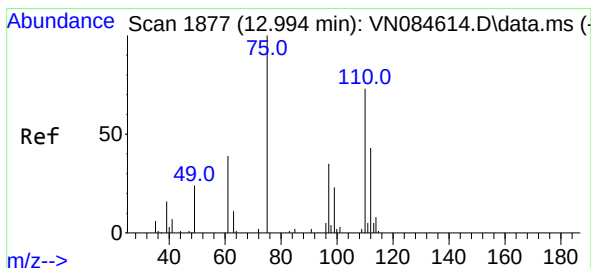
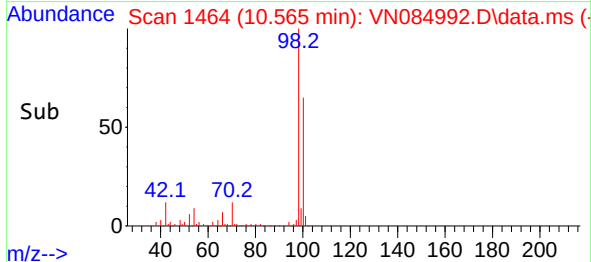
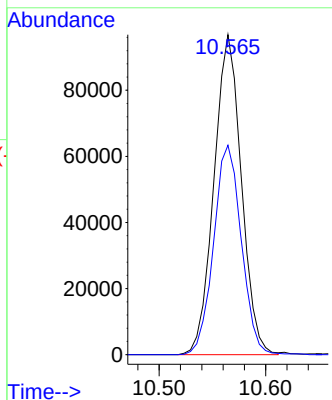


#63
Toluene-d8
Concen: 27.966 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :

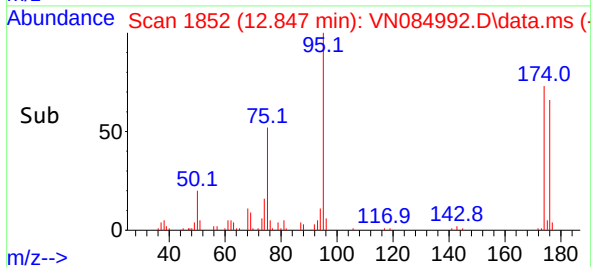
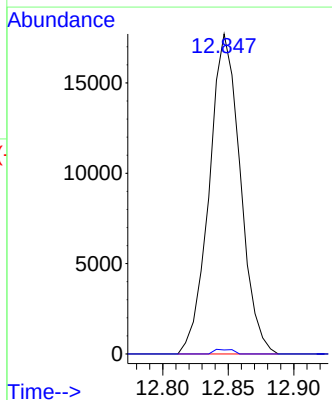
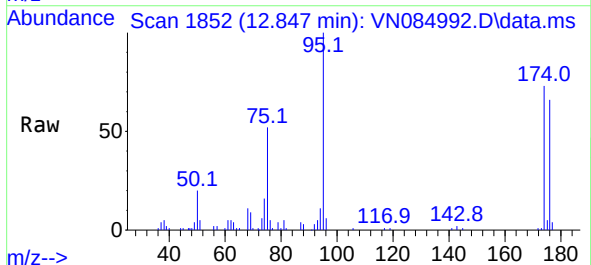


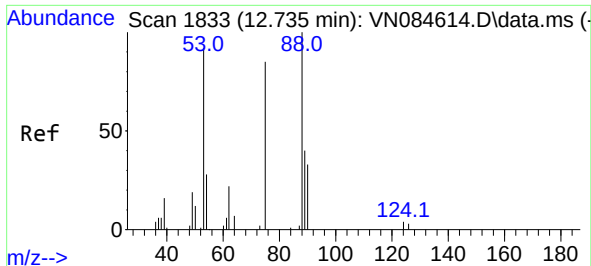
Tgt Ion: 98 Resp: 172951
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2



#72
1,2,3-Trichloropropane
Concen: 14.723 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

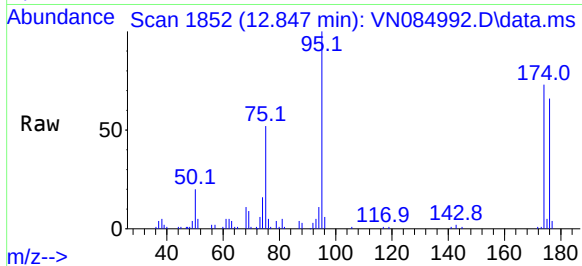
Tgt Ion: 75 Resp: 29233
Ion Ratio Lower Upper
75 100
77 0.9 0.0 358.4



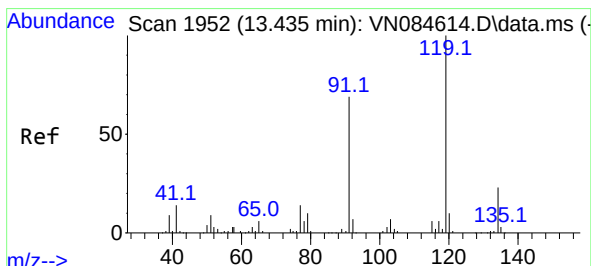
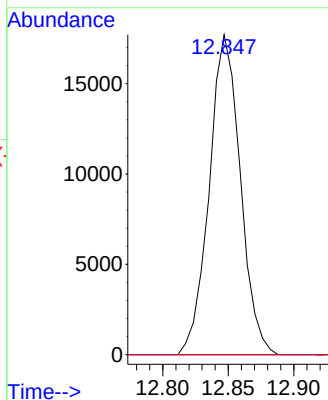
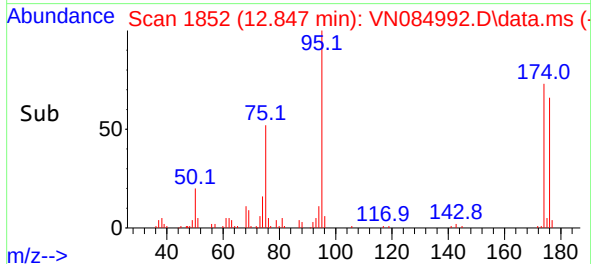


#77
t-1,4-Dichloro-2-butene
Concen: 35.899 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

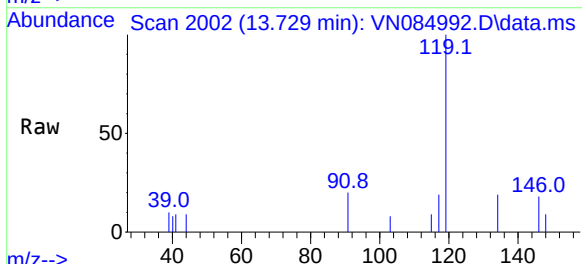
Instrument :
MSVOA_N
ClientSampleId :



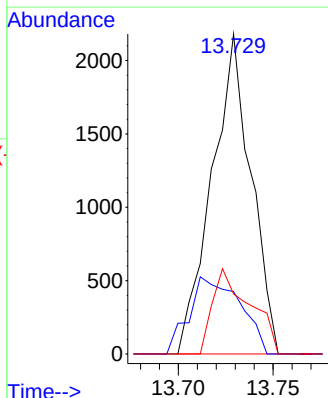
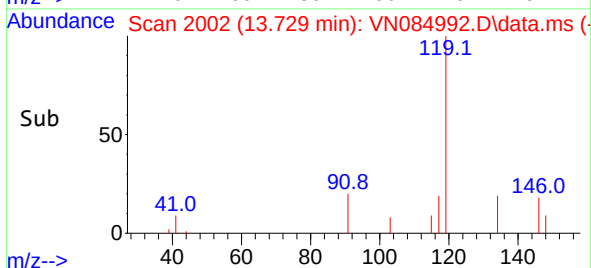
Tgt Ion: 75 Resp: 29233
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#

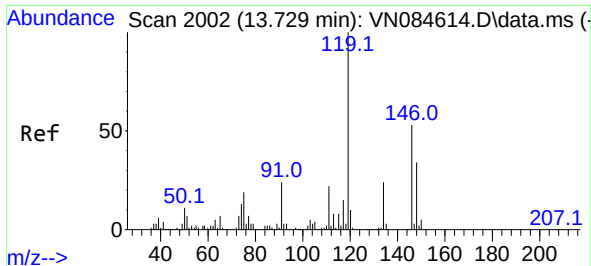


#79
tert-butylbenzene
Concen: 0.618 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.294 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42



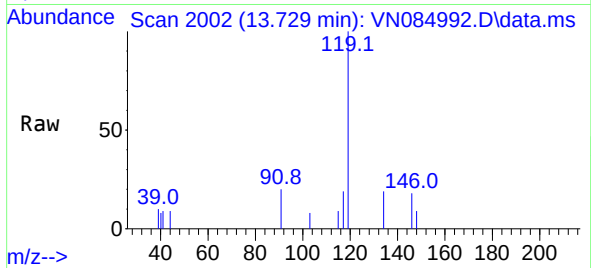
Tgt Ion: 119 Resp: 3131
Ion Ratio Lower Upper
119 100
91 31.5 0.0 143.2
134 25.5 0.0 49.4



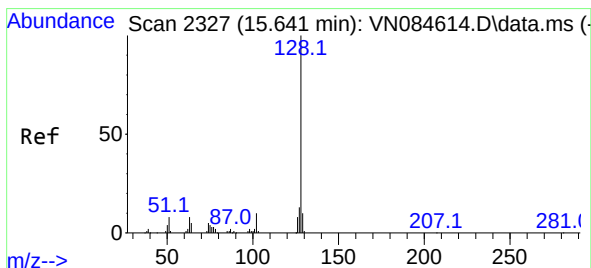
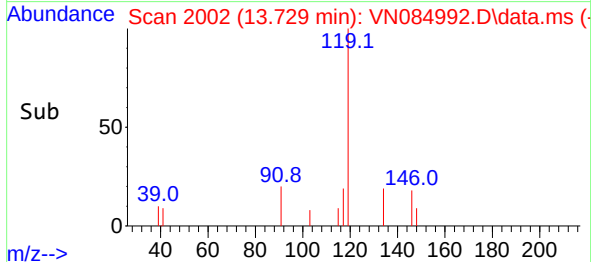
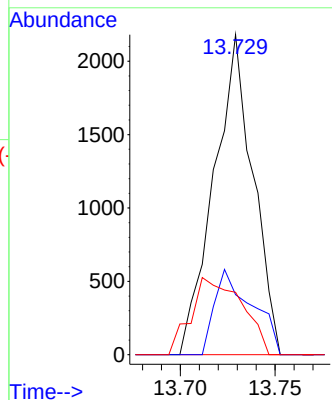


#82
p-Isopropyltoluene
Concen: 0.533 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:119 Resp: 3131
Ion Ratio Lower Upper
119 100
134 25.5 0.0 51.4
91 31.5 0.0 50.4



#91
Naphthalene
Concen: 0.200 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN084992.D
Acq: 21 Nov 2024 12:42

Tgt Ion:128 Resp: 1049
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

