

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077524.D
 Acq On : 29 Apr 2023 17:17
 Operator : JC\MD
 Sample : PB152434ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#08

Quant Time: May 01 01:24:58 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)

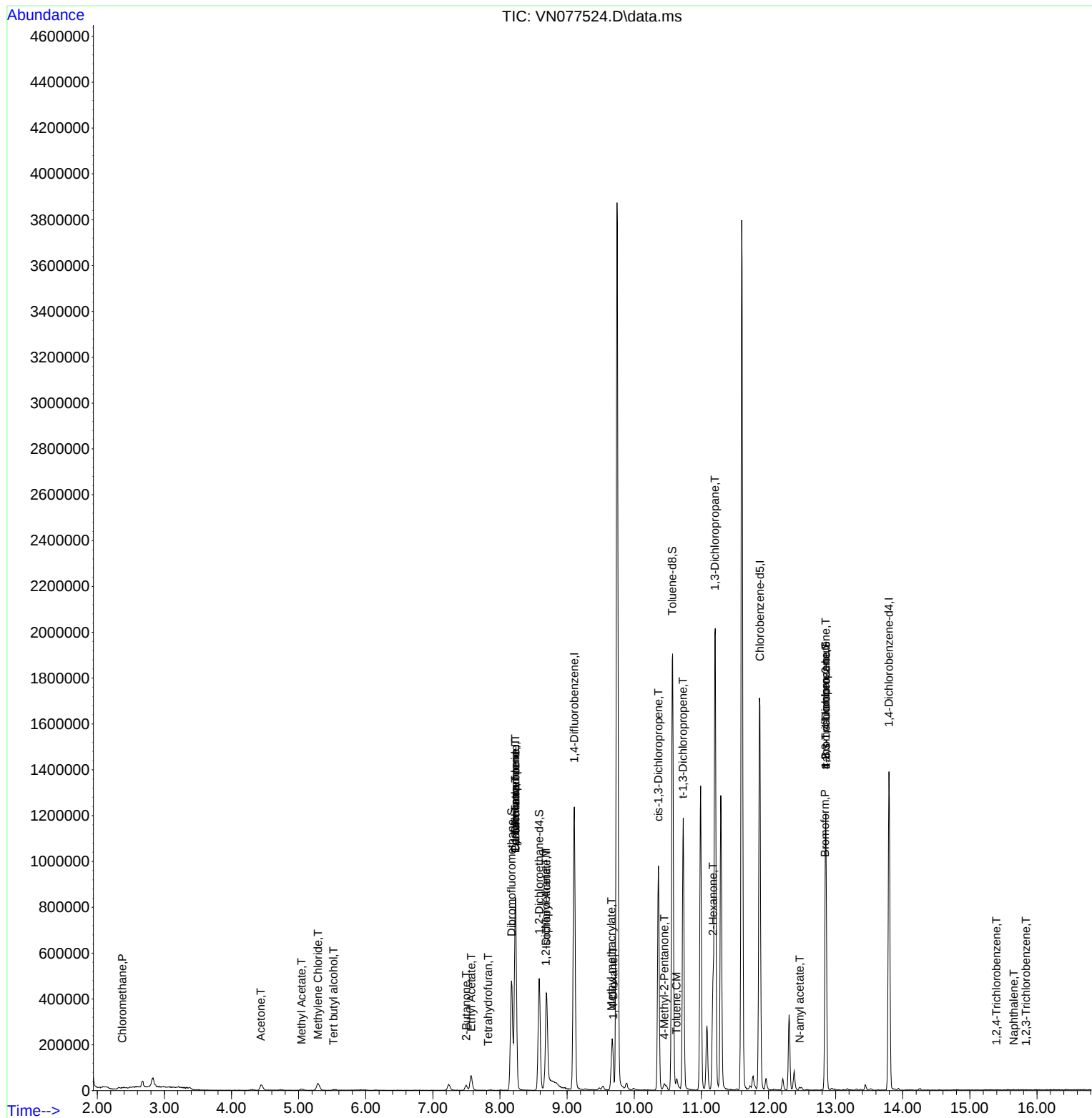
Internal Standards						
1) Pentafluorobenzene	8.231	168	591665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1132831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1052561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	379504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	400218	51.838	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.680%			
35) Dibromofluoromethane	8.172	113	350096	51.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	10.566	98	1404322	53.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.640%			
62) 4-Bromofluorobenzene	12.854	95	448812	52.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.140%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1254	0.211	ug/l #	42
11) Tert butyl alcohol	5.519	59	4209	3.396	ug/l #	87
16) Acetone	4.437	43	45520	18.533	ug/l	97
18) Methyl Acetate	5.043	43	10197	1.075	ug/l #	61
20) Methylene Chloride	5.290	84	25600	3.287	ug/l #	81
25) 2-Butanone	7.495	43	32848	9.429	ug/l #	80
29) Tetrahydrofuran	7.825	42	564	0.258	ug/l #	20
31) Cyclohexane	8.231	56	14724	1.346	ug/l #	42
36) 1,1-Dichloropropene	8.231	75	52000	5.286	ug/l #	48
37) Ethyl Acetate	7.572	43	90314	12.082	ug/l	97
38) Carbon Tetrachloride	8.231	117	65670	6.051	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	3731	0.362	ug/l #	73
43) Isopropyl Acetate	8.689	43	502835	38.885	ug/l #	85
48) Methyl methacrylate	9.660	41	12345	2.097	ug/l #	32
49) 1,4-Dioxane	9.689	88	118	0.799	ug/l #	30
51) 4-Methyl-2-Pentanone	10.448	43	16911	2.230	ug/l	95
52) Toluene	10.630	92	19956	1.017	ug/l	91
53) t-1,3-Dichloropropene	10.725	75	3643	0.327	ug/l	96
54) cis-1,3-Dichloropropene	10.360	75	204816	16.867	ug/l #	60
57) 1,3-Dichloropropane	11.201	76	25119	1.998	ug/l #	42
59) 2-Hexanone	11.172	43	338727	61.437	ug/l #	19
71) Bromoform	12.842	173	1239	0.234	ug/l #	28
74) N-amyl acetate	12.466	43	7984	0.766	ug/l #	46
76) 1,2,3-Trichloropropane	12.854	75	241260	27.338	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	241260	77.235	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.395	180	233	0.882	ug/l #	40
95) Naphthalene	15.654	128	953	1.235	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.836	180	83	0.506	ug/l #	12

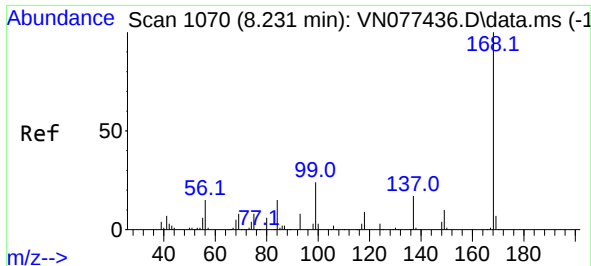
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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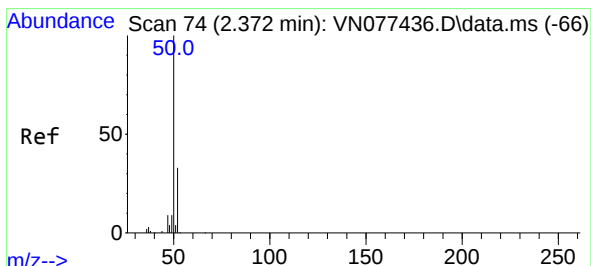
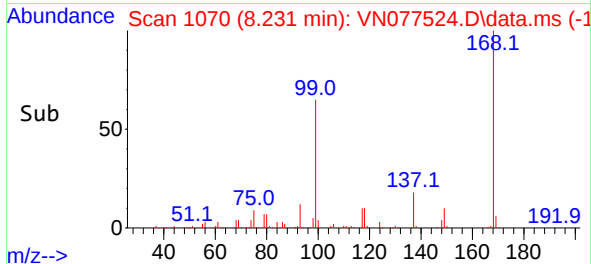
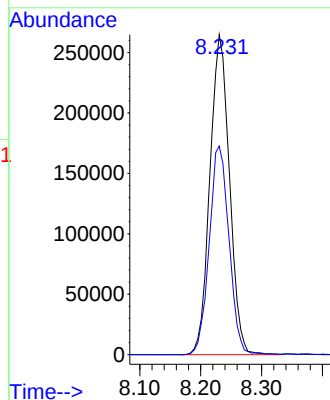
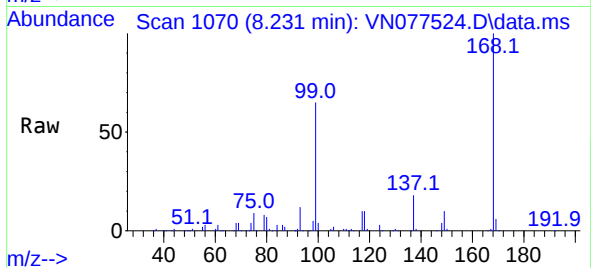




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

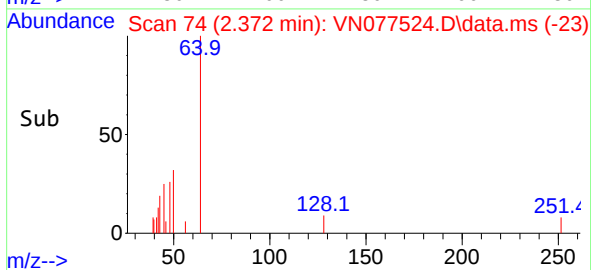
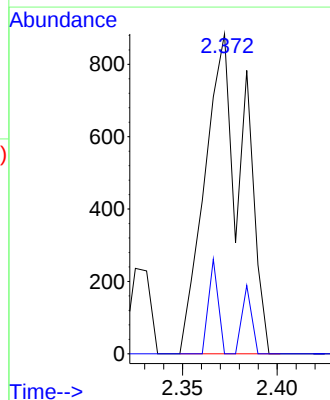
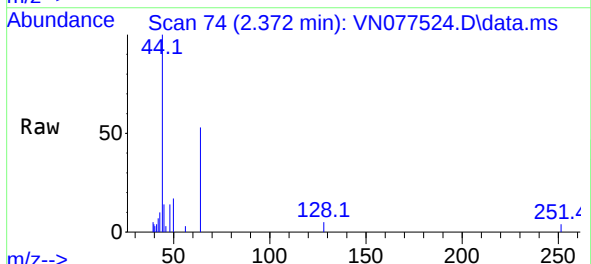
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

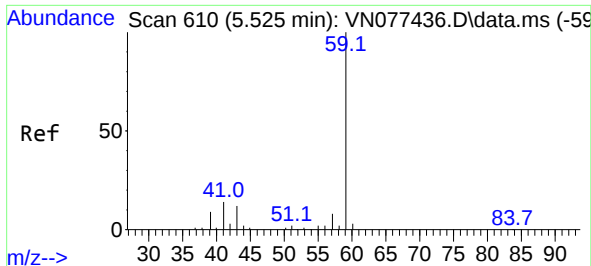
Tgt Ion:168 Resp: 591665
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 50 Resp: 1254
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

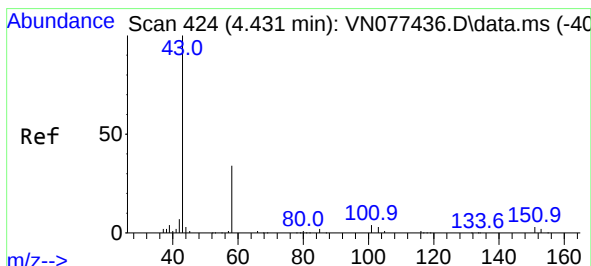
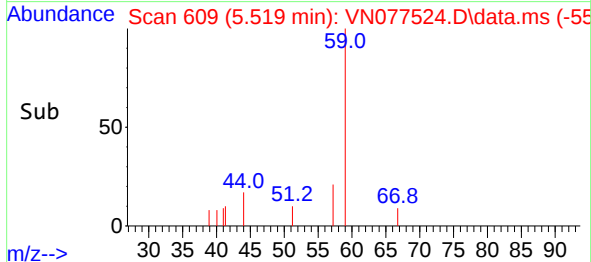
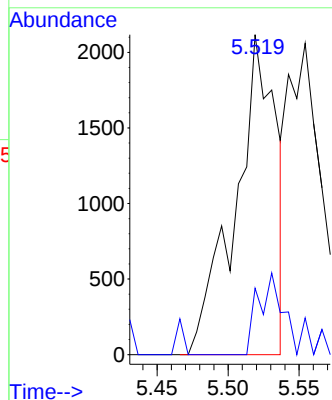
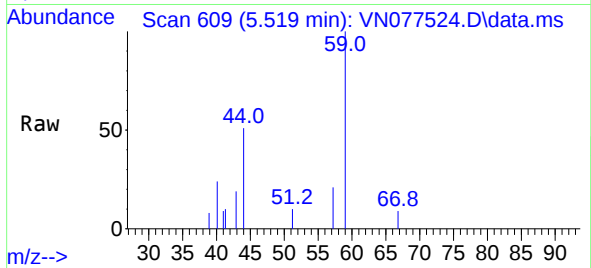




#11
Tert butyl alcohol
Concen: 3.396 ug/l
RT: 5.519 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

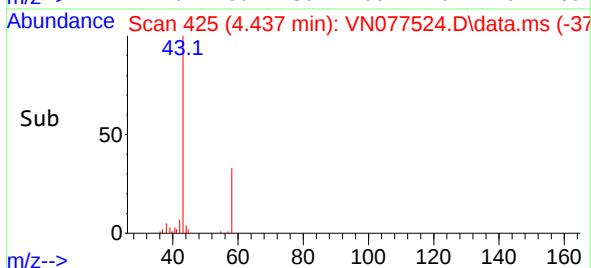
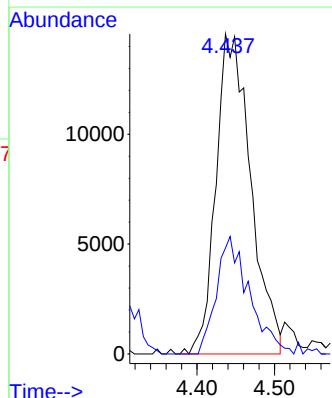
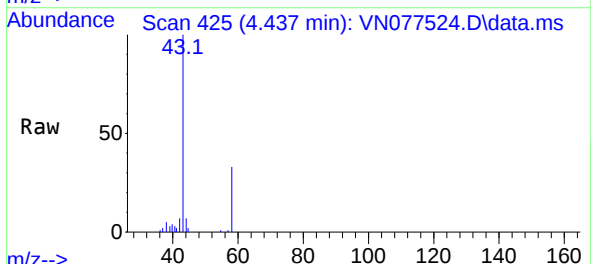
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

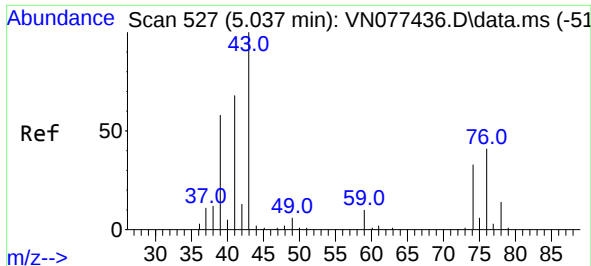
Tgt Ion: 59 Resp: 4209
Ion Ratio Lower Upper
59 100
57 15.1 8.2 12.4#



#16
Acetone
Concen: 18.533 ug/l
RT: 4.437 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 43 Resp: 45520
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0

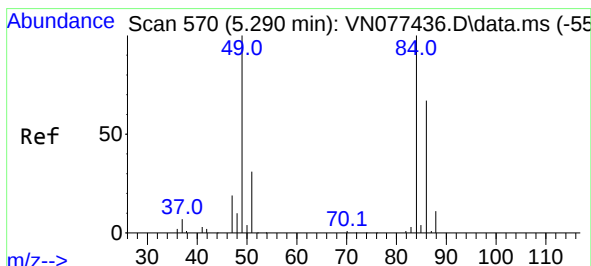
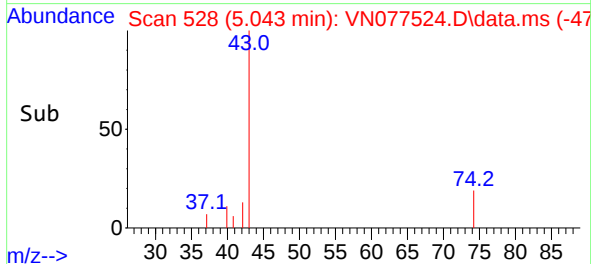
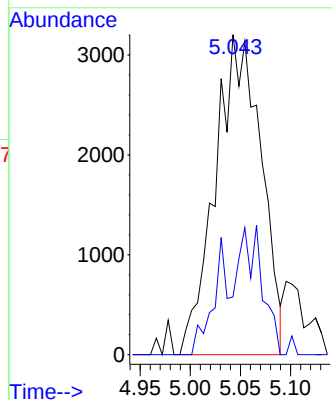
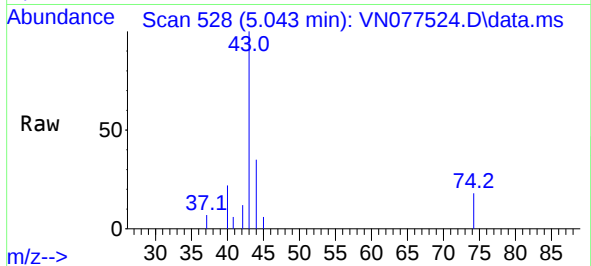




#18
Methyl Acetate
Concen: 1.075 ug/l
RT: 5.043 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

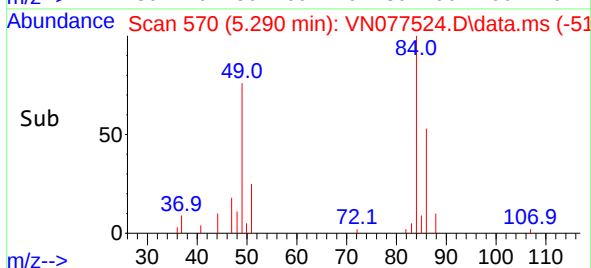
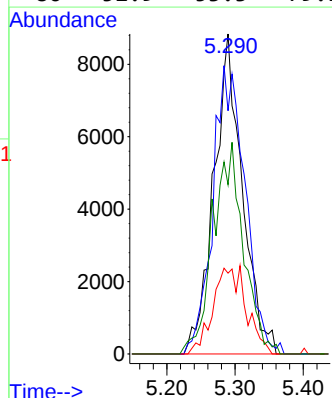
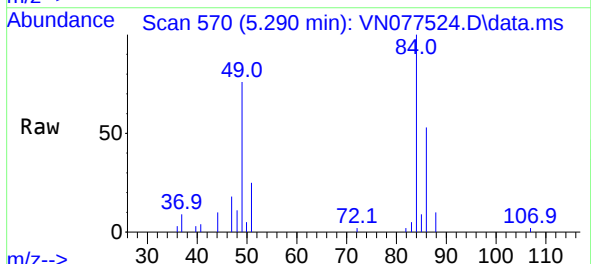
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

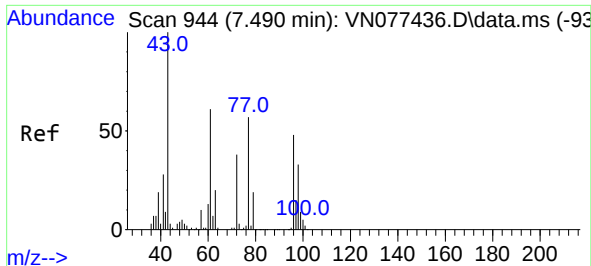
Tgt Ion: 43 Resp: 10197
Ion Ratio Lower Upper
43 100
74 10.8 26.2 39.4#



#20
Methylene Chloride
Concen: 3.287 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 84 Resp: 25600
Ion Ratio Lower Upper
84 100
49 76.0 79.7 119.5#
51 25.2 25.2 37.8
86 52.9 53.3 79.9#

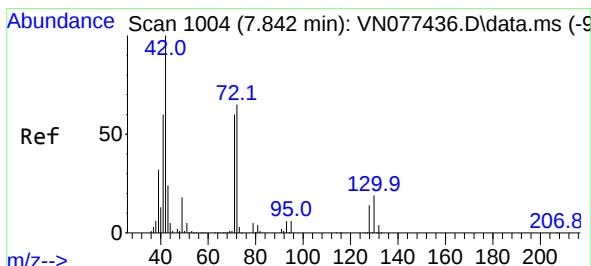
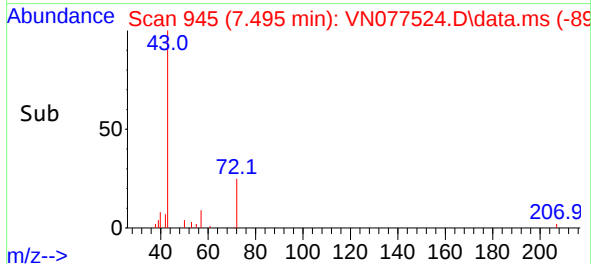
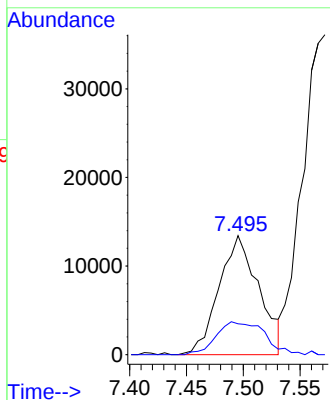
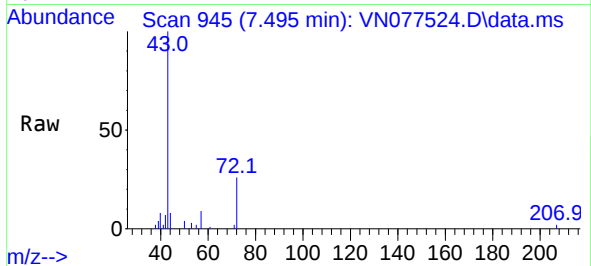




#25
2-Butanone
Concen: 9.429 ug/l
RT: 7.495 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

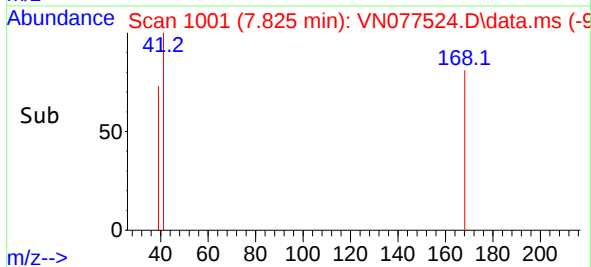
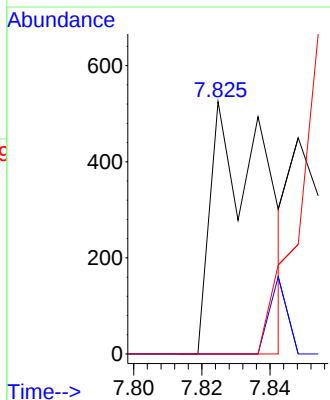
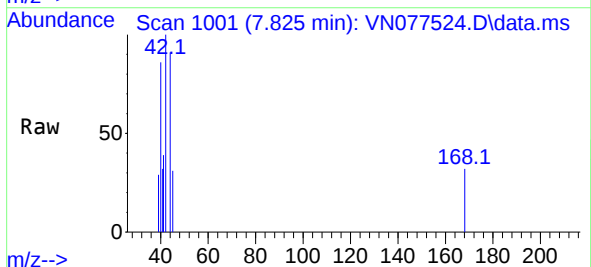
Instrument :
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ClientSampleId :
PB152434ZHE#08

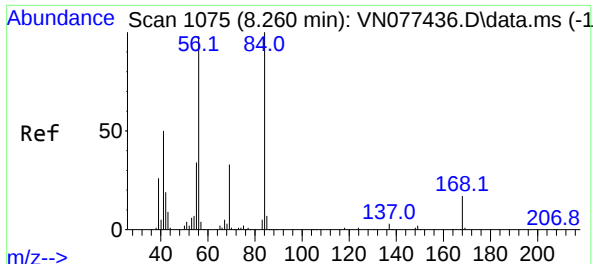
Tgt Ion: 43 Resp: 32848
Ion Ratio Lower Upper
43 100
72 26.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.258 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. -0.018 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 42 Resp: 564
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: 1.346 ug/l

RT: 8.231 min Scan# 1075

Delta R.T. -0.029 min

Lab File: VN077524.D

Acq: 29 Apr 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#08

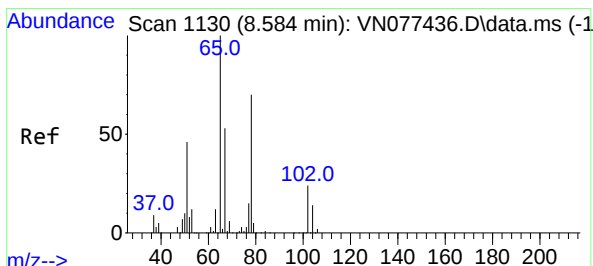
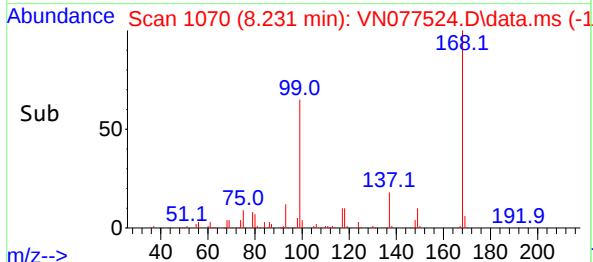
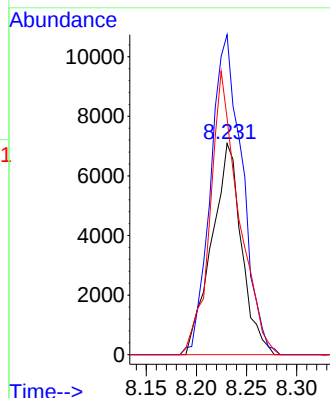
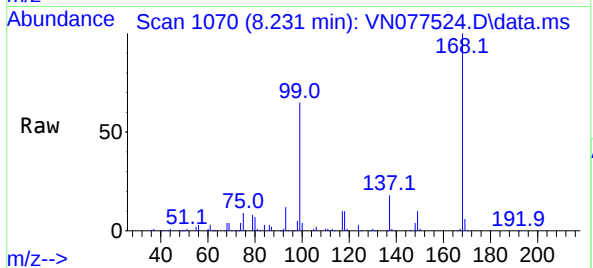
Tgt Ion: 56 Resp: 14724

Ion Ratio Lower Upper

56 100

69 151.6 26.8 40.2#

84 112.0 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 51.838 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077524.D

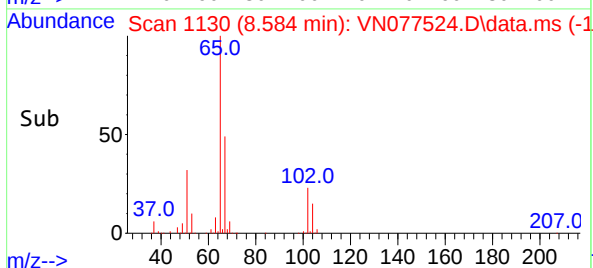
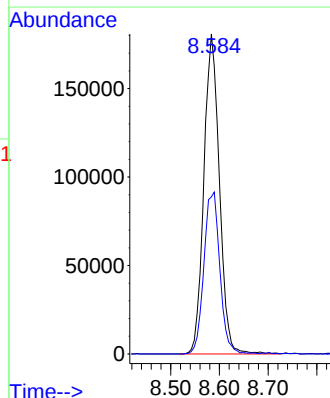
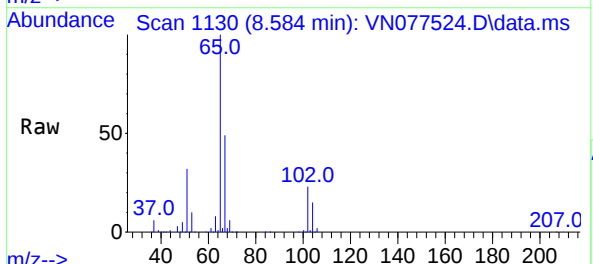
Acq: 29 Apr 2023 17:17

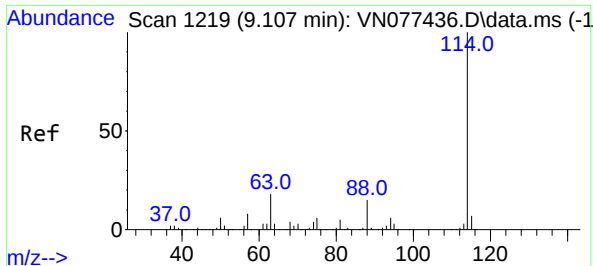
Tgt Ion: 65 Resp: 400218

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6

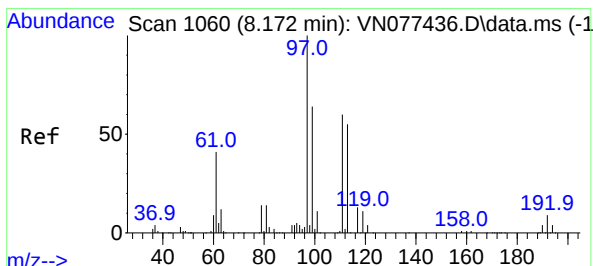
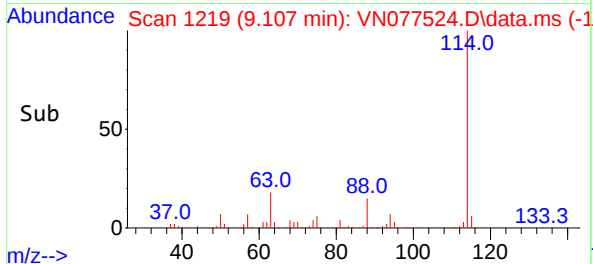
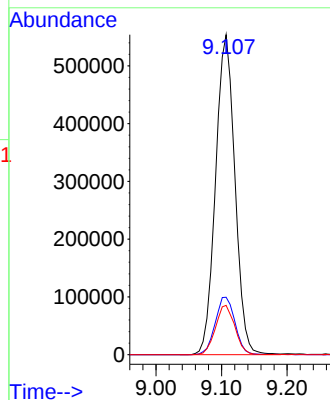
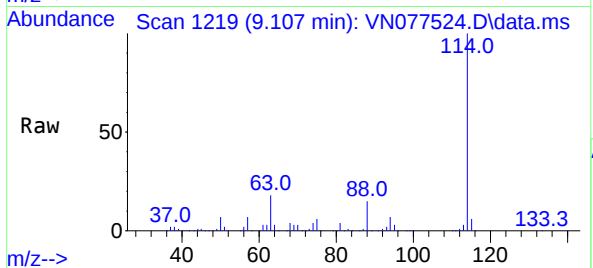




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

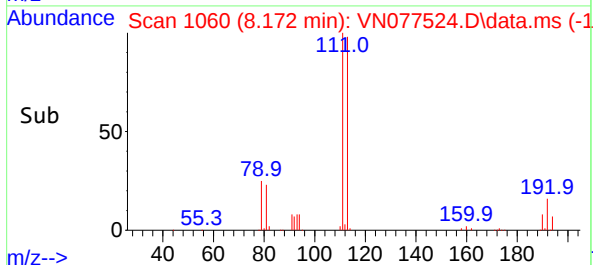
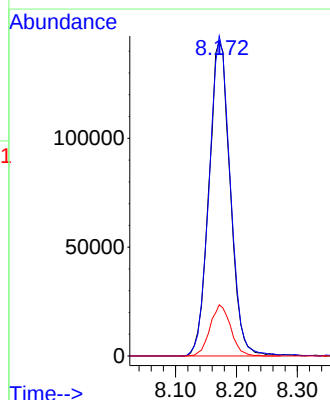
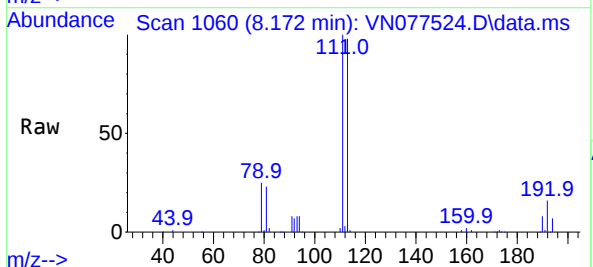
Instrument :
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PB152434ZHE#08

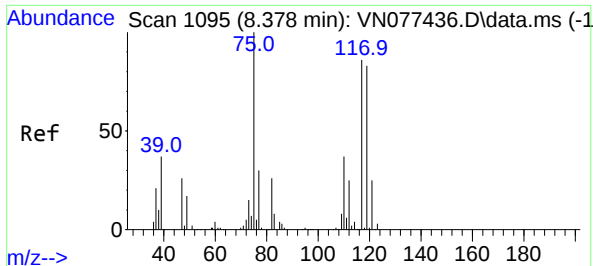
Tgt Ion:114 Resp: 1132831
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.418 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion:113 Resp: 350096
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 15.8 12.7 19.1

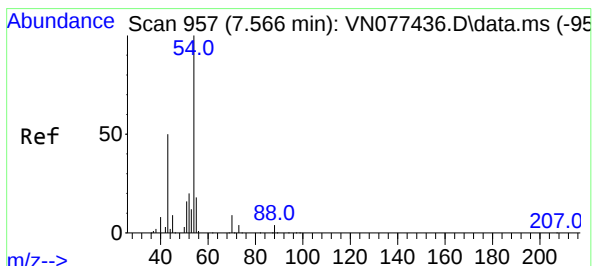
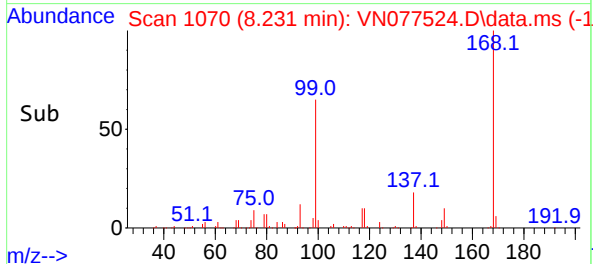
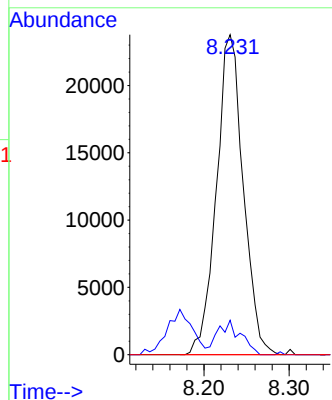
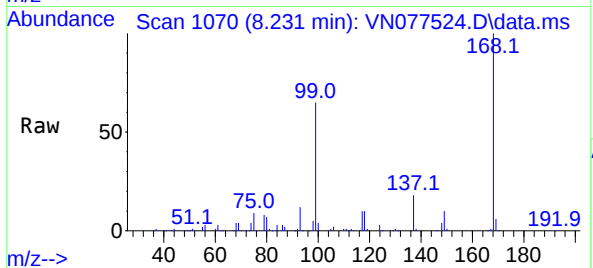




#36
1,1-Dichloropropene
Concen: 5.286 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

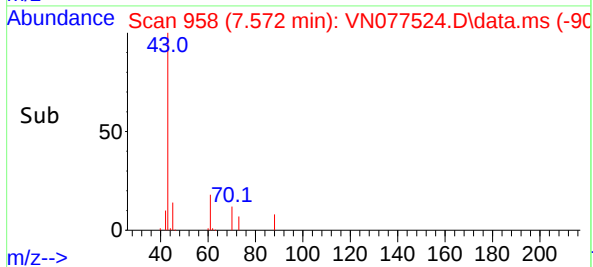
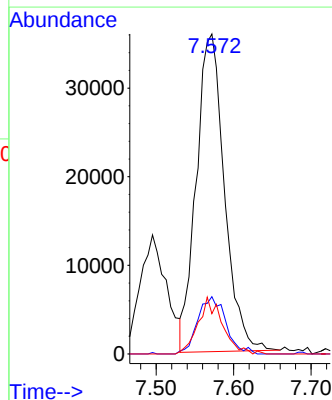
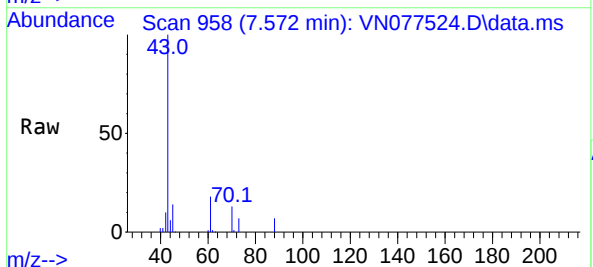
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

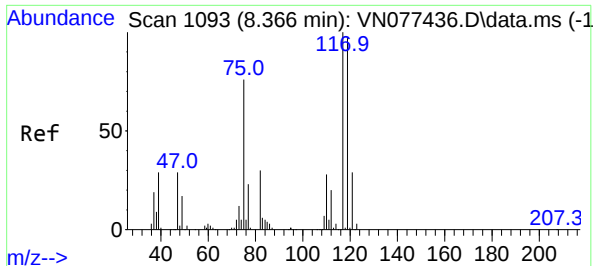
Tgt Ion: 75 Resp: 52000
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 12.082 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

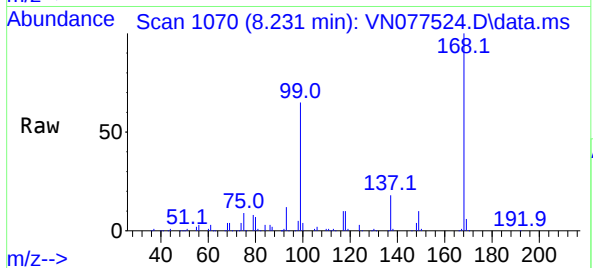
Tgt Ion: 43 Resp: 90314
Ion Ratio Lower Upper
43 100
61 18.0 13.2 19.8
70 15.3 11.3 16.9



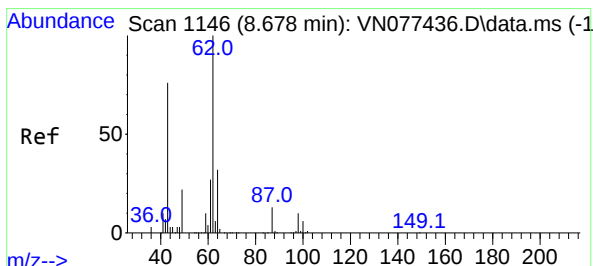
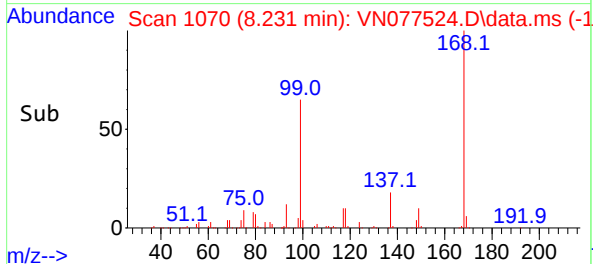
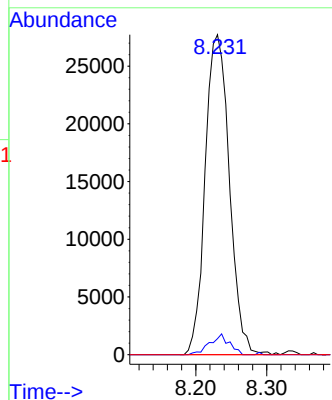


#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

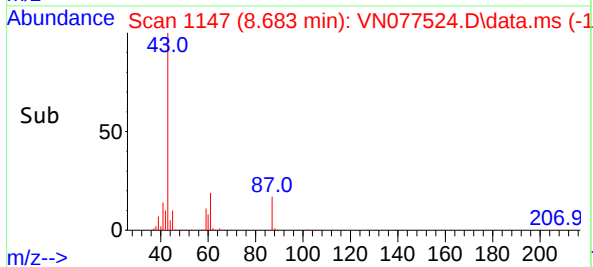
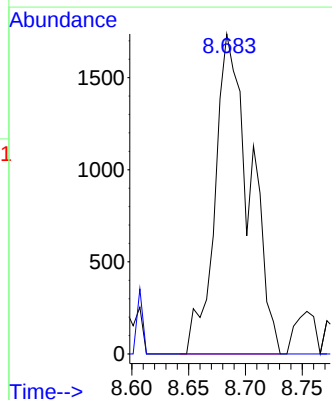
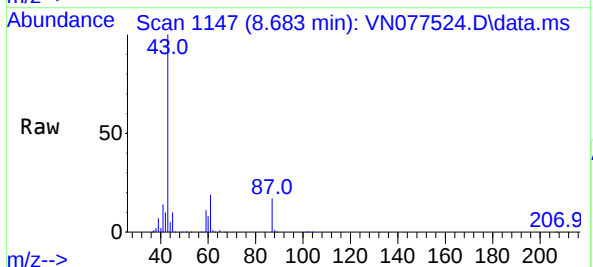


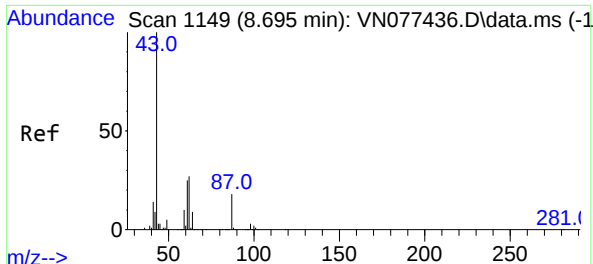
Tgt Ion:117 Resp: 65670
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.362 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 62 Resp: 3731
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

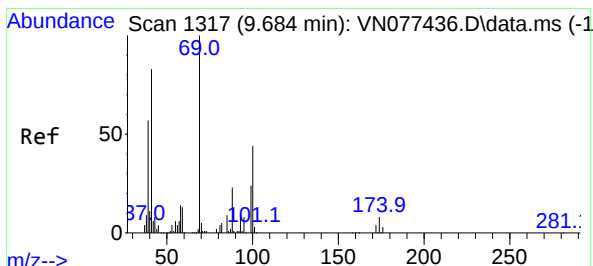
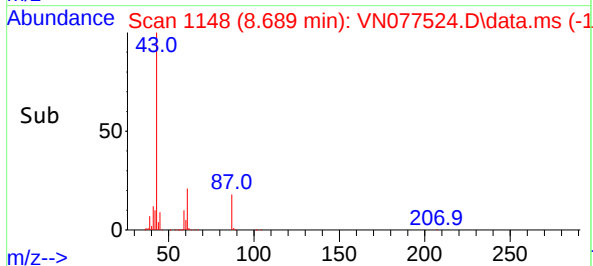
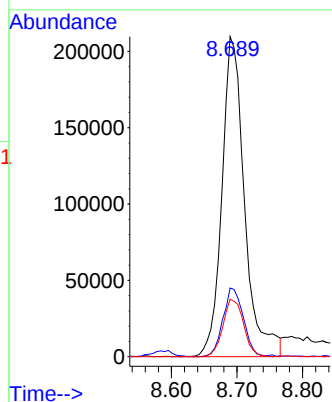
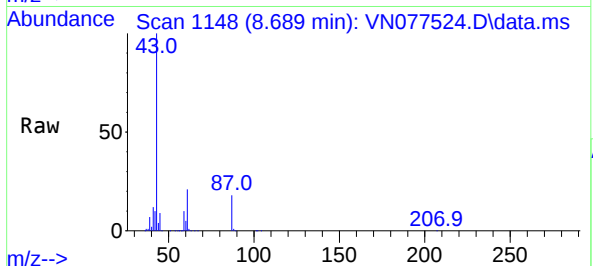




#43
Isopropyl Acetate
Concen: 38.885 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

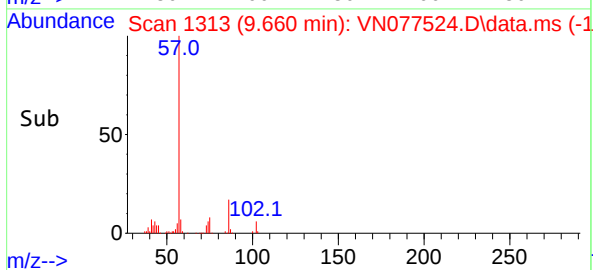
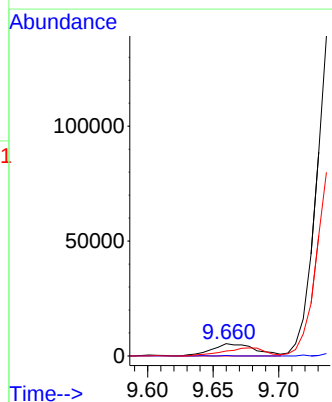
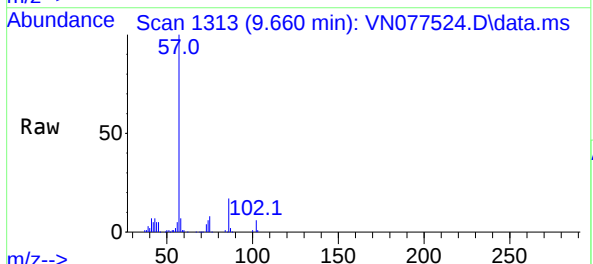
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

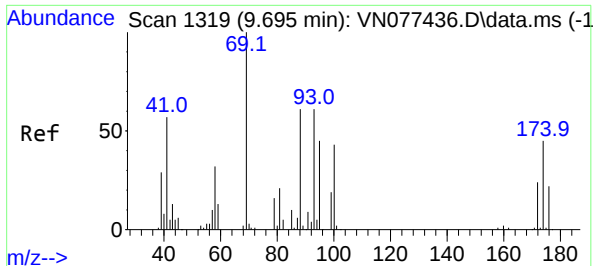
Tgt Ion: 43 Resp: 502835
Ion Ratio Lower Upper
43 100
61 19.2 24.7 37.1#
87 16.3 14.6 21.8



#48
Methyl methacrylate
Concen: 2.097 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.024 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 41 Resp: 12345
Ion Ratio Lower Upper
41 100
69 0.6 90.4 135.6#
39 63.0 54.6 81.8

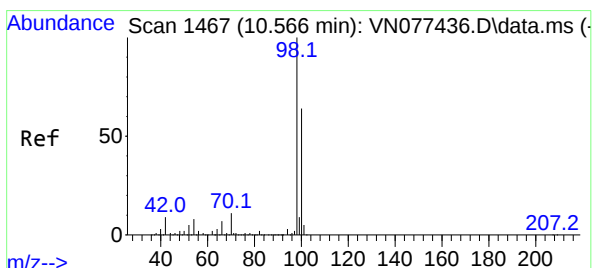
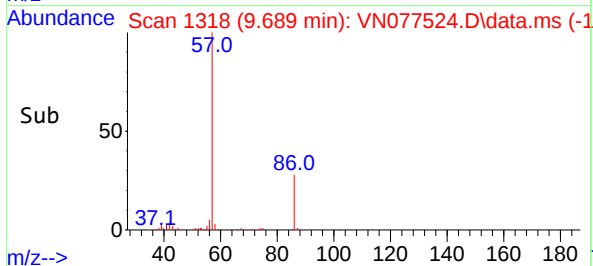
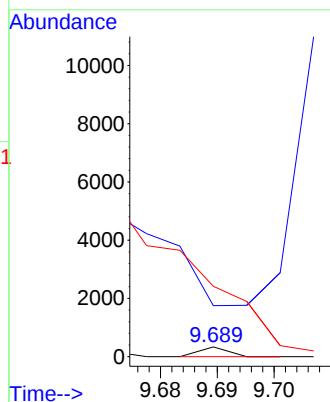
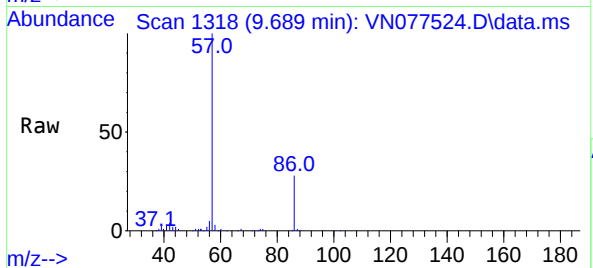




#49
1,4-Dioxane
Concen: 0.799 ug/l
RT: 9.689 min Scan# 118
Delta R.T. -0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

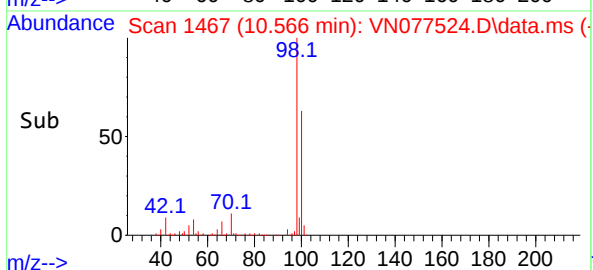
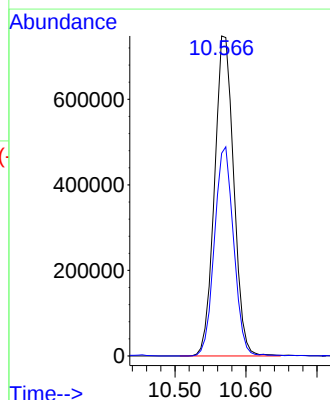
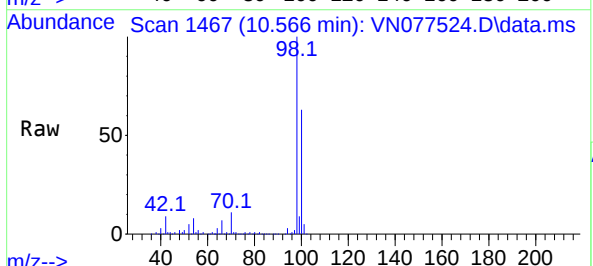
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

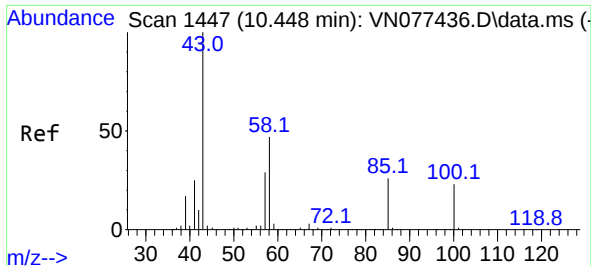
Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 53.815 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 98 Resp: 1404322
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

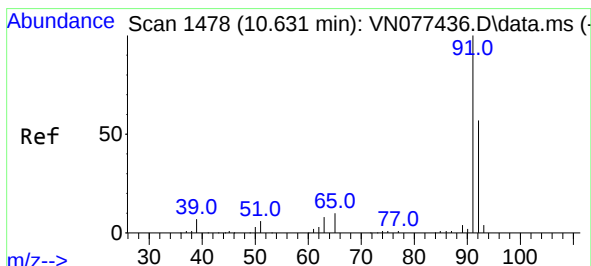
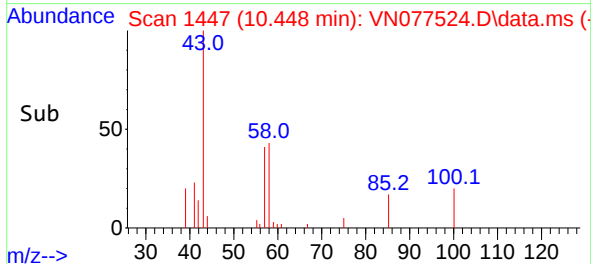
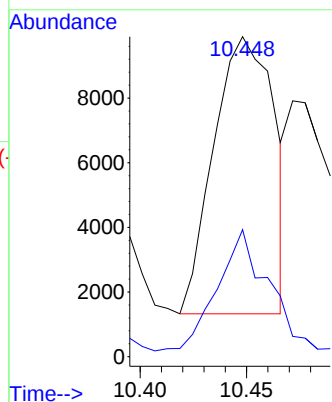
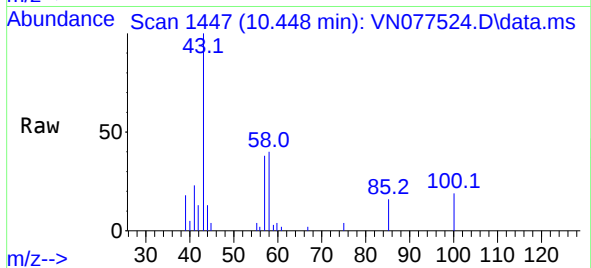




#51
4-Methyl-2-Pentanone
Concen: 2.230 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

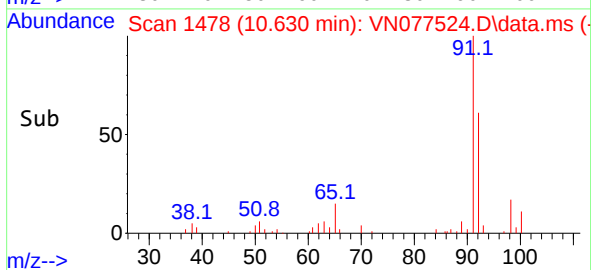
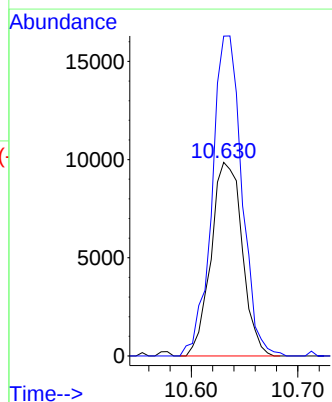
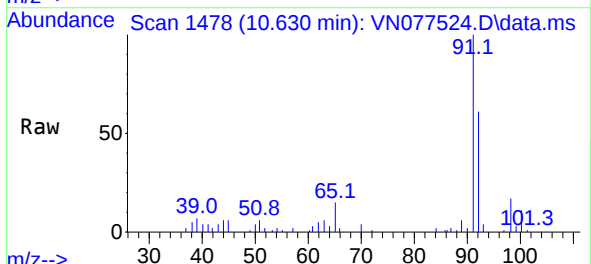
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

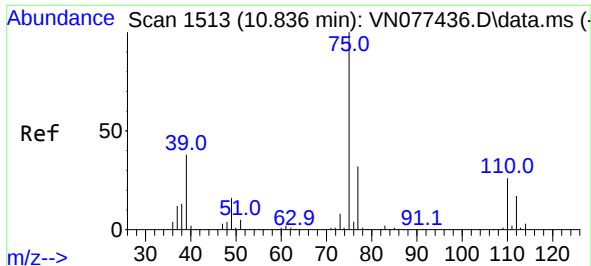
Tgt Ion: 43 Resp: 16911
Ion Ratio Lower Upper
43 100
58 42.7 36.6 54.8



#52
Toluene
Concen: 1.017 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 92 Resp: 19956
Ion Ratio Lower Upper
92 100
91 159.1 137.4 206.0

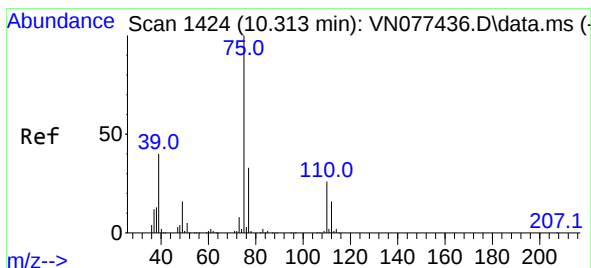
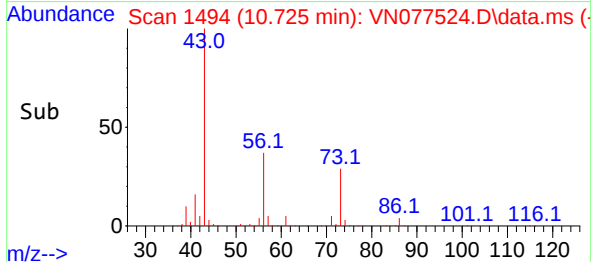
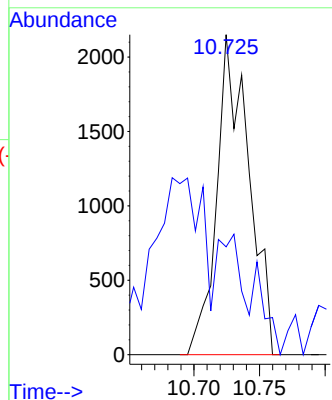
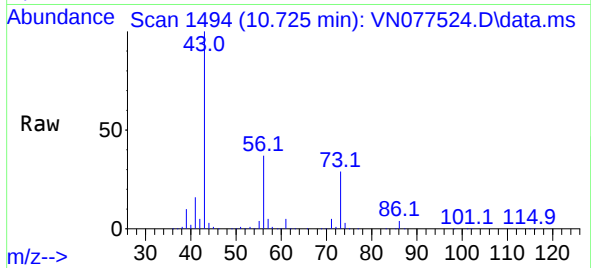




#53
t-1,3-Dichloropropene
Concen: 0.327 ug/l
RT: 10.725 min Scan# 1494
Delta R.T. -0.112 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

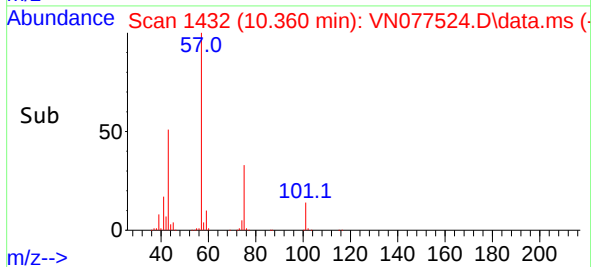
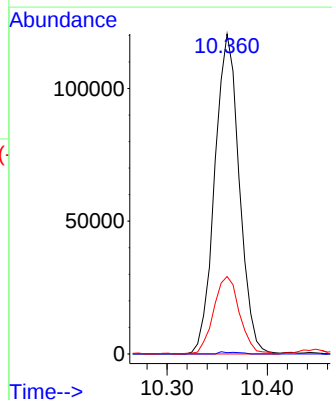
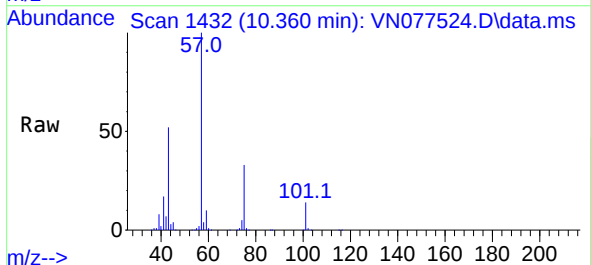
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

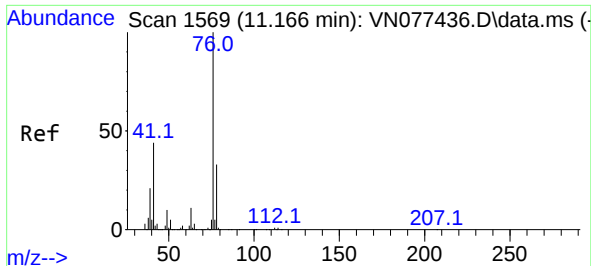
Tgt Ion: 75 Resp: 3643
Ion Ratio Lower Upper
75 100
77 33.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 16.867 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 75 Resp: 204816
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 24.2 31.6 47.4#

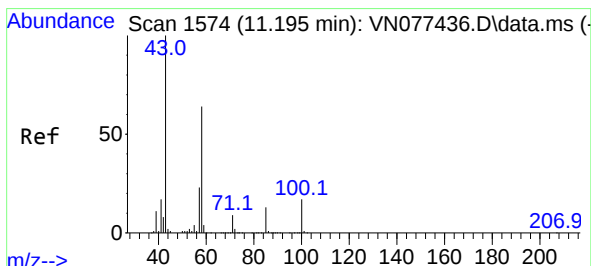
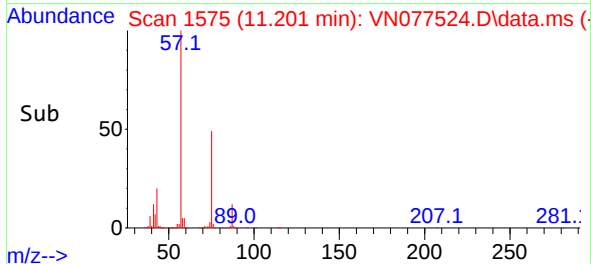
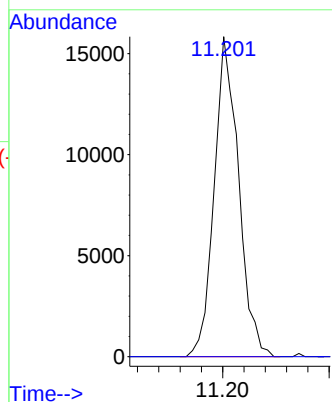
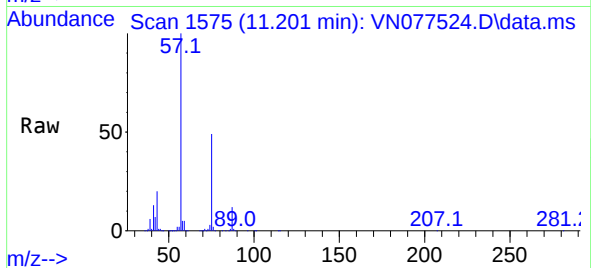




#57
1,3-Dichloropropane
Concen: 1.998 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

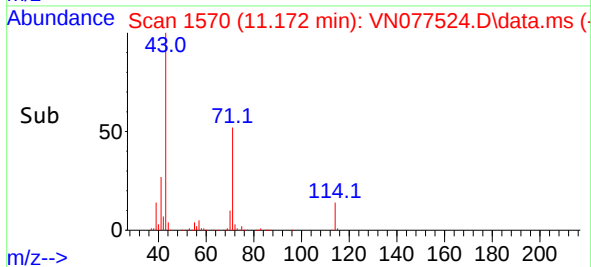
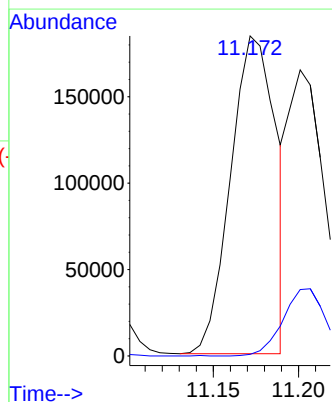
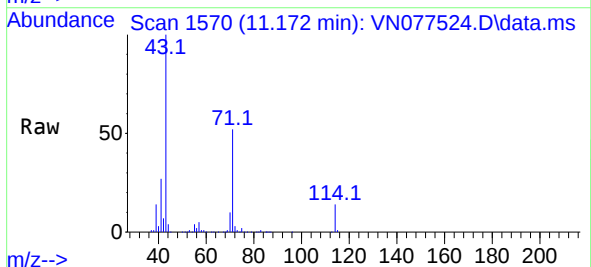
Instrument :
MSVOA_N
ClientSampleId :
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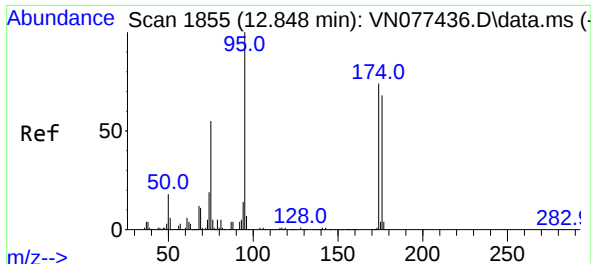
Tgt Ion: 76 Resp: 25119
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 61.437 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 43 Resp: 338727
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

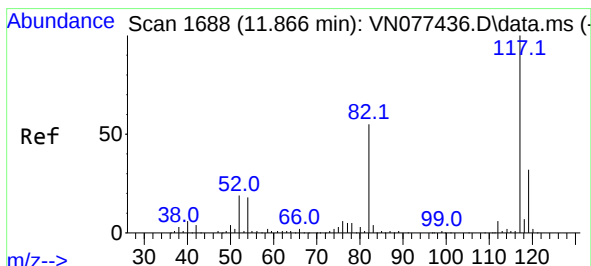
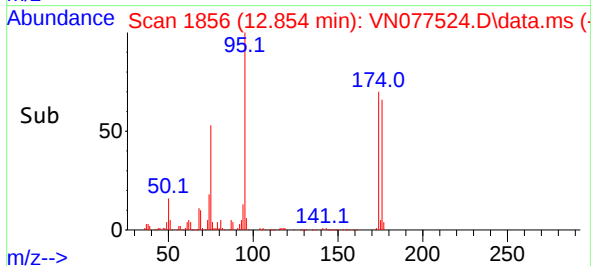
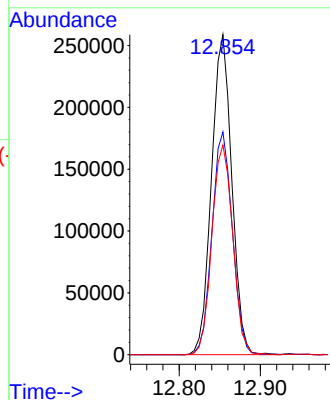
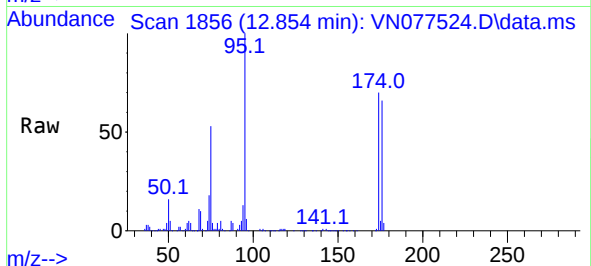




#62
4-Bromofluorobenzene
Concen: 52.568 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

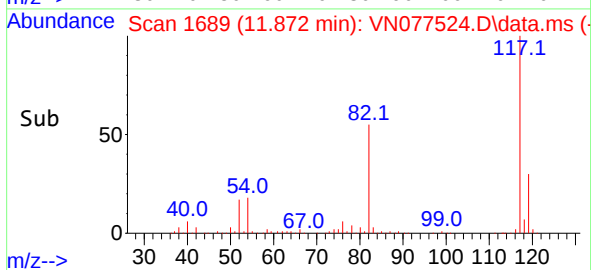
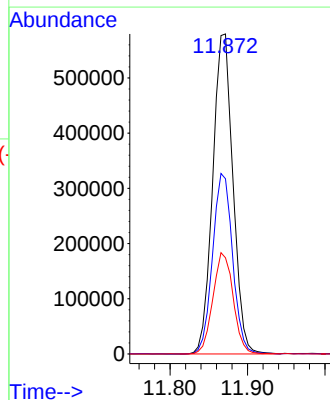
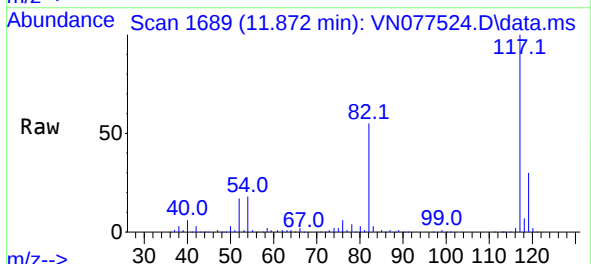
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

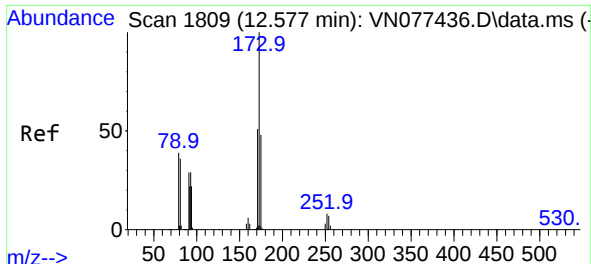
Tgt Ion: 95 Resp: 448812
Ion Ratio Lower Upper
95 100
174 70.1 0.0 143.8
176 67.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion: 117 Resp: 1052561
Ion Ratio Lower Upper
117 100
82 54.8 44.0 66.0
119 30.1 25.6 38.4

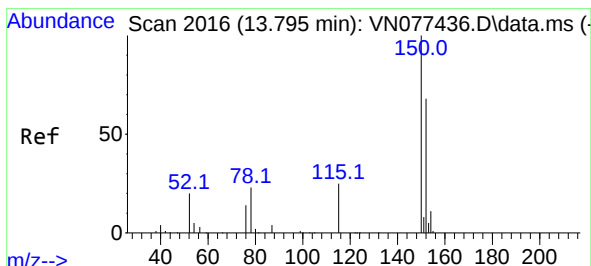
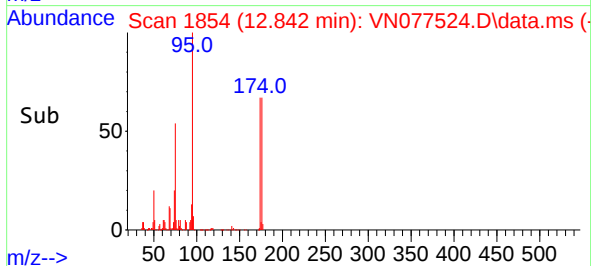
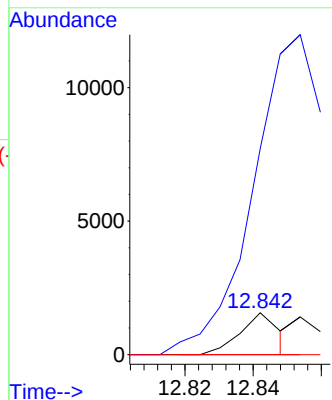
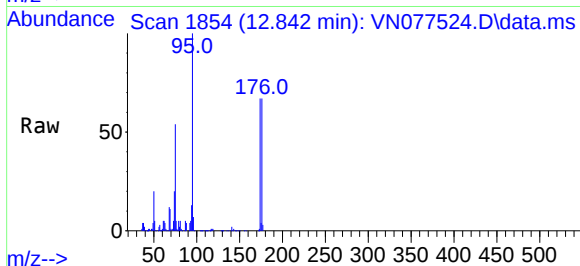




#71
Bromoform
Concen: 0.234 ug/l
RT: 12.842 min Scan# 1854
Delta R.T. 0.265 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

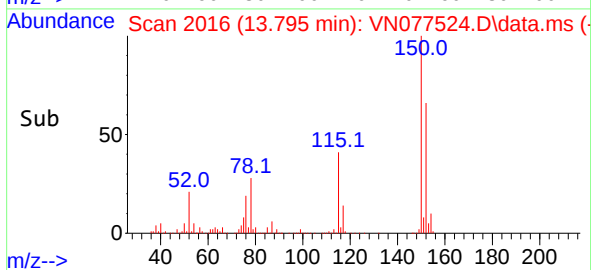
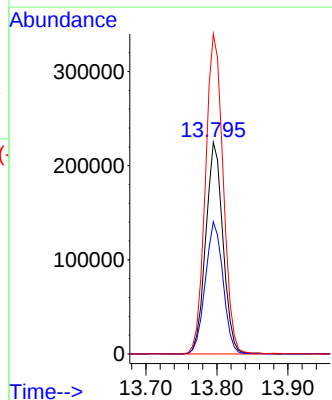
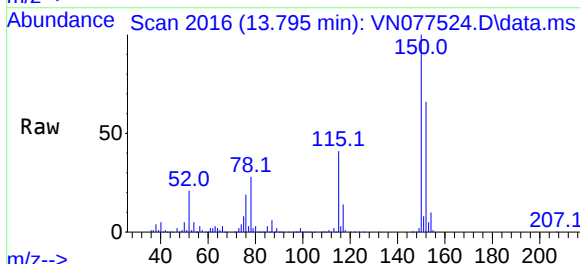
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

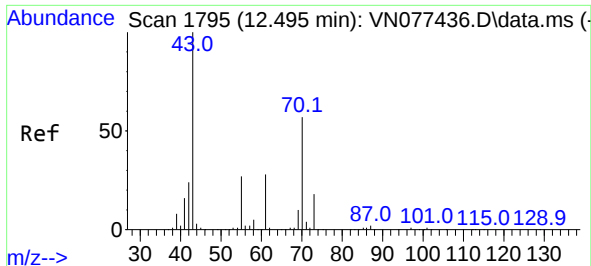
Tgt Ion:173 Resp: 1239
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion:152 Resp: 379504
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 155.5 0.0 355.8

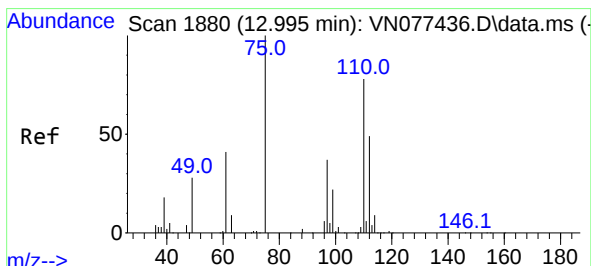
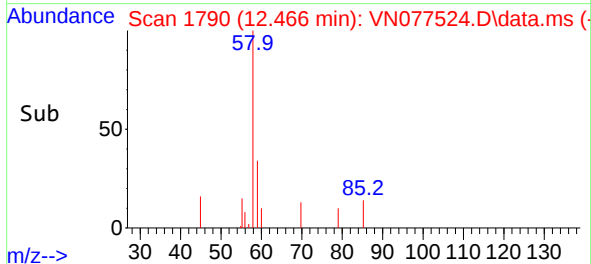
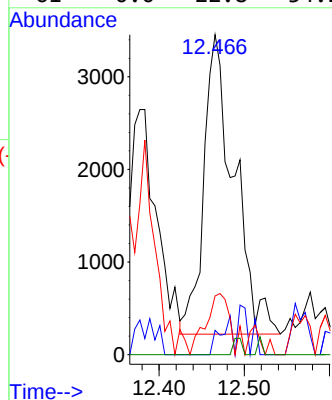
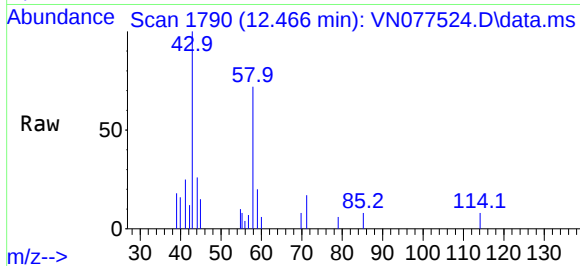




#74
N-amy1 acetate
Concen: 0.766 ug/l
RT: 12.466 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

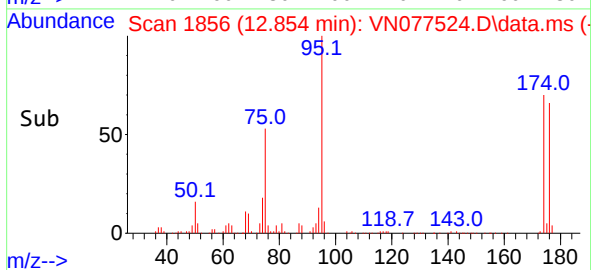
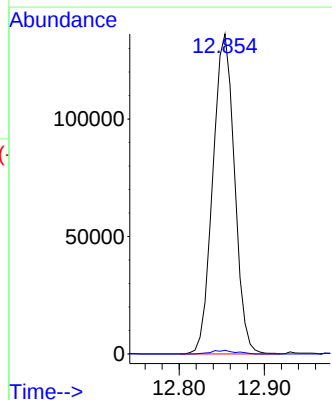
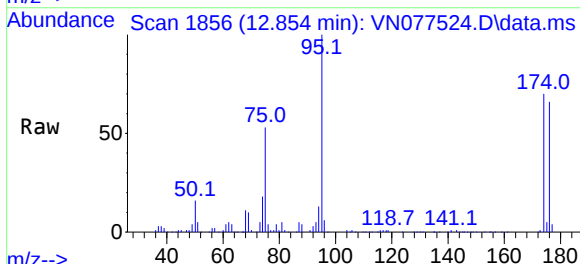
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

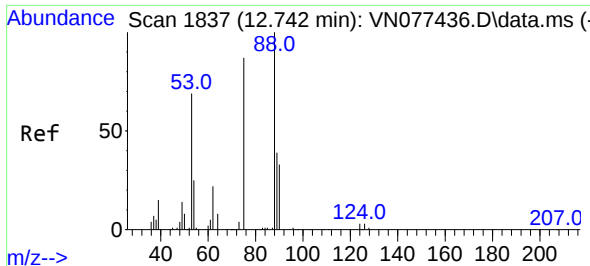
Tgt Ion:	43	Resp:	7984
Ion	Ratio	Lower	Upper
43	100		
70	4.9	43.4	65.2#
55	15.3	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 27.338 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion:	75	Resp:	241260
Ion	Ratio	Lower	Upper
75	100		
77	1.3	84.5	253.5#

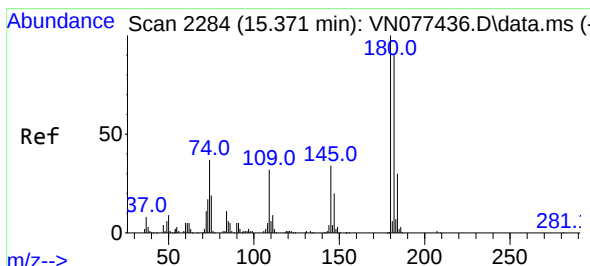
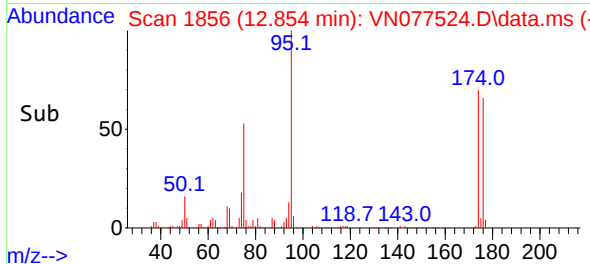
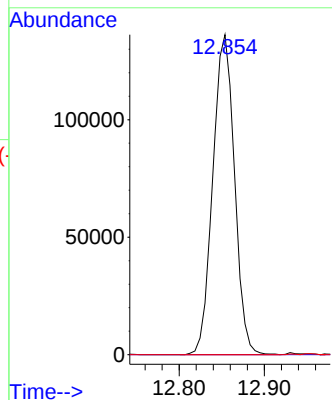
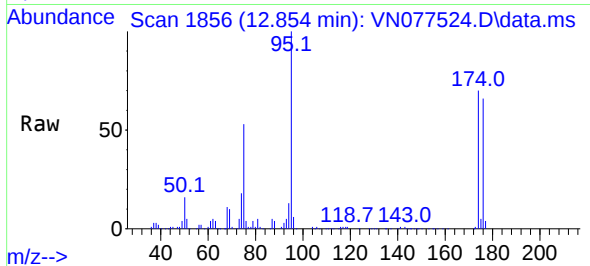




#81
trans-1,4-Dichloro-2-butene
Concen: 77.235 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

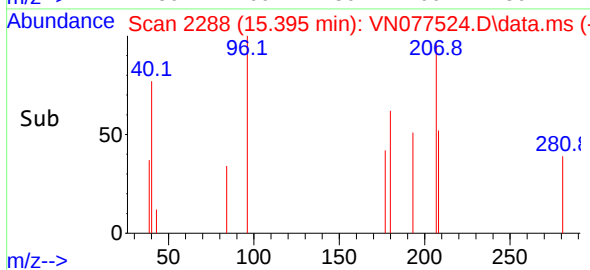
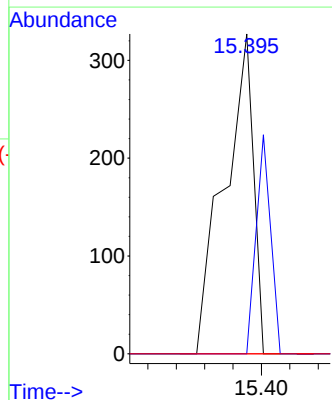
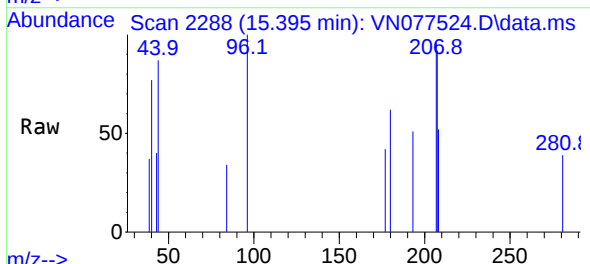
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

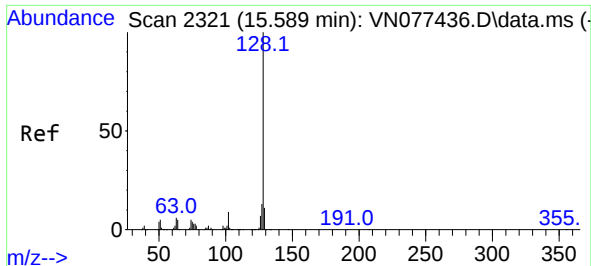
Tgt Ion: 75 Resp: 241260
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.882 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. 0.024 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion:180 Resp: 233
Ion Ratio Lower Upper
180 100
182 33.9 46.1 138.2#
145 0.0 16.6 49.8#

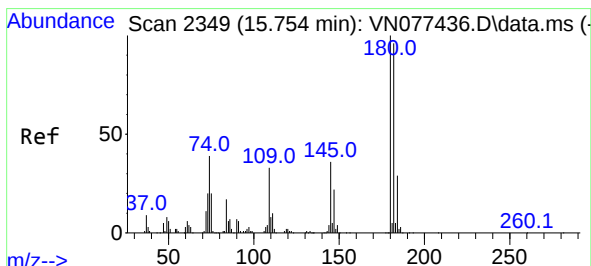
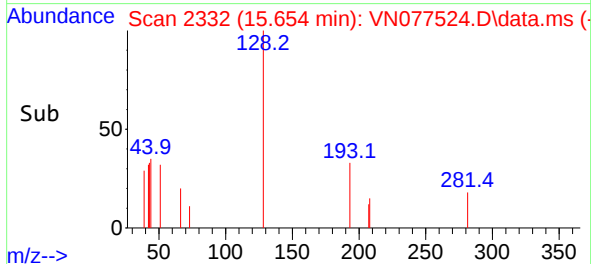
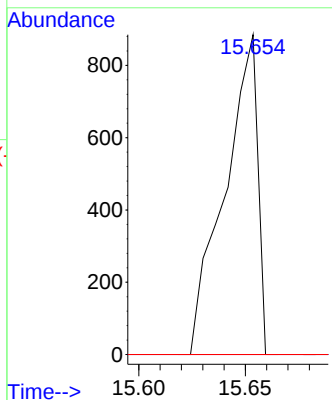
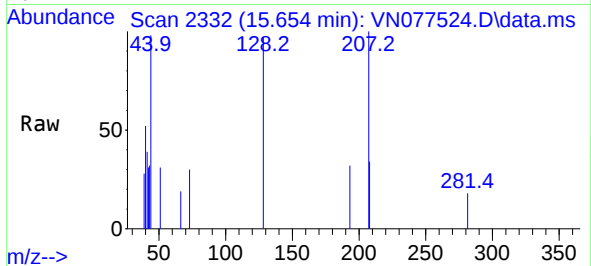




#95
Naphthalene
Concen: 1.235 ug/l
RT: 15.654 min Scan# 21
Delta R.T. 0.065 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#08

Tgt Ion:128 Resp: 953
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: 0.506 ug/l
RT: 15.836 min Scan# 2363
Delta R.T. 0.082 min
Lab File: VN077524.D
Acq: 29 Apr 2023 17:17

Tgt Ion:180 Resp: 83
Ion Ratio Lower Upper
180 100
182 0.0 46.2 138.6#
145 73.5 17.5 52.6#

