

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077405.D
 Acq On : 20 Apr 2023 17:11
 Operator : JC\MD
 Sample : 02390-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-2WC-23-04-17

Quant Time: Apr 21 02:40:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

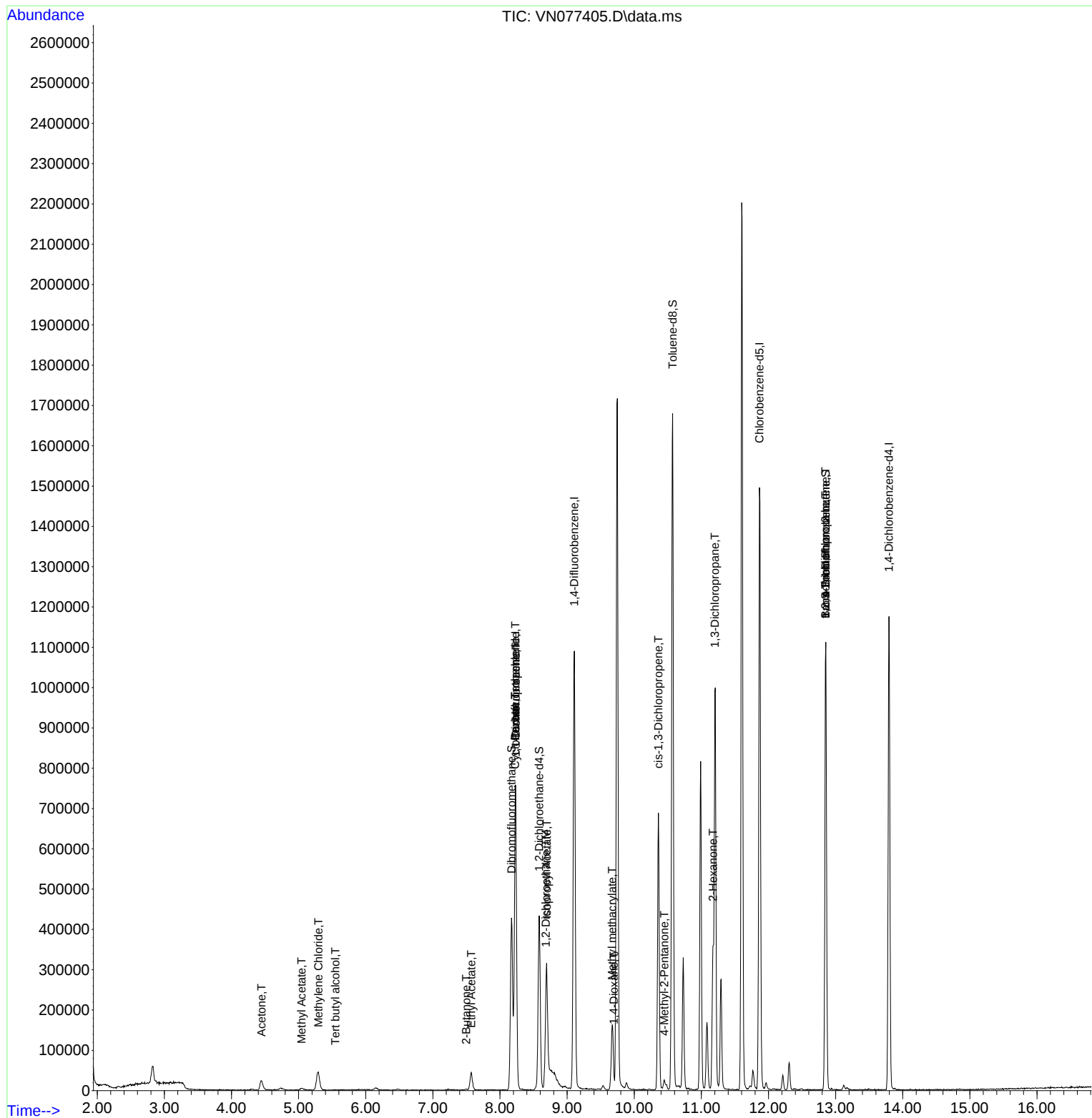
Internal Standards						
1) Pentafluorobenzene	8.231	168	536526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	991502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	902543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	329986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	337482	46.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.040%		
35) Dibromofluoromethane	8.172	113	303669	47.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.680%		
50) Toluene-d8	10.572	98	1228682	48.085	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.180%		
62) 4-Bromofluorobenzene	12.854	95	397085	46.725	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.460%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.549	59	539	0.360	ug/l #	72
16) Acetone	4.449	43	44686	16.528	ug/l	96
18) Methyl Acetate	5.043	43	9579	0.930	ug/l #	70
20) Methylene Chloride	5.296	84	39309	5.148	ug/l	94
25) 2-Butanone	7.495	43	3226	0.735	ug/l #	84
31) Cyclohexane	8.225	56	13061	1.146	ug/l #	60
36) 1,1-Dichloropropene	8.237	75	46149	4.916	ug/l #	51
37) Ethyl Acetate	7.572	43	61048	7.268	ug/l	94
38) Carbon Tetrachloride	8.231	117	59452	6.181	ug/l #	17
42) 1,2-Dichloroethane	8.684	62	4082	0.453	ug/l #	73
43) Isopropyl Acetate	8.695	43	380123	24.526	ug/l #	85
48) Methyl methacrylate	9.672	41	8599	1.301	ug/l #	34
49) 1,4-Dioxane	9.695	88	89	0.555	ug/l #	28
51) 4-Methyl-2-Pentanone	10.448	43	22150	2.473	ug/l #	77
54) cis-1,3-Dichloropropene	10.360	75	139741	11.536	ug/l #	65
57) 1,3-Dichloropropane	11.201	76	11904	0.958	ug/l #	43
59) 2-Hexanone	11.172	43	379125	56.805	ug/l #	20
71) Bromoform	12.848	173	2067	0.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	216727	27.581	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	216727	62.066	ug/l #	13

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

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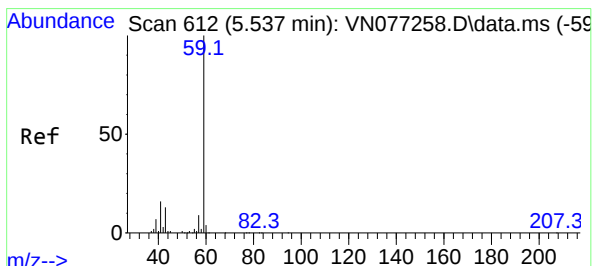
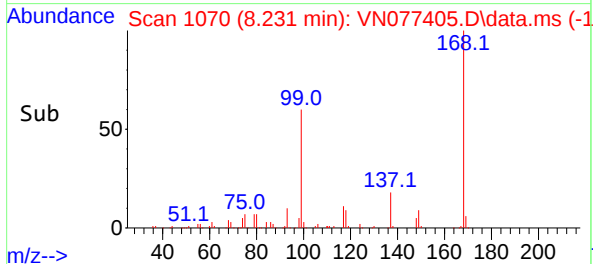
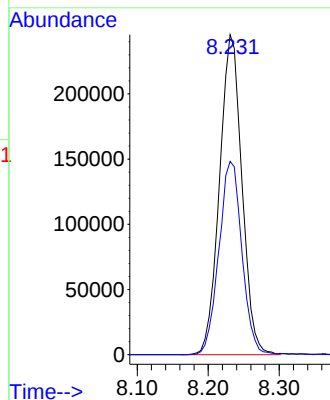
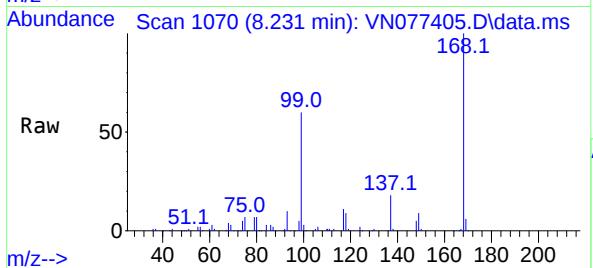




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

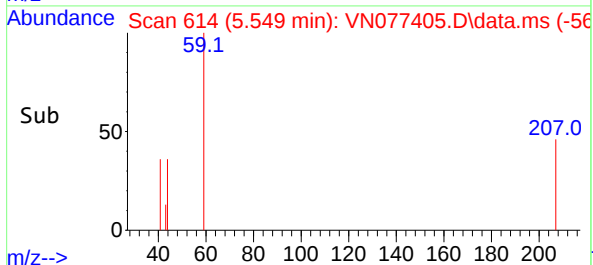
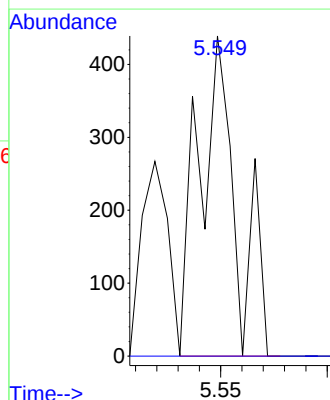
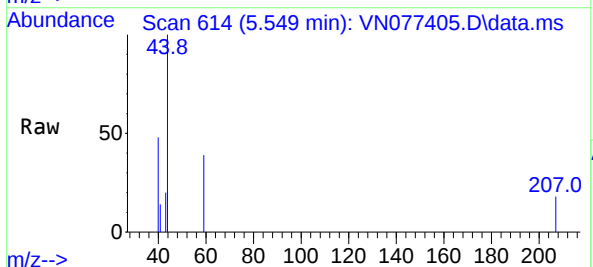
Instrument :
MSVOA_N
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SPC-2WC-23-04-17

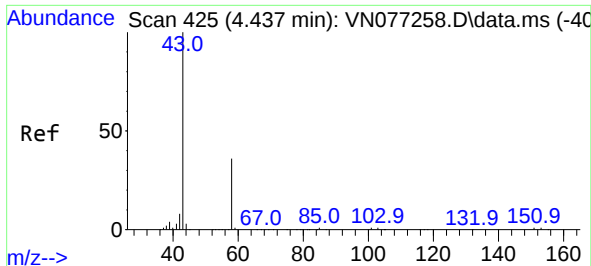
Tgt Ion:168 Resp: 536526
Ion Ratio Lower Upper
168 100
99 60.4 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.360 ug/l
RT: 5.549 min Scan# 614
Delta R.T. 0.012 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 59 Resp: 539
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

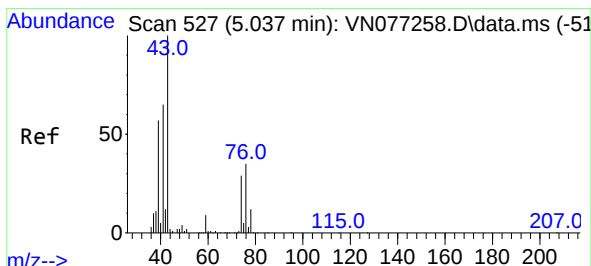
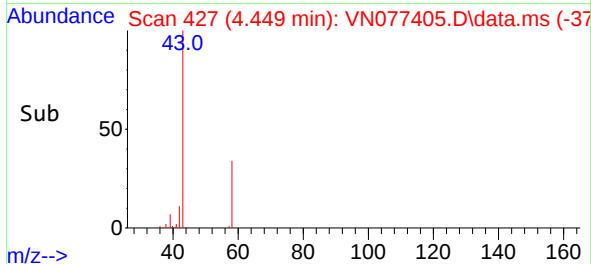
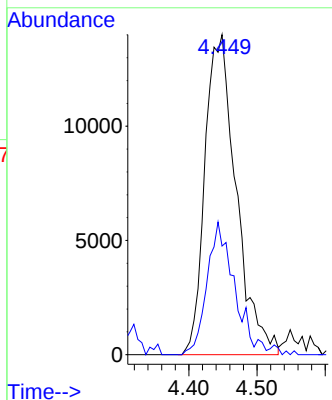
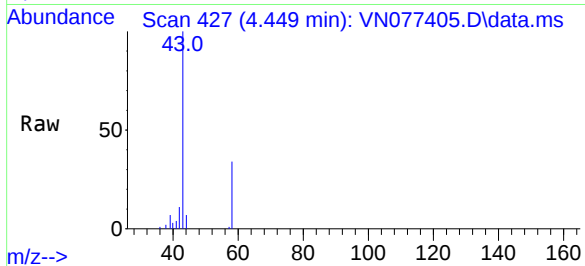




#16
Acetone
Concen: 16.528 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

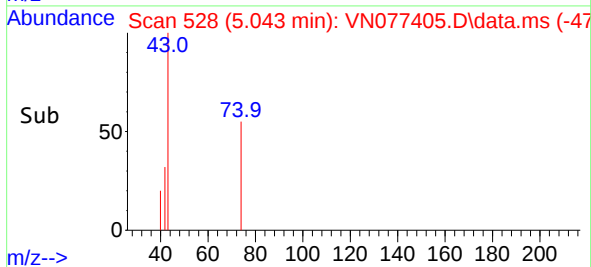
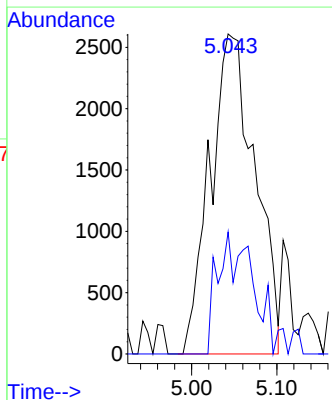
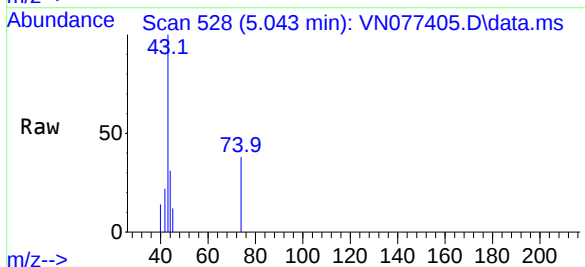
Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

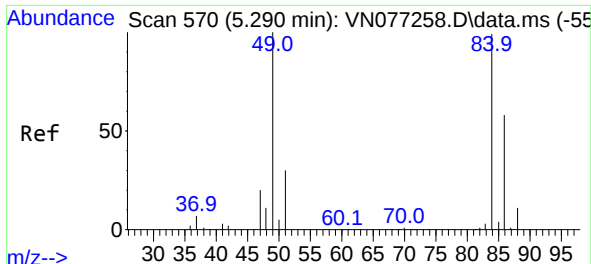
Tgt Ion: 43 Resp: 44686
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.6



#18
Methyl Acetate
Concen: 0.930 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

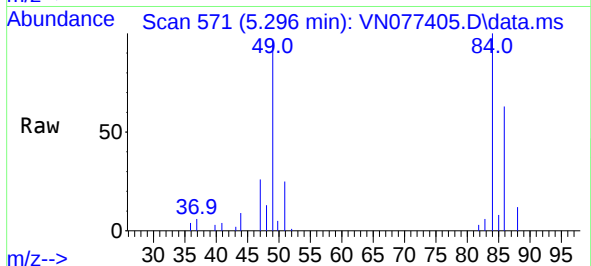
Tgt Ion: 43 Resp: 9579
Ion Ratio Lower Upper
43 100
74 13.4 23.4 35.2#





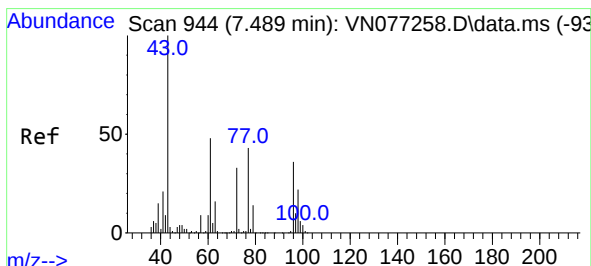
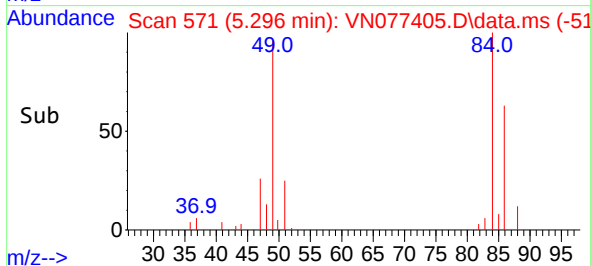
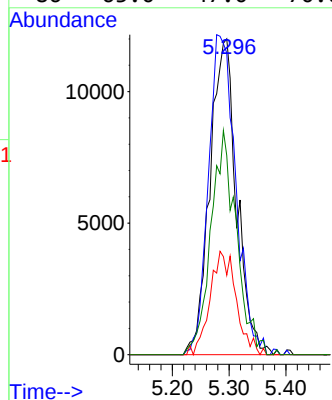
#20
Methylene Chloride
Concen: 5.148 ug/l
RT: 5.296 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17



Tgt Ion: 84 Resp: 39309

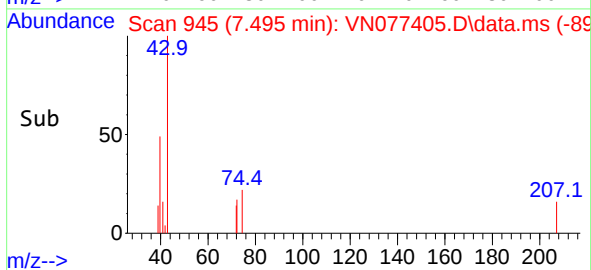
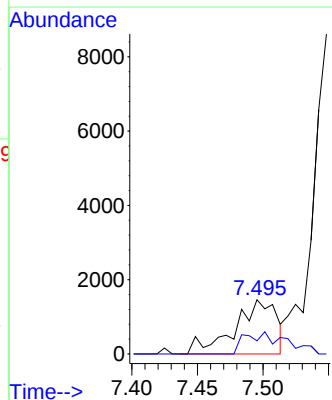
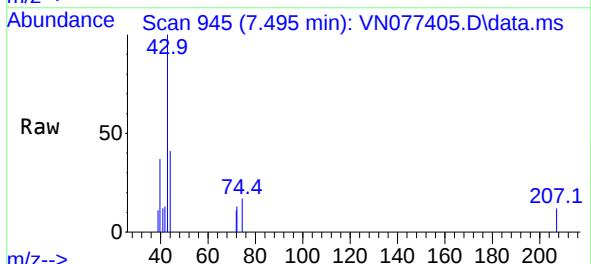
Ion	Ratio	Lower	Upper
84	100		
49	95.5	80.6	121.0
51	25.2	24.4	36.6
86	63.0	47.0	70.6

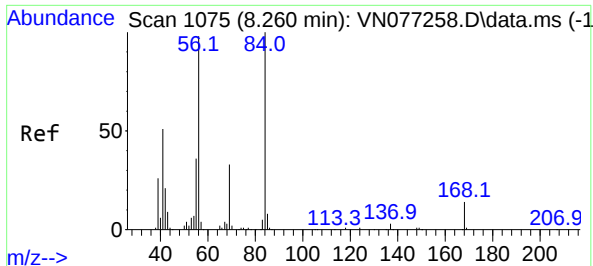


#25
2-Butanone
Concen: 0.735 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 43 Resp: 3226

Ion	Ratio	Lower	Upper
43	100		
72	24.3	26.6	39.8#

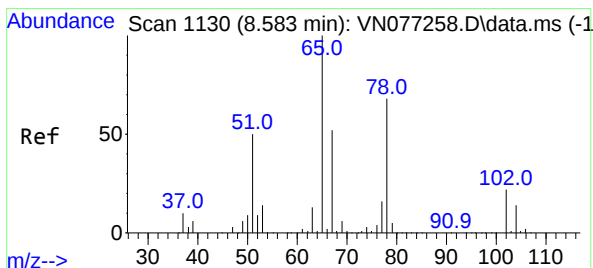
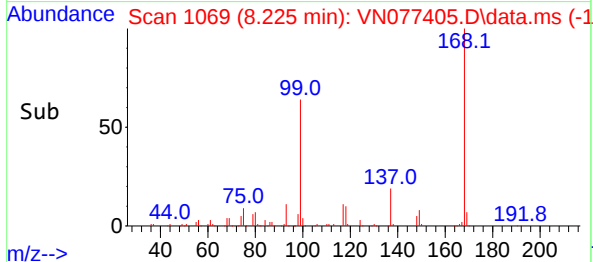
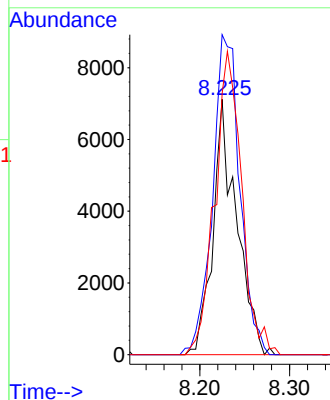
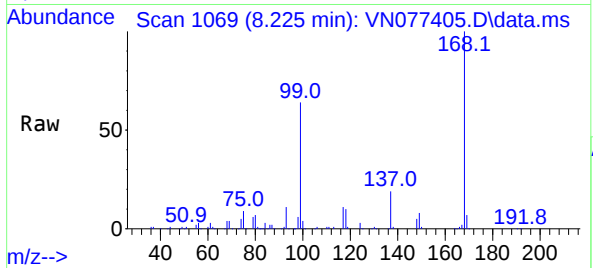




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

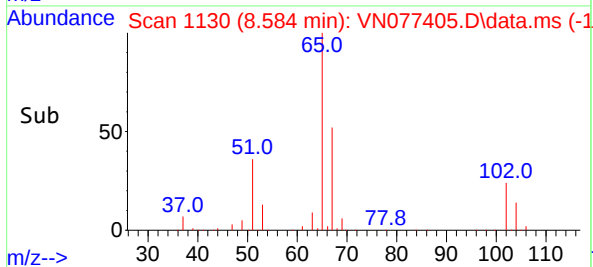
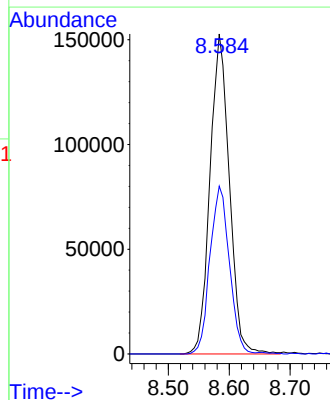
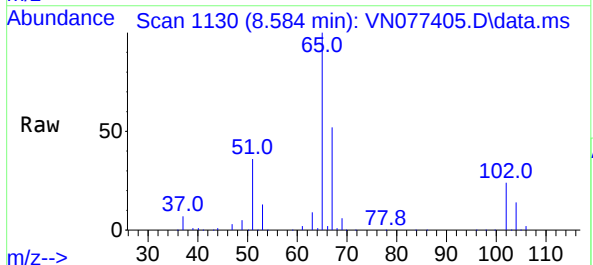
Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

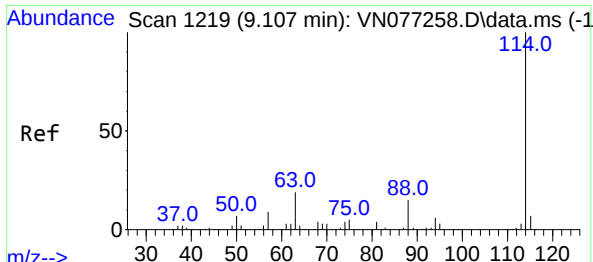
Tgt Ion: 56 Resp: 13061
Ion Ratio Lower Upper
56 100
69 125.3 26.6 40.0#
84 102.2 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 46.023 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 65 Resp: 337482
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.8

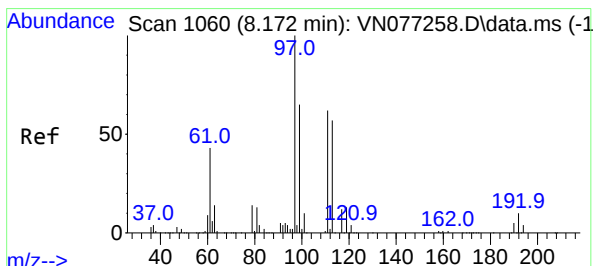
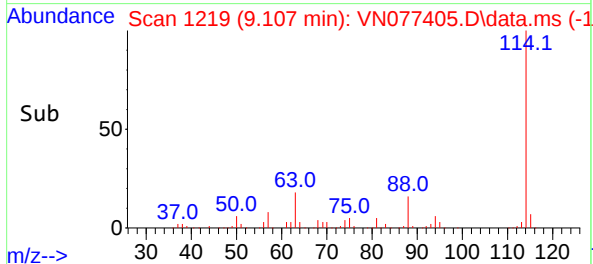
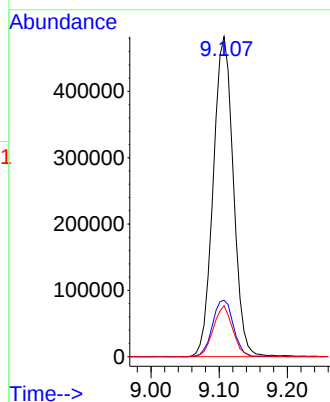
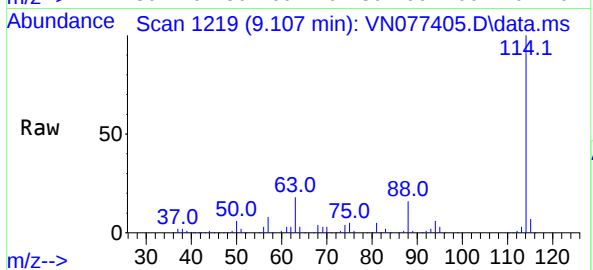




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

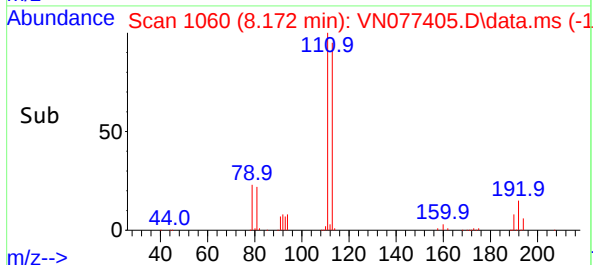
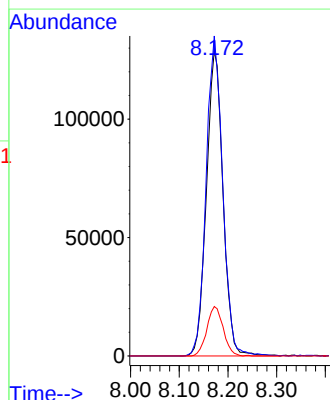
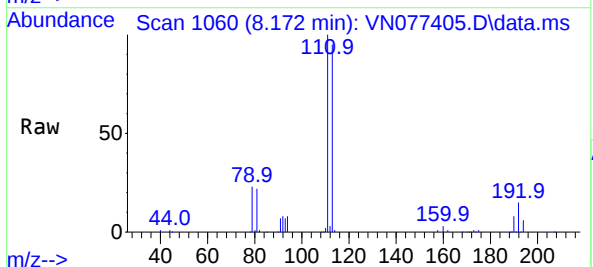
Instrument :
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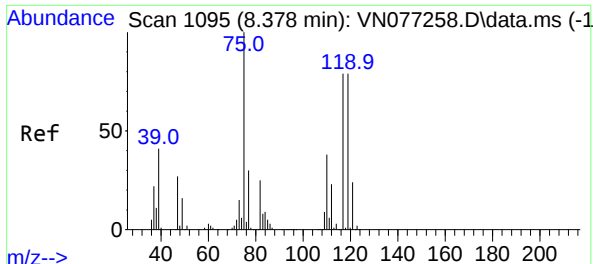
Tgt Ion:114 Resp: 991502
Ion Ratio Lower Upper
114 100
63 17.6 0.0 37.8
88 15.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.842 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion:113 Resp: 303669
Ion Ratio Lower Upper
113 100
111 104.9 83.4 125.0
192 16.0 13.5 20.3

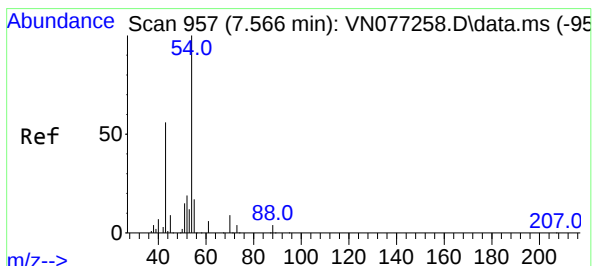
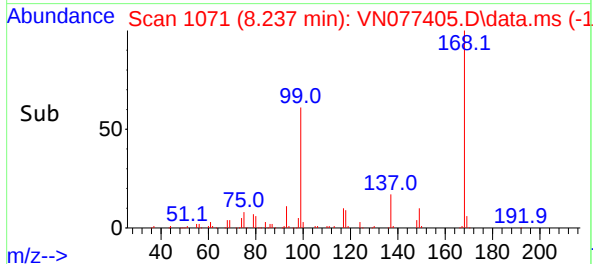
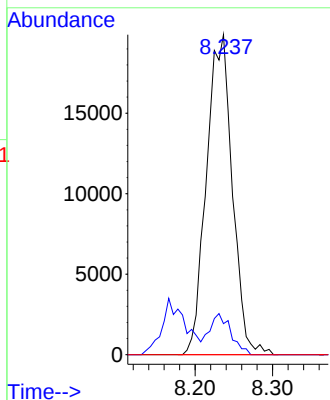
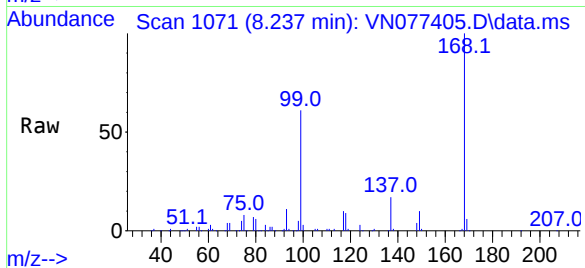




#36
1,1-Dichloropropene
Concen: 4.916 ug/l
RT: 8.237 min Scan# 1095
Delta R.T. -0.141 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

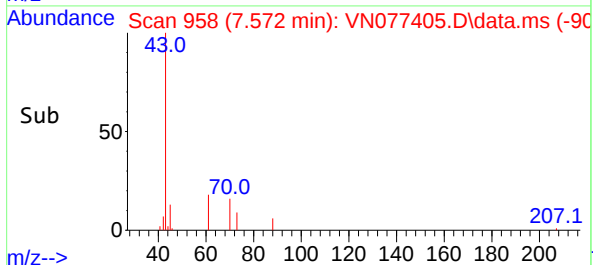
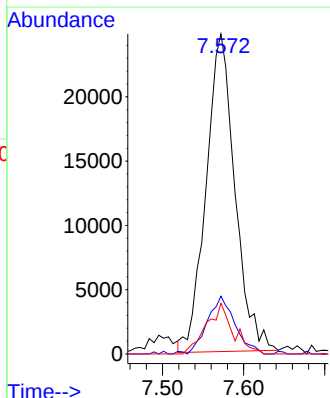
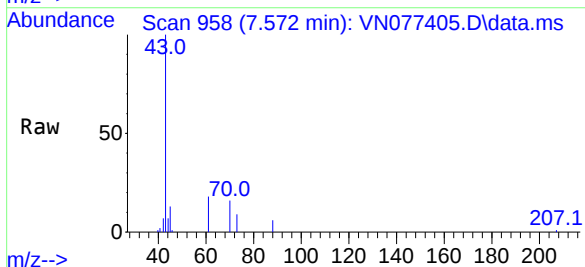
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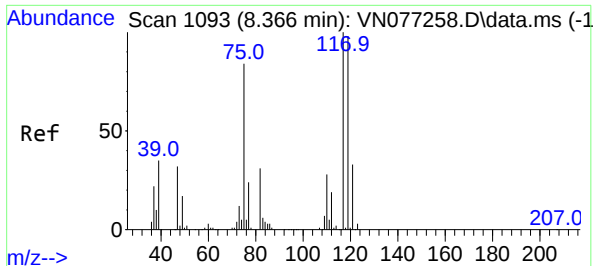
Tgt Ion: 75 Resp: 46149
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.268 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 43 Resp: 61048
Ion Ratio Lower Upper
43 100
61 17.5 12.2 18.2
70 14.8 10.0 15.0

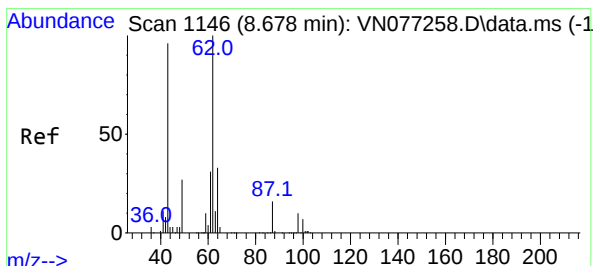
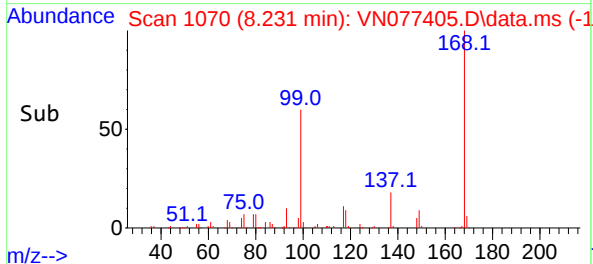
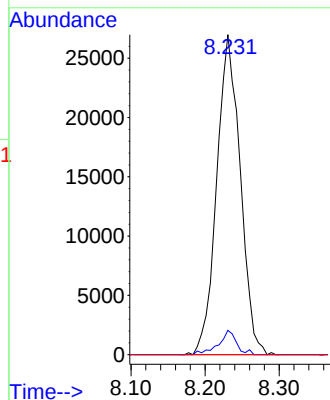
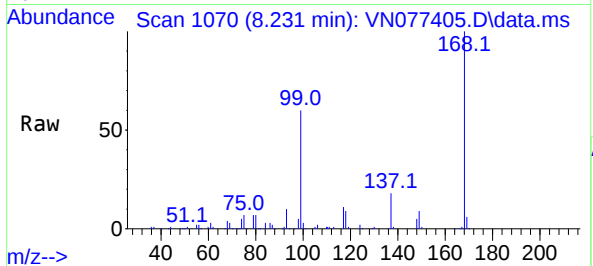




#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

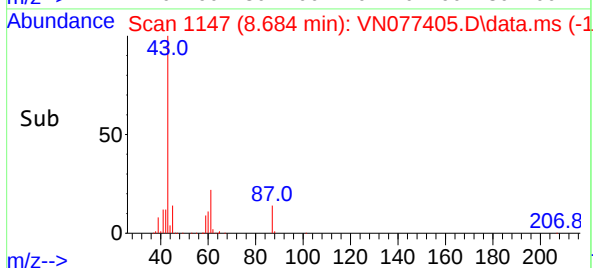
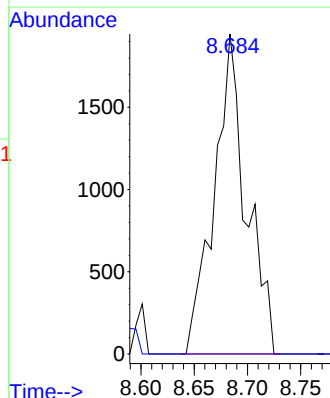
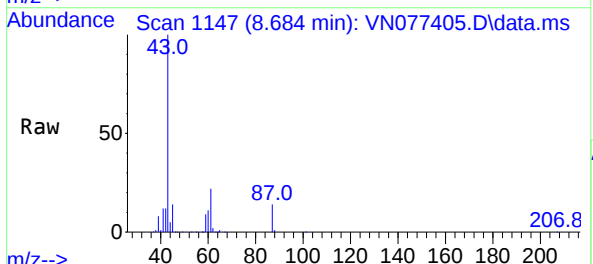
Instrument :
MSVOA_N
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SPC-2WC-23-04-17

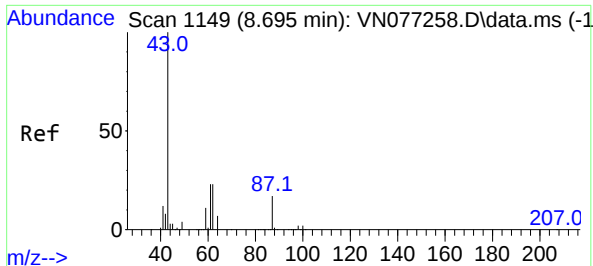
Tgt Ion:117 Resp: 59452
Ion Ratio Lower Upper
117 100
119 7.6 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.453 ug/l
RT: 8.684 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 62 Resp: 4082
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

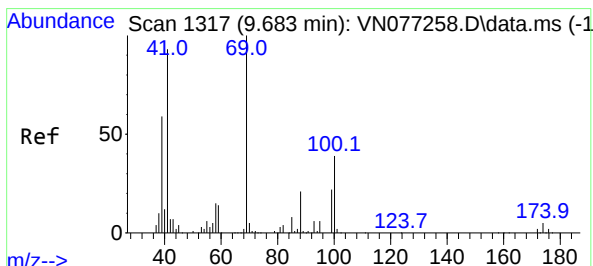
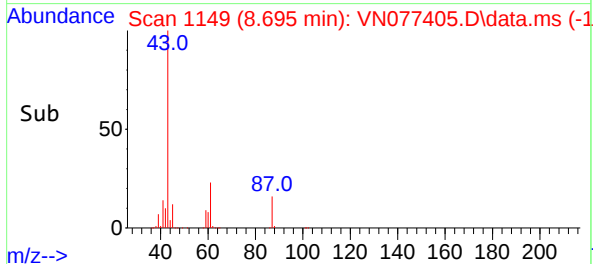
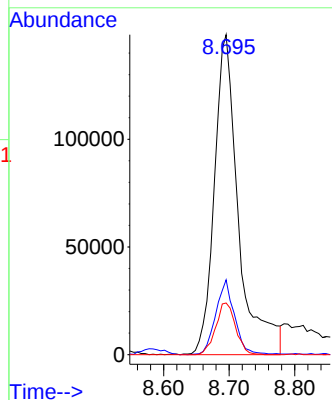
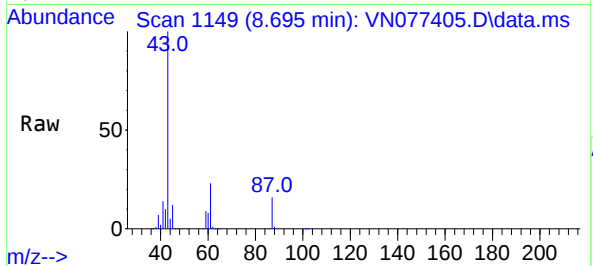




#43
Isopropyl Acetate
Concen: 24.526 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

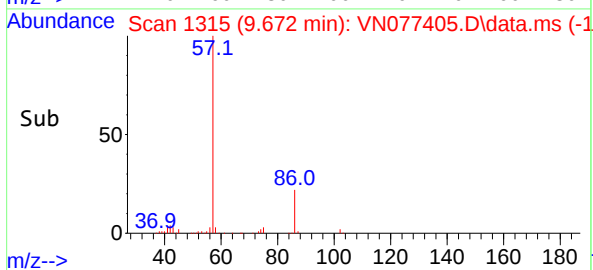
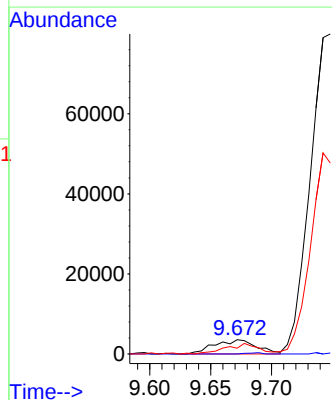
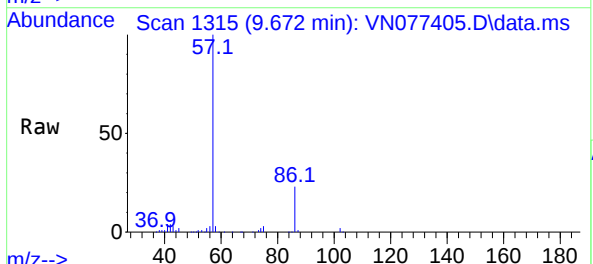
Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

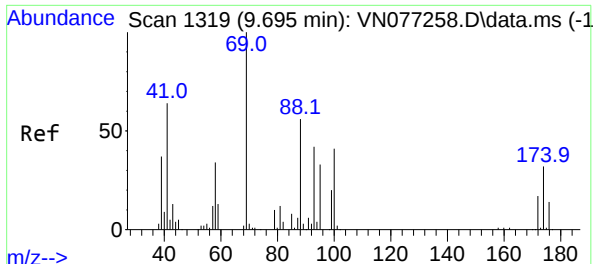
Tgt Ion: 43 Resp: 380123
Ion Ratio Lower Upper
43 100
61 18.2 22.7 34.1#
87 13.3 13.6 20.4#



#48
Methyl methacrylate
Concen: 1.301 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.011 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

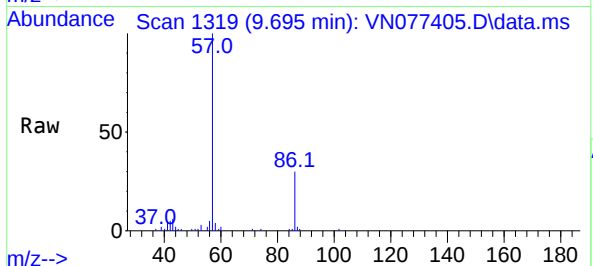
Tgt Ion: 41 Resp: 8599
Ion Ratio Lower Upper
41 100
69 2.8 85.0 127.6#
39 56.9 53.5 80.3



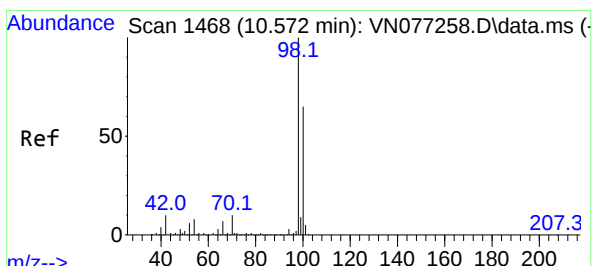
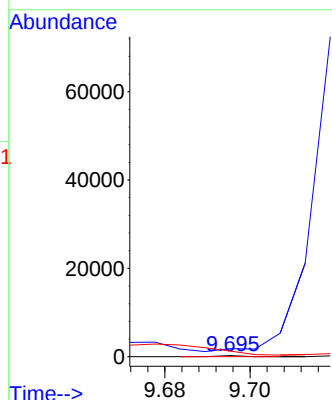
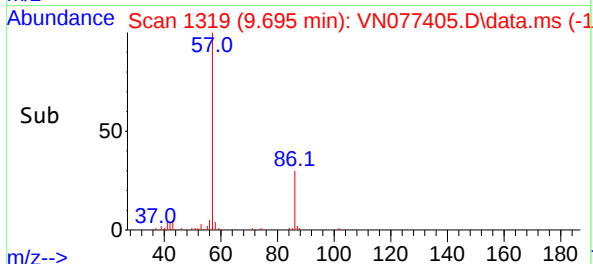


#49
1,4-Dioxane
Concen: 0.555 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

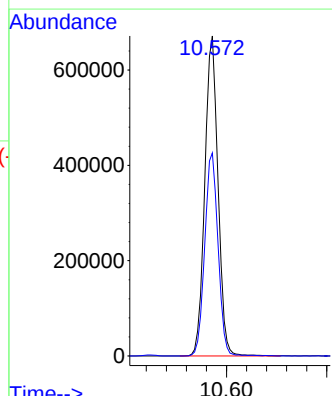
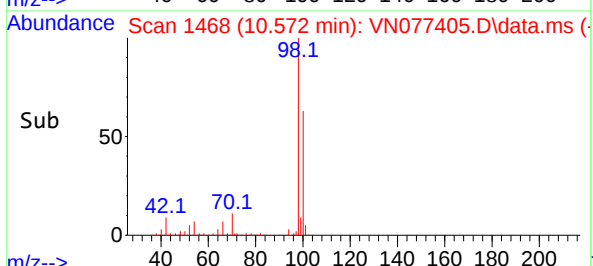
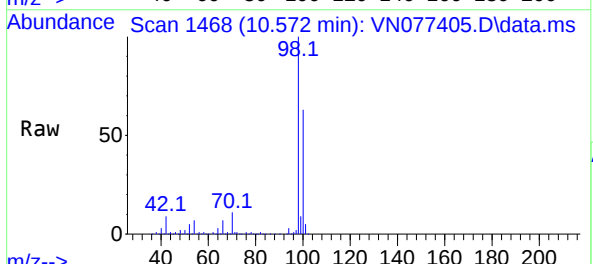


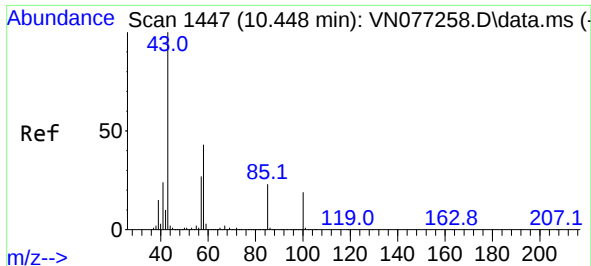
Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#



#50
Toluene-d8
Concen: 48.085 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 98 Resp: 1228682
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9

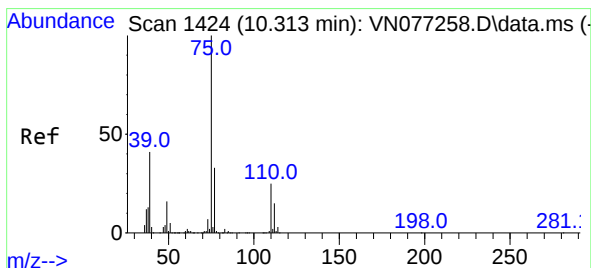
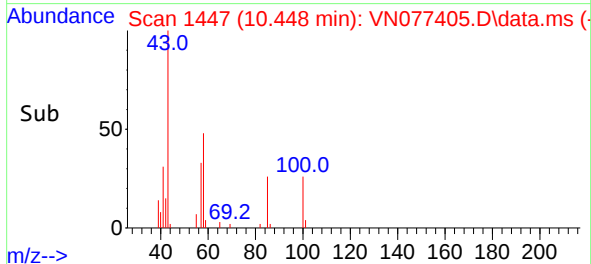
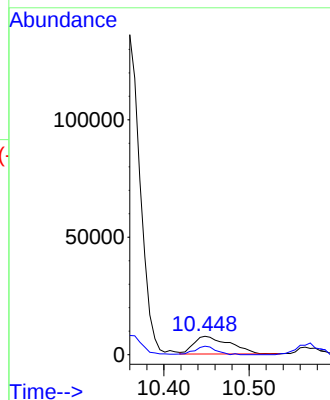
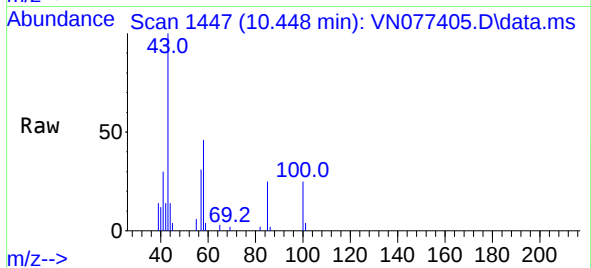




#51
4-Methyl-2-Pentanone
Concen: 2.473 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

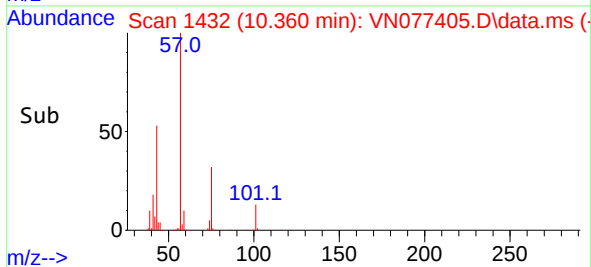
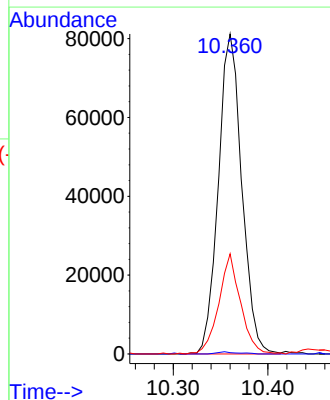
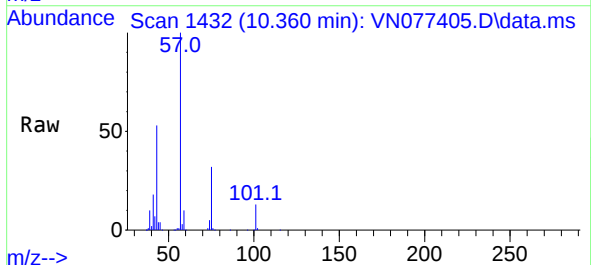
Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

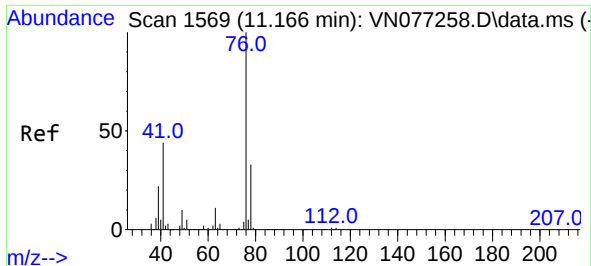
Tgt Ion: 43 Resp: 22150
Ion Ratio Lower Upper
43 100
58 28.6 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 11.536 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 75 Resp: 139741
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 31.1 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 0.958 ug/l

RT: 11.201 min Scan# 11904

Delta R.T. 0.035 min

Lab File: VN077405.D

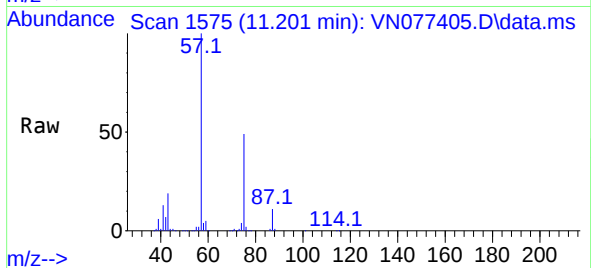
Acq: 20 Apr 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :

SPC-2WC-23-04-17

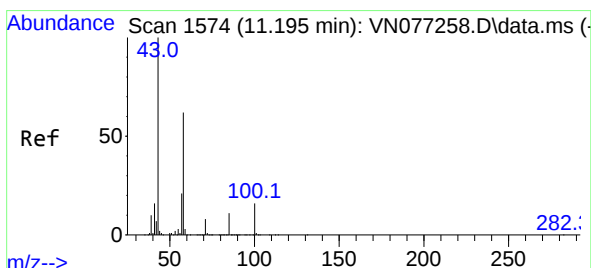
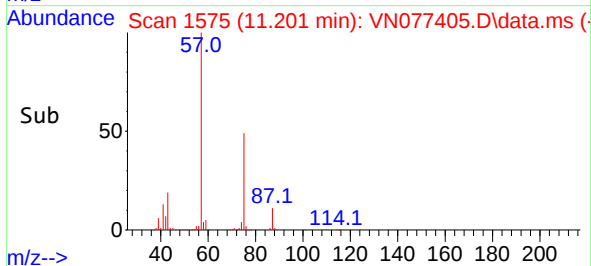
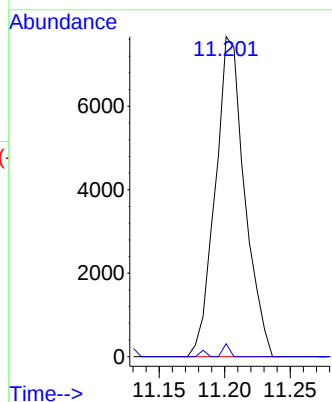


Tgt Ion: 76 Resp: 11904

Ion Ratio Lower Upper

76 100

78 0.9 26.2 39.4#



#59

2-Hexanone

Concen: 56.805 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077405.D

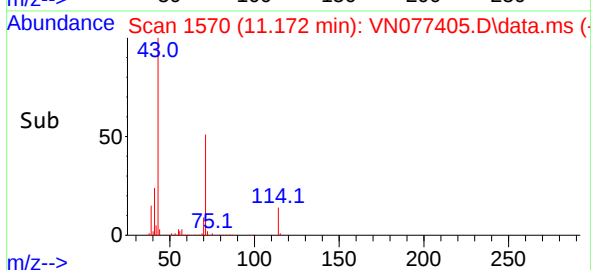
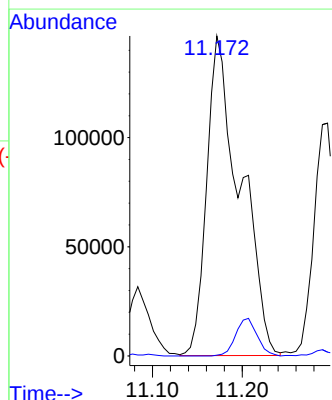
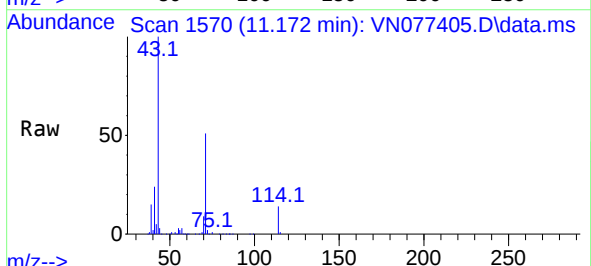
Acq: 20 Apr 2023 17:11

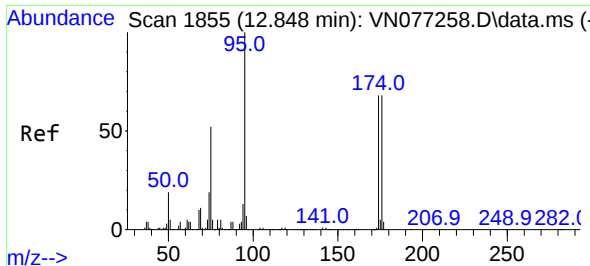
Tgt Ion: 43 Resp: 379125

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

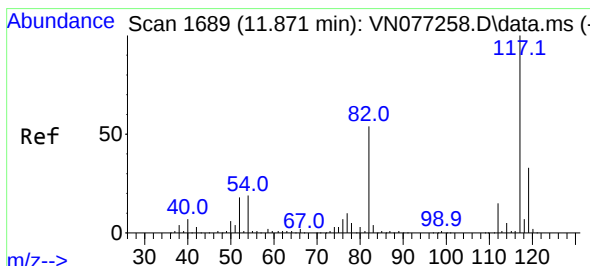
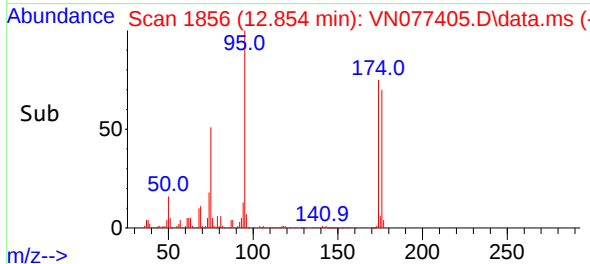
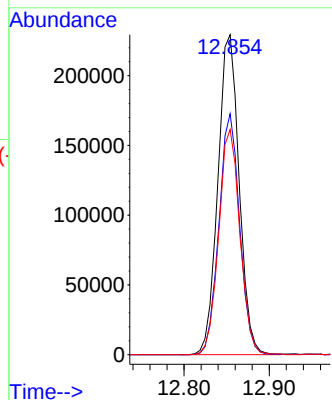
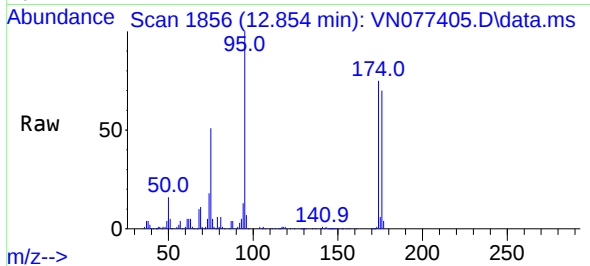




#62
4-Bromofluorobenzene
Concen: 46.725 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

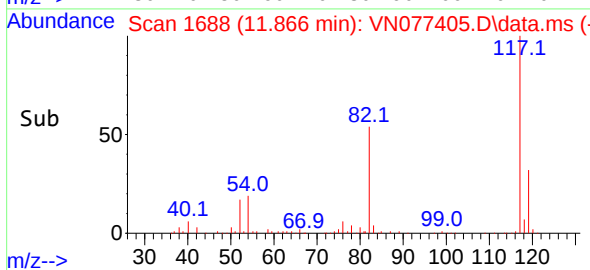
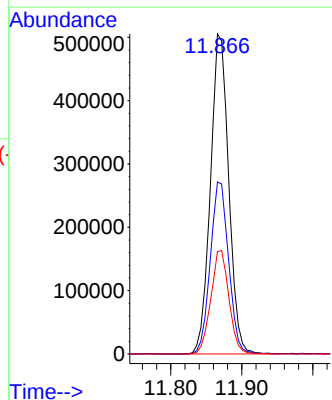
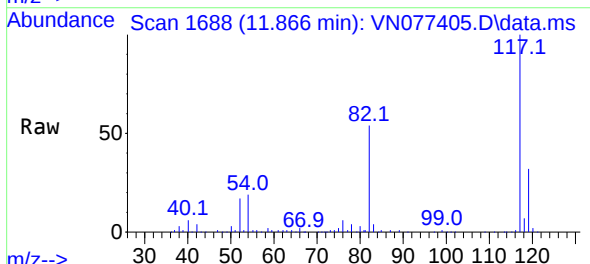
Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

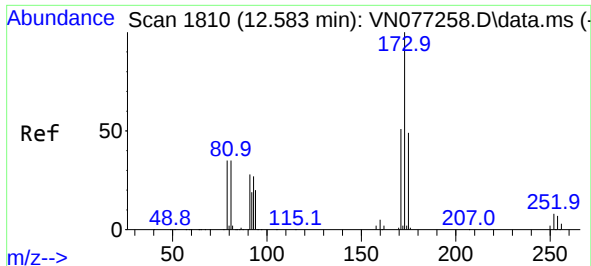
Tgt Ion:	95	Resp:	397085
Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	146.8
176	69.9	0.0	139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion:	117	Resp:	902543
Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.9	64.3
119	32.0	26.2	39.4

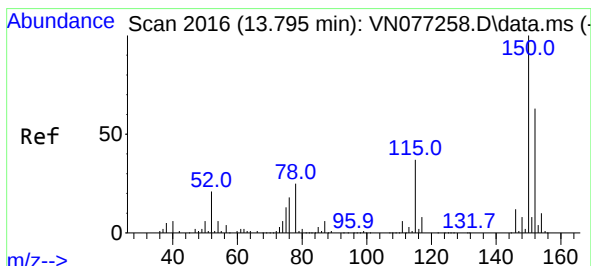
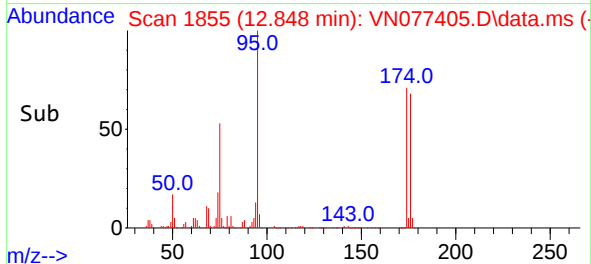
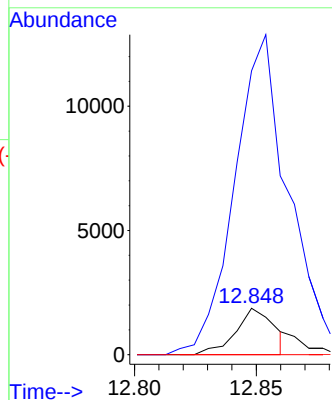
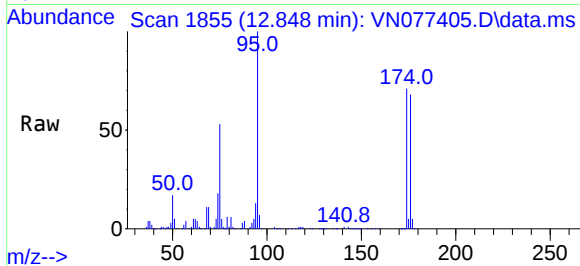




#71
Bromoform
Concen: 0.391 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

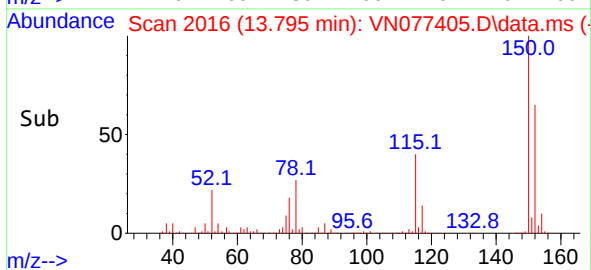
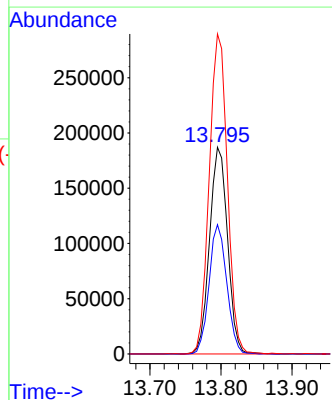
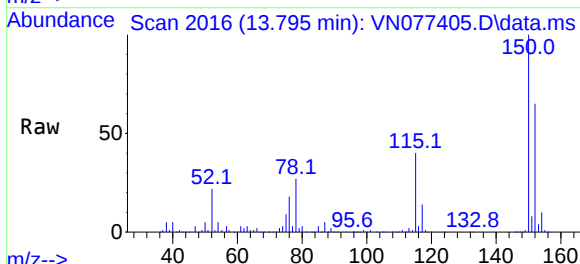
Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

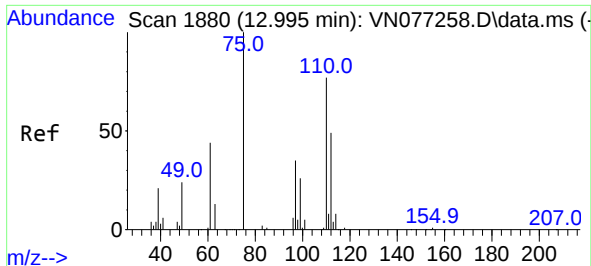
Tgt Ion:173 Resp: 2067
Ion Ratio Lower Upper
173 100
175 770.3 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion:152 Resp: 329986
Ion Ratio Lower Upper
152 100
115 61.4 32.1 96.3
150 155.5 0.0 354.8

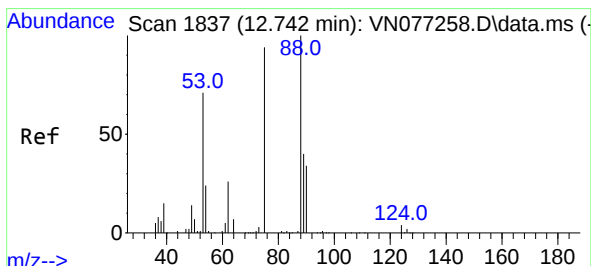
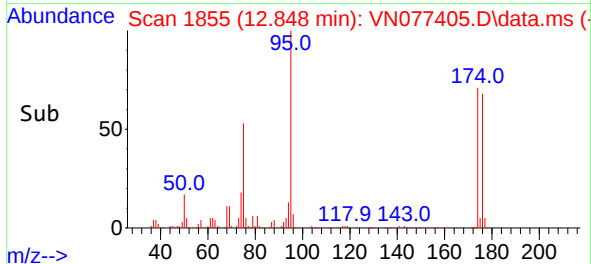
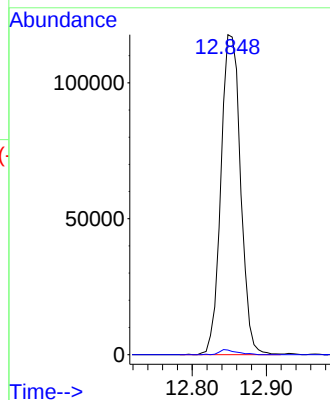
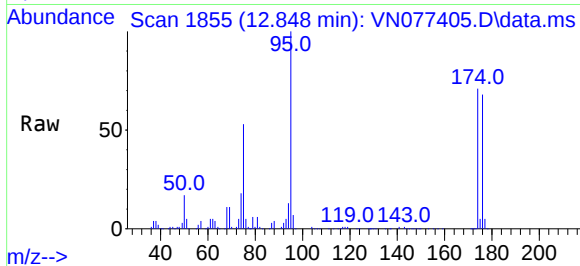




#76
1,2,3-Trichloropropane
Concen: 27.581 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :
SPC-2WC-23-04-17

Tgt Ion: 75 Resp: 216727
Ion Ratio Lower Upper
75 100
77 1.4 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.066 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN077405.D
Acq: 20 Apr 2023 17:11

Tgt Ion: 75 Resp: 216727
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

