

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040723\
 Data File : VN077272.D
 Acq On : 07 Apr 2023 11:35
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 08 05:33:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	58601	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	439005	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	434463	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	150680	30.318	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.067%	
60) 4-Bromofluorobenzene	12.854	95	195917	26.079	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 86.933%	
63) Toluene-d8	10.572	98	492758	32.262	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 107.533%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.131	85	2231	0.400	ug/l	93
3) Chloromethane	2.372	50	3797	0.513	ug/l	89
4) Vinyl Chloride	2.525	62	2319	0.219	ug/l #	52
6) Chloroethane	3.149	64	1834	0.258	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.366	101	1736	0.281	ug/l	44
10) 1,1-Dichloroethene	4.343	96	1901	0.308	ug/l #	53
13) Acrolein	4.254	56	240	0.210	ug/l	84
16) Carbon Disulfide	4.719	76	20281	1.244	ug/l #	91
29) 1,1-Dichloropropene	8.378	75	3789	0.398	ug/l	73
37) Trichloroethene	9.354	130	3269	0.454	ug/l	94
38) Methylcyclohexane	9.601	83	3807	0.295	ug/l	81
40) Dibromomethane	9.713	93	2203	0.419	ug/l	61
48) t-1,3-Dichloropropene	10.836	75	3492	0.297	ug/l #	83
51) Ethyl methacrylate	10.883	69	3103	0.264	ug/l	97
55) 2-Chloroethyl vinyl ether	10.160	63	3313	0.914	ug/l #	77
59) 2-Hexanone	11.207	43	14054	2.235	ug/l	95
61) Tetrachloroethene	11.107	164	2751	0.532	ug/l #	89
62) Toluene	10.636	91	8740	0.288	ug/l	95
64) Chlorobenzene	11.895	112	9036	0.491	ug/l	90
66) Ethyl Benzene	11.972	91	12406	0.369	ug/l	93
67) m/p-Xylenes	12.077	106	10070	0.765	ug/l	89
68) o-Xylene	12.401	106	3309	0.251	ug/l	72
69) Styrene	12.419	104	9785	0.464	ug/l	92
70) Isopropylbenzene	12.701	105	8863	0.265	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.948	83	3511	0.343	ug/l #	26
73) Bromobenzene	12.989	156	4913	0.724	ug/l	85
74) n-propylbenzene	13.036	91	20180	0.546	ug/l	98
75) 2-Chlorotoluene	13.130	91	10287	0.464	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	8937	0.329	ug/l	94
78) 4-Chlorotoluene	13.224	91	17468	0.835	ug/l	100
80) 1,2,4-Trimethylbenzene	13.489	105	9320	0.351	ug/l	72
81) sec-Butylbenzene	13.618	105	13594	0.402	ug/l	90
82) p-Isopropyltoluene	13.730	119	14988	0.553	ug/l	97
83) 1,3-Dichlorobenzene	13.742	146	12288	0.954	ug/l	97
84) 1,4-Dichlorobenzene	13.813	146	14688	1.176	ug/l	95
85) n-Butylbenzene	14.060	91	21687	0.969	ug/l	95
87) 1,2-Dichlorobenzene	14.113	146	11085	0.879	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	2430	1.239	ug/l #	82
89) 1,2,4-Trichlorobenzene	15.365	180	11566	2.331	ug/l	99

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QLast Update : Fri Apr 07 13:04:49 2023
Response via : Initial Calibration

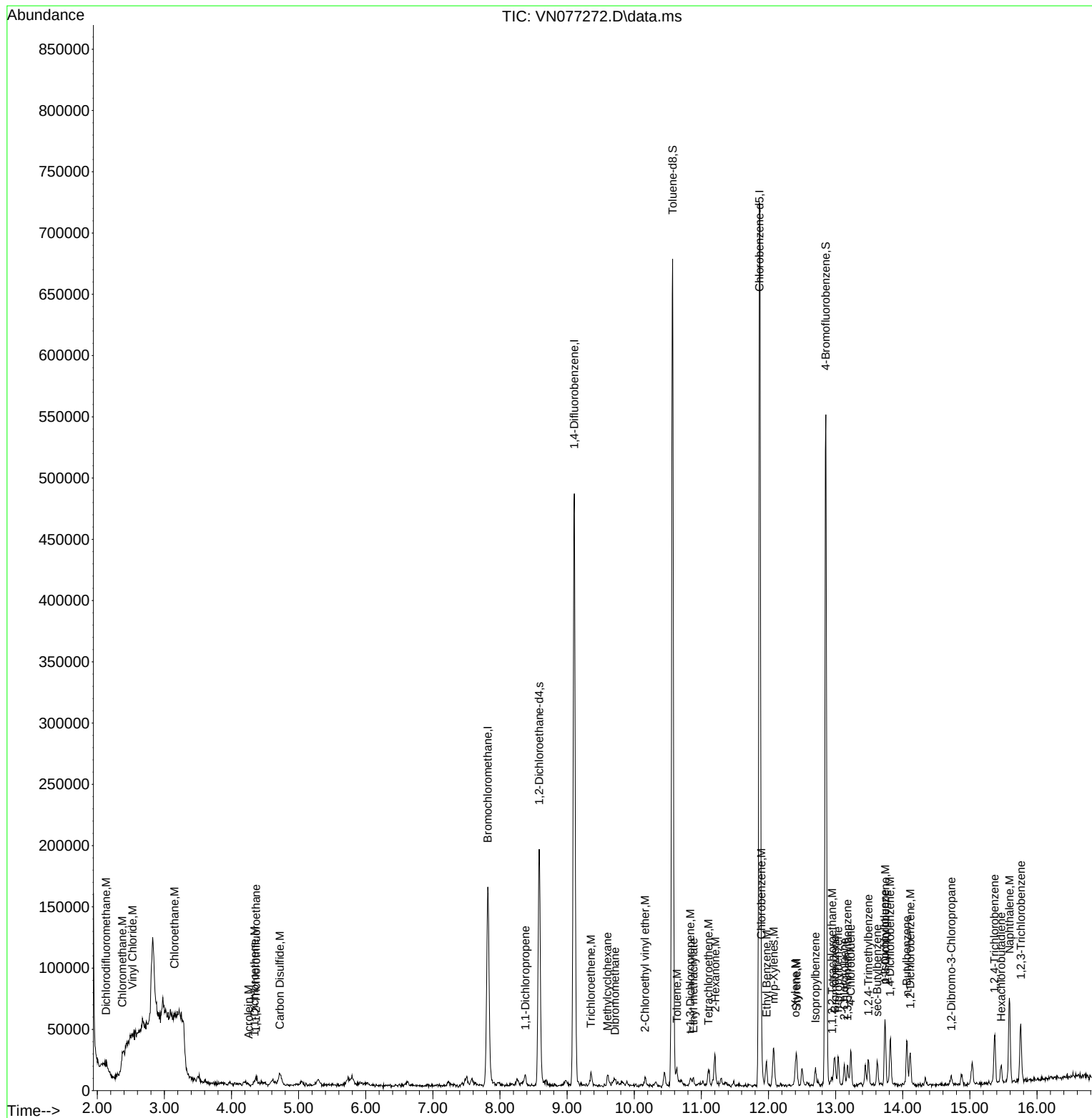
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachlorobutadiene	15.465	225	2020	0.794	ug/l	78
91) Naphthalene	15.589	128	62637	3.304	ug/l	98
92) 1,2,3-Trichlorobenzene	15.760	180	14025	2.897	ug/l	92

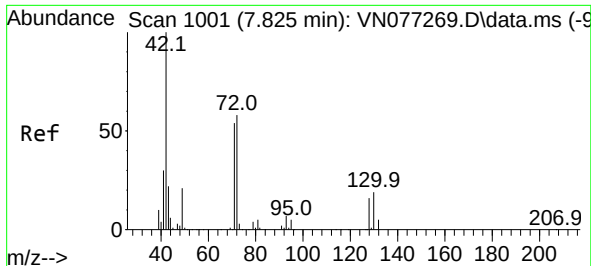
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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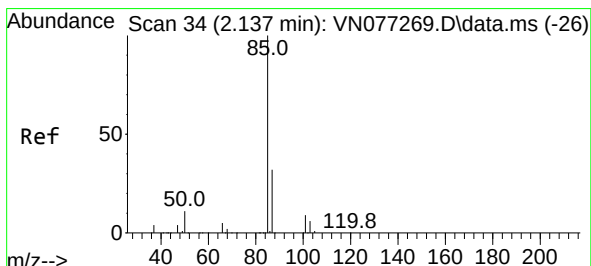
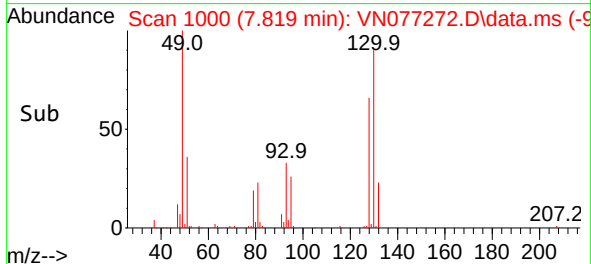
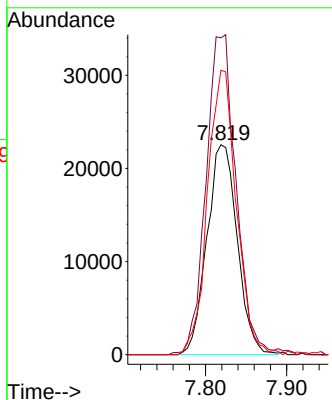
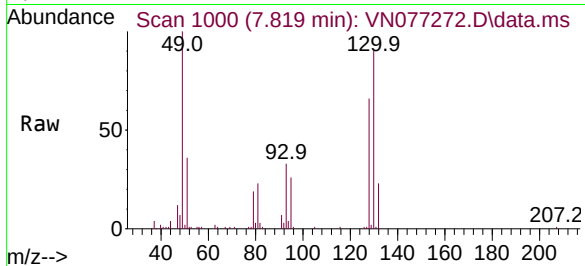




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.819 min Scan# 10
 Delta R.T. -0.006 min
 Lab File: VN077272.D
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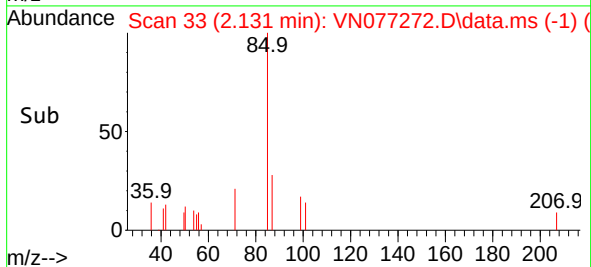
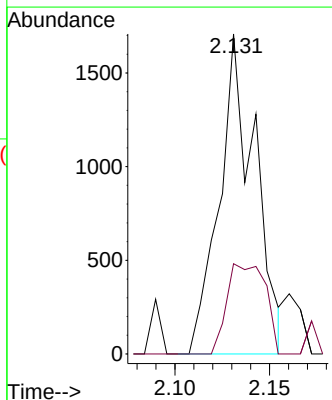
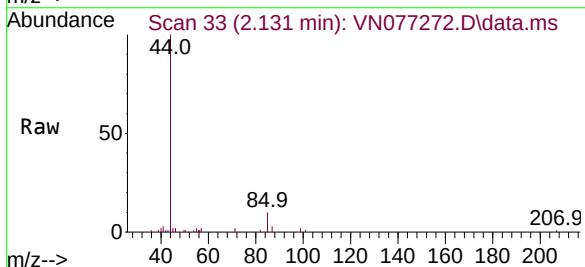
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

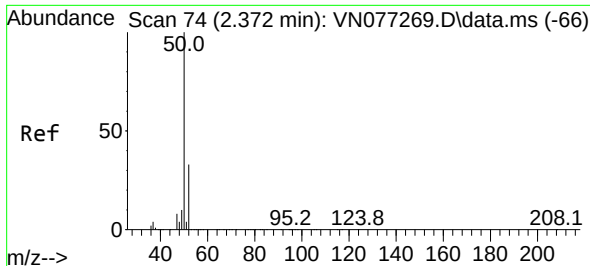
Tgt Ion:128 Resp: 58601
 Ion Ratio Lower Upper
 128 100
 49 147.8 0.0 379.5
 130 128.1 0.0 322.8



#2
 Dichlorodifluoromethane
 Concen: 0.400 ug/l
 RT: 2.131 min Scan# 33
 Delta R.T. -0.006 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

Tgt Ion: 85 Resp: 2231
 Ion Ratio Lower Upper
 85 100
 87 28.2 16.2 48.6

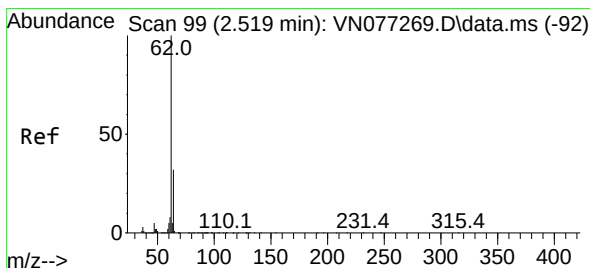
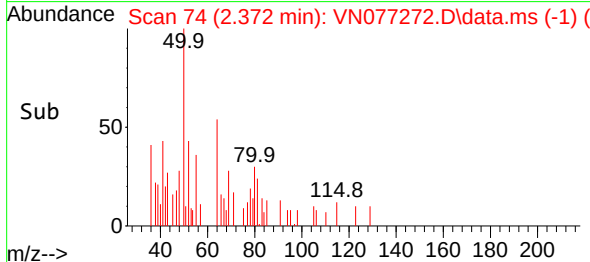
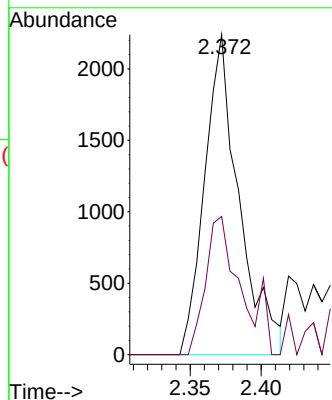
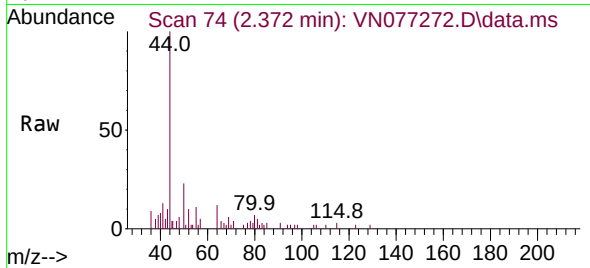




#3
Chloromethane
Concen: 0.513 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

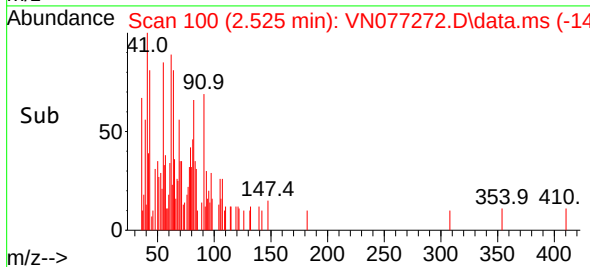
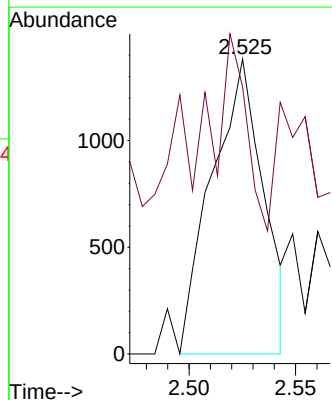
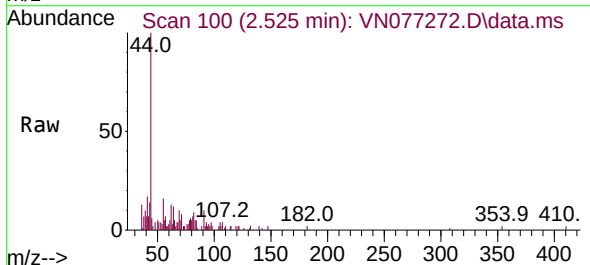
Instrument :
MSVOA_N
ClientSampleId :
IBLK

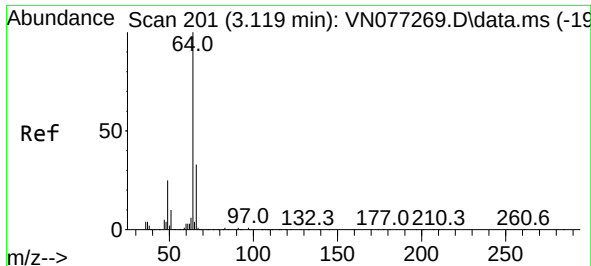
Tgt Ion: 50 Resp: 3797
Ion Ratio Lower Upper
50 100
52 39.2 26.4 39.6



#4
Vinyl Chloride
Concen: 0.219 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 62 Resp: 2319
Ion Ratio Lower Upper
62 100
64 5.2 25.4 38.0#

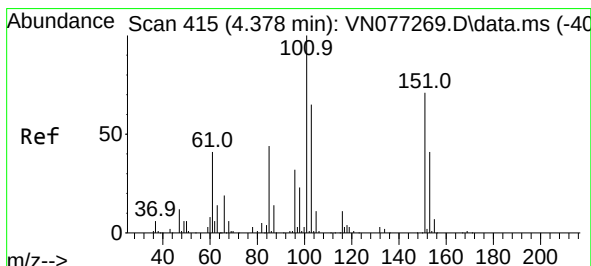
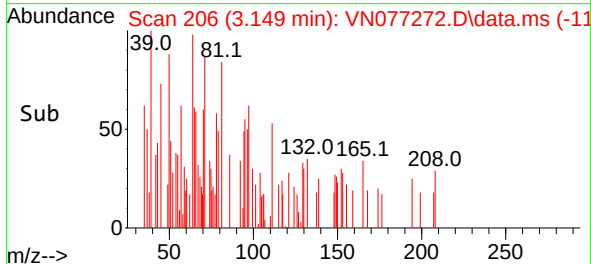
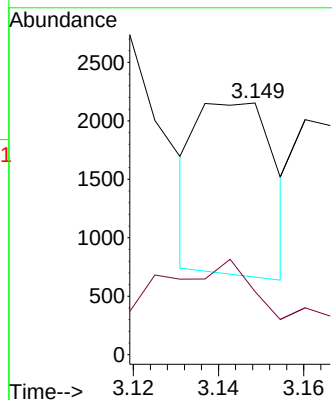
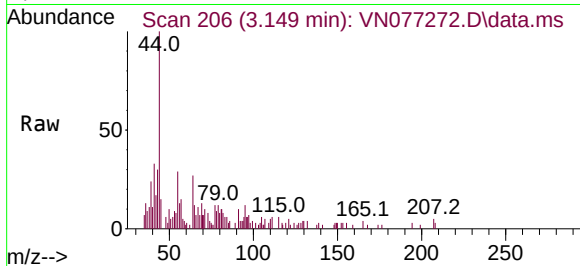




#6
Chloroethane
Concen: 0.258 ug/l
RT: 3.149 min Scan# 201
Delta R.T. 0.029 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

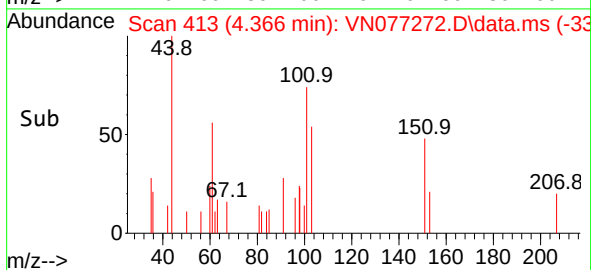
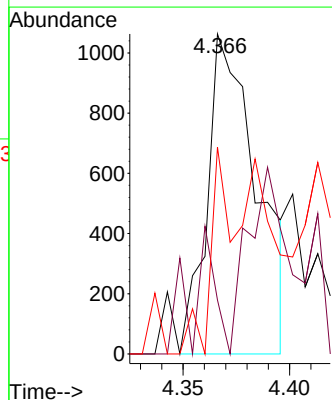
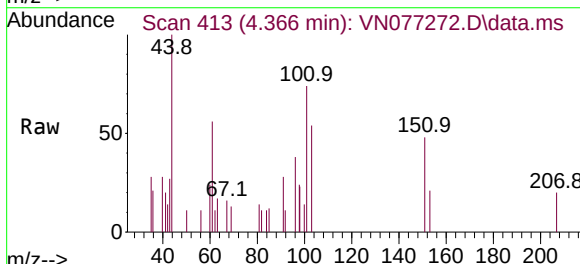
Instrument :
MSVOA_N
ClientSampleId :
IBLK

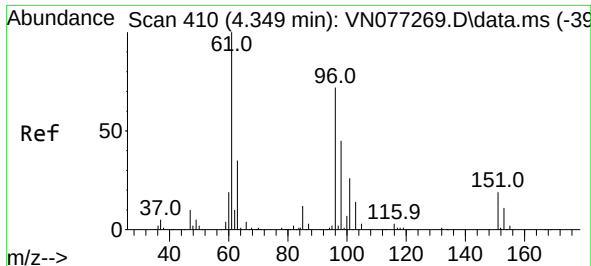
Tgt Ion: 64 Resp: 1834
Ion Ratio Lower Upper
64 100
66 37.5 25.7 38.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.281 ug/l
RT: 4.366 min Scan# 413
Delta R.T. -0.012 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 101 Resp: 1736
Ion Ratio Lower Upper
101 100
85 12.3 0.0 89.6
151 21.5 0.0 141.6

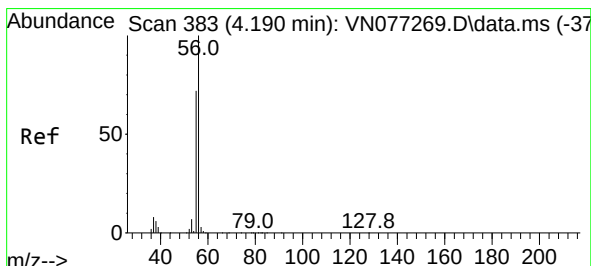
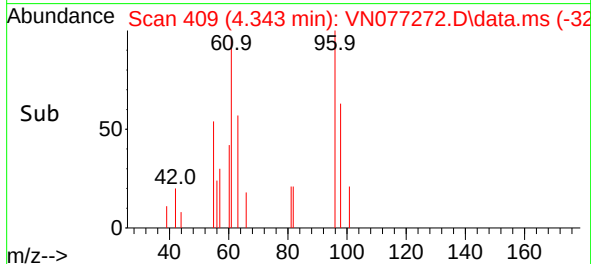
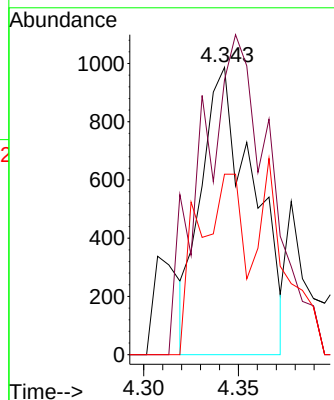
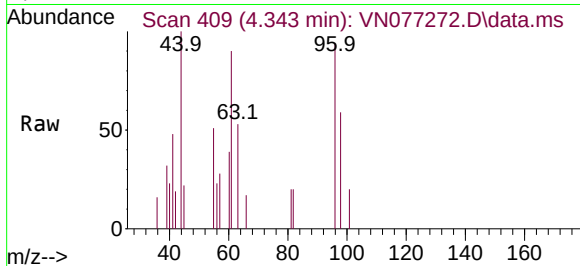




#10
1,1-Dichloroethene
Concen: 0.308 ug/l
RT: 4.343 min Scan# 409
Delta R.T. -0.006 min
Lab File: VN077272.D
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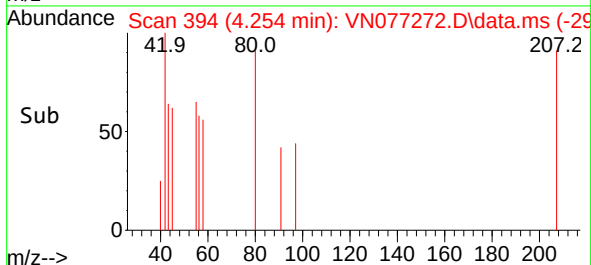
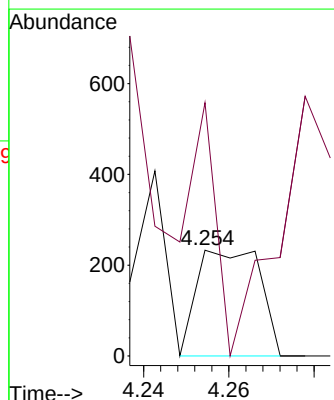
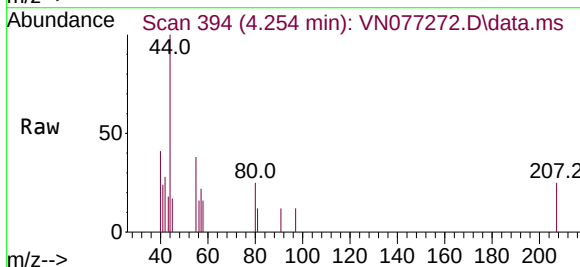
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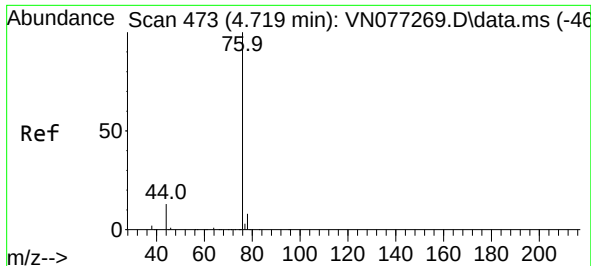
Tgt Ion: 96 Resp: 1901
Ion Ratio Lower Upper
96 100
61 68.8 110.7 166.1#
98 79.4 49.6 74.4#



#13
Acrolein
Concen: 0.210 ug/l
RT: 4.254 min Scan# 394
Delta R.T. 0.065 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 82.1 55.2 82.8

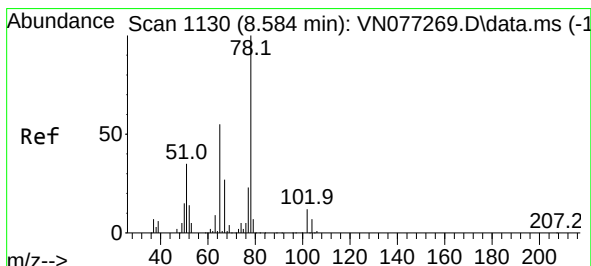
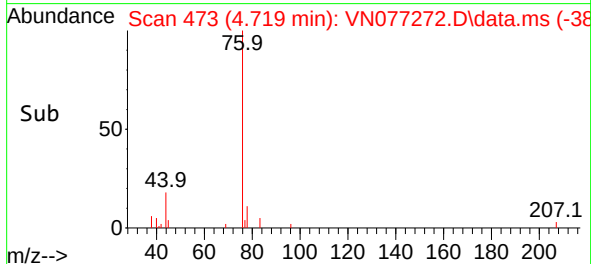
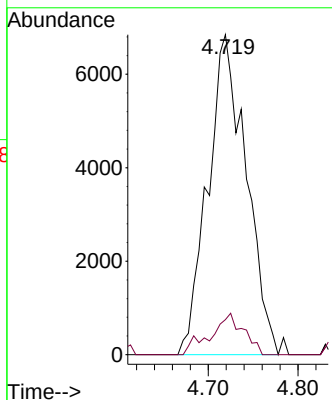
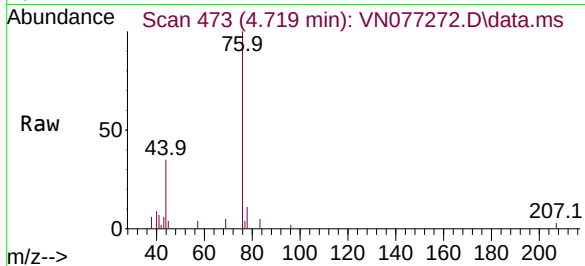




#16
Carbon Disulfide
Concen: 1.244 ug/l
RT: 4.719 min Scan# 41
Delta R.T. -0.000 min
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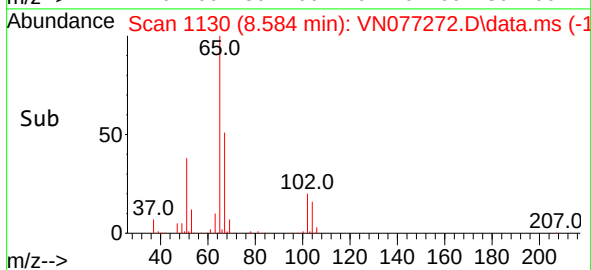
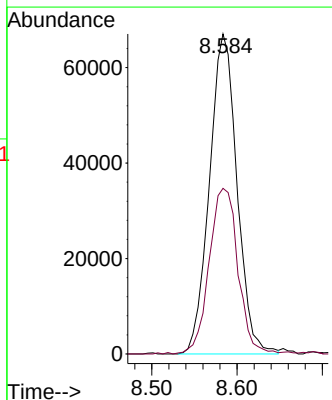
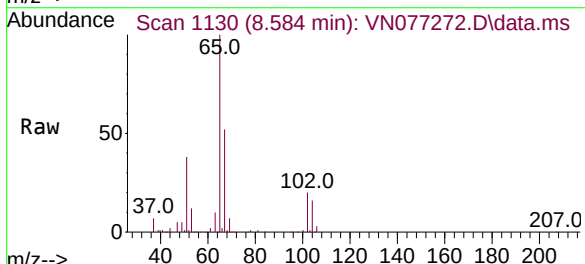
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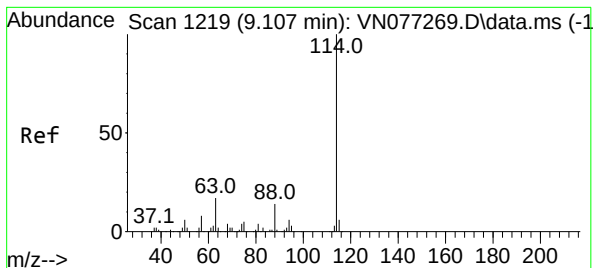
Tgt Ion: 76 Resp: 20281
Ion Ratio Lower Upper
76 100
78 11.0 6.3 9.5#



#27
1,2-Dichloroethane-d4
Concen: 30.318 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
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Tgt Ion: 65 Resp: 150680
Ion Ratio Lower Upper
65 100
67 54.0 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

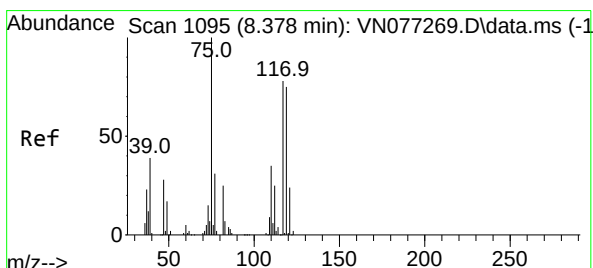
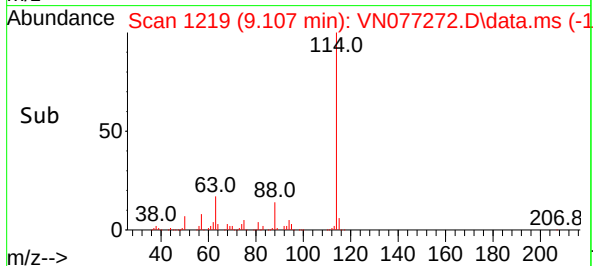
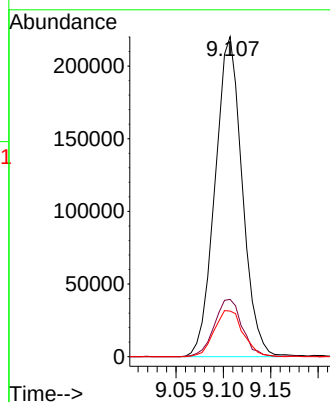
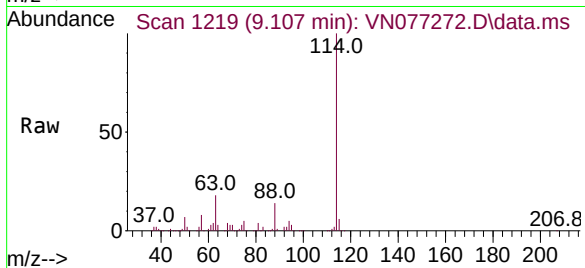
Tgt Ion:114 Resp: 439005

Ion Ratio Lower Upper

114 100

63 18.4 15.0 22.4

88 15.4 11.9 17.9



#29

1,1-Dichloropropene

Concen: 0.398 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

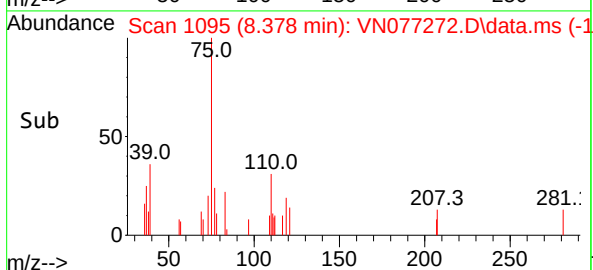
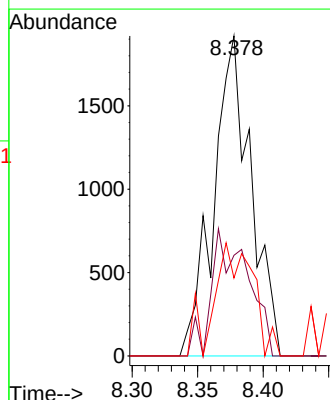
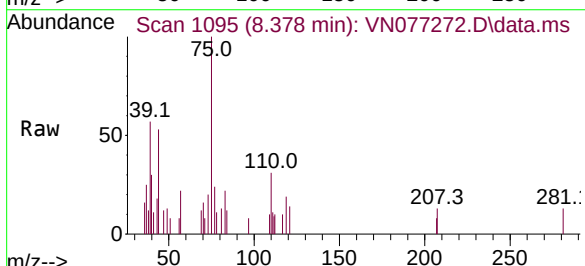
Tgt Ion: 75 Resp: 3789

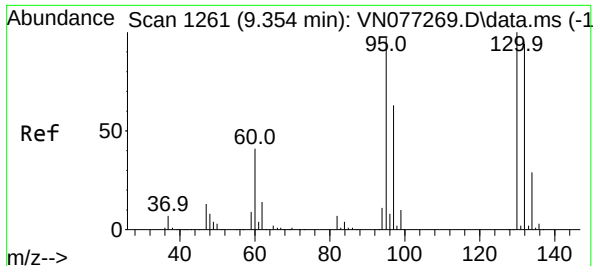
Ion Ratio Lower Upper

75 100

110 21.6 0.0 72.4

77 15.0 0.0 61.4





#37

Trichloroethene

Concen: 0.454 ug/l

RT: 9.354 min Scan# 1

Delta R.T. -0.000 min

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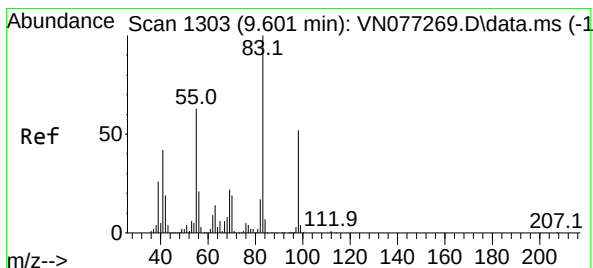
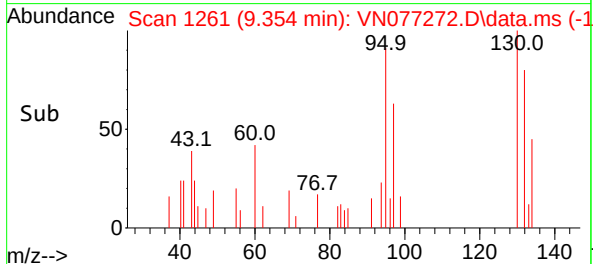
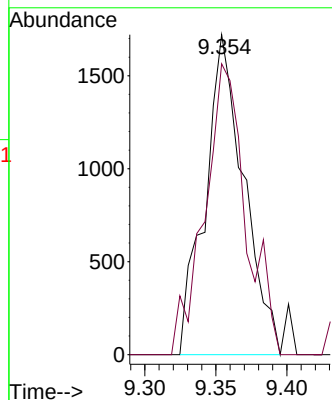
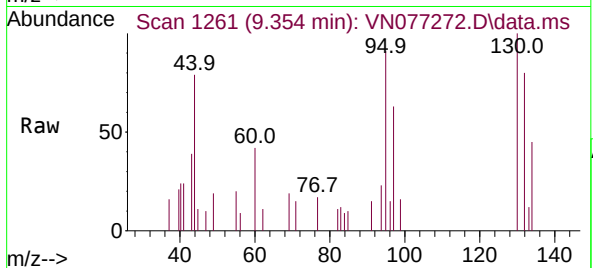
IBLK

Tgt Ion:130 Resp: 3269

Ion Ratio Lower Upper

130 100

95 90.9 77.5 116.3



#38

Methylcyclohexane

Concen: 0.295 ug/l

RT: 9.601 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

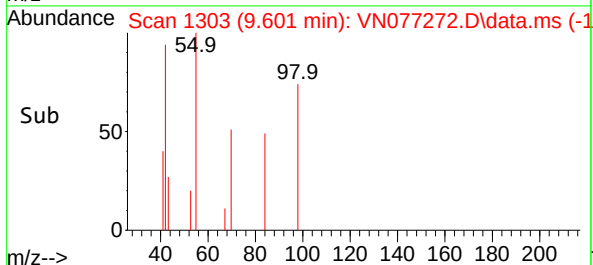
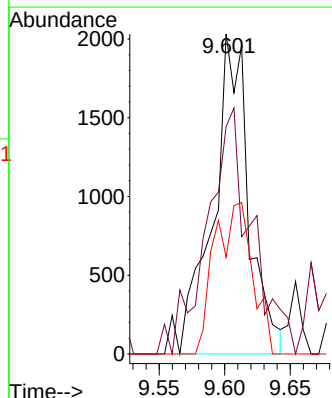
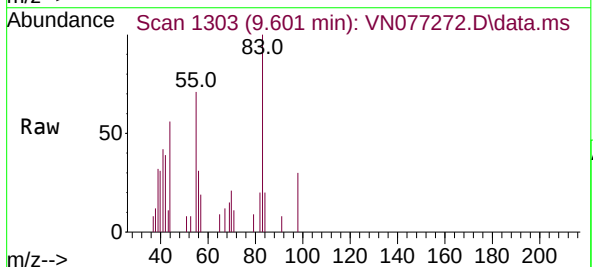
Tgt Ion: 83 Resp: 3807

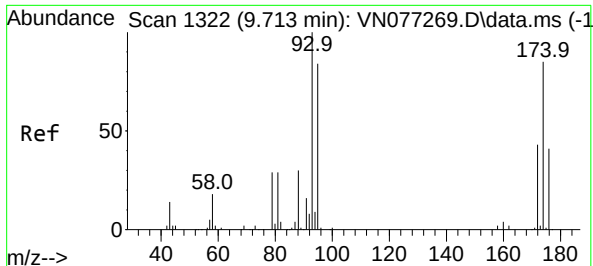
Ion Ratio Lower Upper

83 100

55 56.3 32.0 96.2

98 29.7 25.3 75.9





#40

Dibromomethane

Concen: 0.419 ug/l

RT: 9.713 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

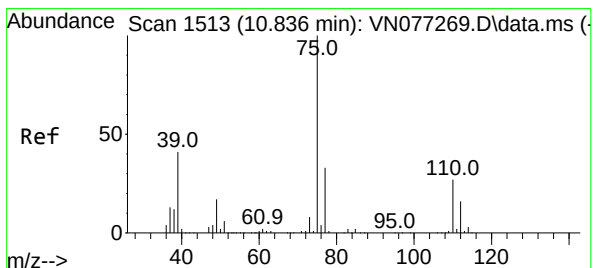
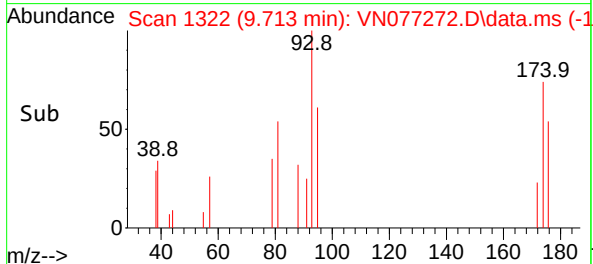
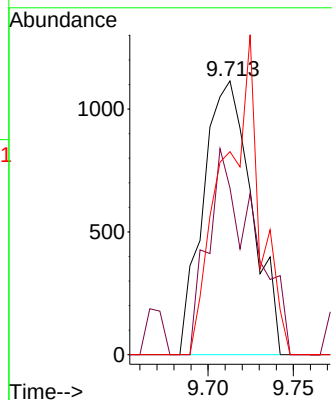
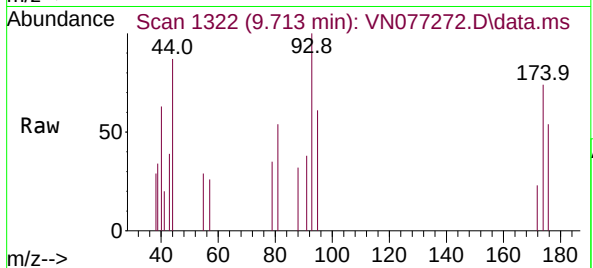
Tgt Ion: 93 Resp: 2203

Ion Ratio Lower Upper

93 100

95 44.7 0.0 166.4

174 50.8 0.0 164.8



#48

t-1,3-Dichloropropene

Concen: 0.297 ug/l

RT: 10.836 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VN077272.D

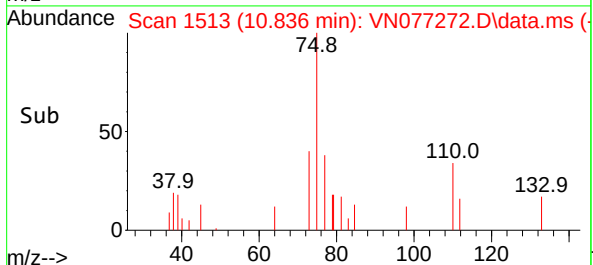
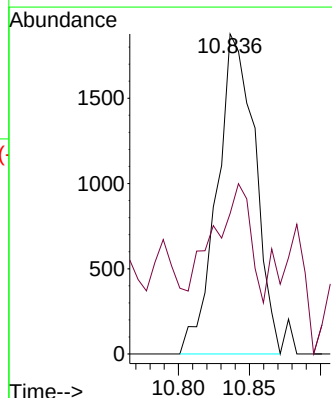
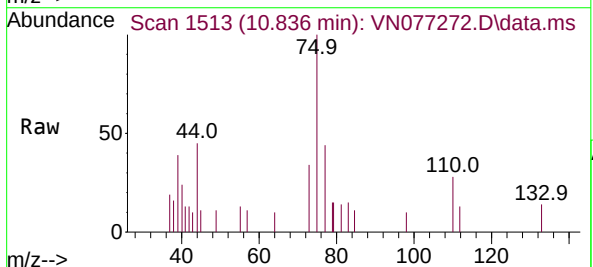
Acq: 07 Apr 2023 11:35

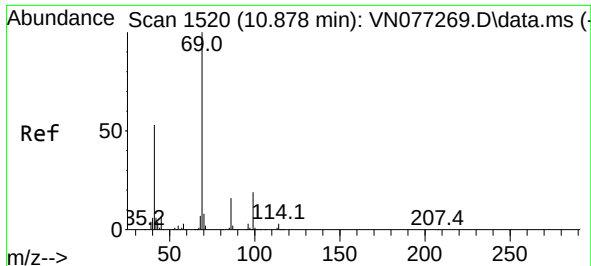
Tgt Ion: 75 Resp: 3492

Ion Ratio Lower Upper

75 100

77 23.3 26.5 39.7#

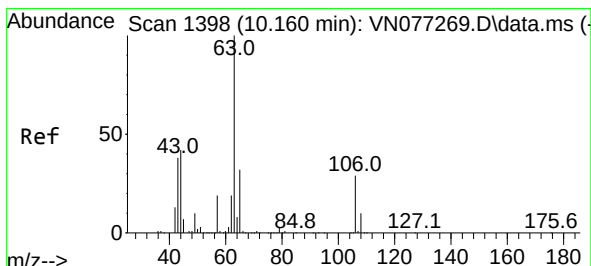
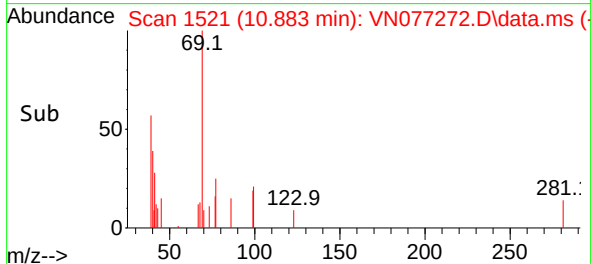
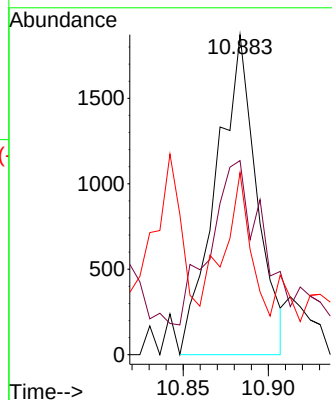
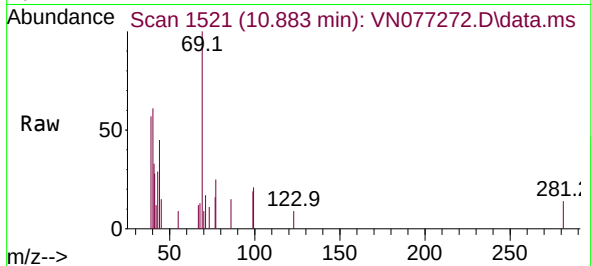




#51
Ethyl methacrylate
Concen: 0.264 ug/l
RT: 10.883 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

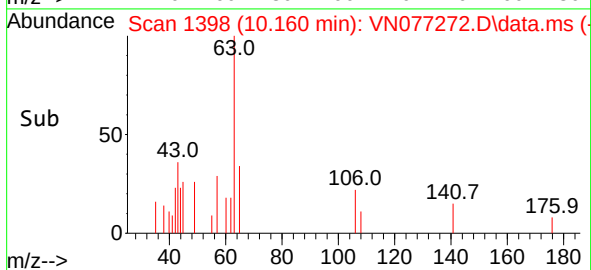
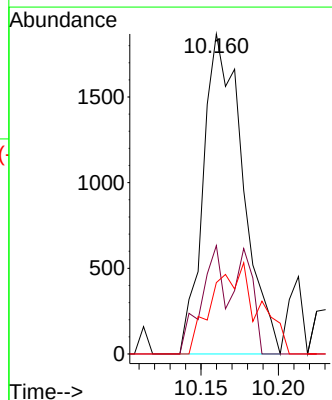
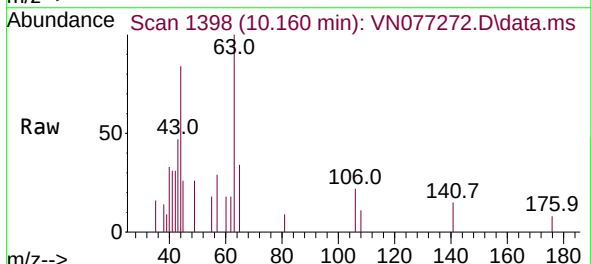
Instrument :
MSVOA_N
ClientSampleId :
IBLK

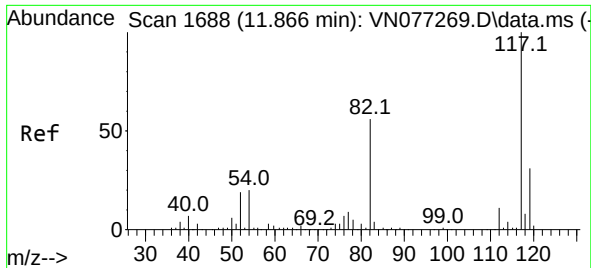
Tgt Ion: 69 Resp: 3103
Ion Ratio Lower Upper
69 100
41 51.3 26.7 80.0
39 32.1 17.0 50.9



#55
2-Chloroethyl vinyl ether
Concen: 0.914 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 63 Resp: 3313
Ion Ratio Lower Upper
63 100
65 19.2 25.7 38.5#
106 17.9 24.0 36.0#

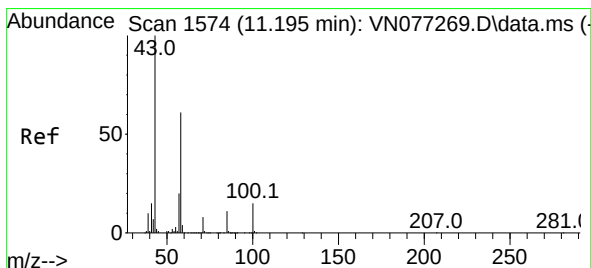
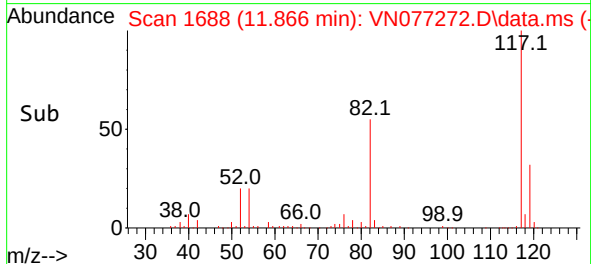
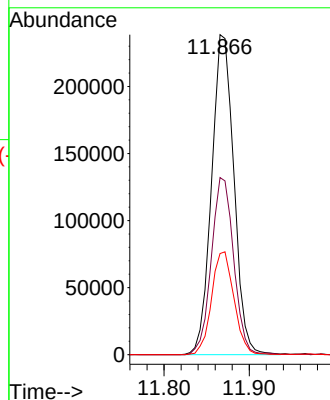
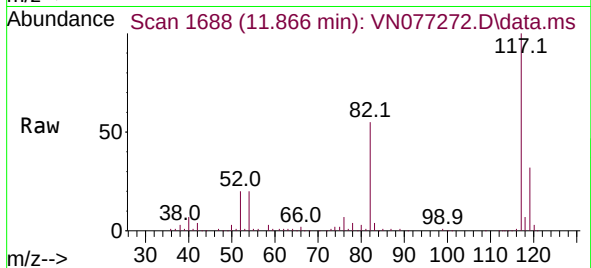




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

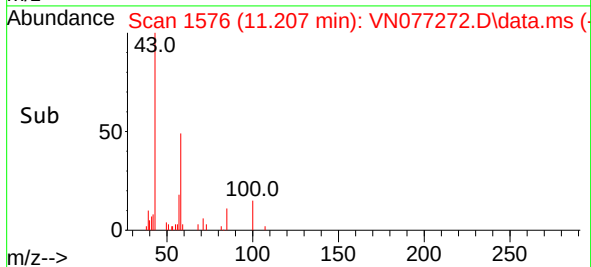
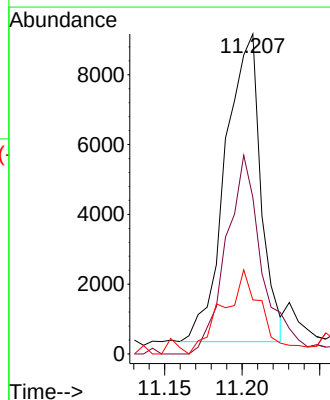
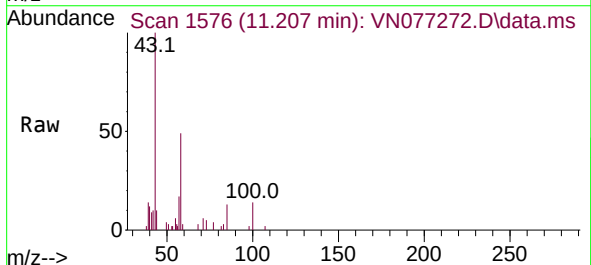
Instrument :
MSVOA_N
ClientSampleId :
IBLK

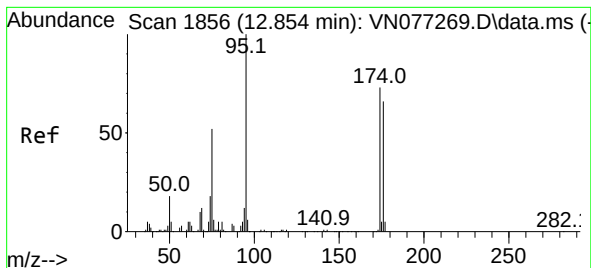
Tgt Ion:117 Resp: 434463
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.3 25.4 38.0



#59
2-Hexanone
Concen: 2.235 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 43 Resp: 14054
Ion Ratio Lower Upper
43 100
58 65.4 48.6 73.0
57 21.0 16.7 25.1

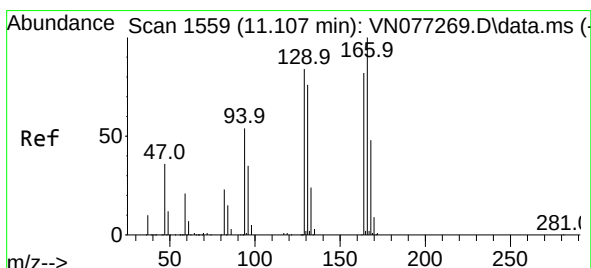
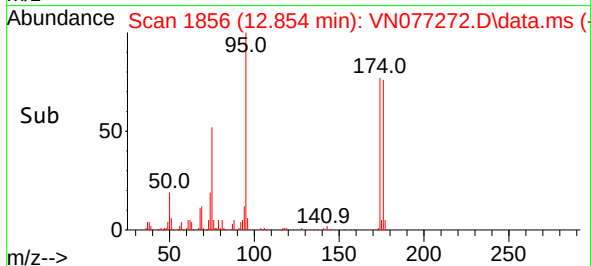
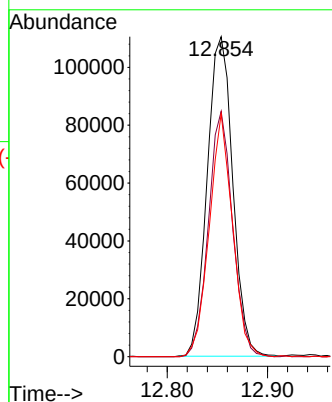
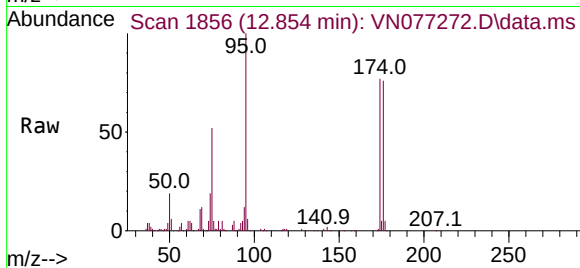




#60
4-Bromofluorobenzene
Concen: 26.079 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

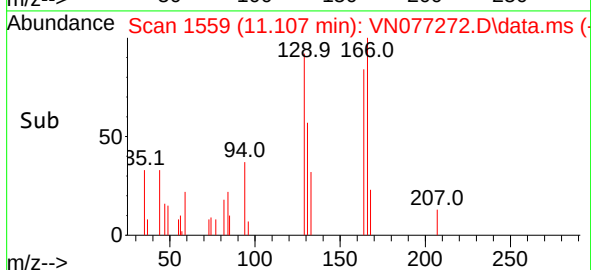
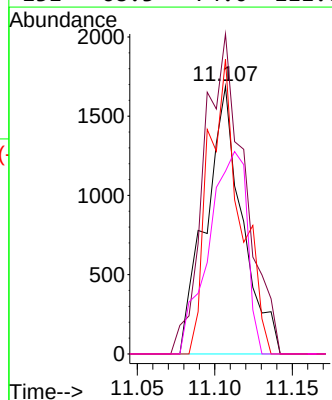
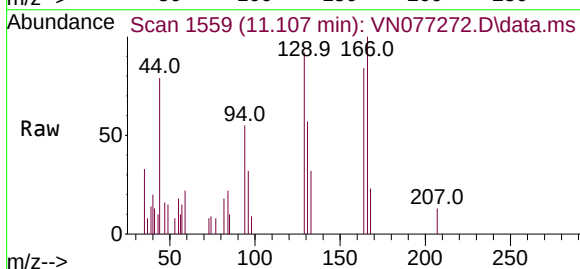
Instrument :
MSVOA_N
ClientSampleId :
IBLK

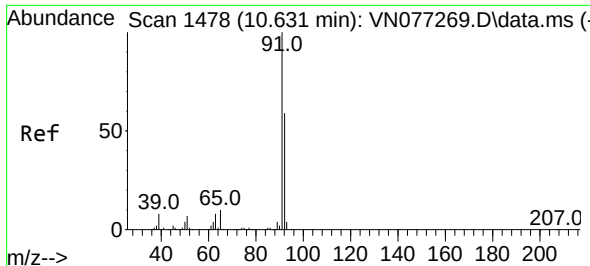
Tgt Ion: 95 Resp: 195917
Ion Ratio Lower Upper
95 100
174 72.7 57.8 86.8
176 69.0 54.6 81.8



#61
Tetrachloroethene
Concen: 0.532 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion:164 Resp: 2751
Ion Ratio Lower Upper
164 100
166 119.6 97.9 146.9
129 110.2 82.5 123.7
131 68.3 74.0 111.0#

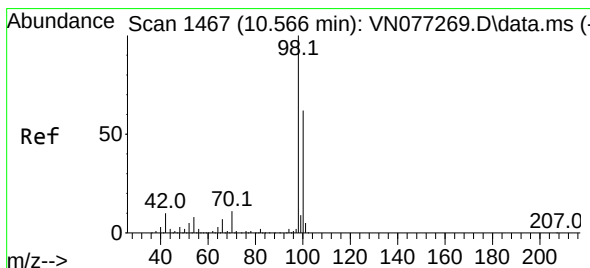
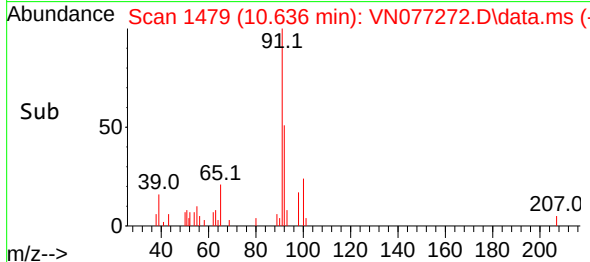
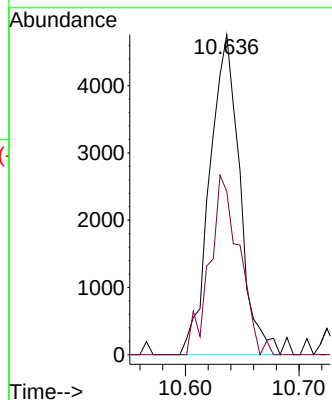
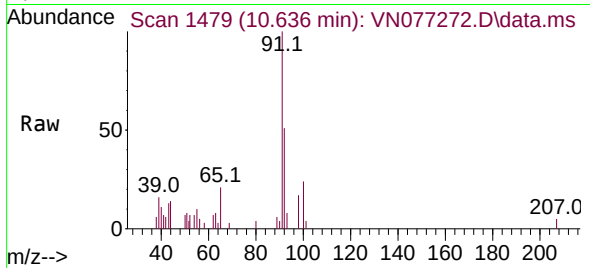




#62
Toluene
Concen: 0.288 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

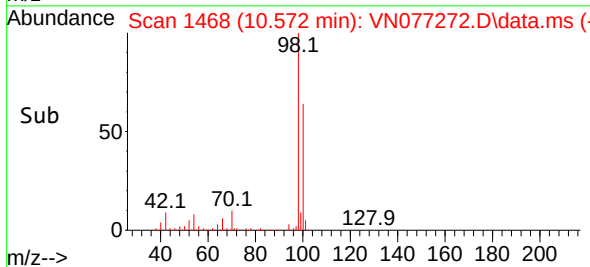
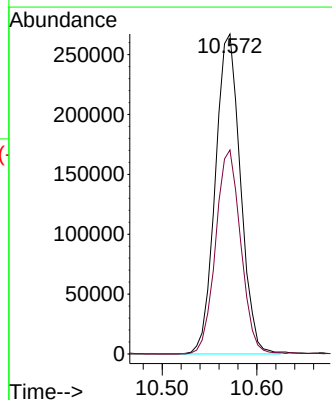
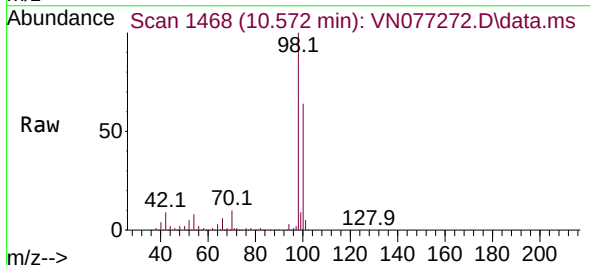
Instrument :
MSVOA_N
ClientSampleId :
IBLK

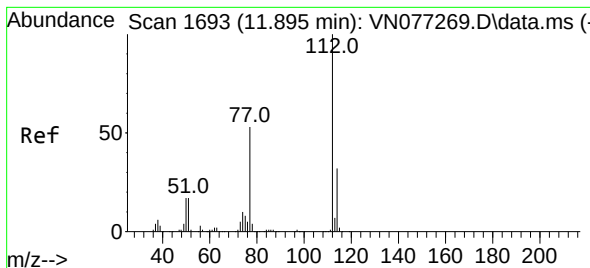
Tgt Ion: 91 Resp: 8740
Ion Ratio Lower Upper
91 100
92 54.6 46.6 70.0



#63
Toluene-d8
Concen: 32.262 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 98 Resp: 492758
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2





#64

Chlorobenzene

Concen: 0.491 ug/l

RT: 11.895 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

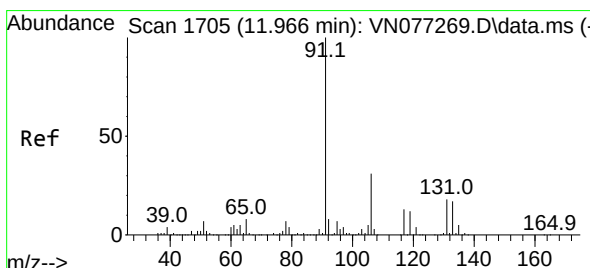
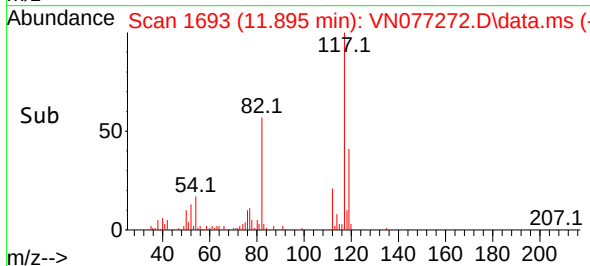
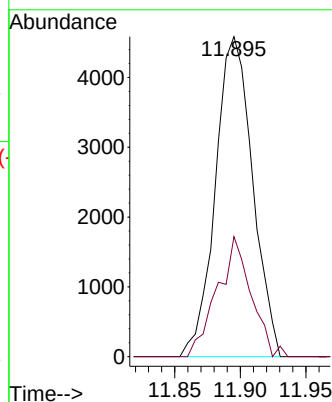
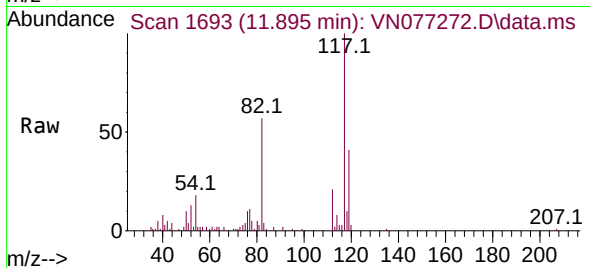
IBLK

Tgt Ion:112 Resp: 9036

Ion Ratio Lower Upper

112 100

114 37.5 25.6 38.4



#66

Ethyl Benzene

Concen: 0.369 ug/l

RT: 11.972 min Scan# 1706

Delta R.T. 0.006 min

Lab File: VN077272.D

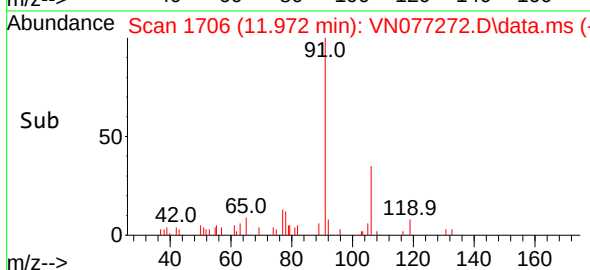
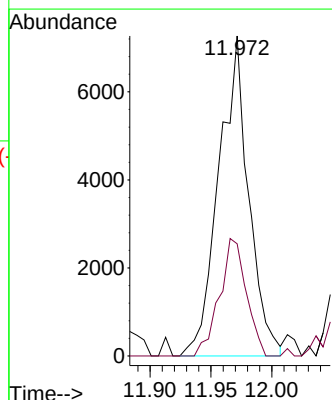
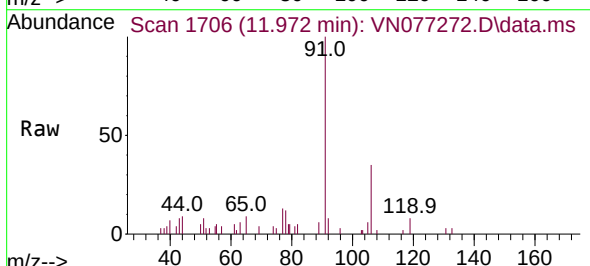
Acq: 07 Apr 2023 11:35

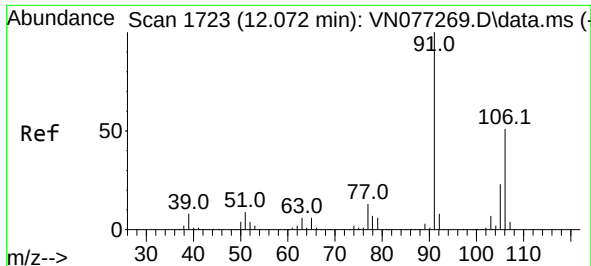
Tgt Ion: 91 Resp: 12406

Ion Ratio Lower Upper

91 100

106 35.0 25.0 37.6





#67

m/p-Xylenes

Concen: 0.765 ug/l

RT: 12.077 min Scan# 1723

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

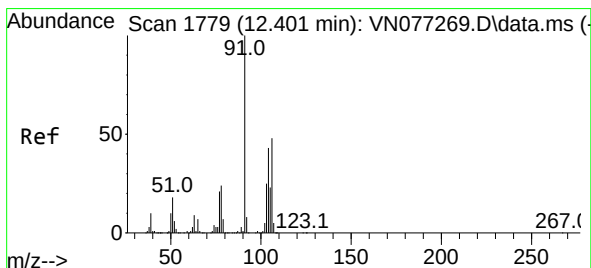
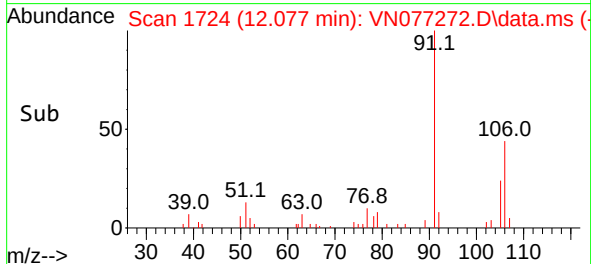
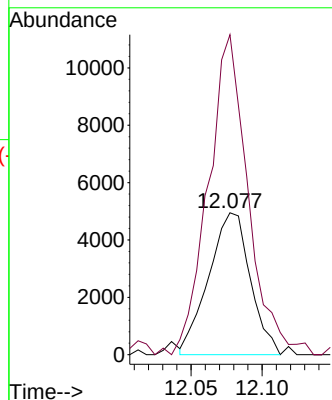
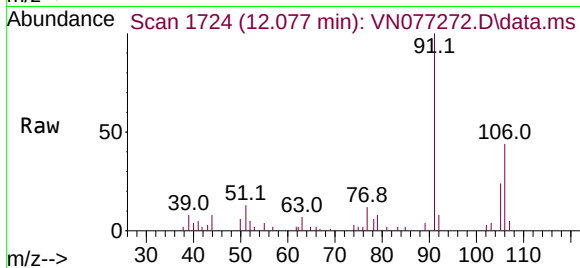
IBLK

Tgt Ion:106 Resp: 10070

Ion Ratio Lower Upper

106 100

91 213.5 158.0 237.0



#68

o-Xylene

Concen: 0.251 ug/l

RT: 12.401 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN077272.D

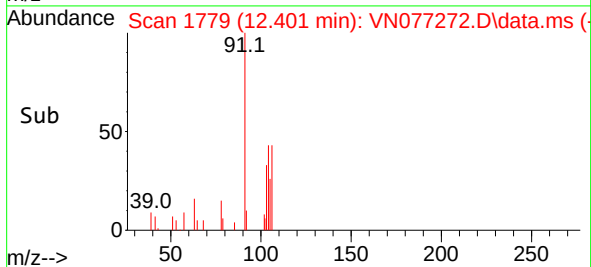
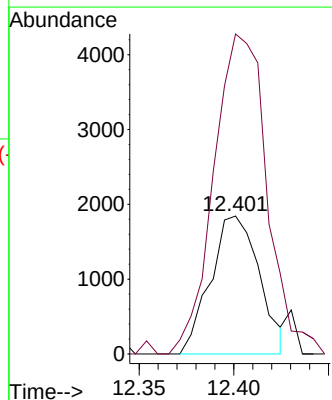
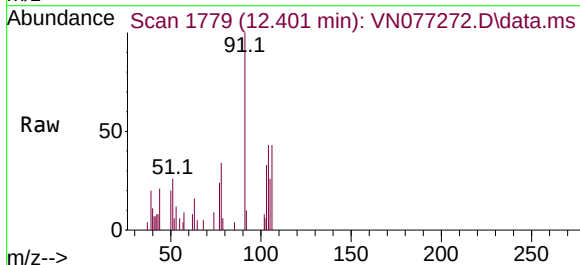
Acq: 07 Apr 2023 11:35

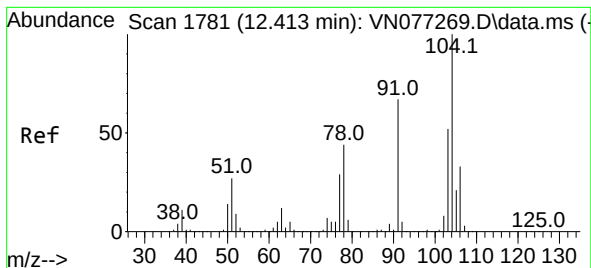
Tgt Ion:106 Resp: 3309

Ion Ratio Lower Upper

106 100

91 250.2 103.6 310.8





#69

Styrene

Concen: 0.464 ug/l

RT: 12.419 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

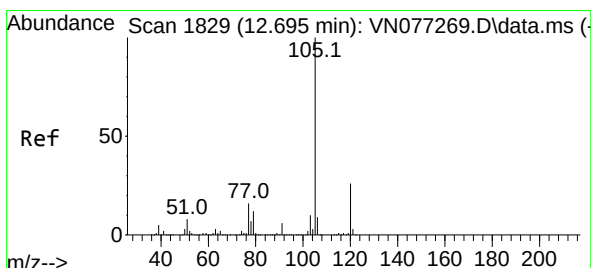
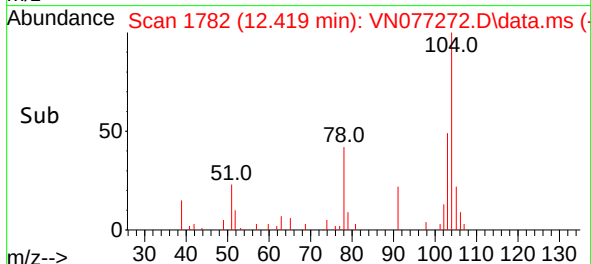
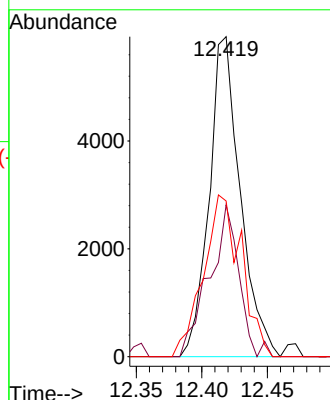
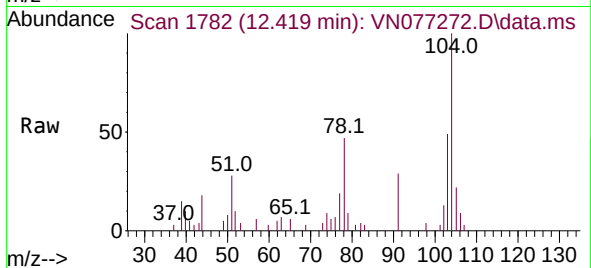
Tgt Ion:104 Resp: 9785

Ion Ratio Lower Upper

104 100

78 44.5 38.2 57.4

103 61.8 43.6 65.4



#70

Isopropylbenzene

Concen: 0.265 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. 0.006 min

Lab File: VN077272.D

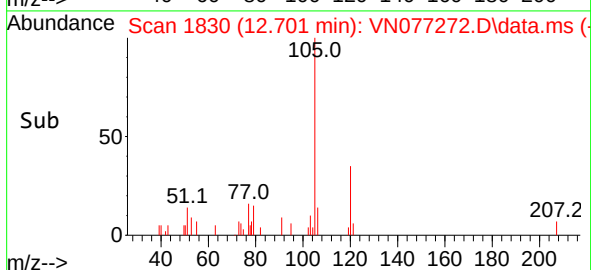
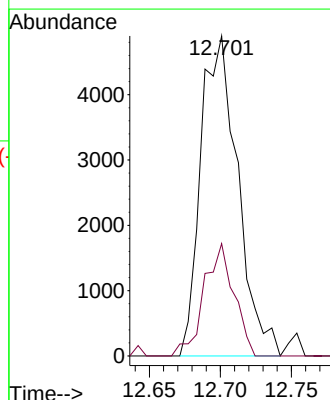
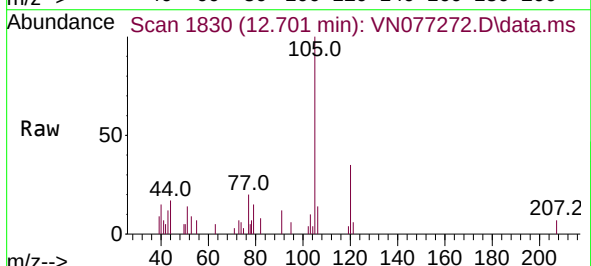
Acq: 07 Apr 2023 11:35

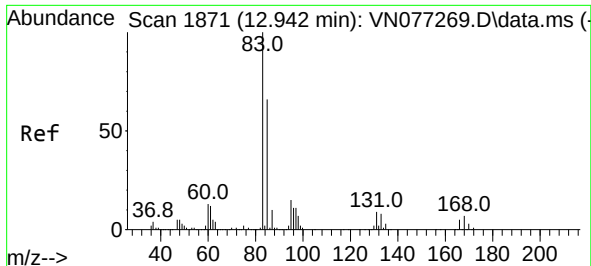
Tgt Ion:105 Resp: 8863

Ion Ratio Lower Upper

105 100

120 27.0 18.3 34.1

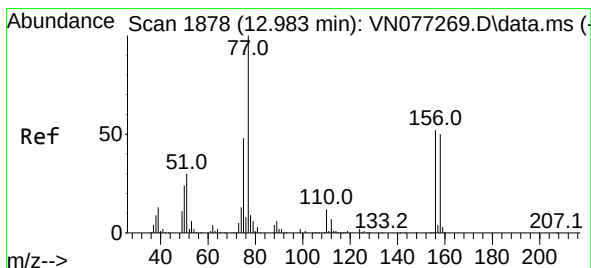
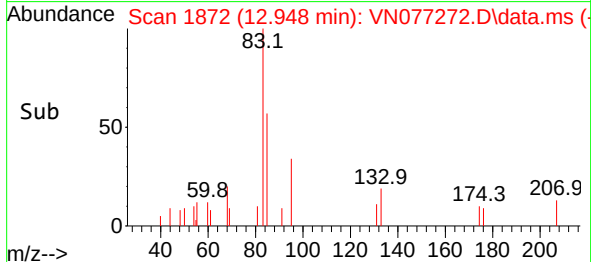
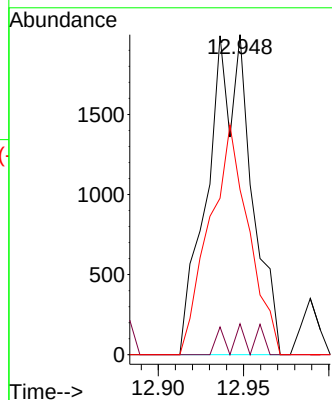
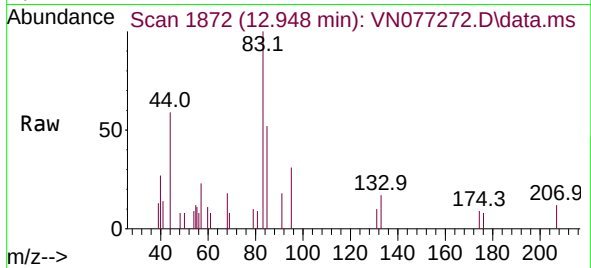




#71
1,1,2,2-Tetrachloroethane
Concen: 0.343 ug/l
RT: 12.948 min Scan# 1871
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

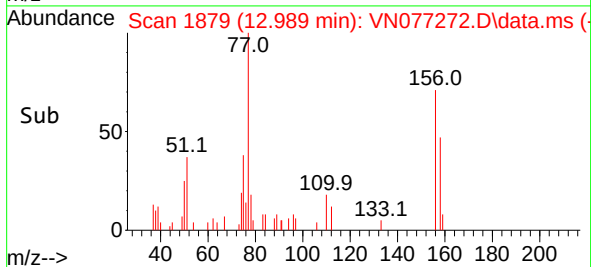
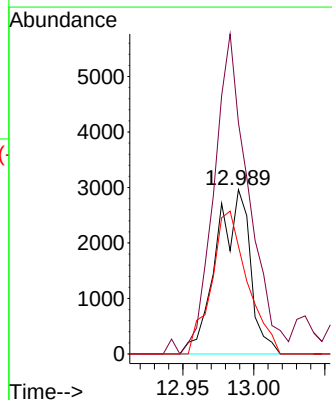
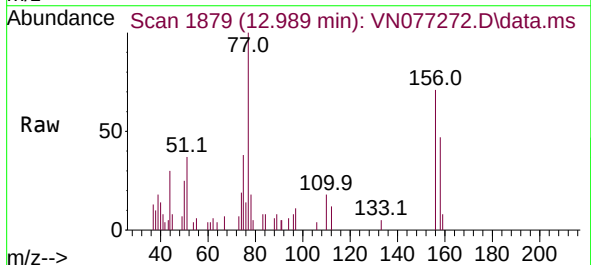
Instrument :
MSVOA_N
ClientSampleId :
IBLK

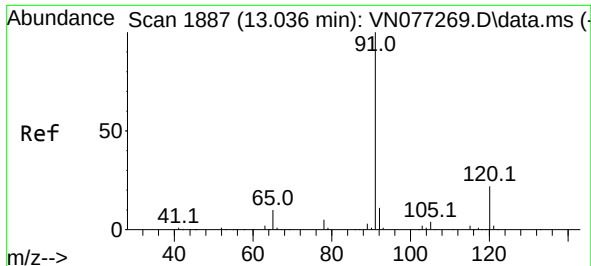
Tgt Ion: 83 Resp: 3511
Ion Ratio Lower Upper
83 100
131 1.9 4.7 14.0#
85 0.0 32.3 96.8#



#73
Bromobenzene
Concen: 0.724 ug/l
RT: 12.989 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 156 Resp: 4913
Ion Ratio Lower Upper
156 100
77 197.8 0.0 456.6
158 91.9 0.0 195.6

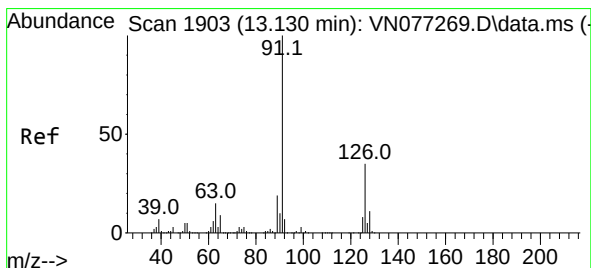
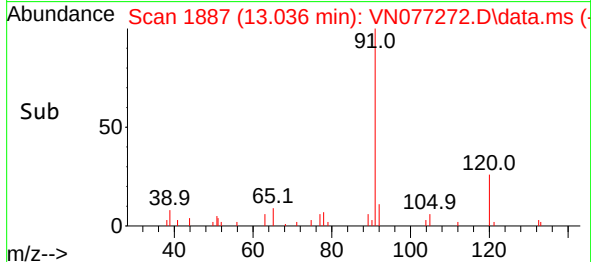
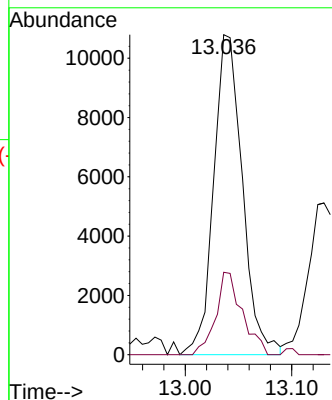
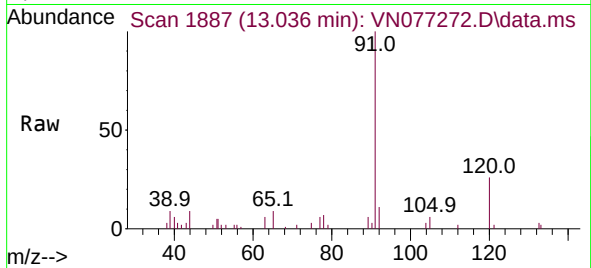




#74
n-propylbenzene
Concen: 0.546 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

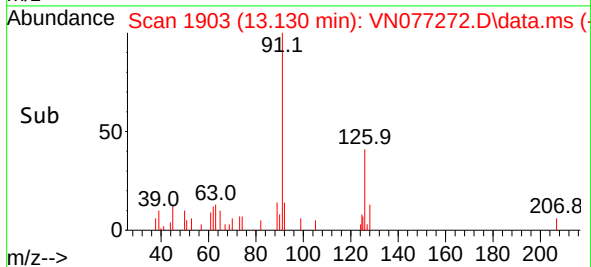
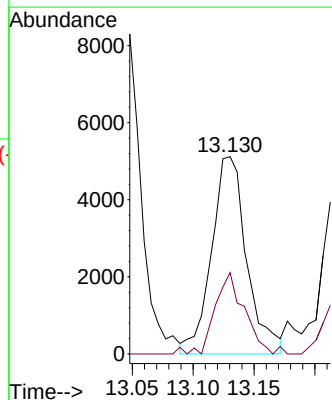
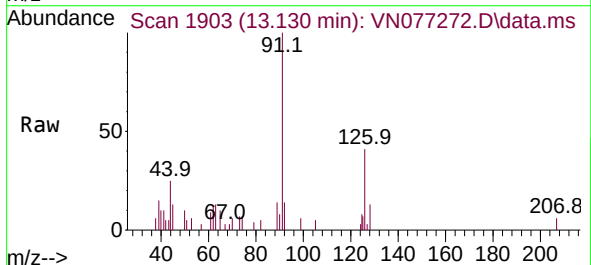
Instrument :
MSVOA_N
ClientSampleId :
IBLK

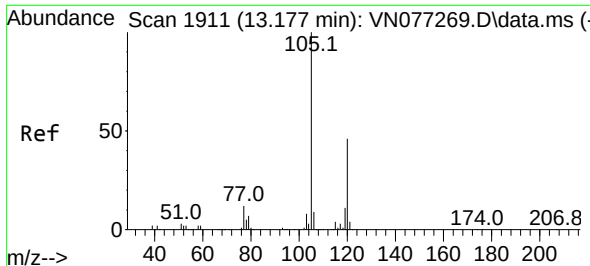
Tgt Ion: 91 Resp: 20180
Ion Ratio Lower Upper
91 100
120 23.7 0.0 45.6



#75
2-Chlorotoluene
Concen: 0.464 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 91 Resp: 10287
Ion Ratio Lower Upper
91 100
126 33.0 0.0 67.0

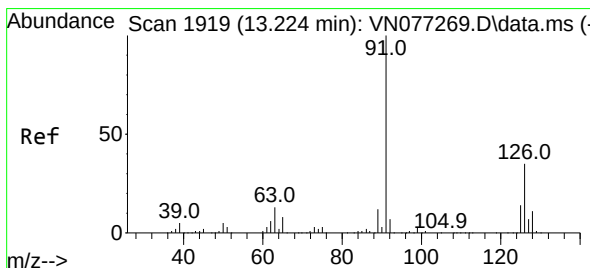
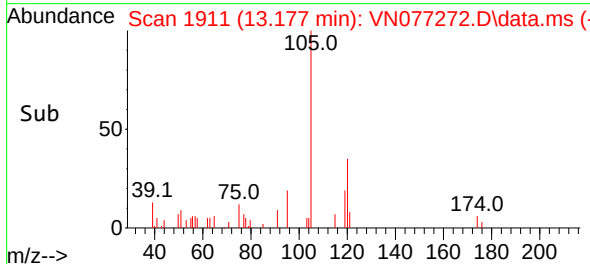
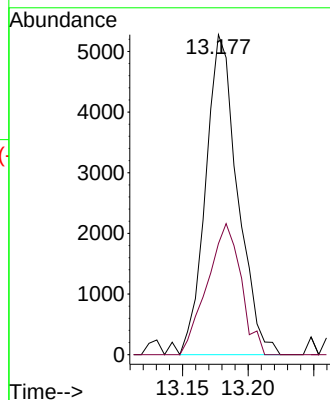
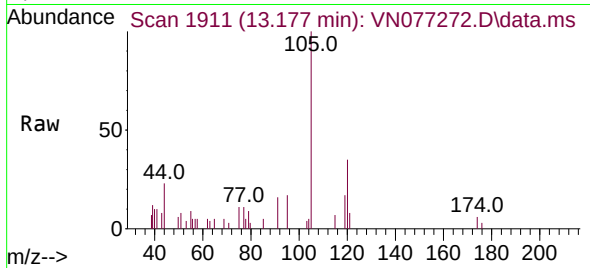




#76
1,3,5-Trimethylbenzene
Concen: 0.329 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

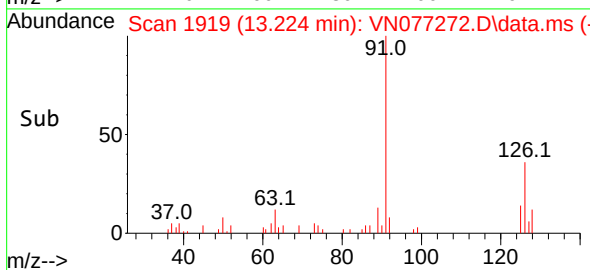
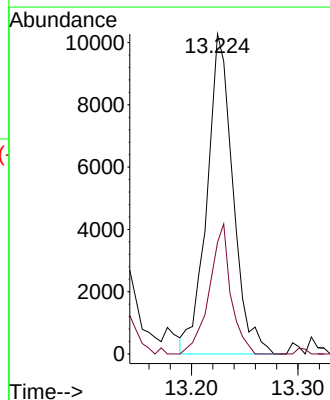
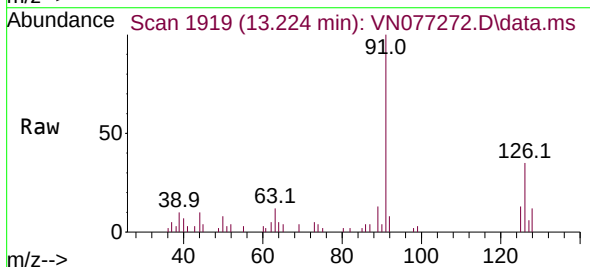
Instrument :
MSVOA_N
ClientSampleId :
IBLK

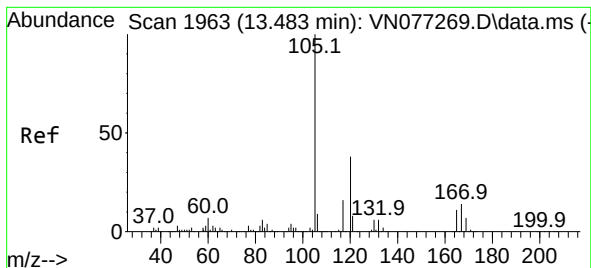
Tgt Ion:105 Resp: 8937
Ion Ratio Lower Upper
105 100
120 43.2 0.0 94.4



#78
4-Chlorotoluene
Concen: 0.835 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 91 Resp: 17468
Ion Ratio Lower Upper
91 100
126 33.5 0.0 67.4





#80

1,2,4-Trimethylbenzene

Concen: 0.351 ug/l

RT: 13.489 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

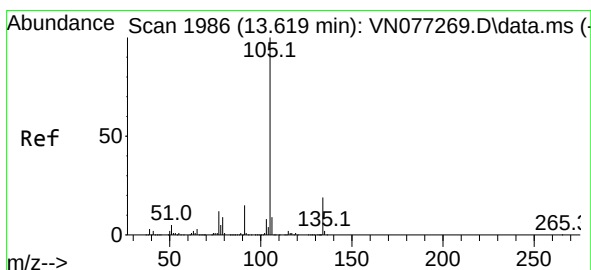
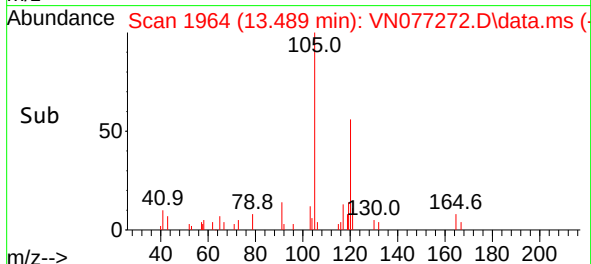
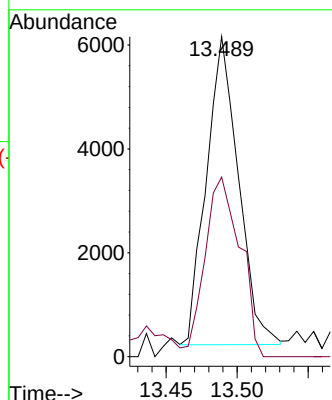
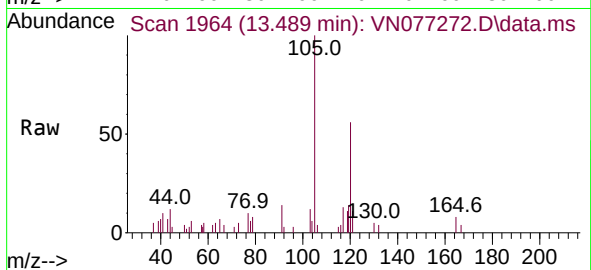
IBLK

Tgt Ion:105 Resp: 9320

Ion Ratio Lower Upper

105 100

120 64.1 0.0 91.0



#81

sec-Butylbenzene

Concen: 0.402 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN077272.D

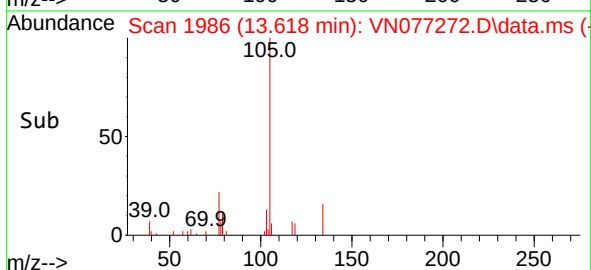
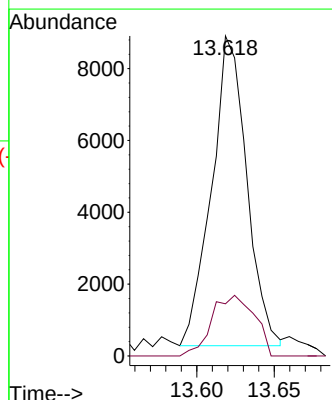
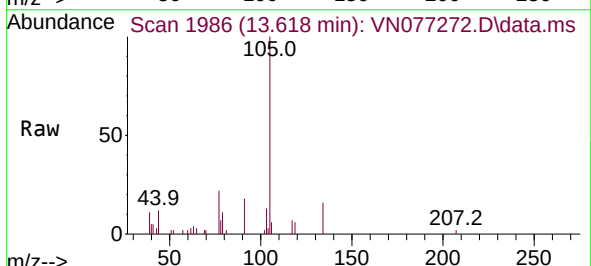
Acq: 07 Apr 2023 11:35

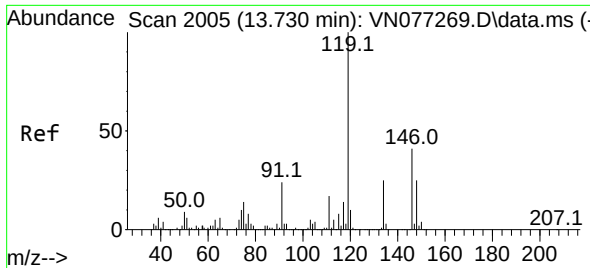
Tgt Ion:105 Resp: 13594

Ion Ratio Lower Upper

105 100

134 23.8 0.0 38.6

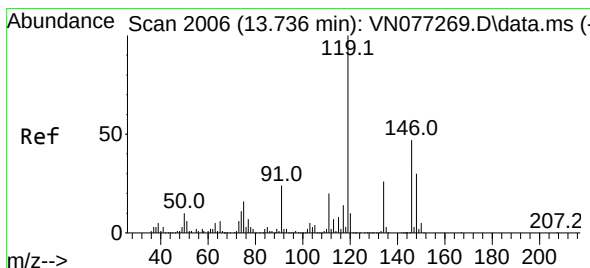
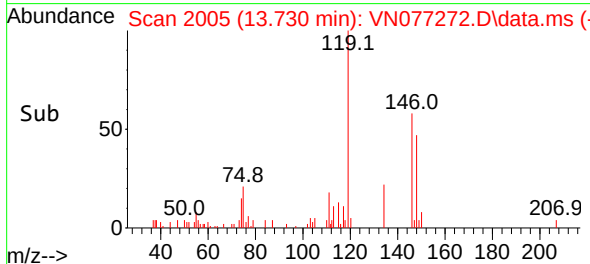
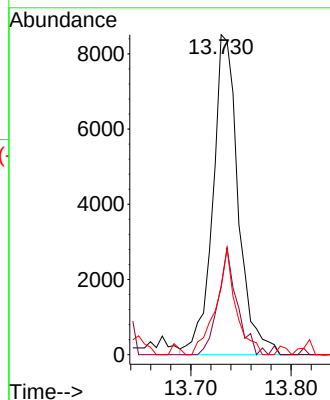
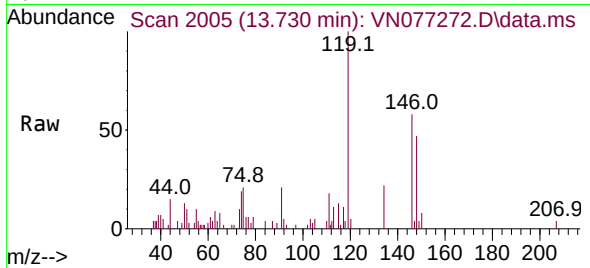




#82
p-Isopropyltoluene
Concen: 0.553 ug/l
RT: 13.730 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

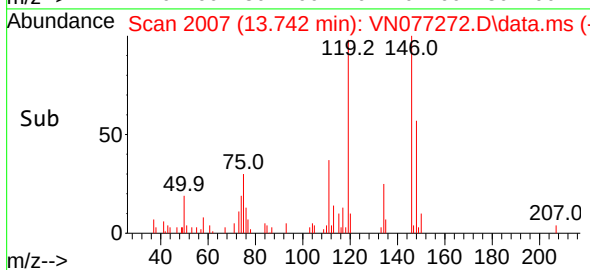
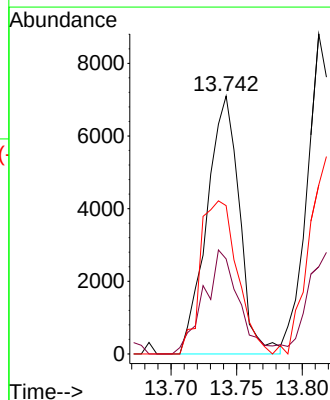
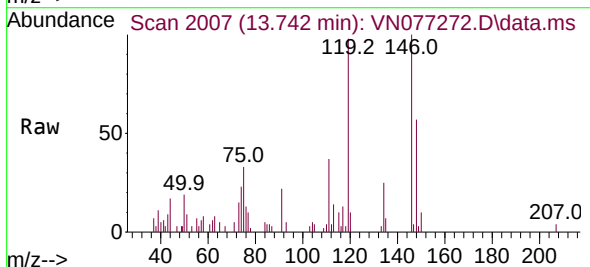
Instrument :
MSVOA_N
ClientSampleId :
IBLK

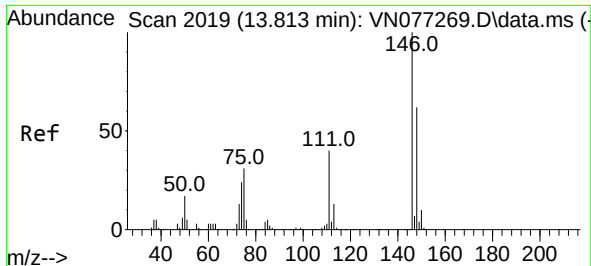
Tgt Ion:	119	Resp:	14988
Ion	Ratio	Lower	Upper
119	100		
134	24.5	0.0	51.0
91	26.0	0.0	48.0



#83
1,3-Dichlorobenzene
Concen: 0.954 ug/l
RT: 13.742 min Scan# 2007
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion:	146	Resp:	12288
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.2
148	67.1	31.9	95.5

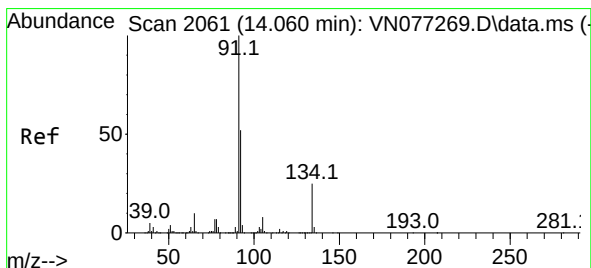
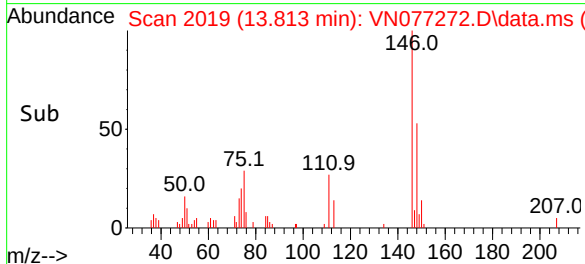
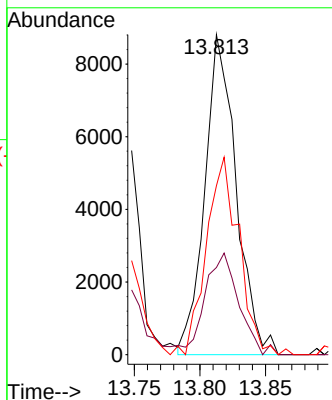
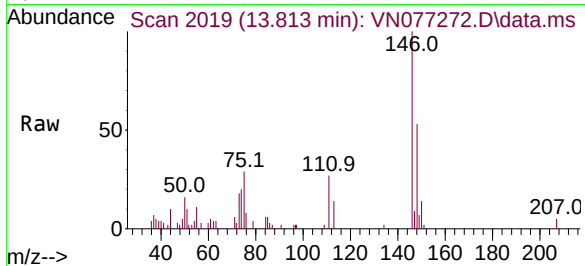




#84
1,4-Dichlorobenzene
Concen: 1.176 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

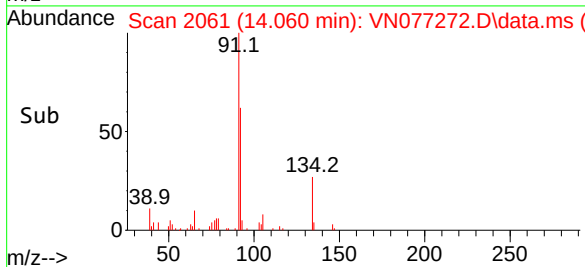
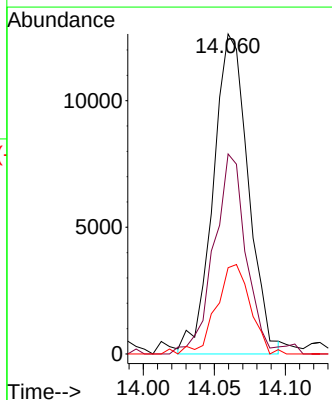
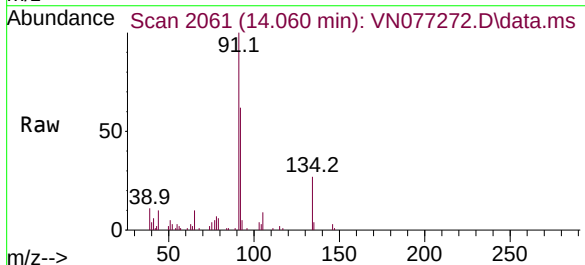
Instrument :
MSVOA_N
ClientSampleId :
IBLK

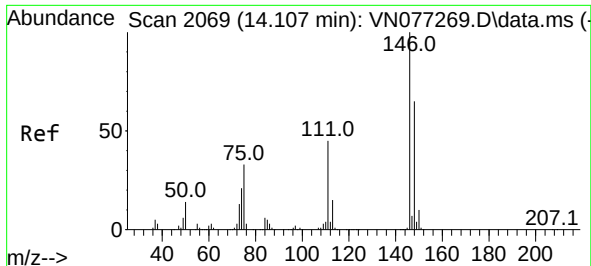
Tgt Ion:146 Resp: 14688
Ion Ratio Lower Upper
146 100
111 32.8 20.3 61.0
148 63.2 31.6 94.7



#85
n-Butylbenzene
Concen: 0.969 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 91 Resp: 21687
Ion Ratio Lower Upper
91 100
92 56.7 0.0 105.6
134 26.0 0.0 49.4

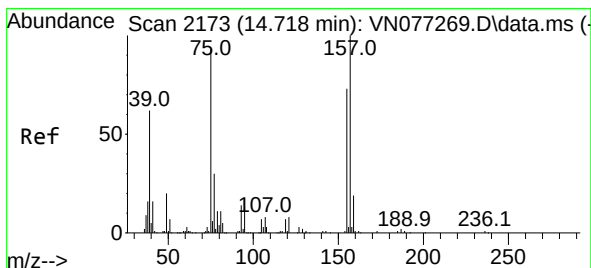
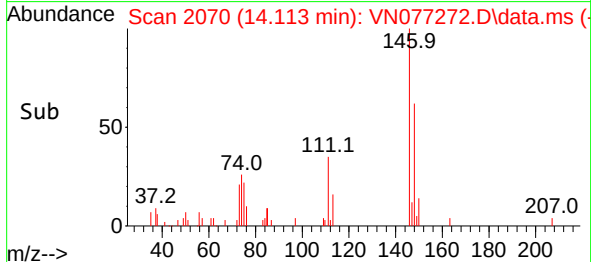
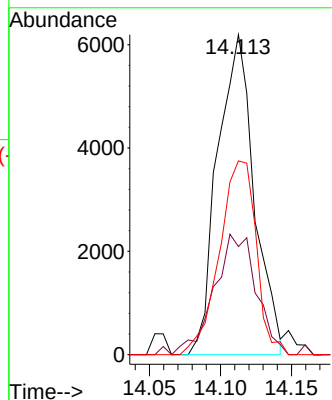
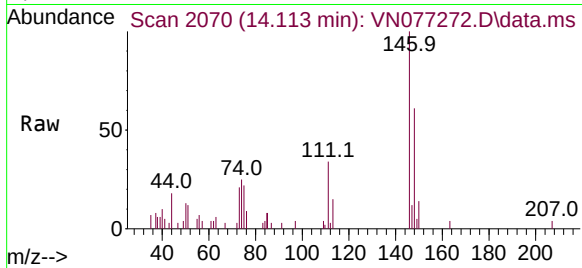




#87
1,2-Dichlorobenzene
Concen: 0.879 ug/l
RT: 14.113 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

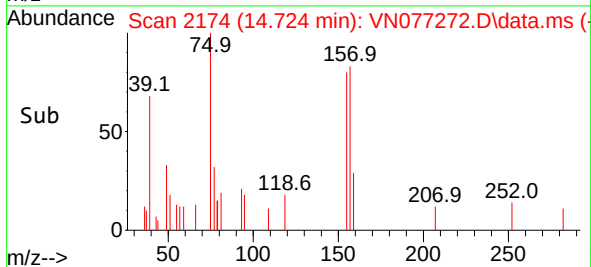
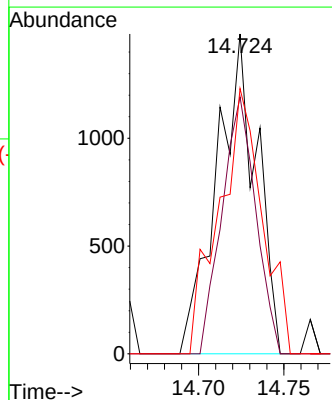
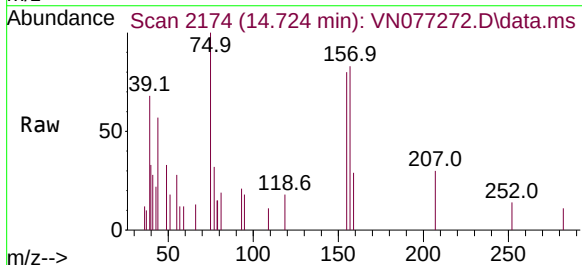
Instrument :
MSVOA_N
ClientSampleId :
IBLK

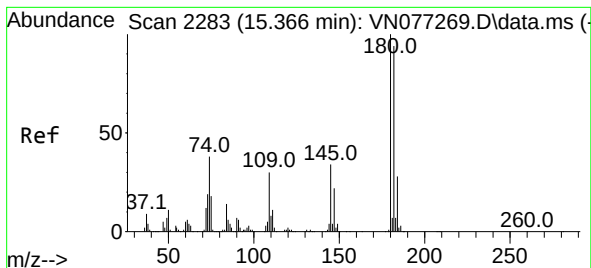
Tgt Ion:146 Resp: 11085
Ion Ratio Lower Upper
146 100
111 43.3 22.1 66.5
148 61.0 31.9 95.7



#88
1,2-Dibromo-3-Chloropropane
Concen: 1.239 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 75 Resp: 2430
Ion Ratio Lower Upper
75 100
155 67.7 67.8 101.6#
157 88.9 86.3 129.5





#89

1,2,4-Trichlorobenzene

Concen: 2.331 ug/l

RT: 15.365 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

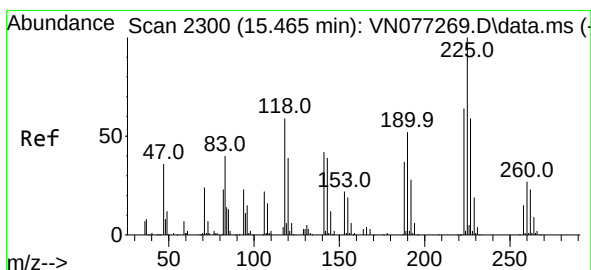
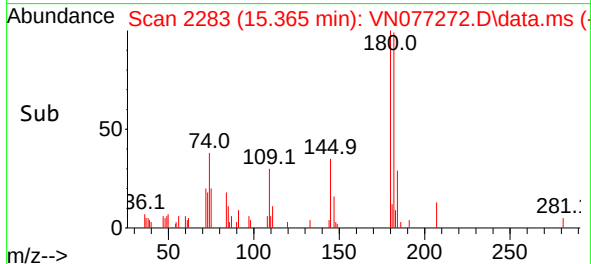
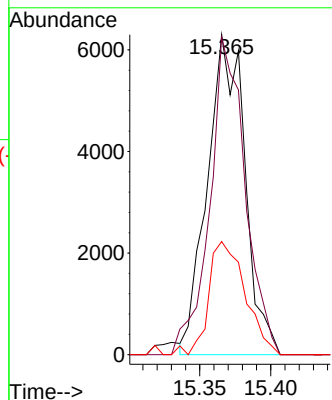
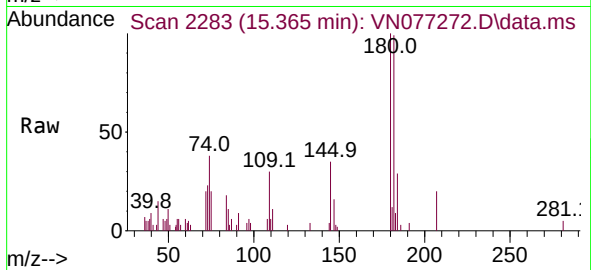
Tgt Ion:180 Resp: 11566

Ion Ratio Lower Upper

180 100

182 93.2 75.6 113.4

145 33.9 26.7 40.1



#90

Hexachlorobutadiene

Concen: 0.794 ug/l

RT: 15.465 min Scan# 2300

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

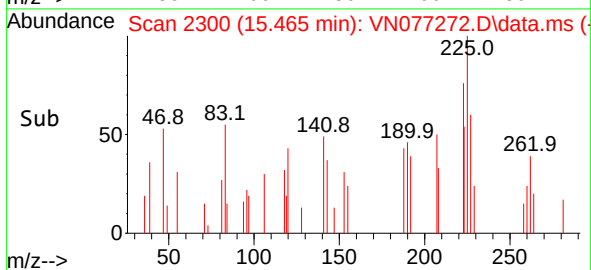
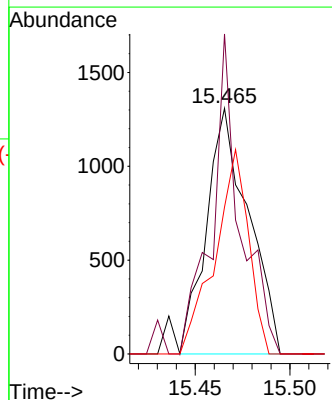
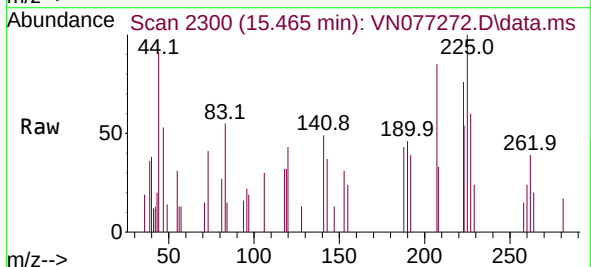
Tgt Ion:225 Resp: 2020

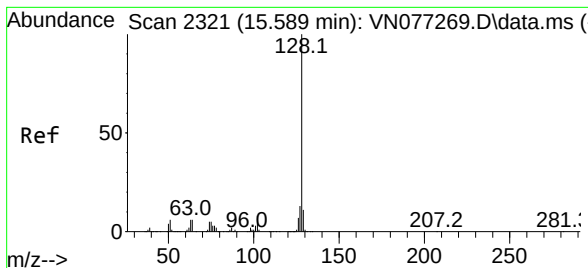
Ion Ratio Lower Upper

225 100

223 31.4 0.0 126.0

227 66.3 0.0 127.2





#91

Naphthalene

Concen: 3.304 ug/l

RT: 15.589 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

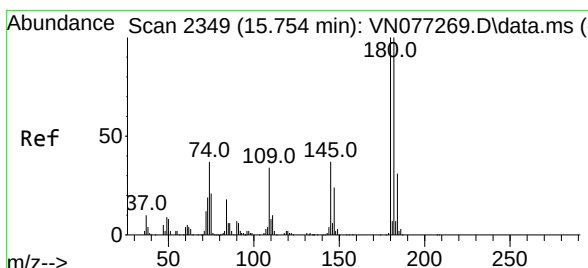
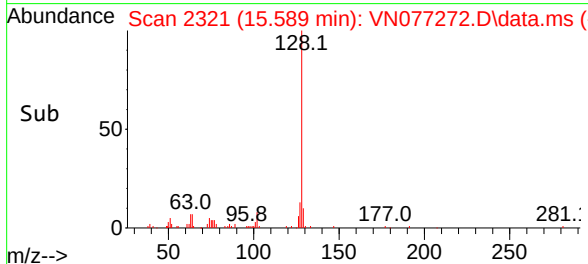
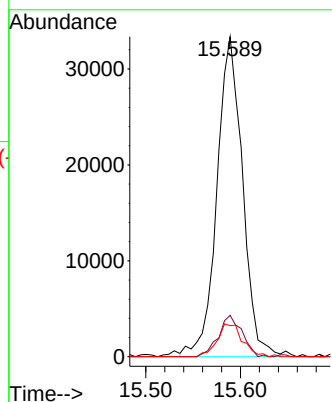
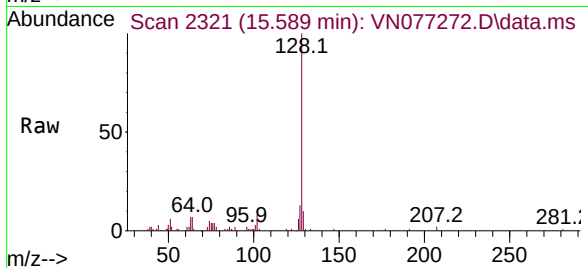
Tgt Ion:128 Resp: 62637

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

129 10.2 8.9 13.3



#92

1,2,3-Trichlorobenzene

Concen: 2.897 ug/l

RT: 15.760 min Scan# 2350

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Tgt Ion:180 Resp: 14025

Ion Ratio Lower Upper

180 100

182 94.1 0.0 190.4

145 21.3 0.0 72.4

