

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077520.D
 Acq On : 29 Apr 2023 15:40
 Operator : JC\MD
 Sample : PB152434ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#04

Quant Time: May 01 01:24:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

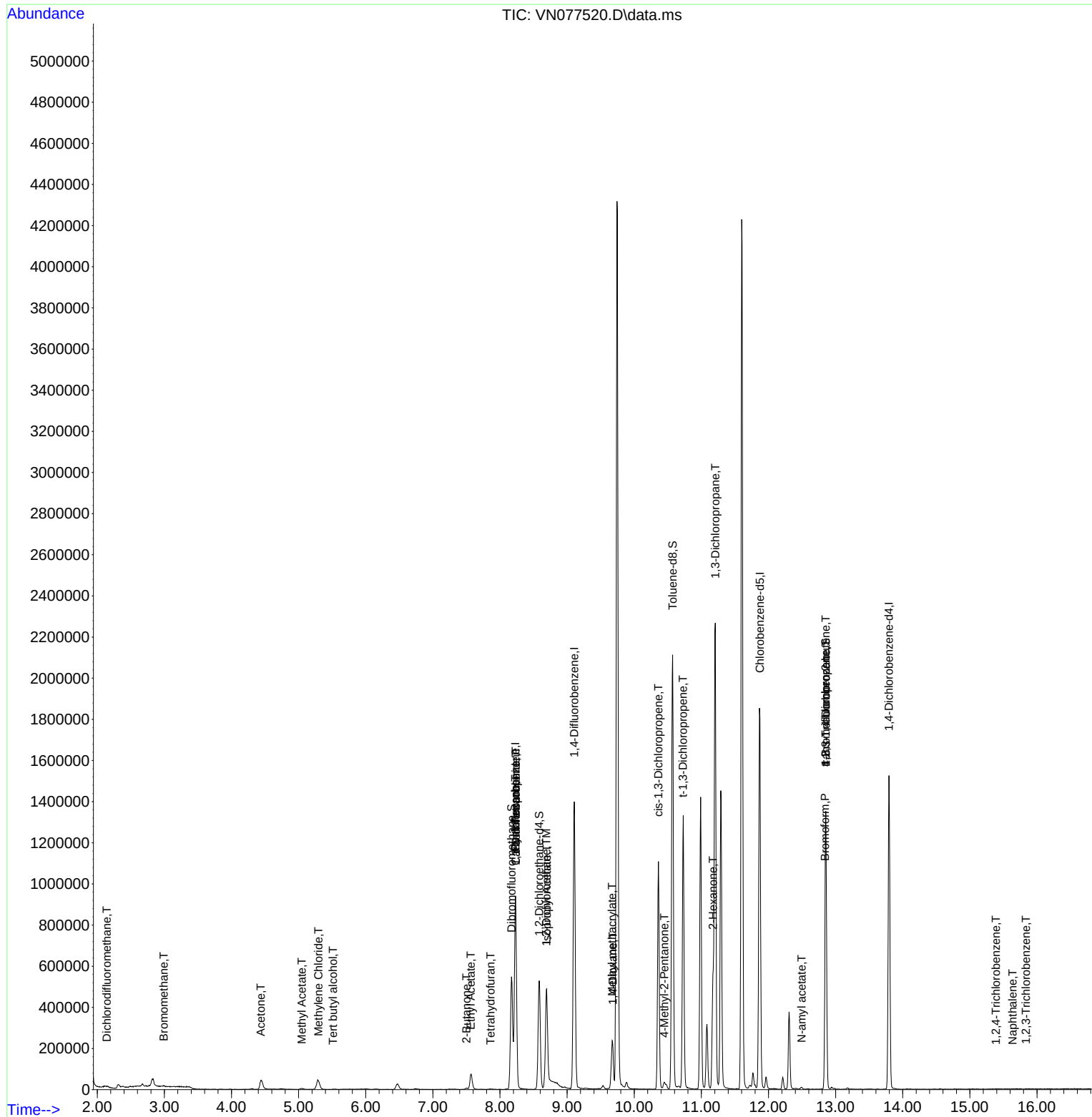
Internal Standards						
1) Pentafluorobenzene	8.231	168	661498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1281838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1157924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	412369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	446001	51.670	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.340%			
35) Dibromofluoromethane	8.172	113	399188	51.813	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.620%			
50) Toluene-d8	10.572	98	1550517	52.510	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.854	95	503098	52.076	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	56	0.316	ug/l #	43
5) Bromomethane	2.990	94	3255	0.425	ug/l #	61
11) Tert butyl alcohol	5.513	59	403	0.291	ug/l #	72
16) Acetone	4.437	43	86084	31.347	ug/l	95
18) Methyl Acetate	5.049	43	8081	0.762	ug/l	93
20) Methylene Chloride	5.296	84	40105	4.605	ug/l	96
25) 2-Butanone	7.501	43	8255	2.119	ug/l #	75
29) Tetrahydrofuran	7.860	42	1571	0.644	ug/l #	87
31) Cyclohexane	8.231	56	14853	1.215	ug/l #	9
36) 1,1-Dichloropropene	8.237	75	56953	5.117	ug/l #	48
37) Ethyl Acetate	7.566	43	105785	12.507	ug/l	97
38) Carbon Tetrachloride	8.237	117	74541	6.070	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	4299	0.369	ug/l	79
43) Isopropyl Acetate	8.695	43	577683	39.480	ug/l #	86
48) Methyl methacrylate	9.672	41	12248	1.839	ug/l #	32
49) 1,4-Dioxane	9.684	88	108	0.646	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	16873	1.966	ug/l #	85
53) t-1,3-Dichloropropene	10.725	75	4194	0.332	ug/l #	80
54) cis-1,3-Dichloropropene	10.360	75	234461	17.063	ug/l #	61
57) 1,3-Dichloropropane	11.207	76	28661	2.014	ug/l #	42
59) 2-Hexanone	11.172	43	388707	62.307	ug/l #	19
71) Bromoform	12.842	173	1675	0.287	ug/l #	28
74) N-amyl acetate	12.495	43	5477	0.483	ug/l #	36
76) 1,2,3-Trichloropropane	12.854	75	269601	28.115	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	269601	79.430	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.389	180	323	0.905	ug/l #	32
95) Naphthalene	15.636	128	1091	1.240	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.836	180	205	0.548	ug/l #	59

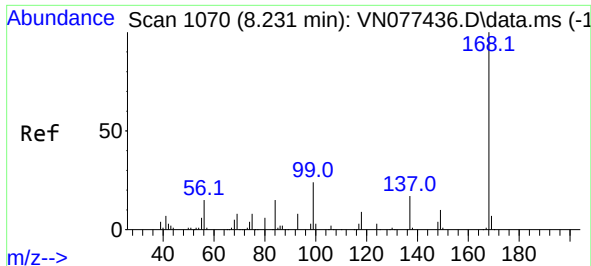
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
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Sample : PB152434ZHE#04
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Instrument :
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ClientSampleId :
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Quant Time: May 01 01:24:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:50:59 2023
Response via : Initial Calibration

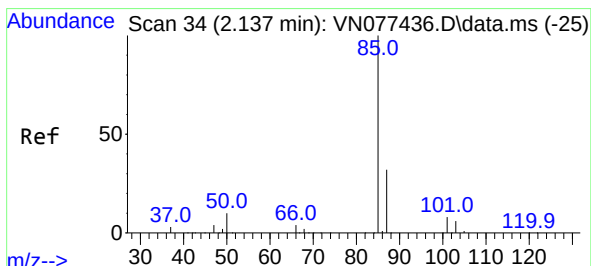
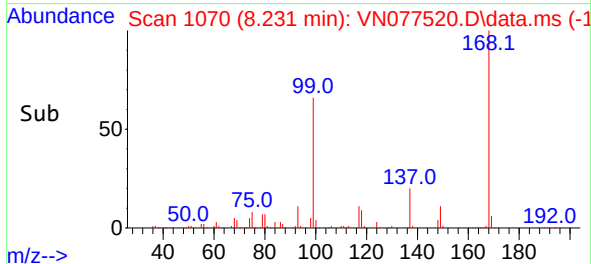
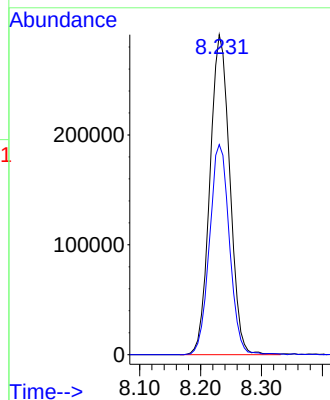
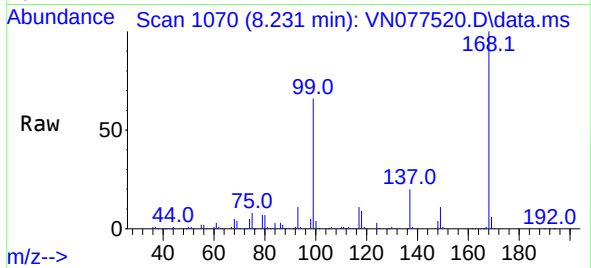




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

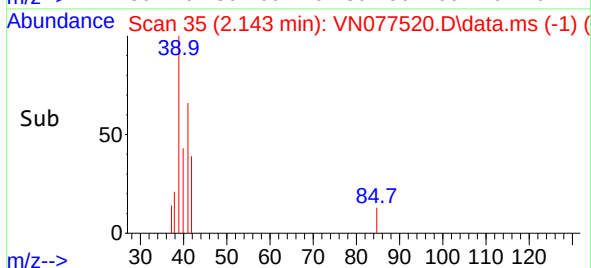
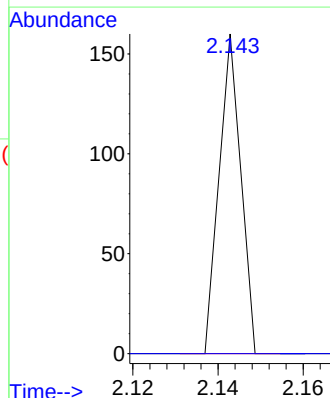
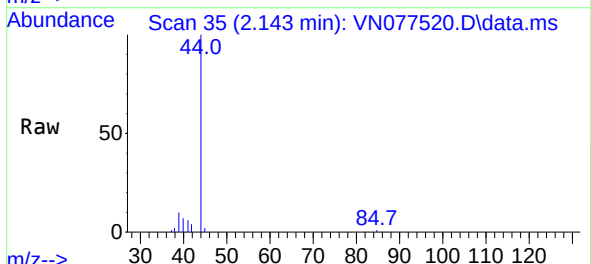
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

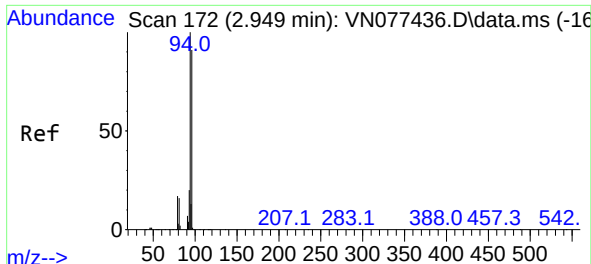
Tgt Ion:168 Resp: 661498
Ion Ratio Lower Upper
168 100
99 65.6 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.316 ug/l
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 85 Resp: 56
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.4#

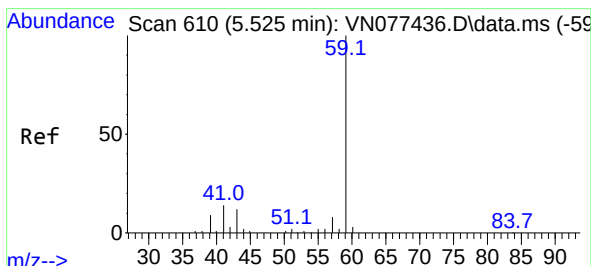
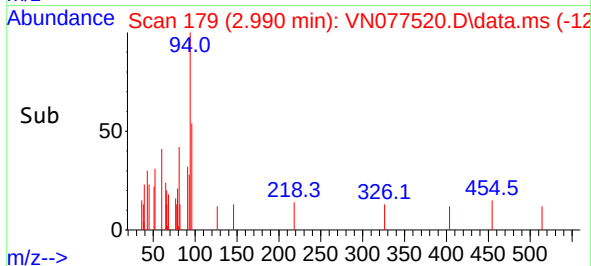
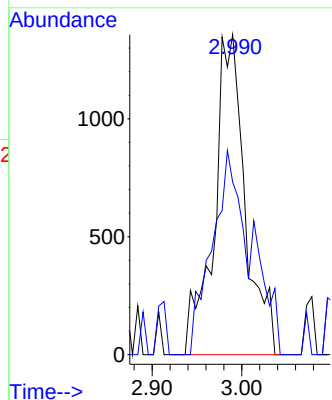
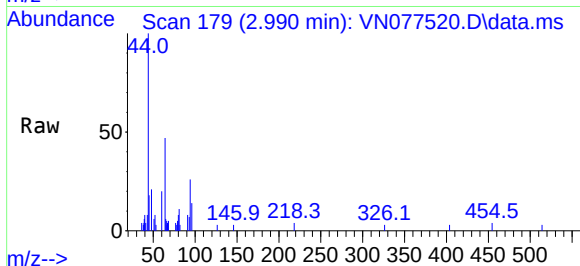




#5
Bromomethane
Concen: 0.425 ug/l
RT: 2.990 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

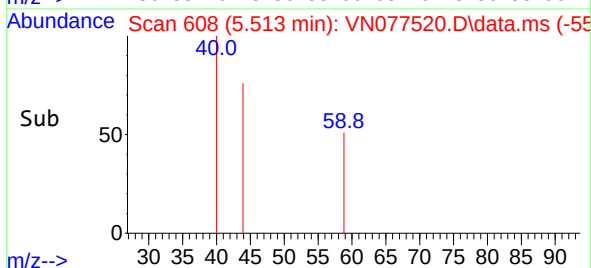
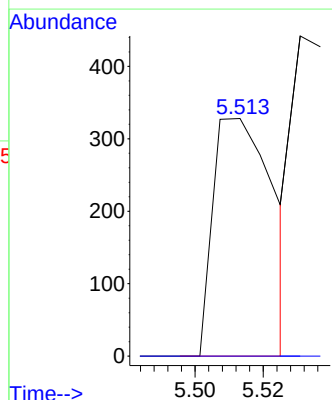
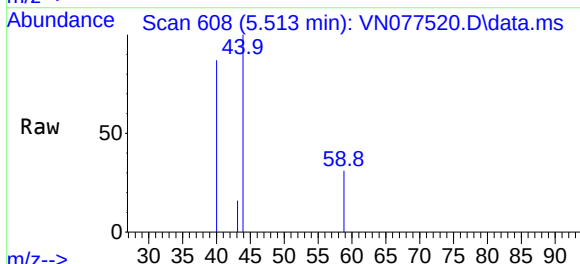
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

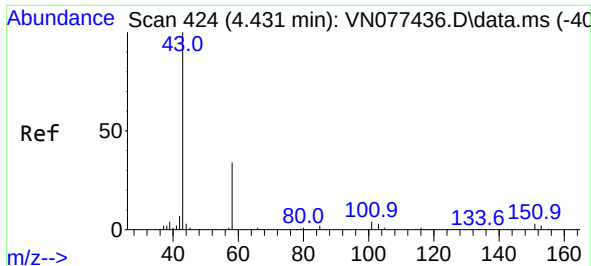
Tgt Ion: 94 Resp: 3255
Ion Ratio Lower Upper
94 100
96 53.9 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

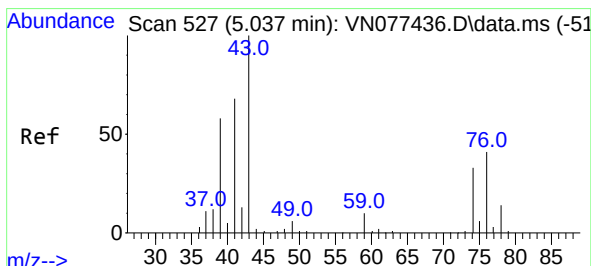
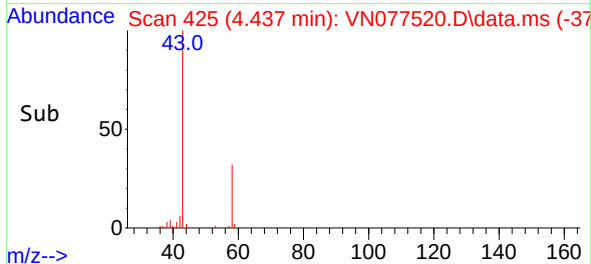
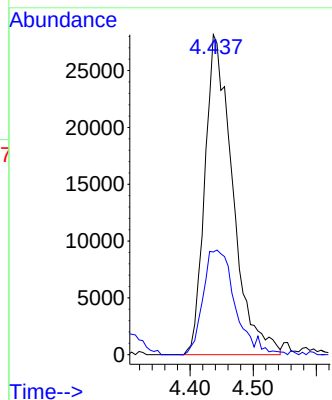
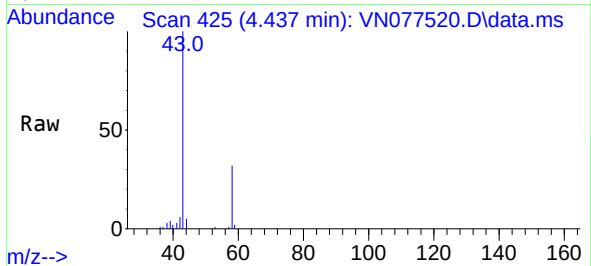




#16
Acetone
Concen: 31.347 ug/l
RT: 4.437 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

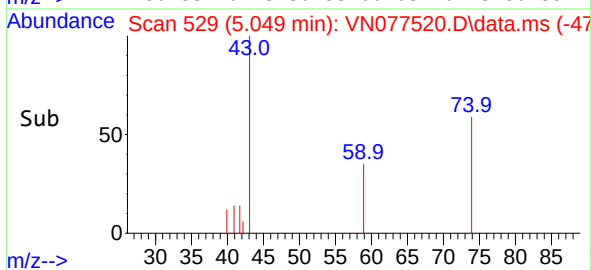
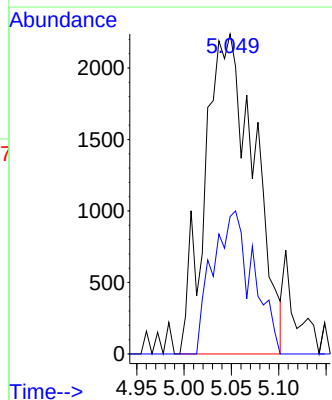
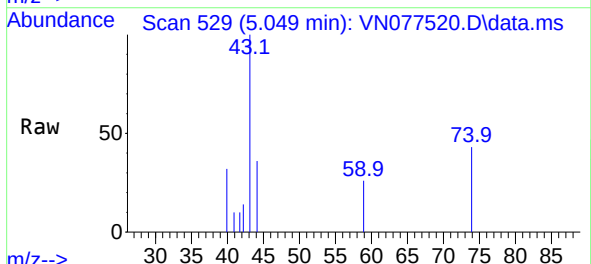
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

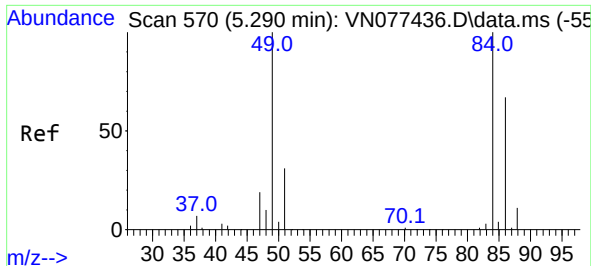
Tgt Ion: 43 Resp: 86084
Ion Ratio Lower Upper
43 100
58 32.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.762 ug/l
RT: 5.049 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 43 Resp: 8081
Ion Ratio Lower Upper
43 100
74 36.7 26.2 39.4



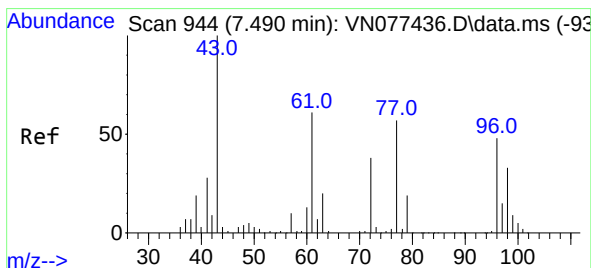
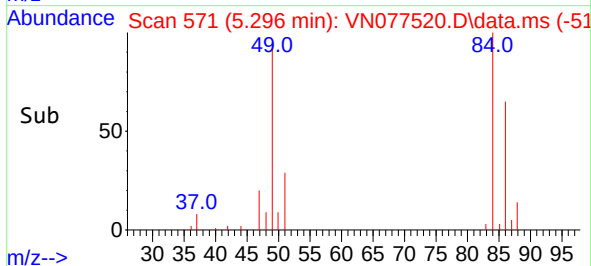
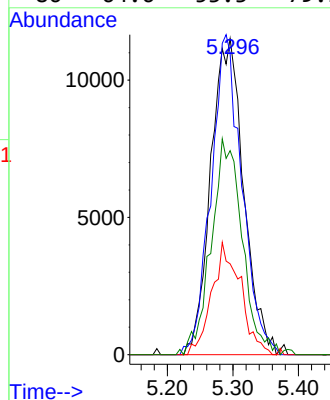
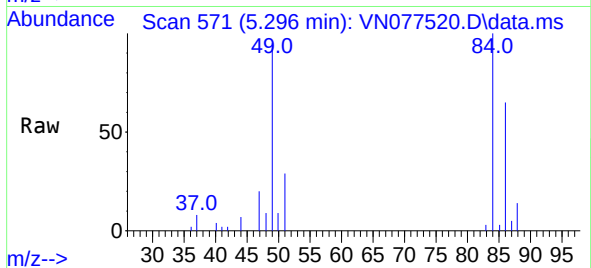


#20
Methylene Chloride
Concen: 4.605 ug/l
RT: 5.296 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

Tgt Ion: 84 Resp: 40105

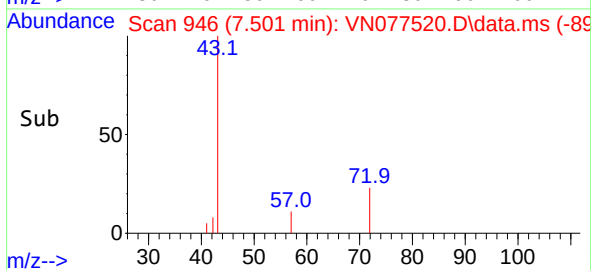
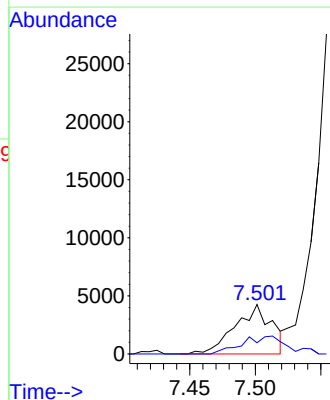
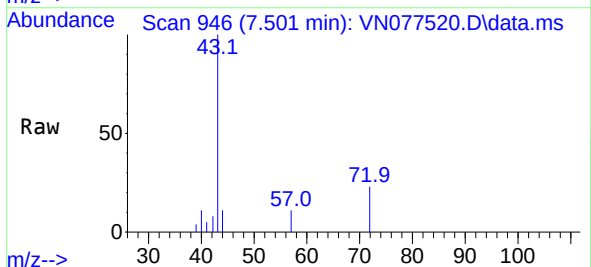
Ion	Ratio	Lower	Upper
84	100		
49	95.5	79.7	119.5
51	28.7	25.2	37.8
86	64.6	53.3	79.9

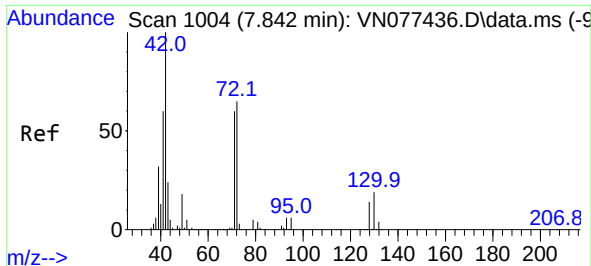


#25
2-Butanone
Concen: 2.119 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 43 Resp: 8255

Ion	Ratio	Lower	Upper
43	100		
72	22.6	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.644 ug/l

RT: 7.860 min Scan# 10

Delta R.T. 0.018 min

Lab File: VN077520.D

Acq: 29 Apr 2023 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#04

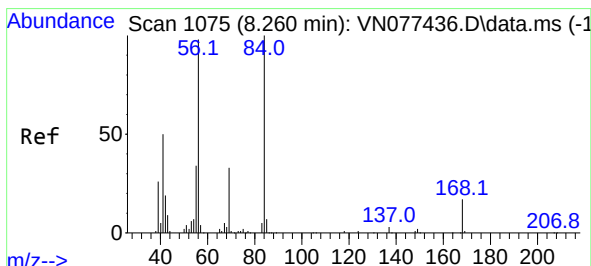
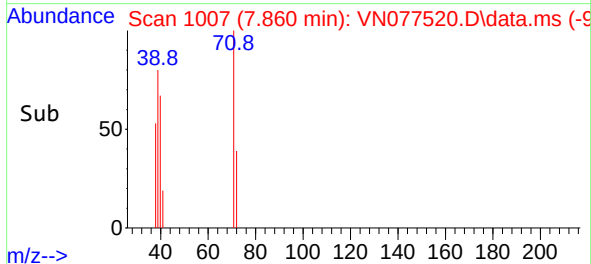
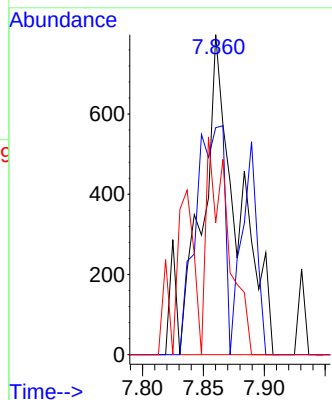
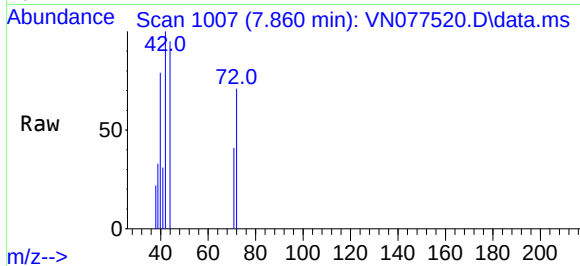
Tgt Ion: 42 Resp: 1571

Ion Ratio Lower Upper

42 100

72 59.8 49.8 74.6

71 42.5 47.4 71.2#



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.029 min

Lab File: VN077520.D

Acq: 29 Apr 2023 15:40

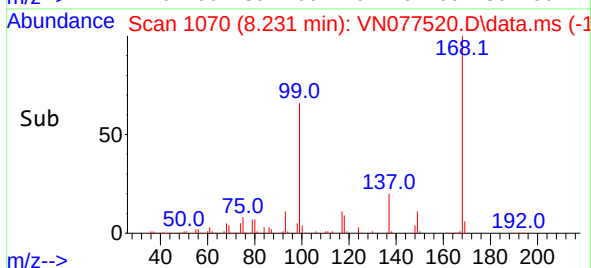
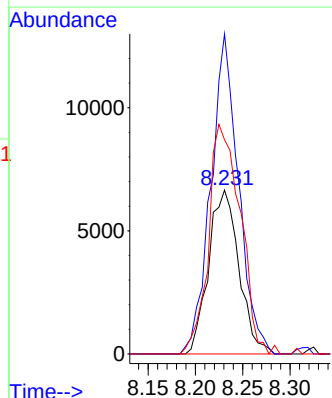
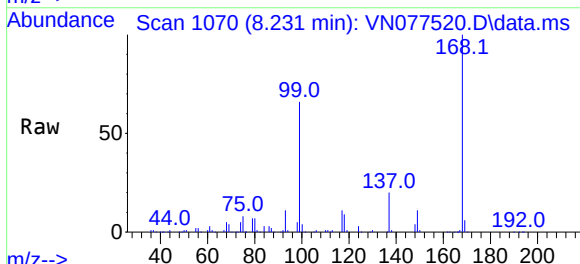
Tgt Ion: 56 Resp: 14853

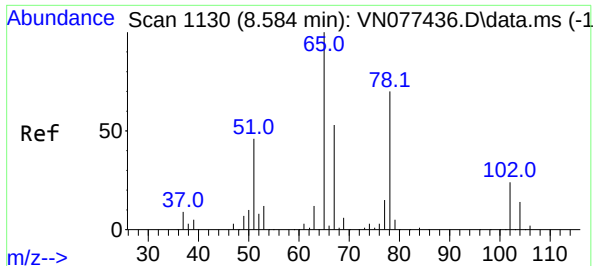
Ion Ratio Lower Upper

56 100

69 195.3 26.8 40.2#

84 130.7 81.8 122.6#

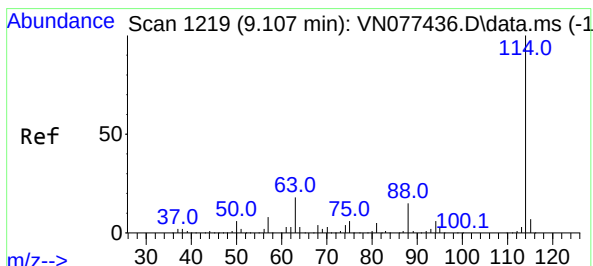
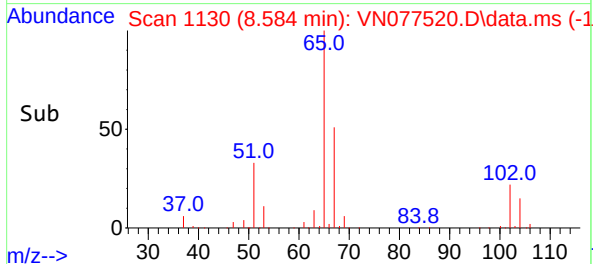
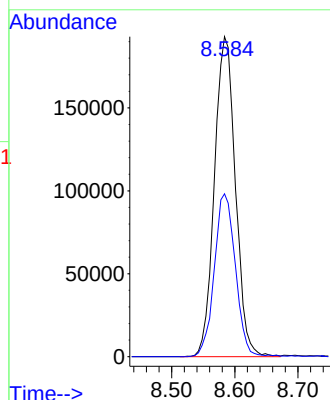
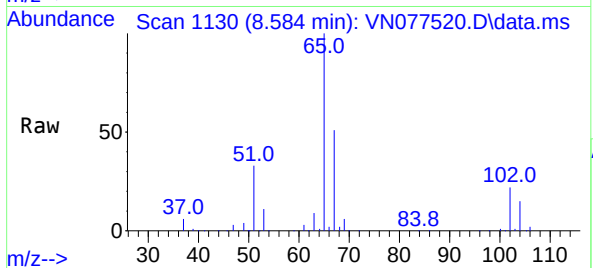




#33
1,2-Dichloroethane-d4
Concen: 51.670 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

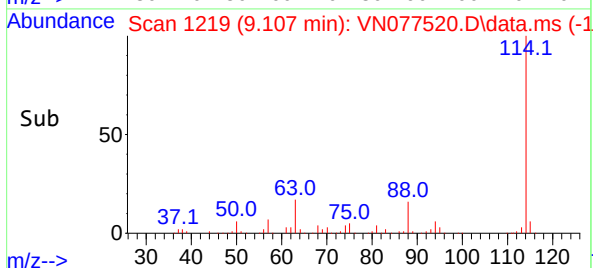
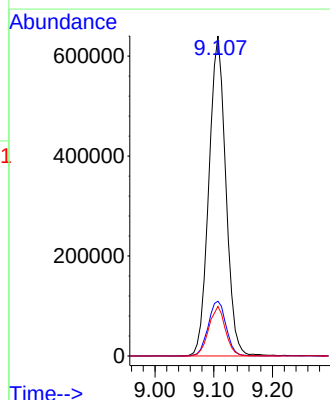
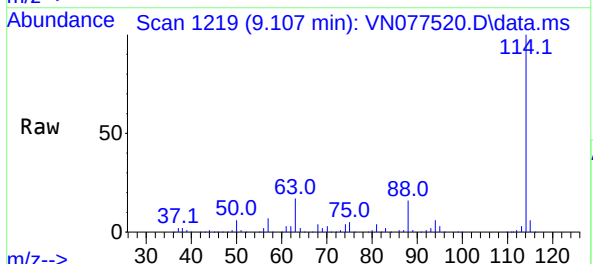
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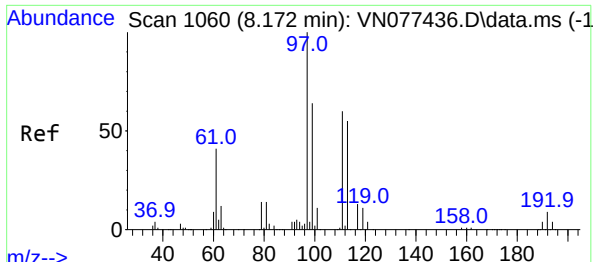
Tgt Ion: 65 Resp: 446001
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 114 Resp: 1281838
Ion Ratio Lower Upper
114 100
63 17.1 0.0 36.4
88 15.5 0.0 30.6

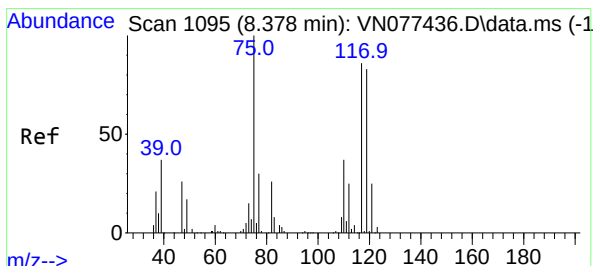
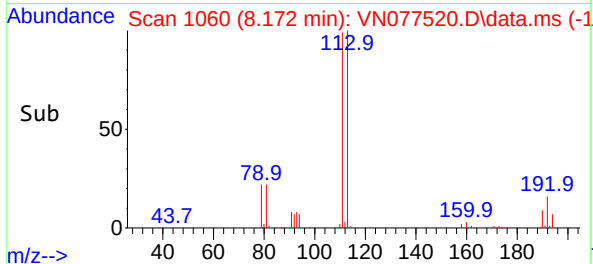
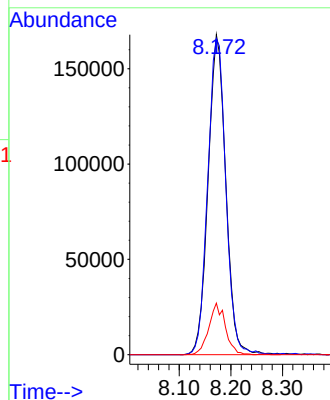
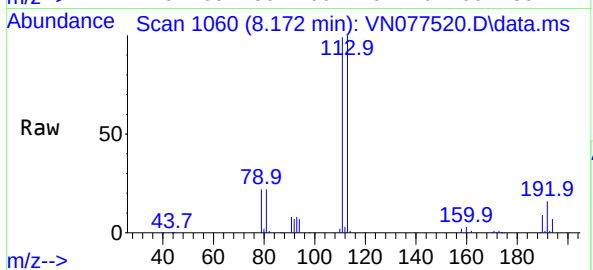




#35
Dibromofluoromethane
Concen: 51.813 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

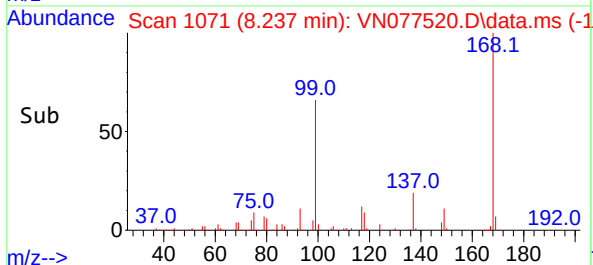
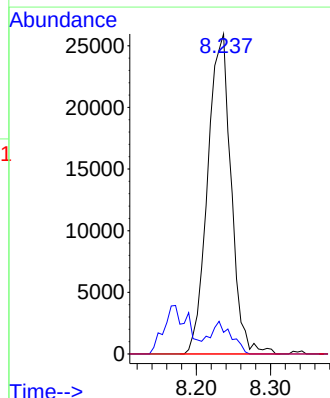
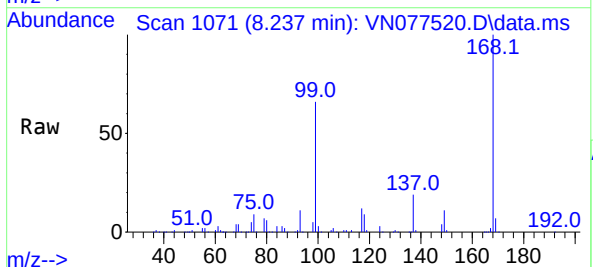
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

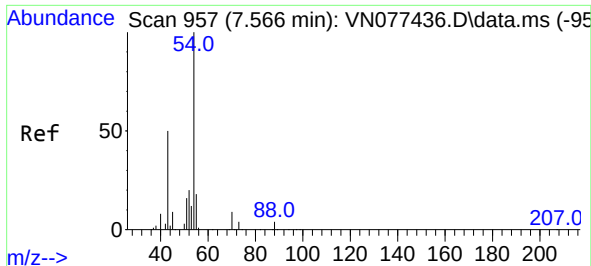
Tgt Ion:113 Resp: 399188
Ion Ratio Lower Upper
113 100
111 101.0 82.6 123.8
192 15.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 75 Resp: 56953
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#

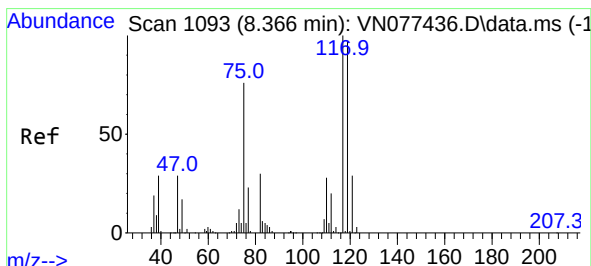
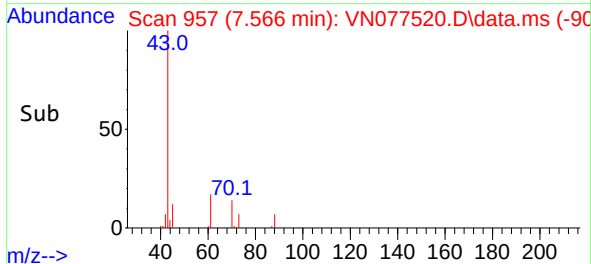
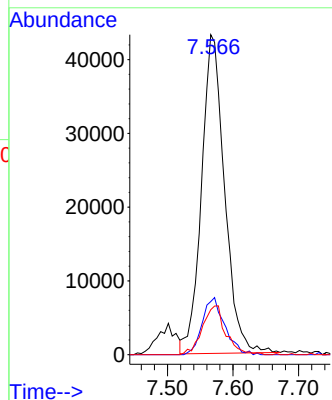
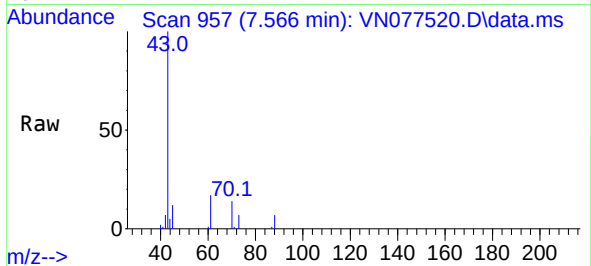




#37
Ethyl Acetate
Concen: 12.507 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

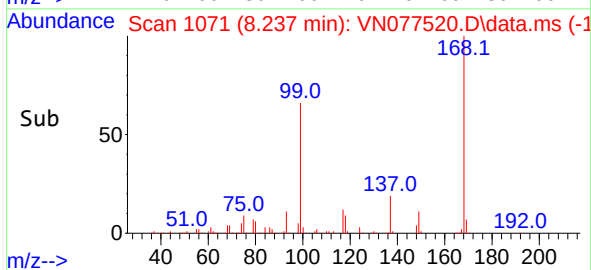
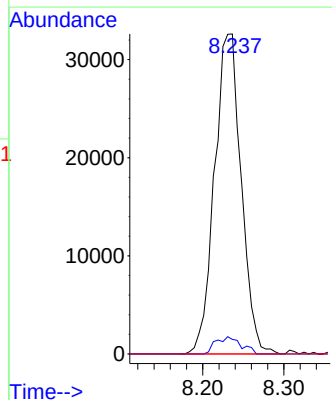
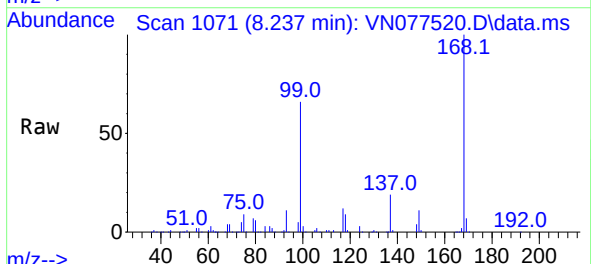
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

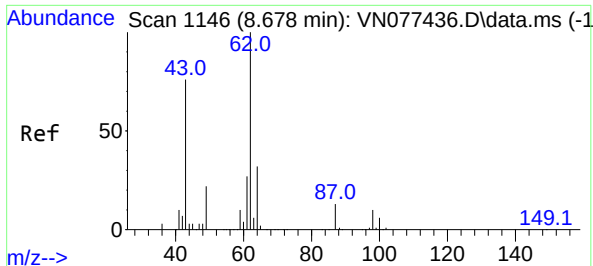
Tgt Ion: 43 Resp: 105785
Ion Ratio Lower Upper
43 100
61 17.4 13.2 19.8
70 15.5 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.129 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 117 Resp: 74541
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#

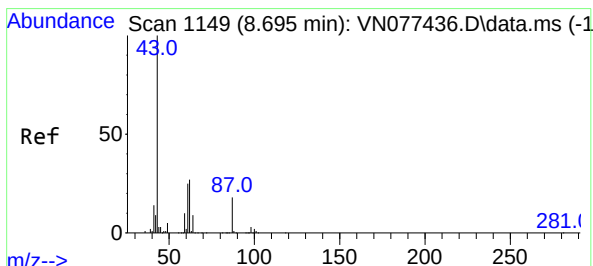
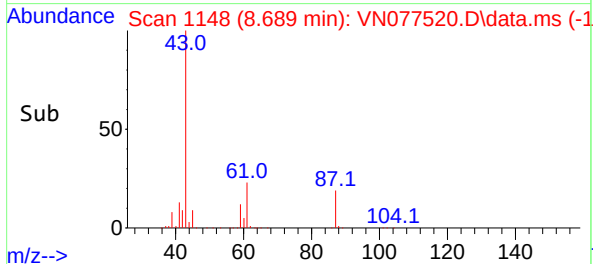
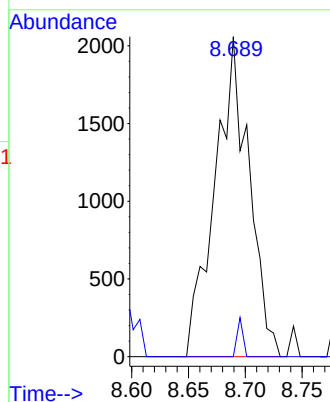
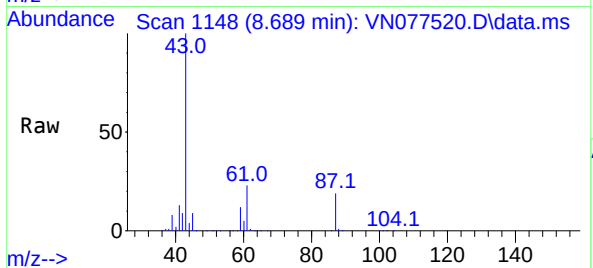




#42
1,2-Dichloroethane
Concen: 0.369 ug/l
RT: 8.689 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

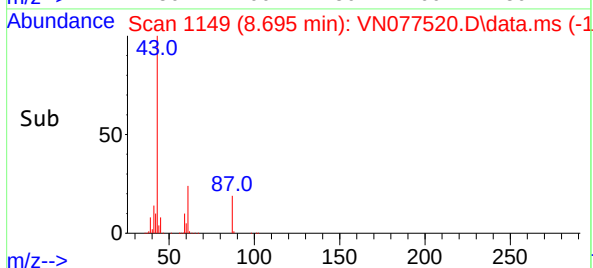
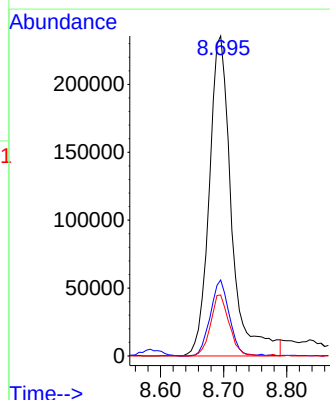
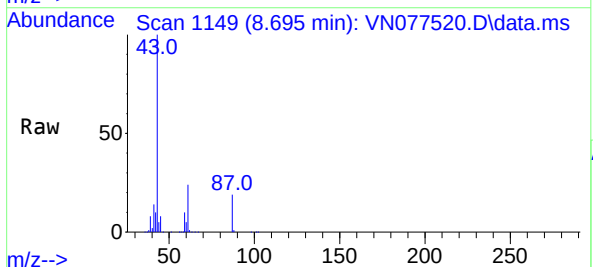
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

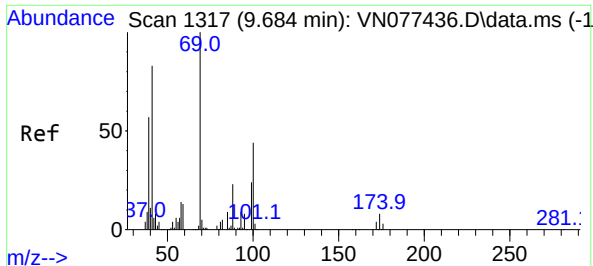
Tgt Ion: 62 Resp: 4299
Ion Ratio Lower Upper
62 100
98 2.1 0.0 19.8



#43
Isopropyl Acetate
Concen: 39.480 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 43 Resp: 577683
Ion Ratio Lower Upper
43 100
61 20.2 24.7 37.1#
87 15.9 14.6 21.8

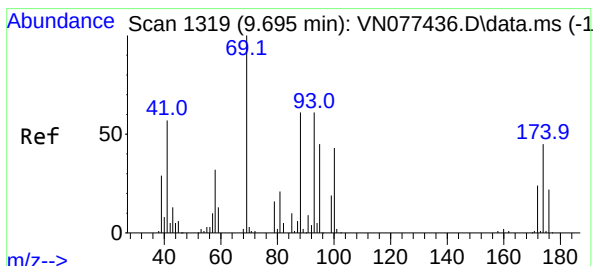
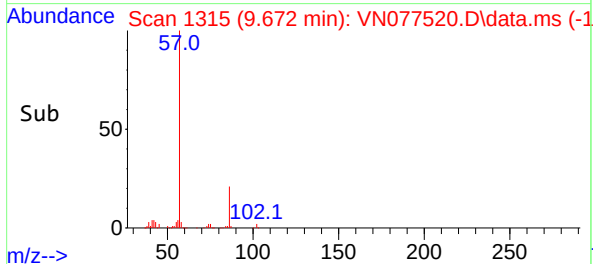
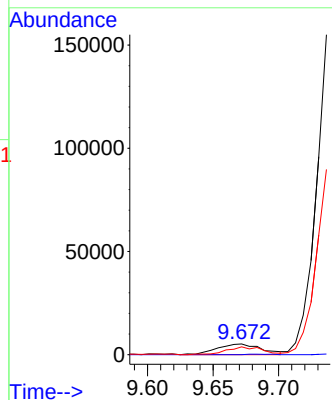
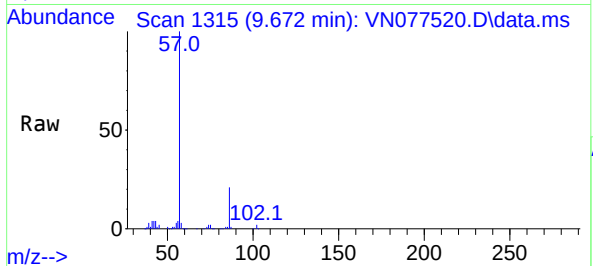




#48
Methyl methacrylate
Concen: 1.839 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

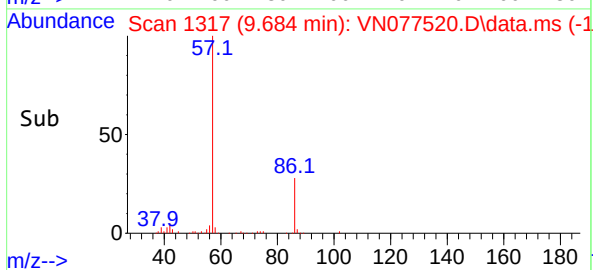
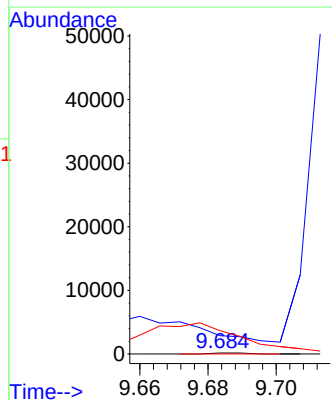
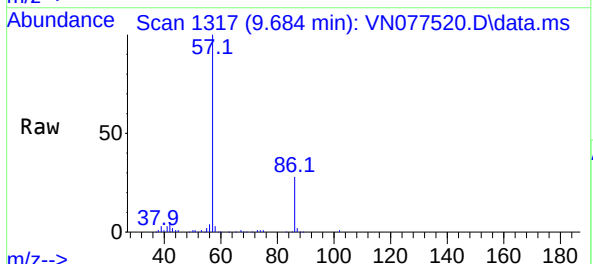
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

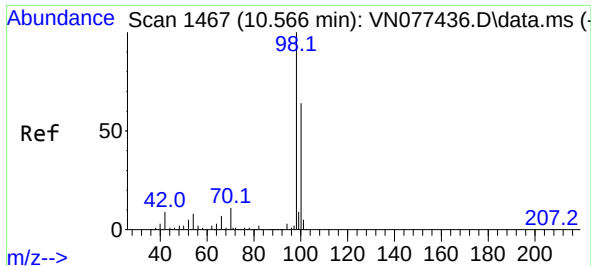
Tgt Ion: 41 Resp: 12248
Ion Ratio Lower Upper
41 100
69 2.4 90.4 135.6#
39 59.3 54.6 81.8



#49
1,4-Dioxane
Concen: 0.646 ug/l
RT: 9.684 min Scan# 1317
Delta R.T. -0.012 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 10251.9 47.0 70.4#

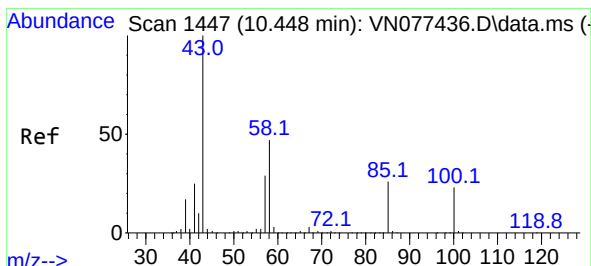
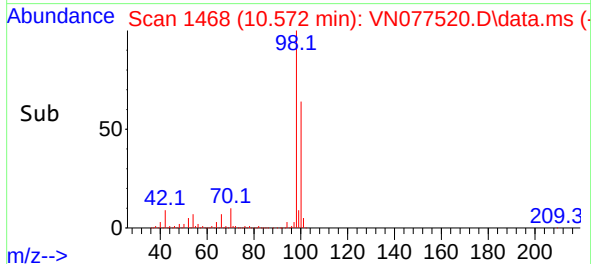
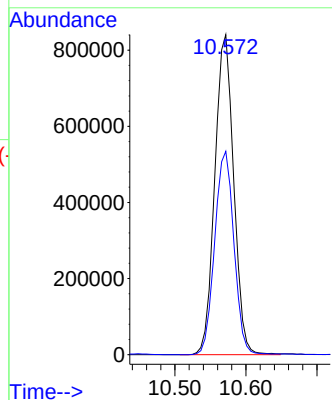
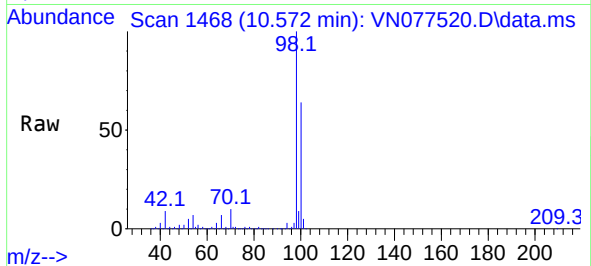




#50
Toluene-d8
Concen: 52.510 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

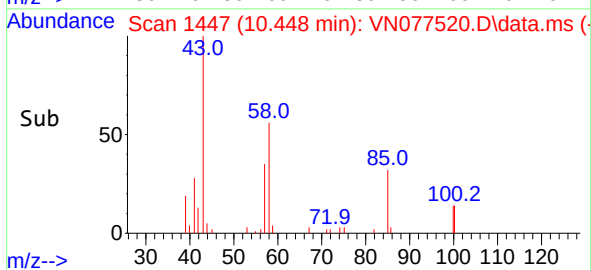
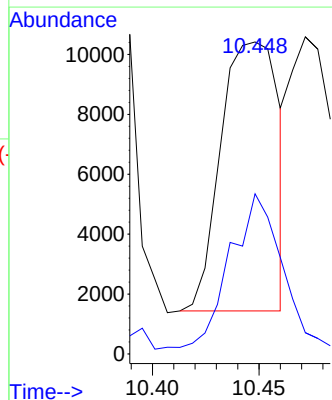
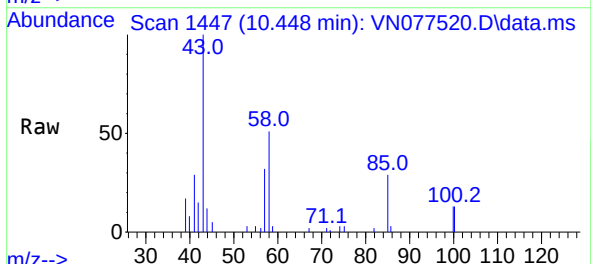
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

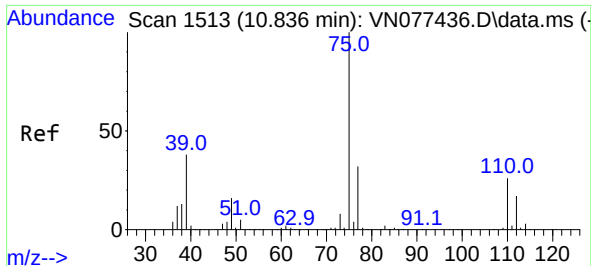
Tgt Ion: 98 Resp: 1550517
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.966 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 43 Resp: 16873
Ion Ratio Lower Upper
43 100
58 55.5 36.6 54.8#

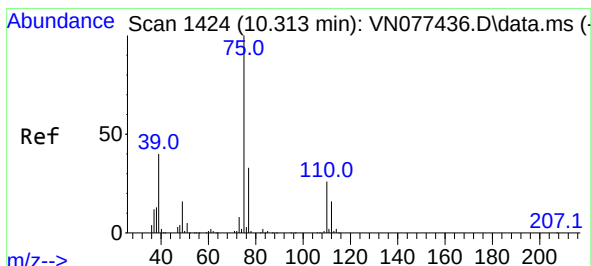
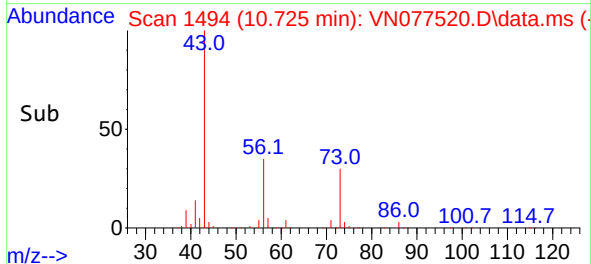
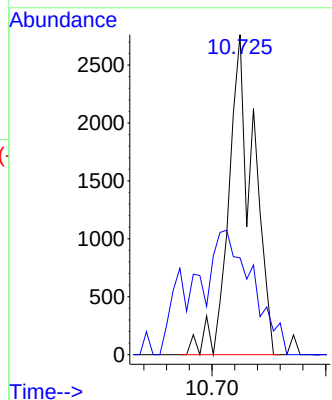
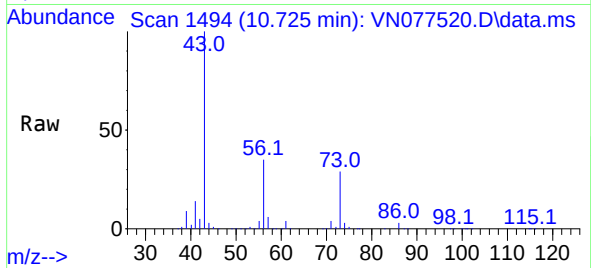




#53
 t-1,3-Dichloropropene
 Concen: 0.332 ug/l
 RT: 10.725 min Scan# 1494
 Delta R.T. -0.112 min
 Lab File: VN077520.D
 Acq: 29 Apr 2023 15:40

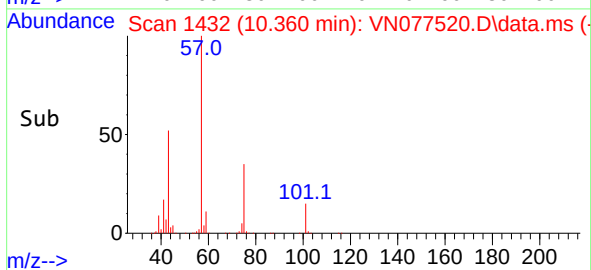
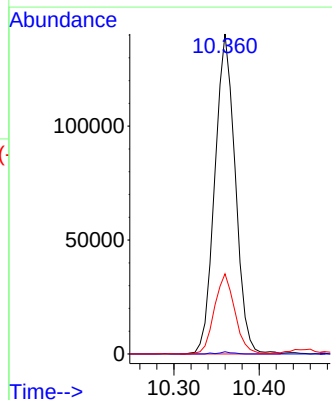
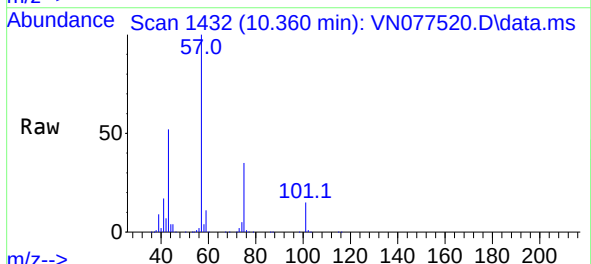
Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#04

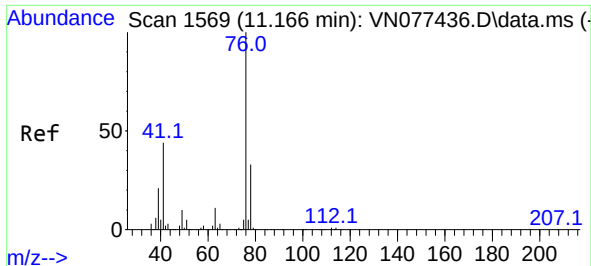
Tgt Ion: 75 Resp: 4194
 Ion Ratio Lower Upper
 75 100
 77 20.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 17.063 ug/l
 RT: 10.360 min Scan# 1432
 Delta R.T. 0.047 min
 Lab File: VN077520.D
 Acq: 29 Apr 2023 15:40

Tgt Ion: 75 Resp: 234461
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 25.1 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 2.014 ug/l

RT: 11.207 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN077520.D

Acq: 29 Apr 2023 15:40

Instrument :

MSVOA_N

ClientSampleId :

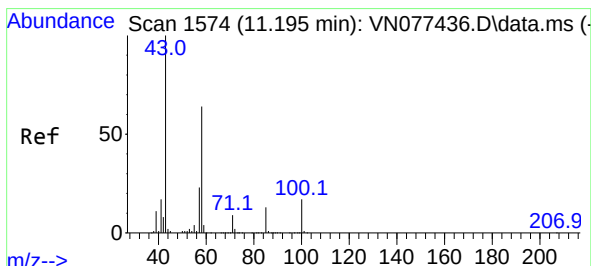
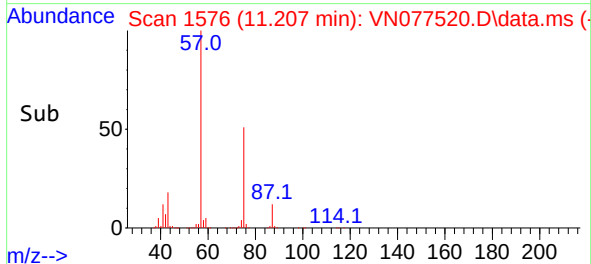
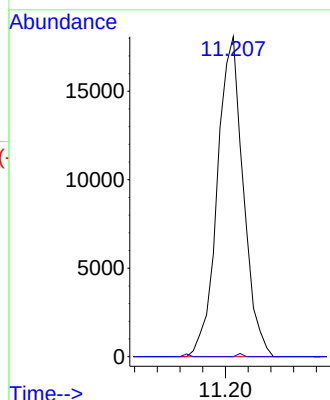
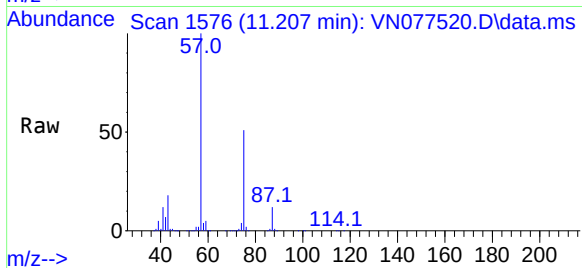
PB152434ZHE#04

Tgt Ion: 76 Resp: 28661

Ion Ratio Lower Upper

76 100

78 0.2 26.1 39.1#



#59

2-Hexanone

Concen: 62.307 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077520.D

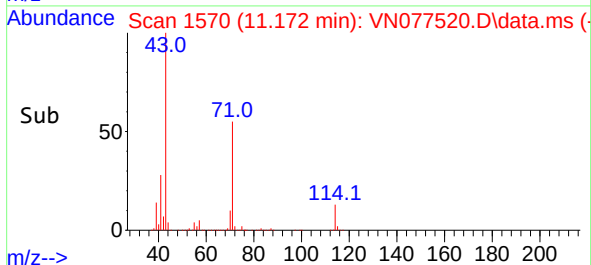
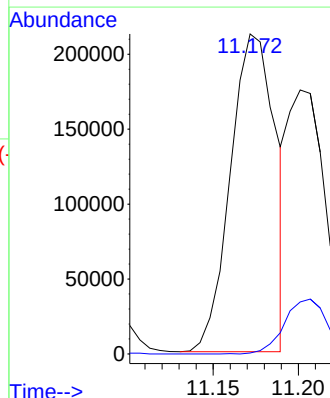
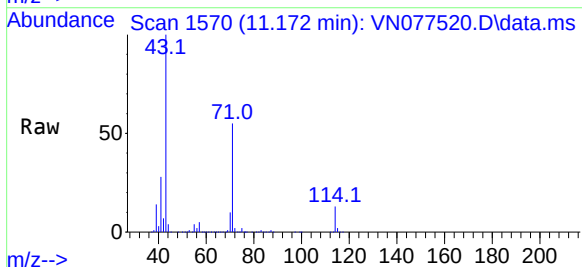
Acq: 29 Apr 2023 15:40

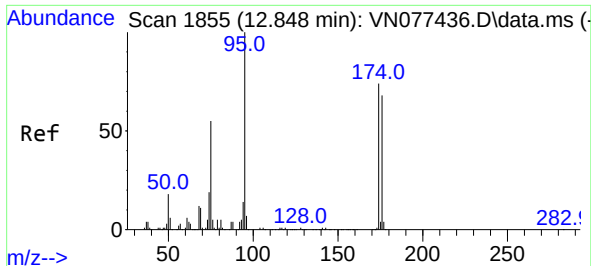
Tgt Ion: 43 Resp: 388707

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

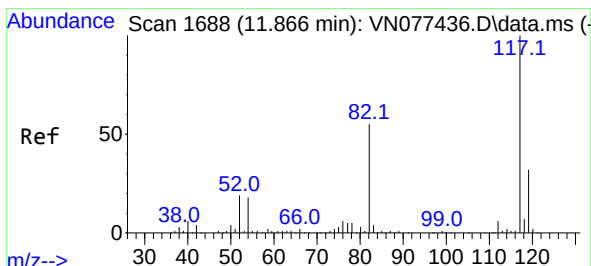
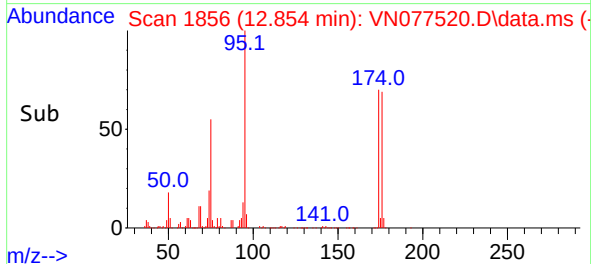
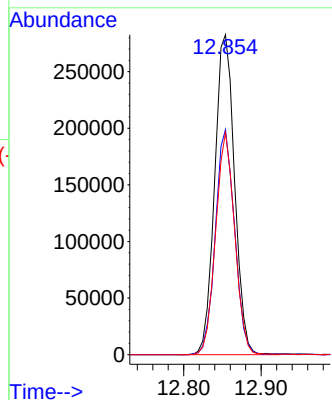
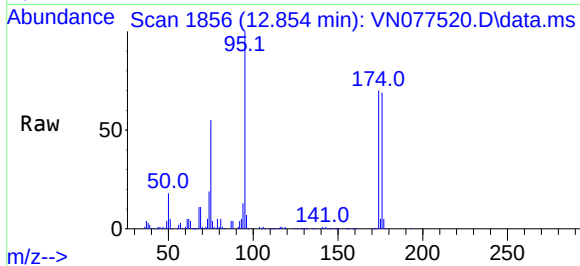




#62
4-Bromofluorobenzene
Concen: 52.076 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

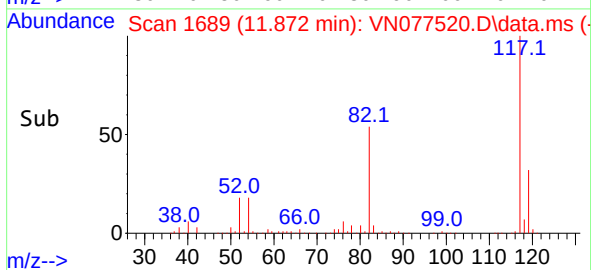
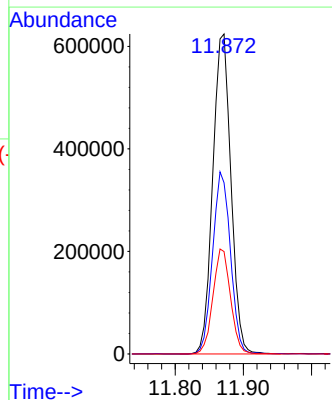
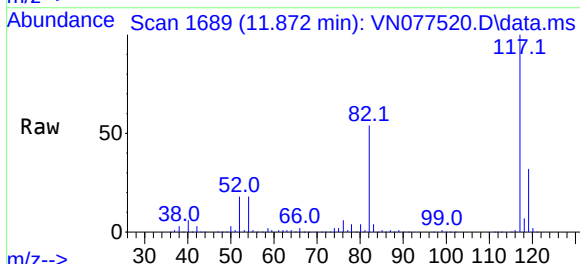
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

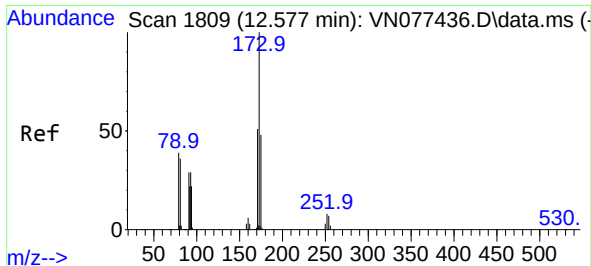
Tgt Ion: 95 Resp: 503098
Ion Ratio Lower Upper
95 100
174 68.2 0.0 143.8
176 66.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion: 117 Resp: 1157924
Ion Ratio Lower Upper
117 100
82 53.5 44.0 66.0
119 32.0 25.6 38.4

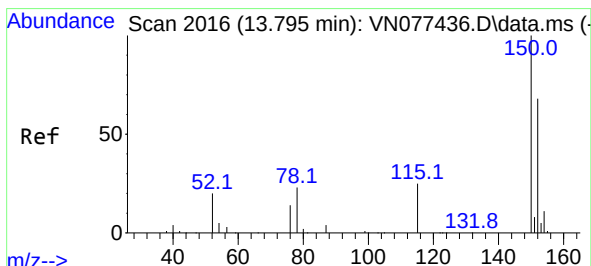
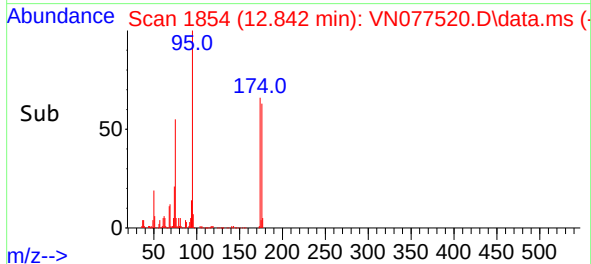
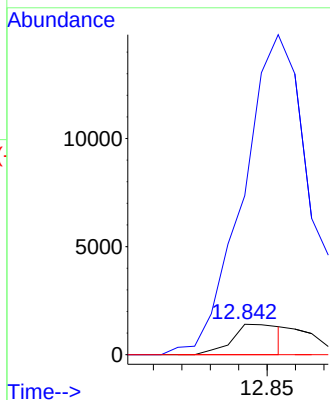
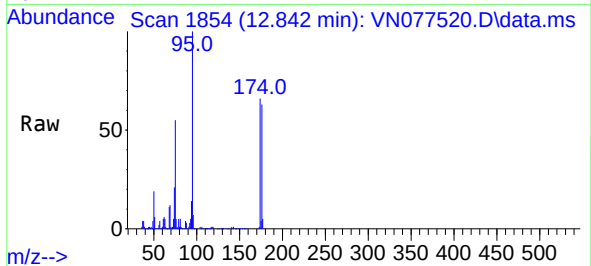




#71
Bromoform
Concen: 0.287 ug/l
RT: 12.842 min Scan# 1809
Delta R.T. 0.265 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

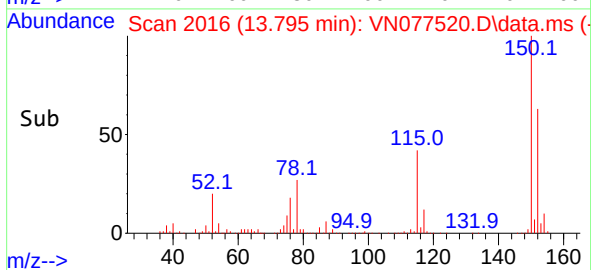
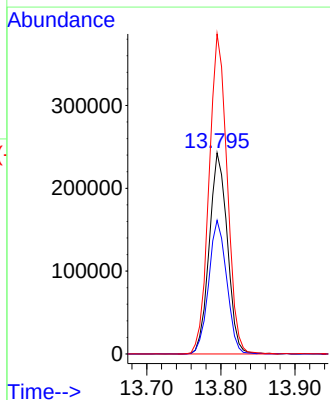
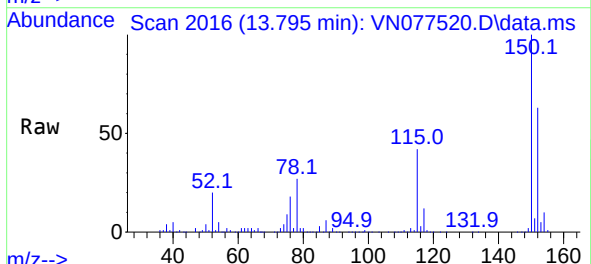
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

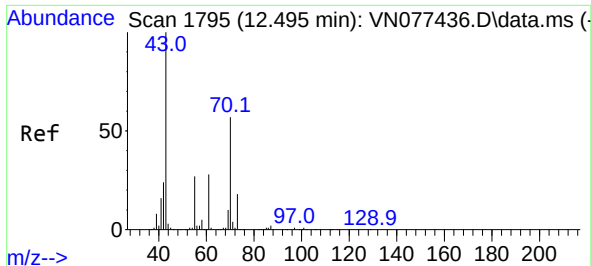
Tgt Ion:173 Resp: 1675
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion:152 Resp: 412369
Ion Ratio Lower Upper
152 100
115 66.1 32.3 96.8
150 158.9 0.0 355.8

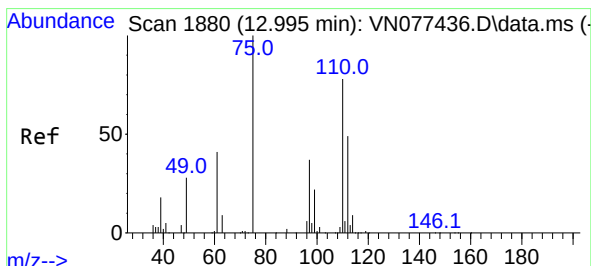
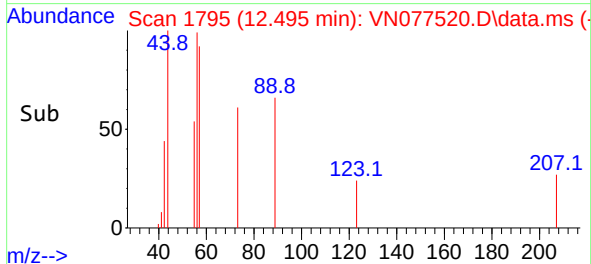
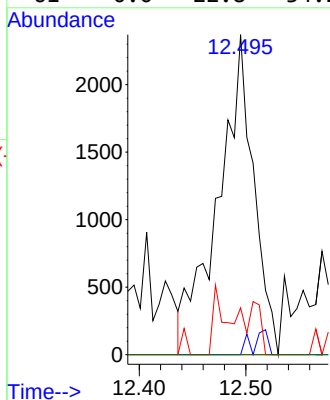
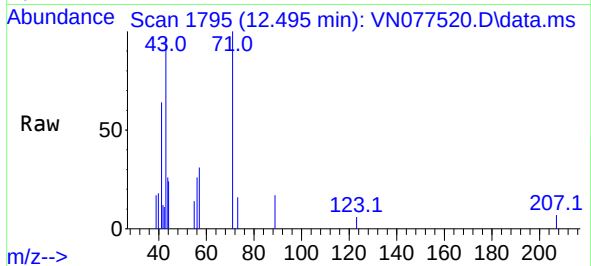




#74
N-amy1 acetate
Concen: 0.483 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

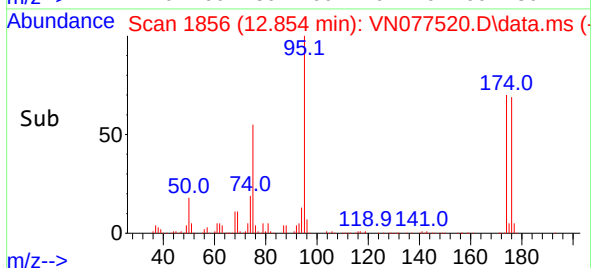
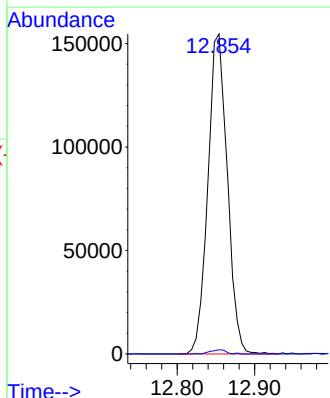
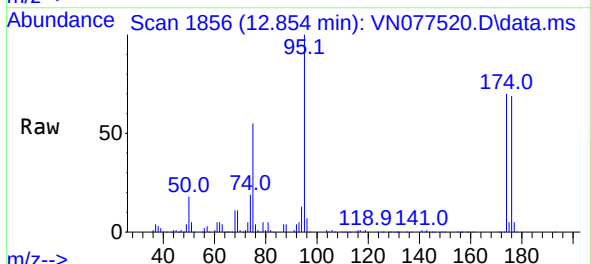
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

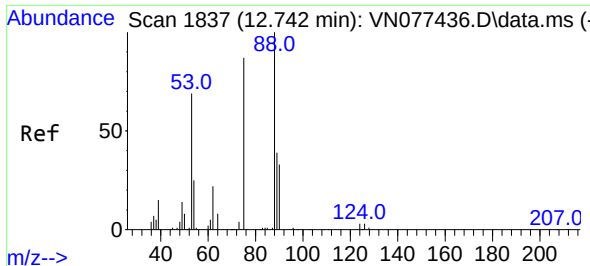
Tgt Ion: 43	Resp: 5477
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.115 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

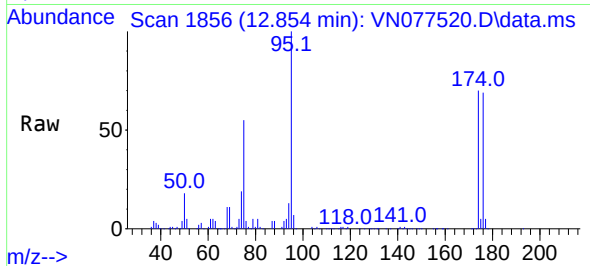
Tgt Ion: 75	Resp: 269601
Ion Ratio	Lower Upper
75 100	
77 1.1	84.5 253.5#



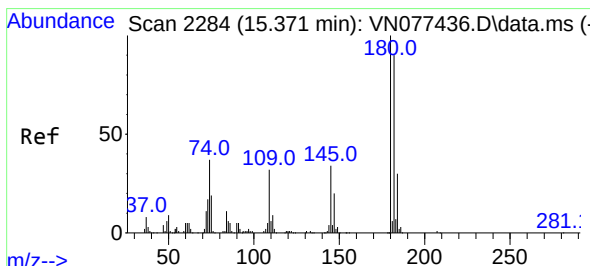
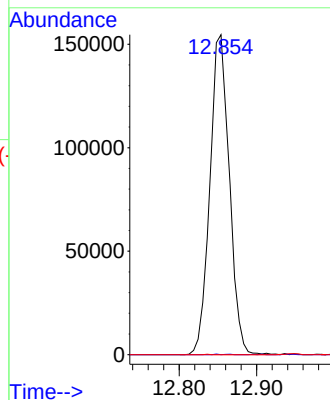
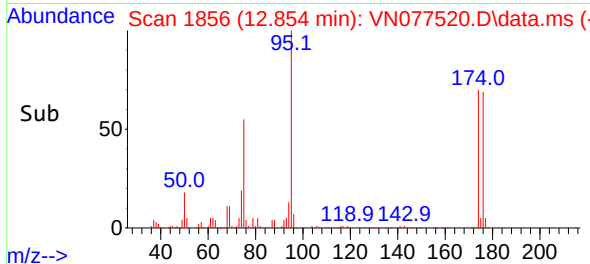


#81
trans-1,4-Dichloro-2-butene
Concen: 79.430 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

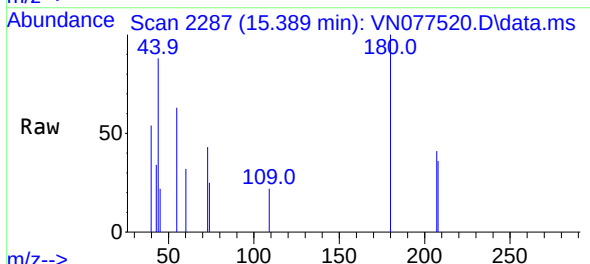
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04



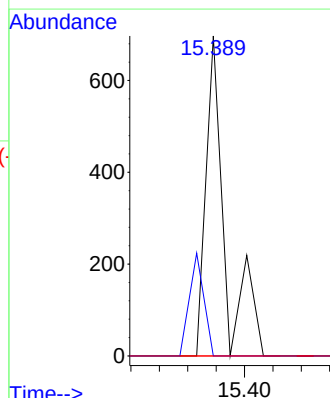
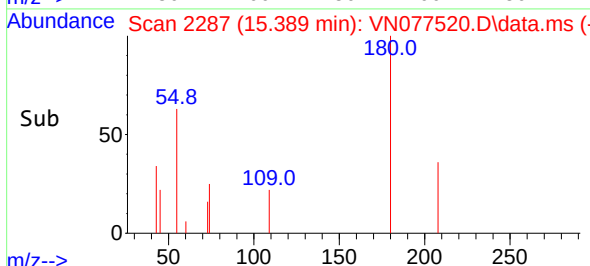
Tgt Ion: 75 Resp: 269601
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

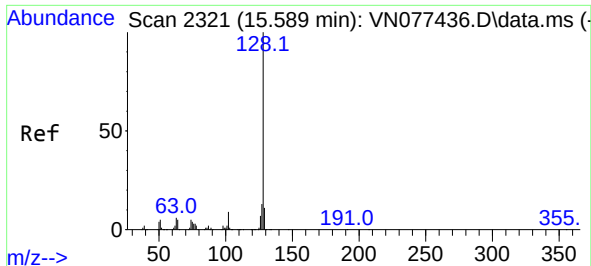


#93
1,2,4-Trichlorobenzene
Concen: 0.905 ug/l
RT: 15.389 min Scan# 2287
Delta R.T. 0.018 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40



Tgt Ion: 180 Resp: 323
Ion Ratio Lower Upper
180 100
182 24.5 46.1 138.2#
145 0.0 16.6 49.8#

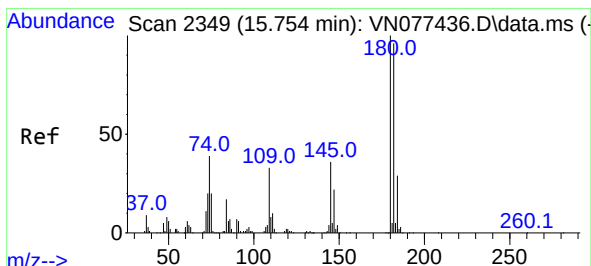
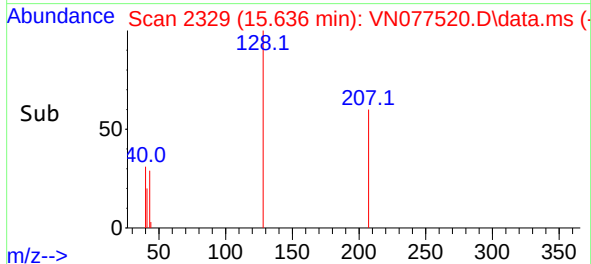
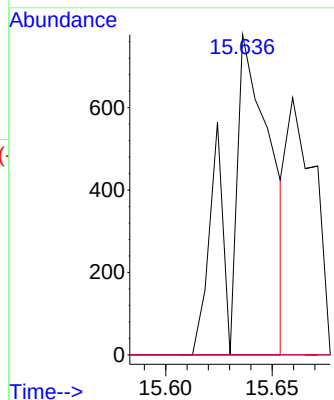
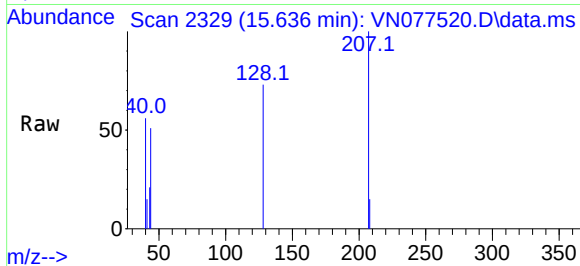




#95
Naphthalene
Concen: 1.240 ug/l
RT: 15.636 min Scan# 21
Delta R.T. 0.047 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#04

Tgt Ion:128 Resp: 1091
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.548 ug/l
RT: 15.836 min Scan# 2363
Delta R.T. 0.082 min
Lab File: VN077520.D
Acq: 29 Apr 2023 15:40

Tgt Ion:180 Resp: 205
Ion Ratio Lower Upper
180 100
182 60.0 46.2 138.6
145 0.0 17.5 52.6#

