

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077527.D
 Acq On : 29 Apr 2023 18:29
 Operator : JC\MD
 Sample : 02503-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-305A-VOC-01

Quant Time: May 01 01:25:31 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)

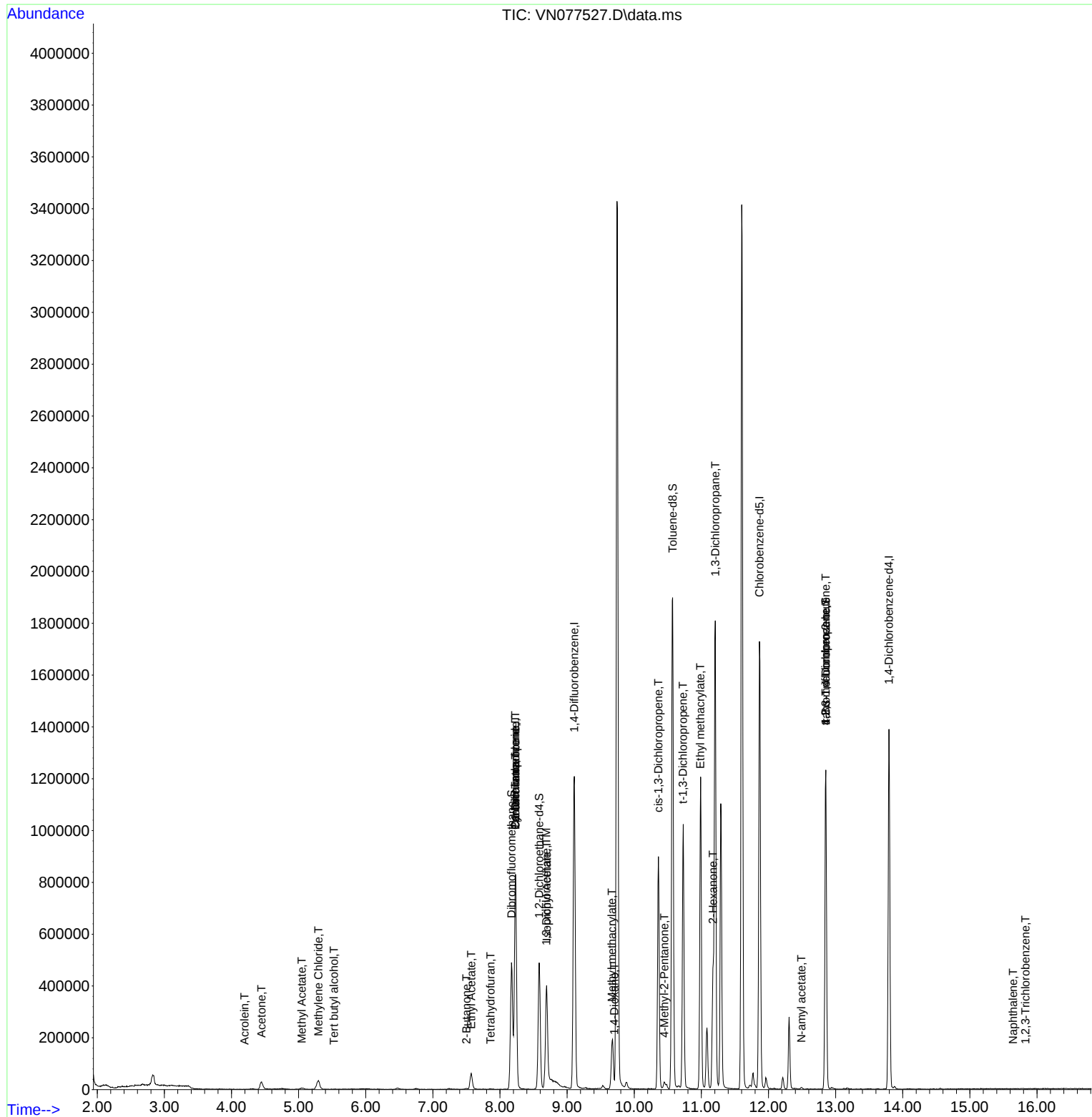
Internal Standards						
1) Pentafluorobenzene	8.231	168	593764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1133947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1054125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	369544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	394028	50.856	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.720%			
35) Dibromofluoromethane	8.172	113	347014	50.915	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.840%			
50) Toluene-d8	10.572	98	1399649	53.583	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.160%			
62) 4-Bromofluorobenzene	12.854	95	444681	52.033	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.060%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.525	59	474	0.381	ug/l #	72
13) Acrolein	4.195	56	303	0.245	ug/l #	55
16) Acetone	4.448	43	52218	21.184	ug/l	96
18) Methyl Acetate	5.048	43	10249	1.077	ug/l	98
20) Methylene Chloride	5.295	84	32139	4.111	ug/l	89
25) 2-Butanone	7.501	43	4176	1.194	ug/l #	68
29) Tetrahydrofuran	7.860	42	1328	0.606	ug/l #	53
31) Cyclohexane	8.231	56	14264	1.300	ug/l #	16
36) 1,1-Dichloropropene	8.231	75	54261	5.511	ug/l #	48
37) Ethyl Acetate	7.572	43	84715	11.322	ug/l	97
38) Carbon Tetrachloride	8.231	117	66695	6.139	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	3257	0.316	ug/l #	73
43) Isopropyl Acetate	8.695	43	446218	34.473	ug/l #	87
48) Methyl methacrylate	9.666	41	11420	1.938	ug/l #	26
49) 1,4-Dioxane	9.701	88	57	0.386	ug/l #	30
51) 4-Methyl-2-Pentanone	10.448	43	14025	1.847	ug/l	94
53) t-1,3-Dichloropropene	10.724	75	3108	0.278	ug/l #	59
54) cis-1,3-Dichloropropene	10.360	75	187081	15.391	ug/l #	62
56) Ethyl methacrylate	10.983	69	4574	0.413	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	22855	1.816	ug/l #	43
59) 2-Hexanone	11.172	43	318423	57.698	ug/l #	19
74) N-amyl acetate	12.489	43	3583	0.353	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	239944	27.922	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	239944	78.884	ug/l #	15
95) Naphthalene	15.642	128	145	1.155	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.830	180	92	0.510	ug/l #	13

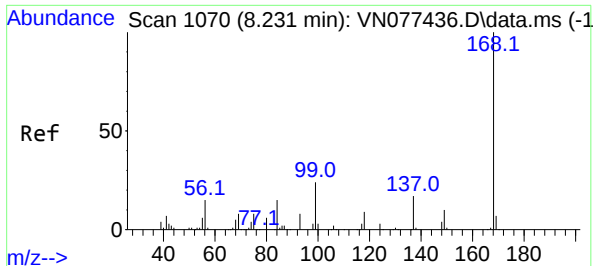
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
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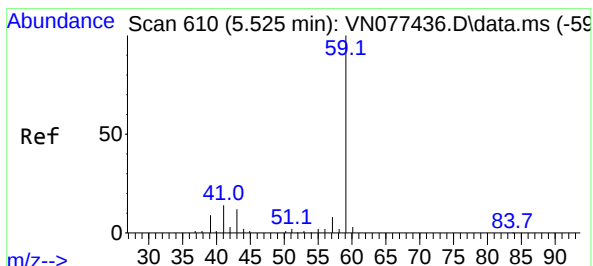
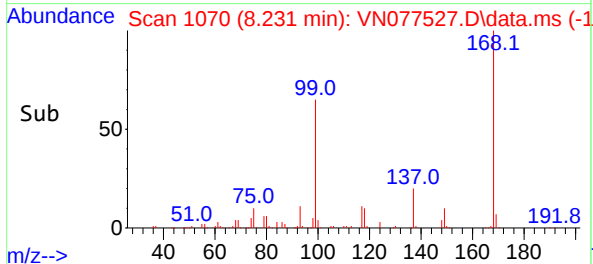
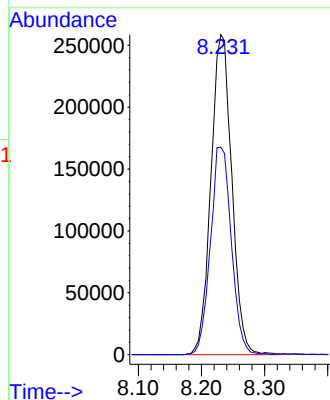
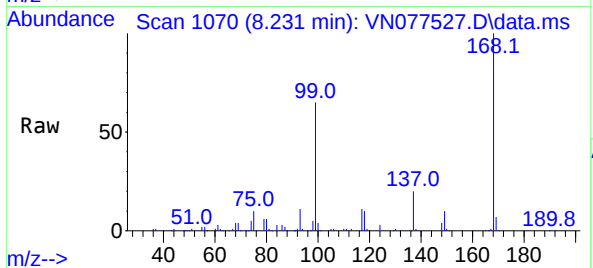




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

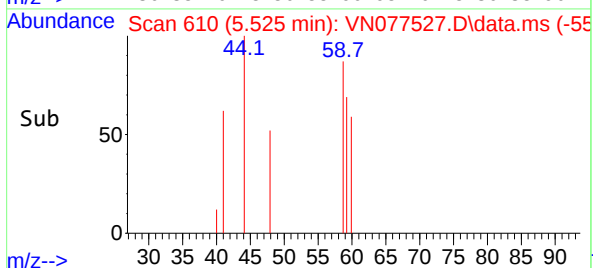
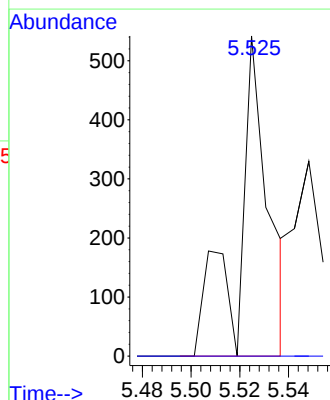
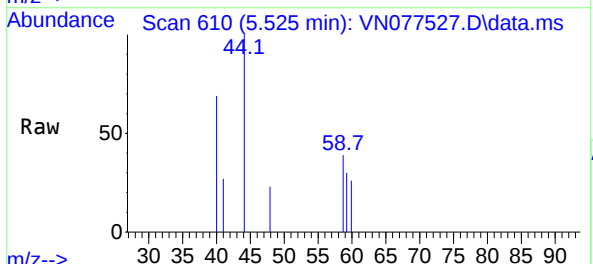
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

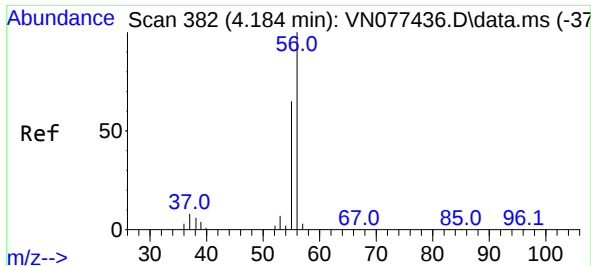
Tgt Ion:168 Resp: 593764
Ion Ratio Lower Upper
168 100
99 64.8 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.381 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

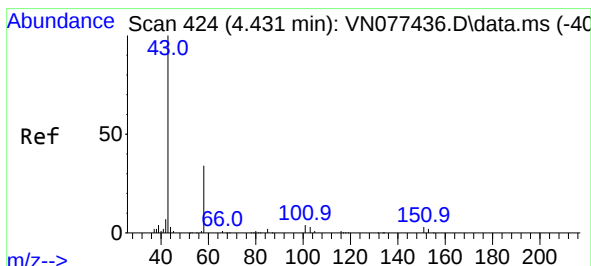
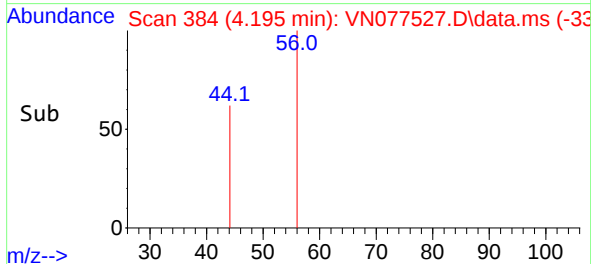
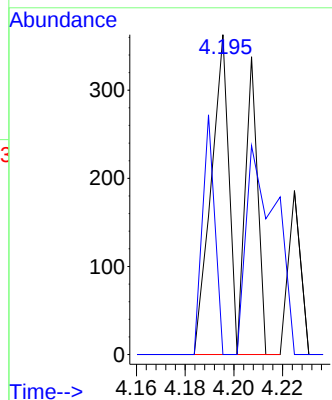
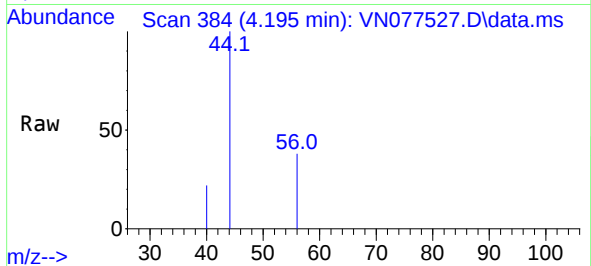




#13
Acrolein
Concen: 0.245 ug/l
RT: 4.195 min Scan# 384
Delta R.T. 0.012 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

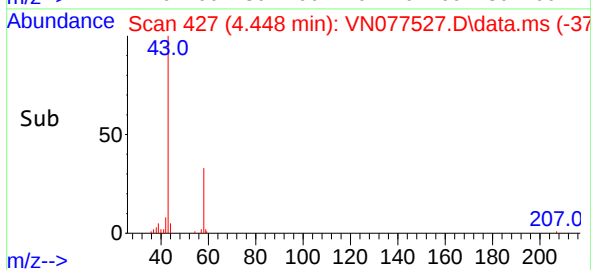
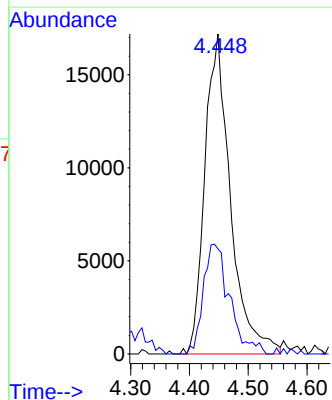
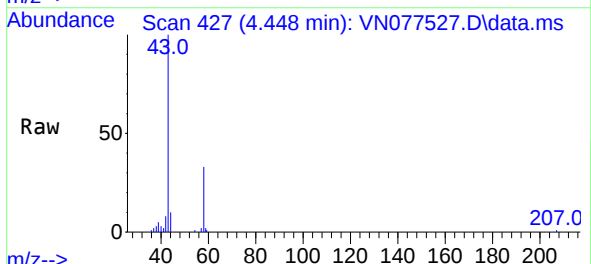
Instrument :
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ClientSampleId :
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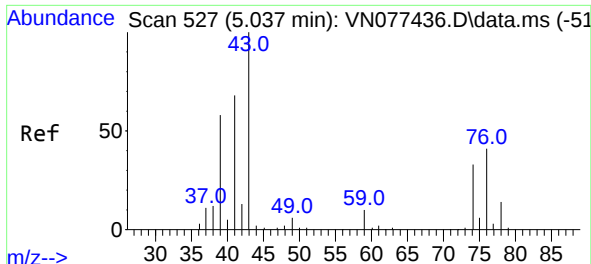
Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 31.7 54.5 81.7#



#16
Acetone
Concen: 21.184 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.018 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 43 Resp: 52218
Ion Ratio Lower Upper
43 100
58 32.8 28.0 42.0

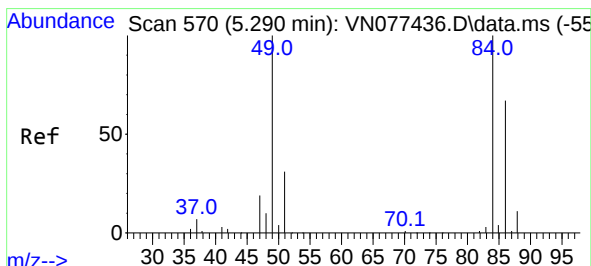
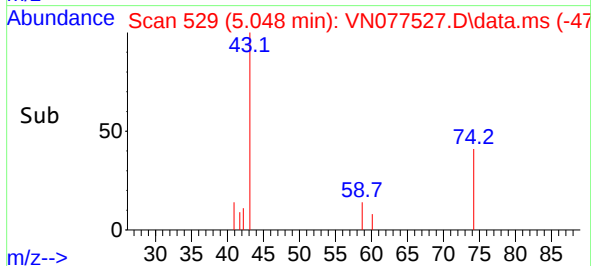
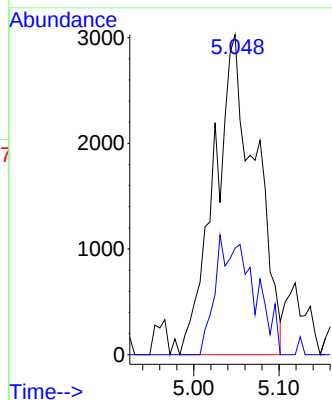
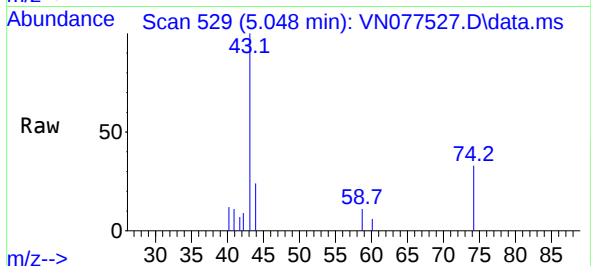




#18
Methyl Acetate
Concen: 1.077 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

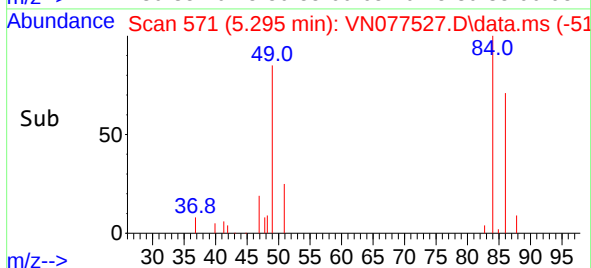
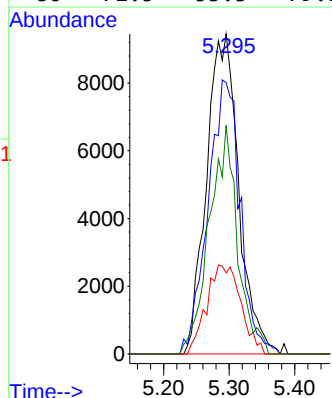
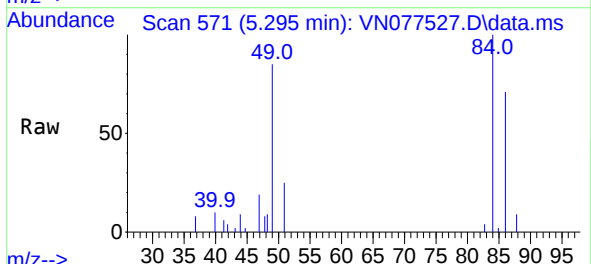
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

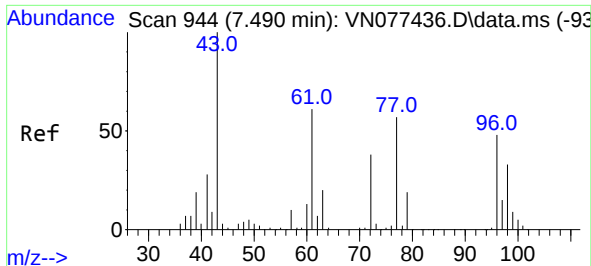
Tgt Ion: 43 Resp: 10249
Ion Ratio Lower Upper
43 100
74 34.2 26.2 39.4



#20
Methylene Chloride
Concen: 4.111 ug/l
RT: 5.295 min Scan# 571
Delta R.T. 0.006 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 84 Resp: 32139
Ion Ratio Lower Upper
84 100
49 84.8 79.7 119.5
51 25.4 25.2 37.8
86 71.5 53.3 79.9

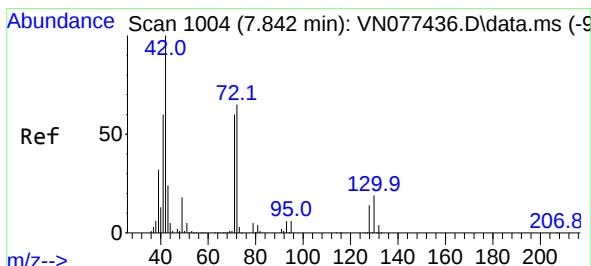
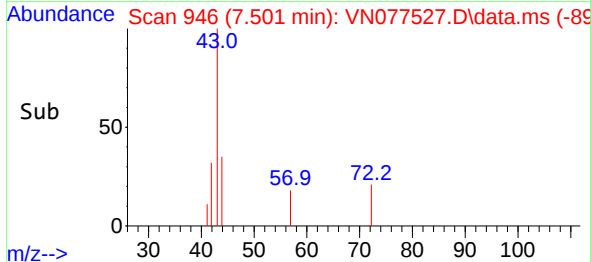
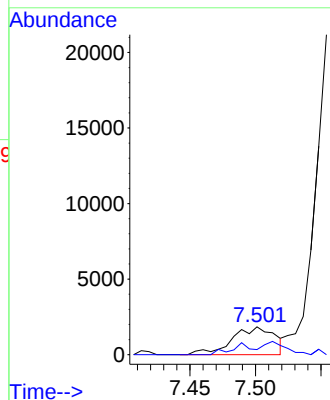
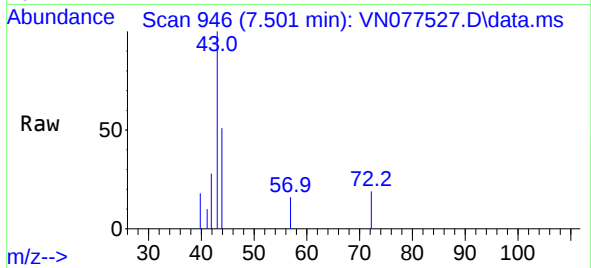




#25
2-Butanone
Concen: 1.194 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

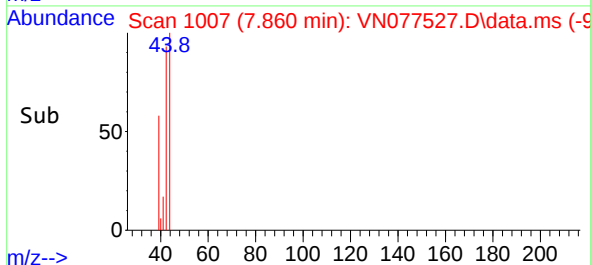
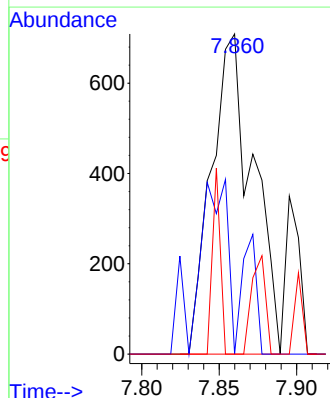
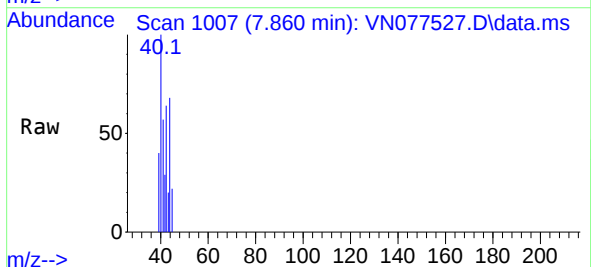
Instrument :
MSVOA_N
ClientSampleId :
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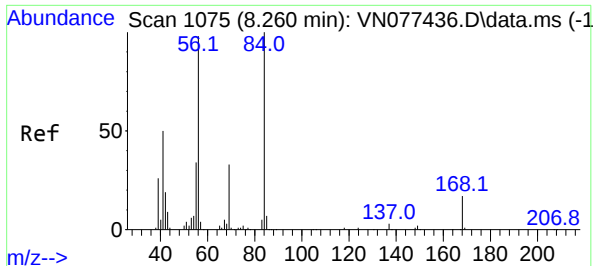
Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
72 18.6 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.606 ug/l
RT: 7.860 min Scan# 1007
Delta R.T. 0.018 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 42 Resp: 1328
Ion Ratio Lower Upper
42 100
72 38.9 49.8 74.6#
71 10.9 47.4 71.2#





#31

Cyclohexane

Concen: 1.300 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN077527.D

Acq: 29 Apr 2023 18:29

Instrument :

MSVOA_N

ClientSampleId :

TR-305A-VOC-01

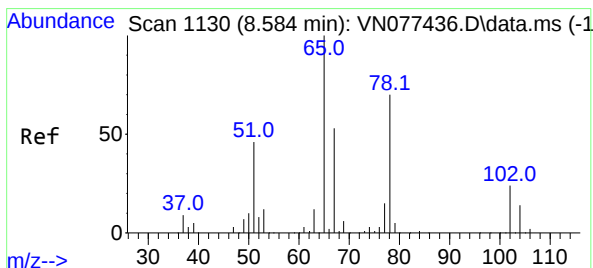
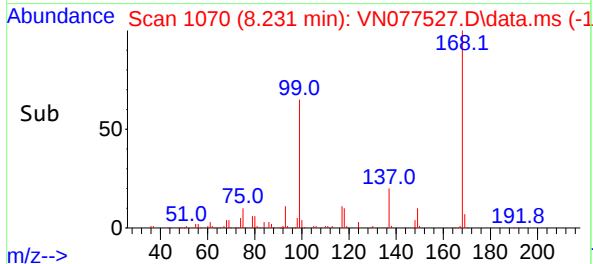
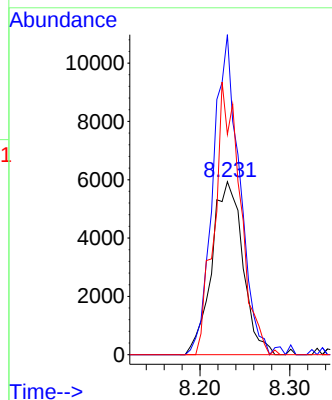
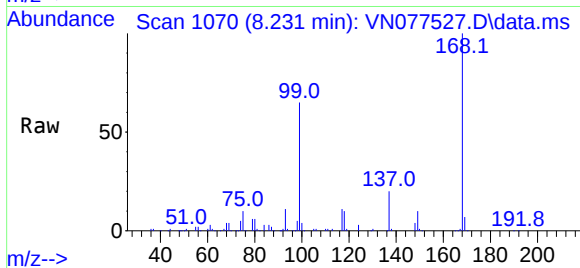
Tgt Ion: 56 Resp: 14264

Ion Ratio Lower Upper

56 100

69 184.9 26.8 40.2#

84 127.3 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 50.856 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077527.D

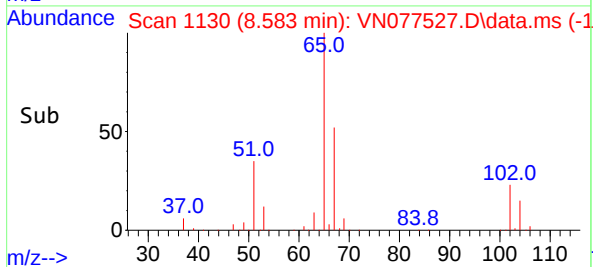
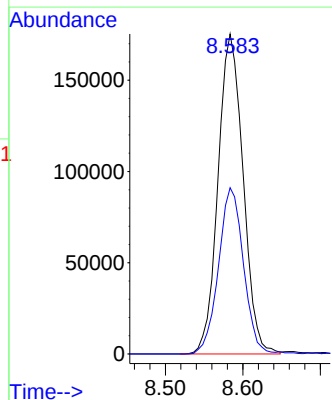
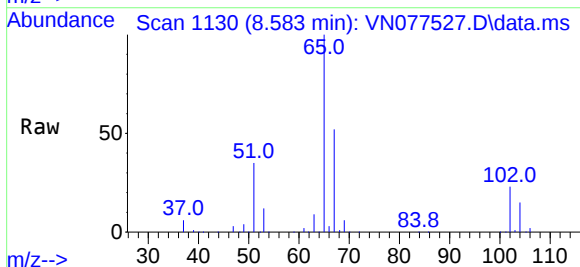
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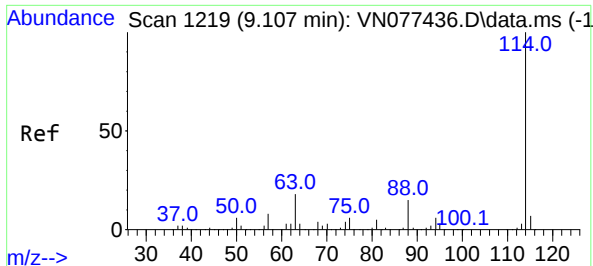
Tgt Ion: 65 Resp: 394028

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6

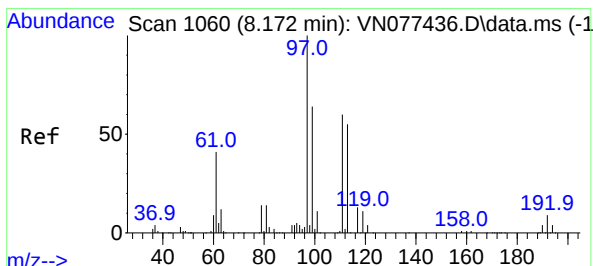
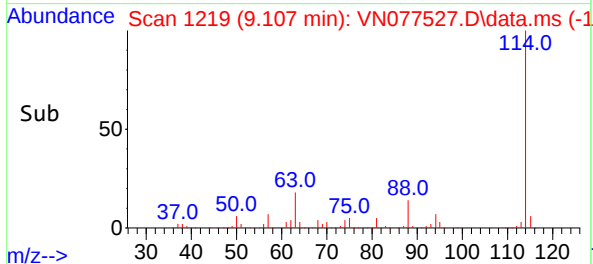
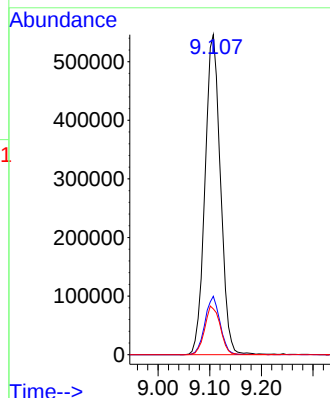
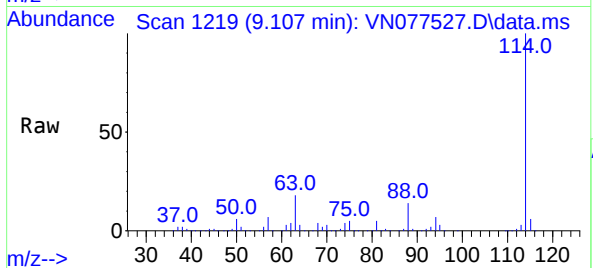




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

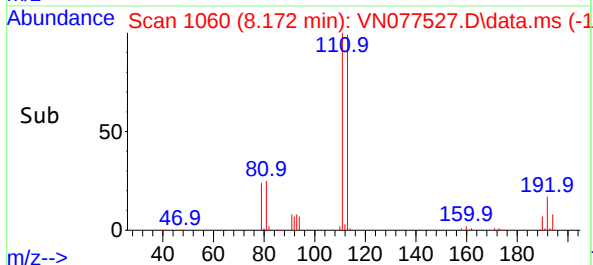
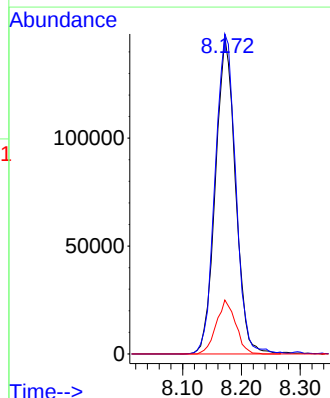
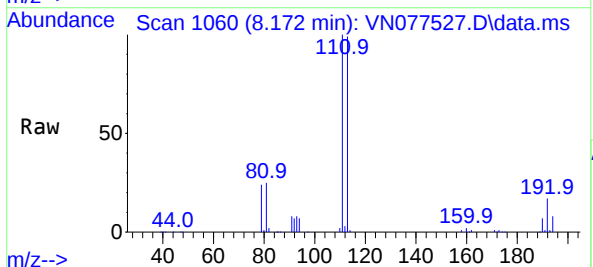
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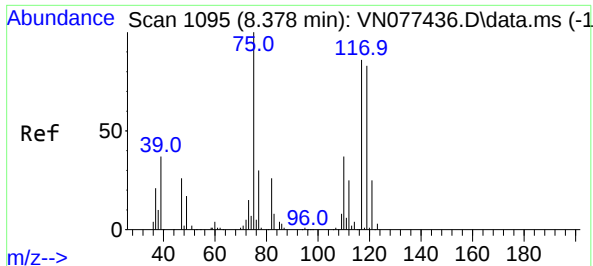
Tgt Ion:114 Resp: 1133947
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.4
88 14.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.915 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion:113 Resp: 347014
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 16.5 12.7 19.1

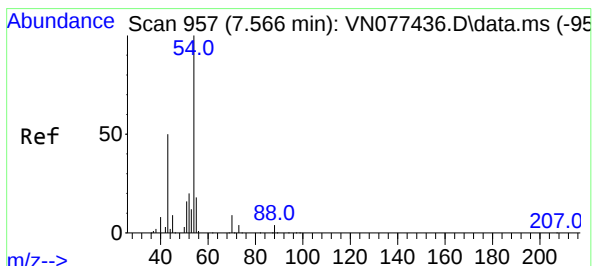
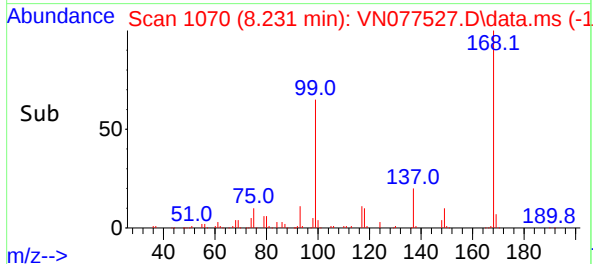
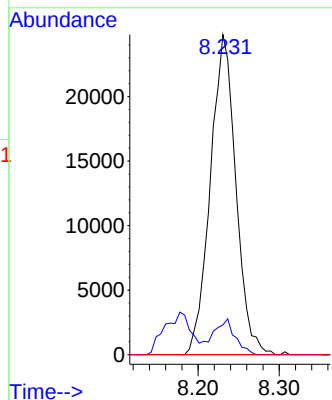
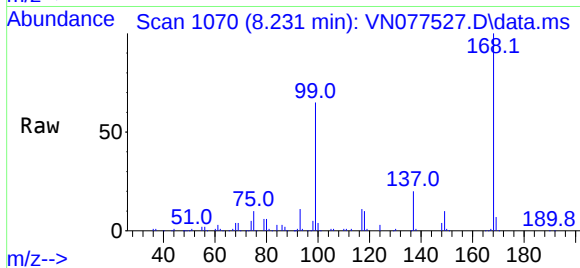




#36
1,1-Dichloropropene
Concen: 5.511 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

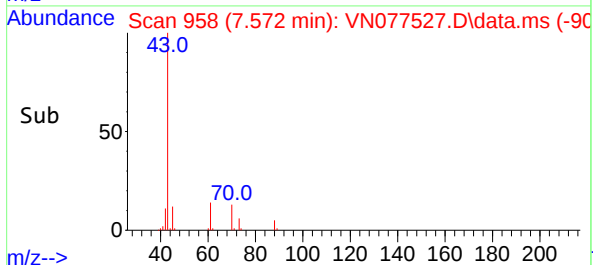
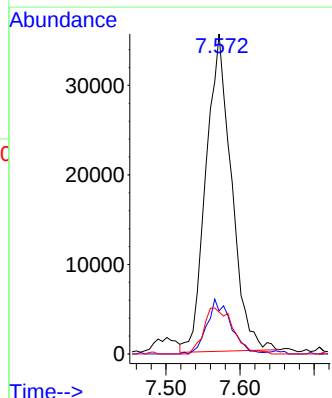
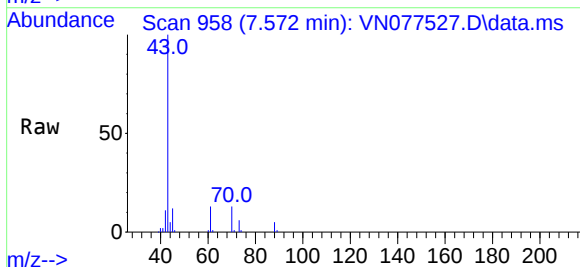
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TR-305A-VOC-01

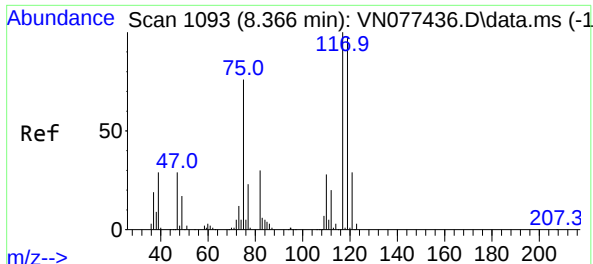
Tgt Ion: 75 Resp: 54261
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.322 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 43 Resp: 84715
Ion Ratio Lower Upper
43 100
61 16.2 13.2 19.8
70 16.7 11.3 16.9

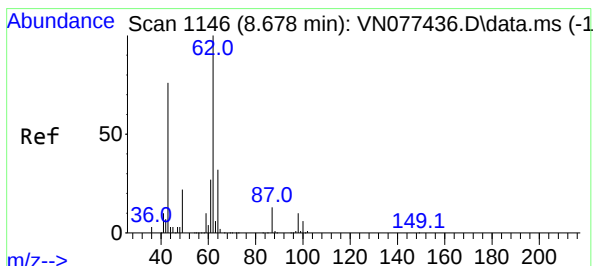
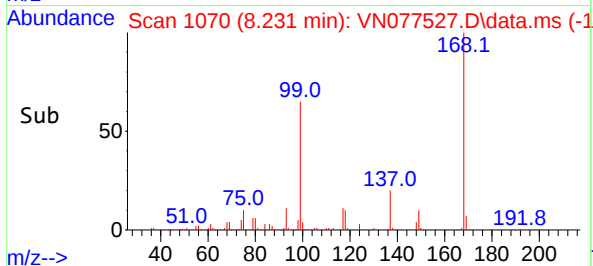
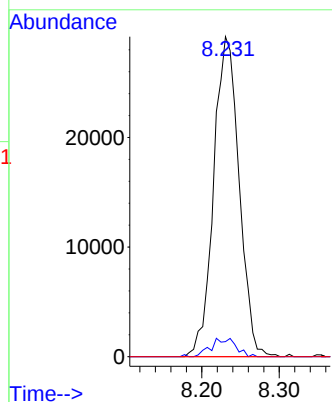
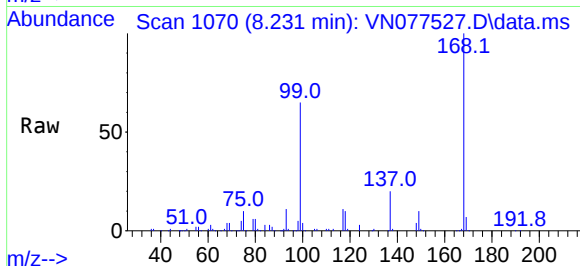




#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

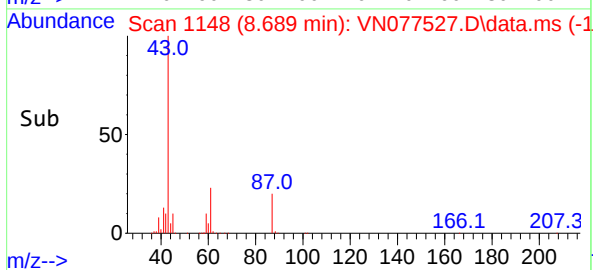
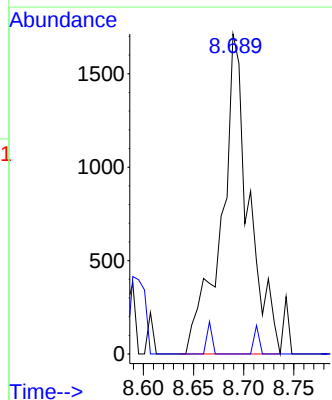
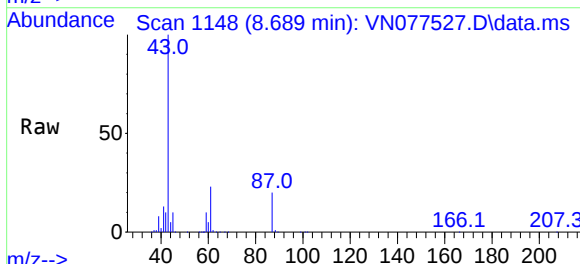
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

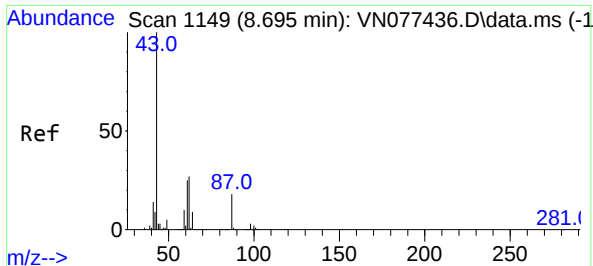
Tgt Ion:117 Resp: 66695
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.316 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 62 Resp: 3257
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

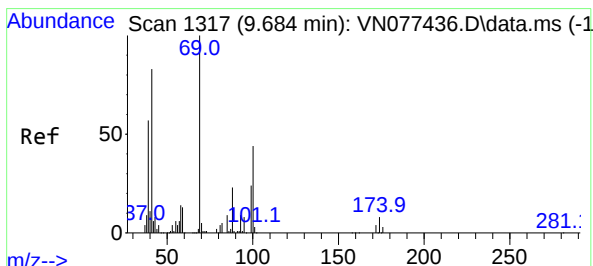
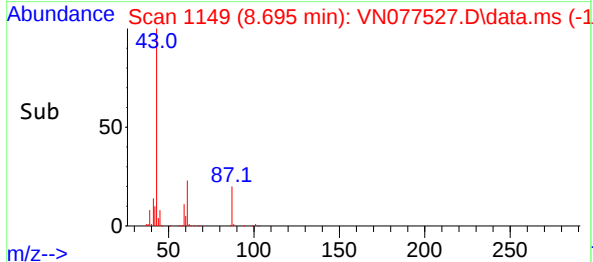
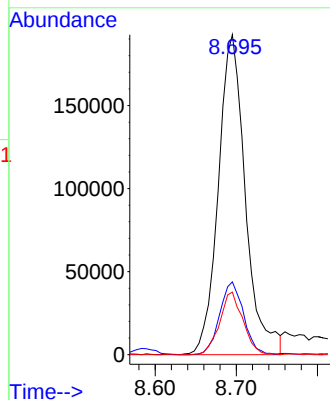
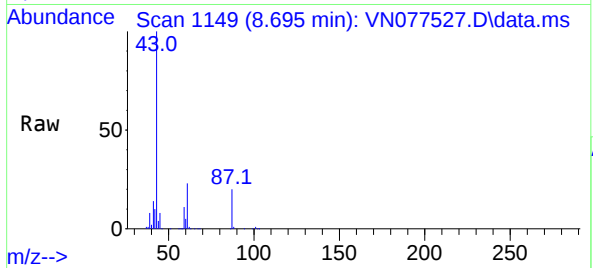




#43
Isopropyl Acetate
Concen: 34.473 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

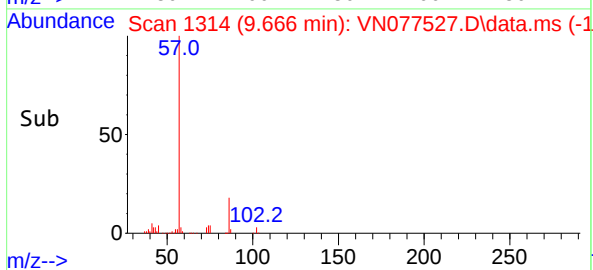
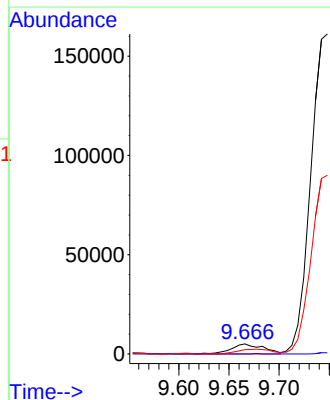
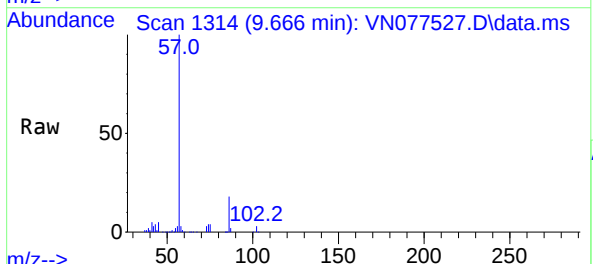
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

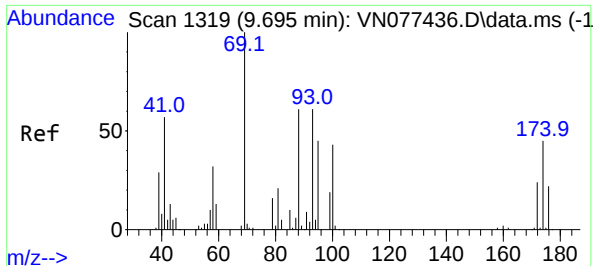
Tgt Ion: 43 Resp: 446218
Ion Ratio Lower Upper
43 100
61 20.1 24.7 37.1#
87 16.9 14.6 21.8



#48
Methyl methacrylate
Concen: 1.938 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 41 Resp: 11420
Ion Ratio Lower Upper
41 100
69 0.8 90.4 135.6#
39 49.0 54.6 81.8#

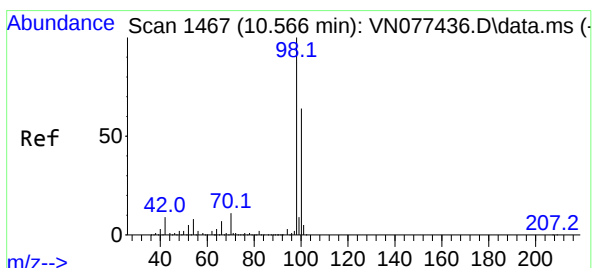
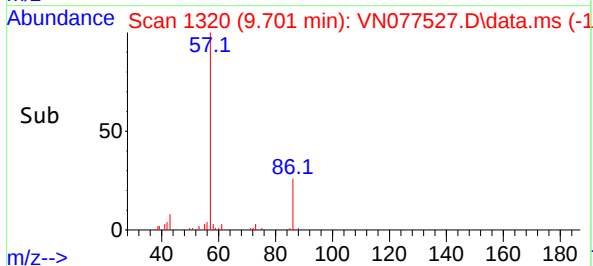
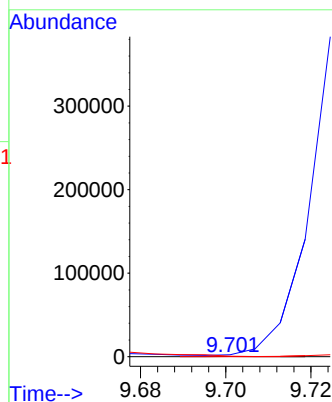
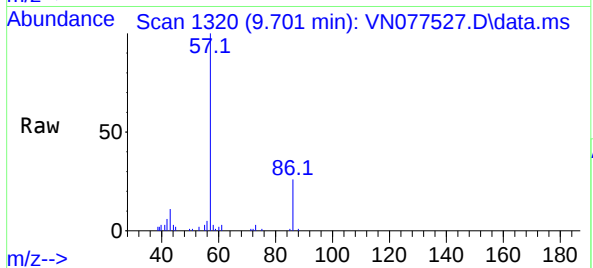




#49
1,4-Dioxane
Concen: 0.386 ug/l
RT: 9.701 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

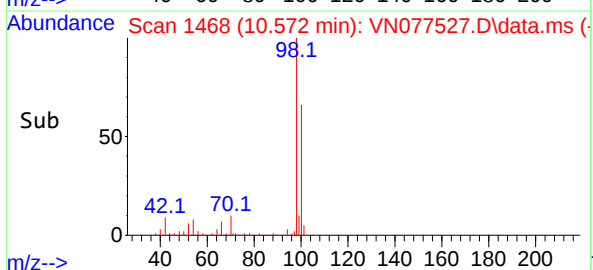
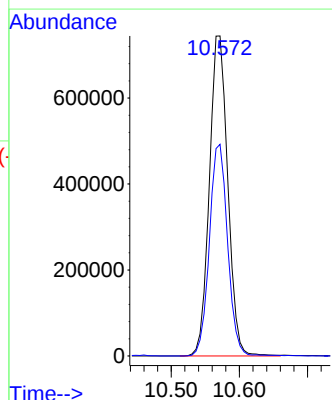
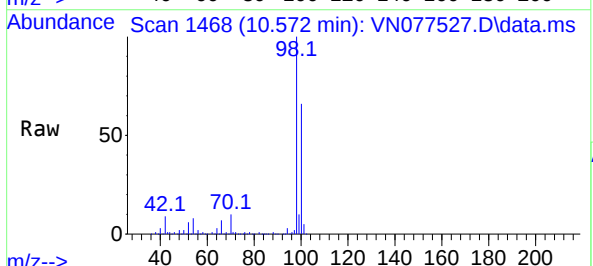
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

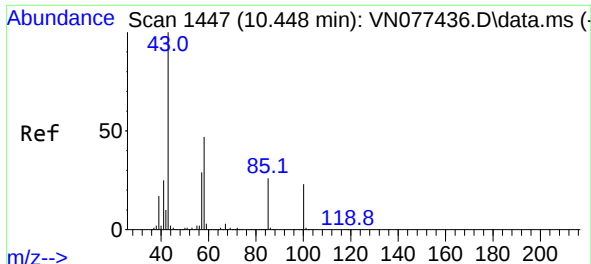
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 53.583 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 98 Resp: 1399649
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

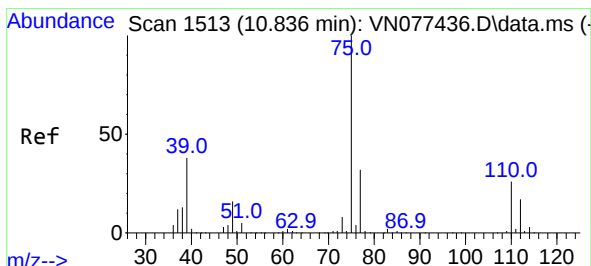
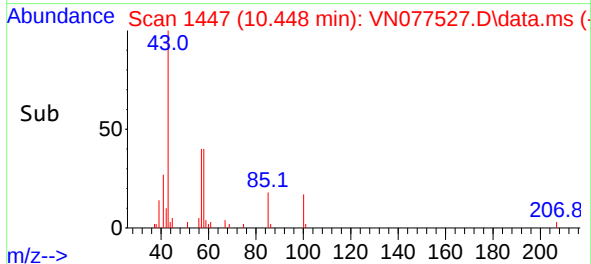
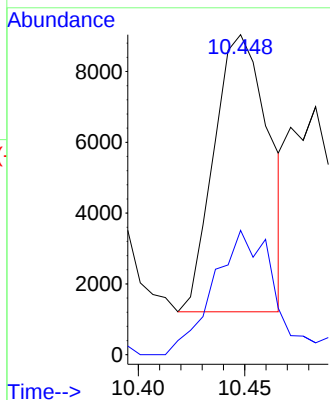
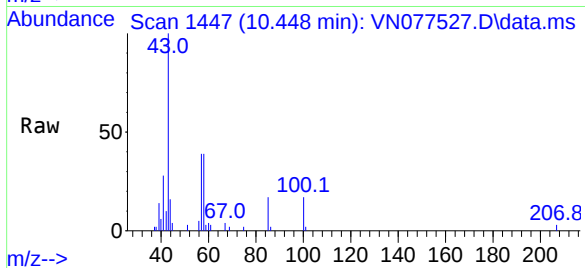




#51
4-Methyl-2-Pentanone
Concen: 1.847 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

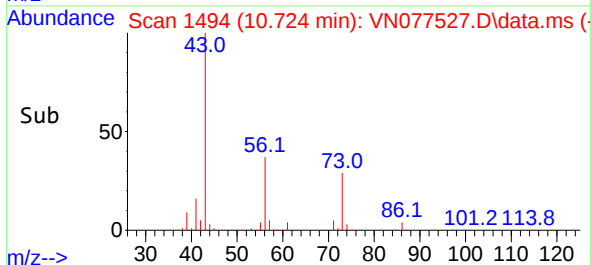
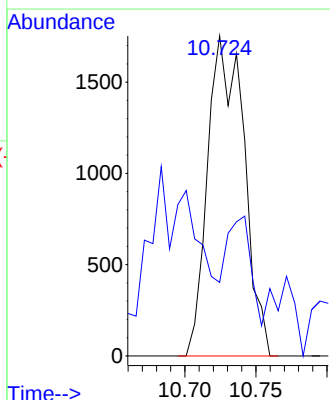
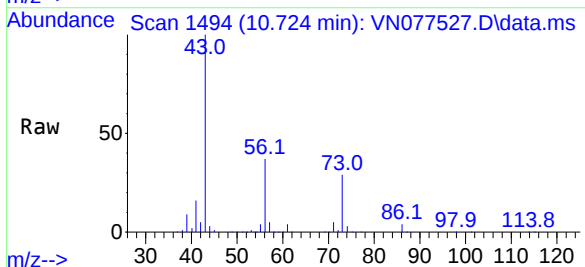
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

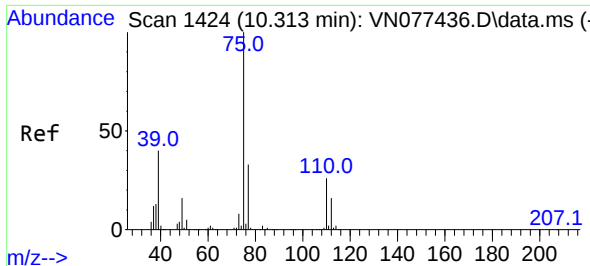
Tgt Ion: 43 Resp: 14025
Ion Ratio Lower Upper
43 100
58 49.9 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.724 min Scan# 1494
Delta R.T. -0.112 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

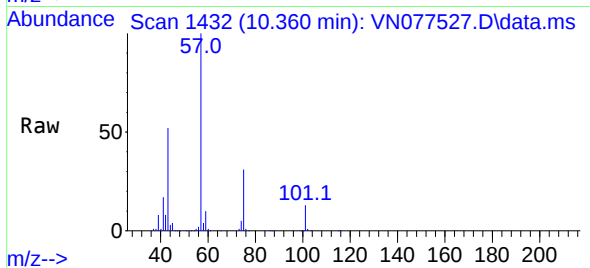
Tgt Ion: 75 Resp: 3108
Ion Ratio Lower Upper
75 100
77 8.9 25.4 38.0#



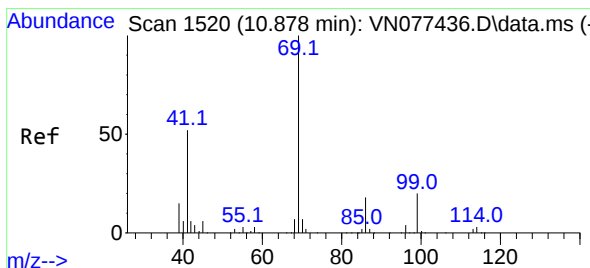
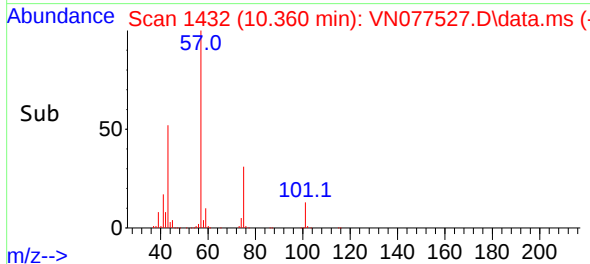
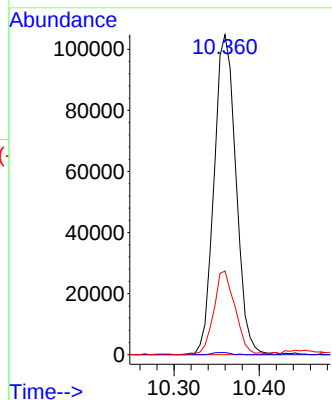


#54
cis-1,3-Dichloropropene
Concen: 15.391 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

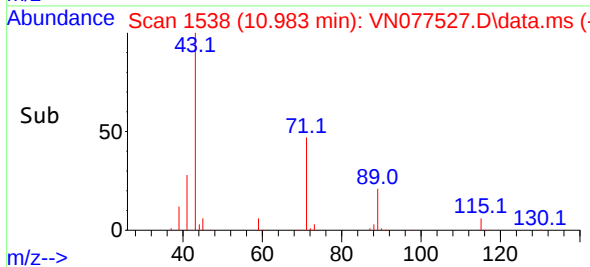
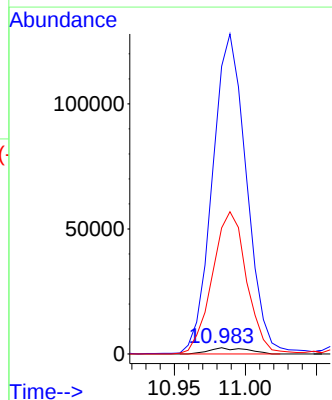
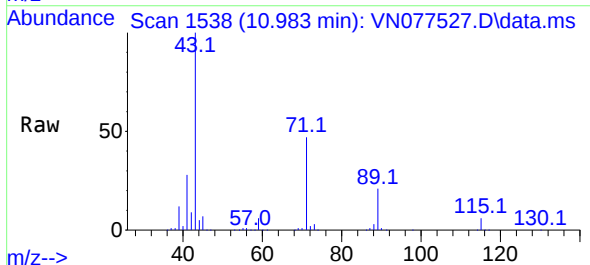


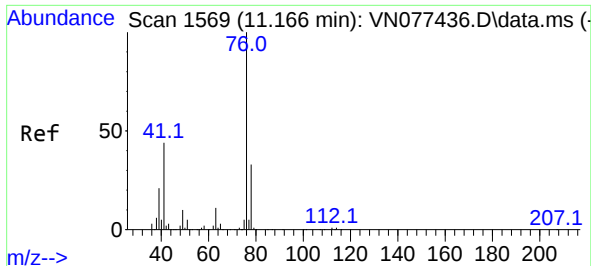
Tgt Ion: 75 Resp: 187081
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 26.1 31.6 47.4#



#56
Ethyl methacrylate
Concen: 0.413 ug/l
RT: 10.983 min Scan# 1538
Delta R.T. 0.106 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 69 Resp: 4574
Ion Ratio Lower Upper
69 100
41 4698.4 39.6 59.4#
39 2094.8 28.6 43.0#

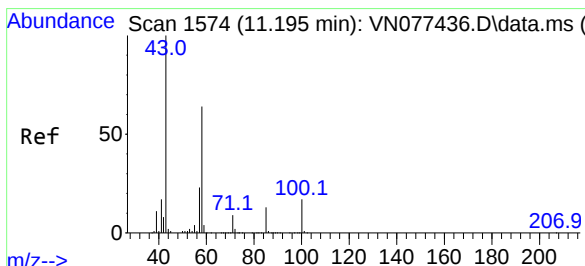
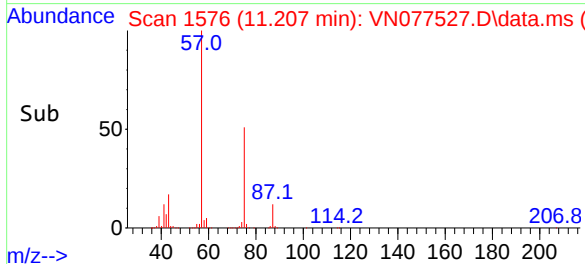
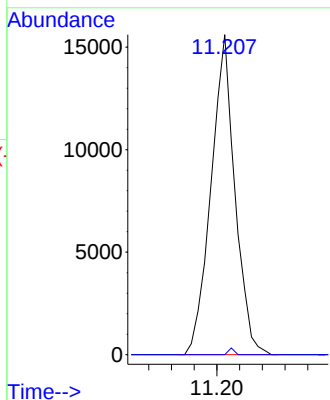
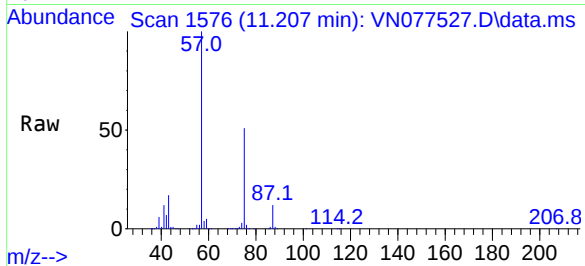




#57
1,3-Dichloropropane
Concen: 1.816 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

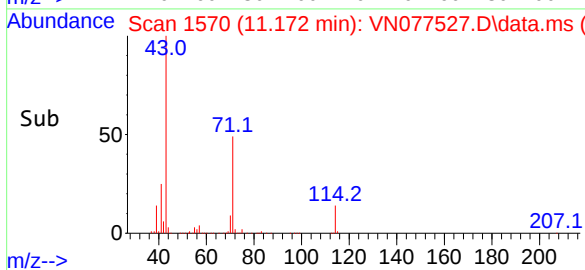
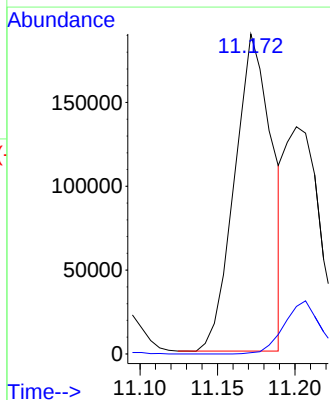
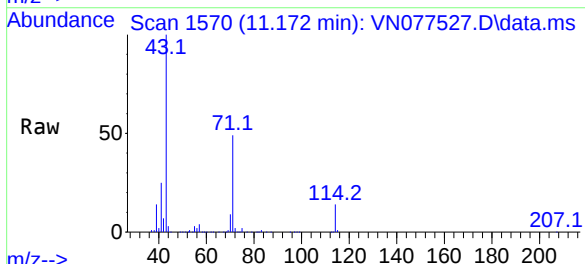
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

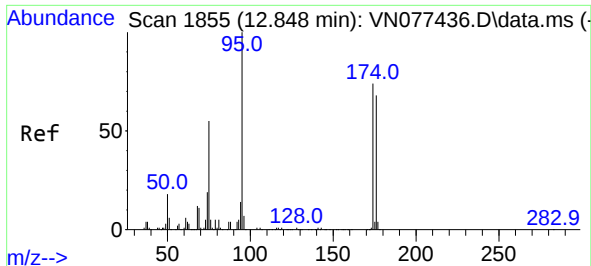
Tgt Ion: 76 Resp: 22855
Ion Ratio Lower Upper
76 100
78 0.5 26.1 39.1#



#59
2-Hexanone
Concen: 57.698 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 43 Resp: 318423
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

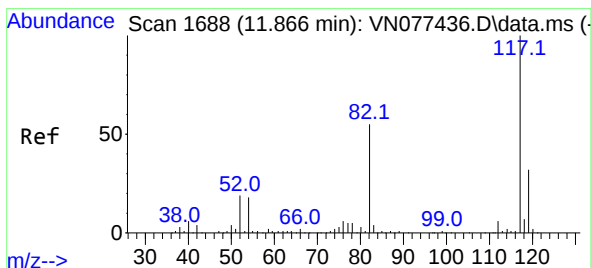
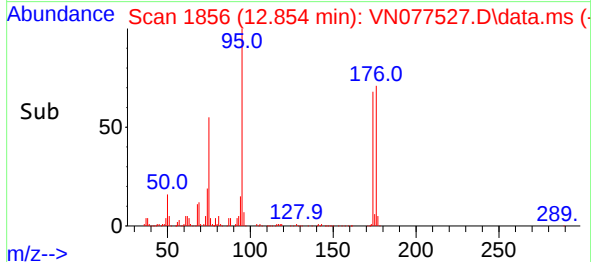
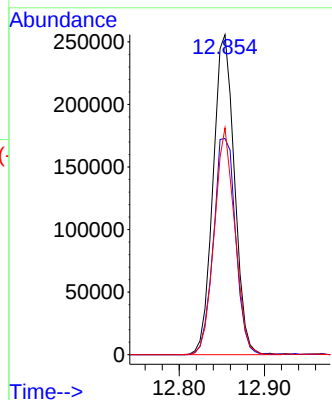
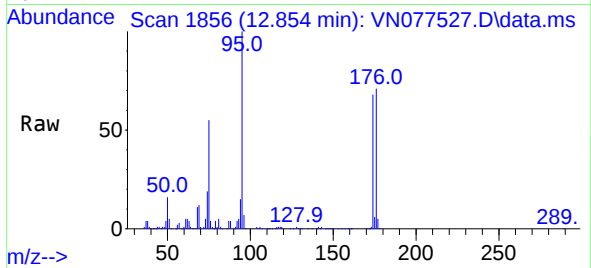




#62
4-Bromofluorobenzene
Concen: 52.033 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

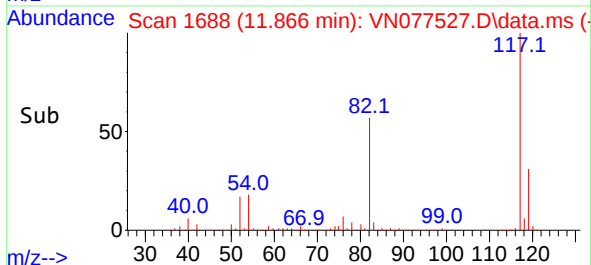
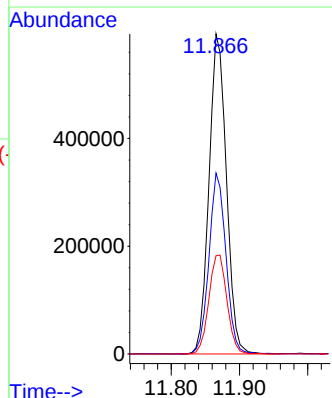
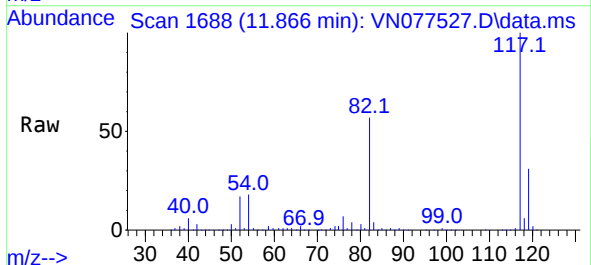
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

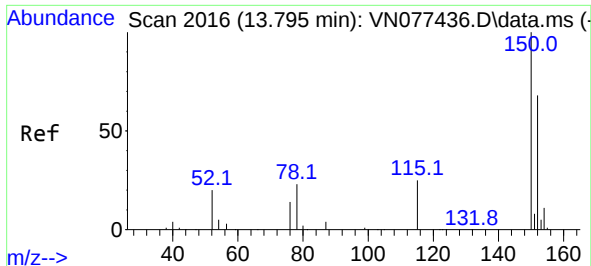
Tgt Ion: 95 Resp: 444681
Ion Ratio Lower Upper
95 100
174 70.4 0.0 143.8
176 68.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 117 Resp: 1054125
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 30.7 25.6 38.4

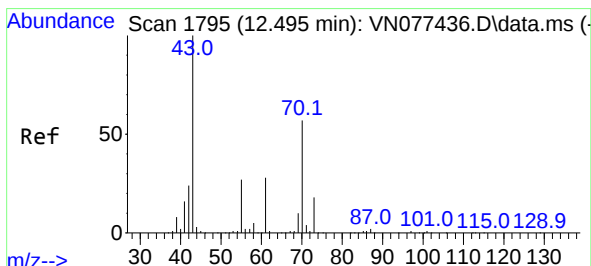
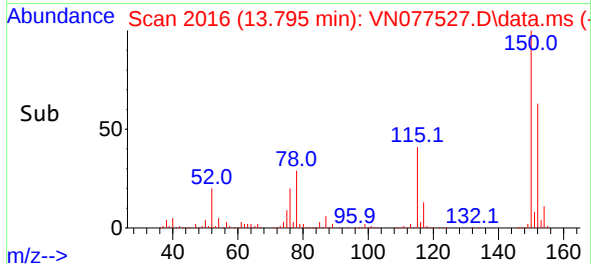
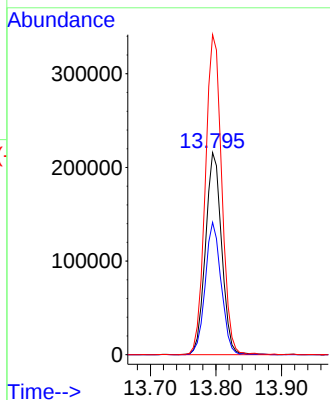
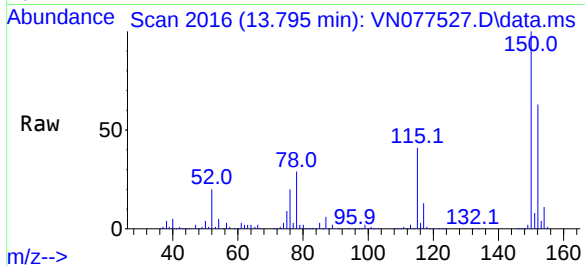




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

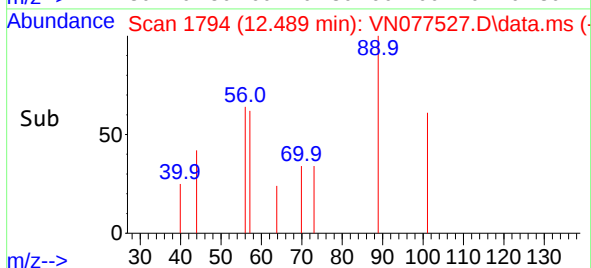
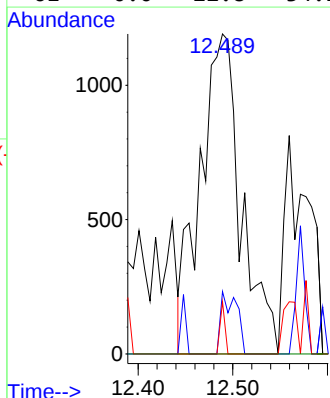
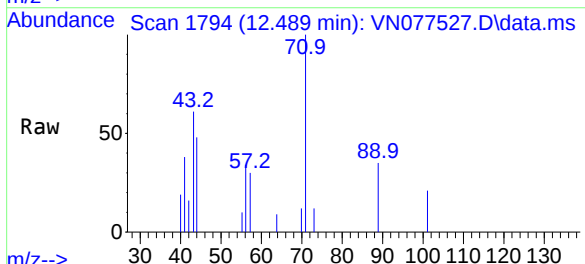
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

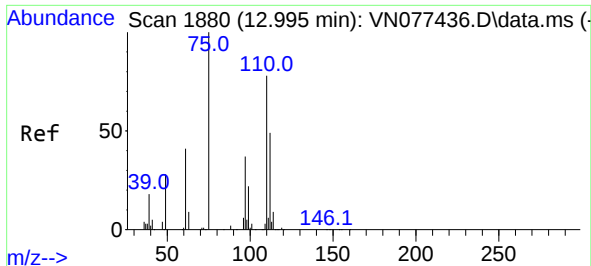
Tgt Ion:152 Resp: 369544
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 160.7 0.0 355.8



#74
N-ethyl acetate
Concen: 0.353 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 43 Resp: 3583
Ion Ratio Lower Upper
43 100
70 7.5 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

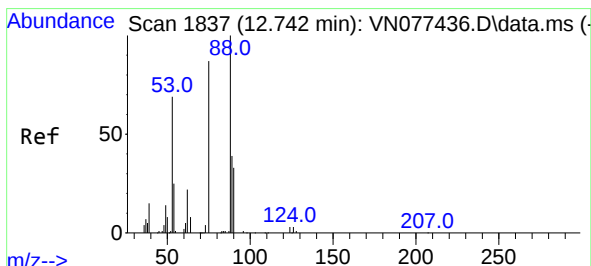
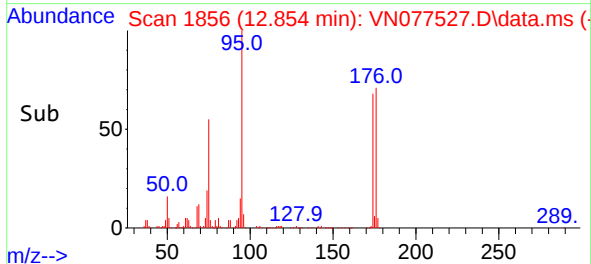
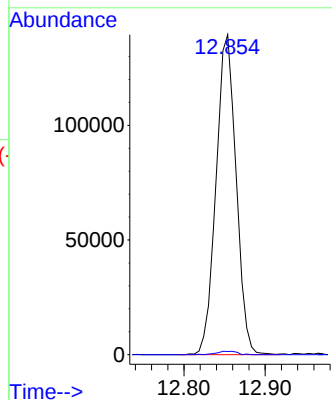
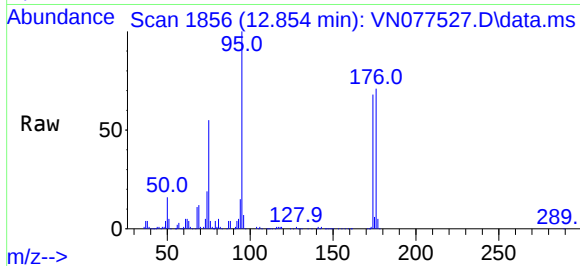




#76
1,2,3-Trichloropropane
Concen: 27.922 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

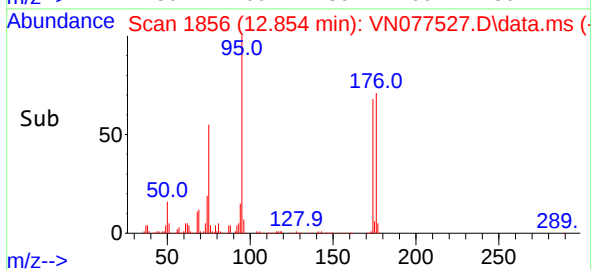
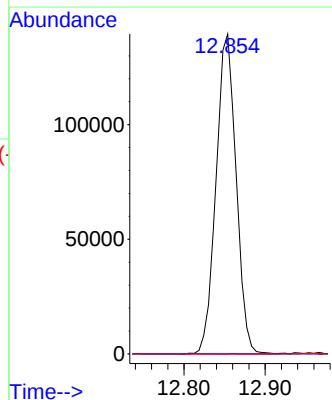
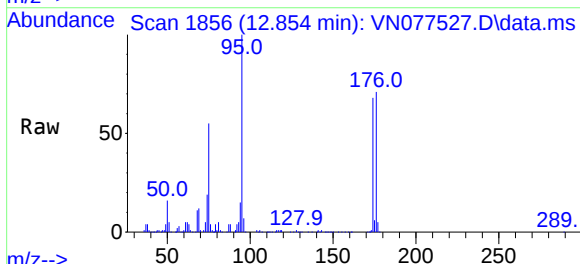
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

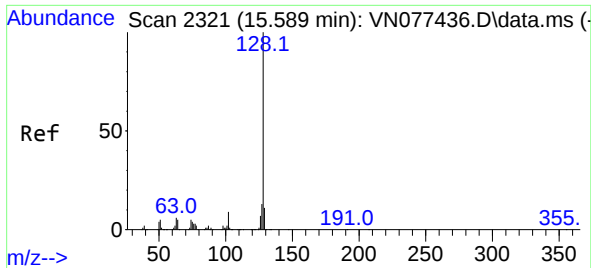
Tgt Ion: 75 Resp: 239944
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.884 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion: 75 Resp: 239944
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

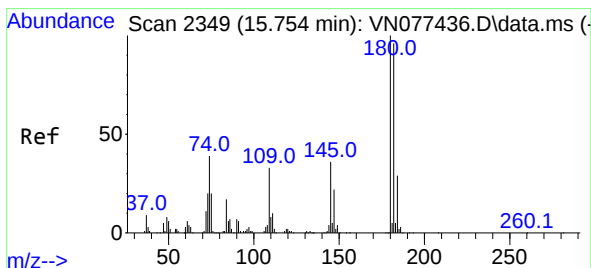
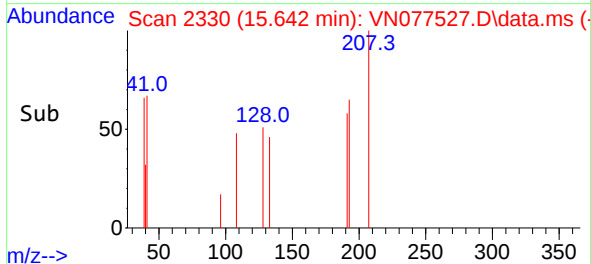
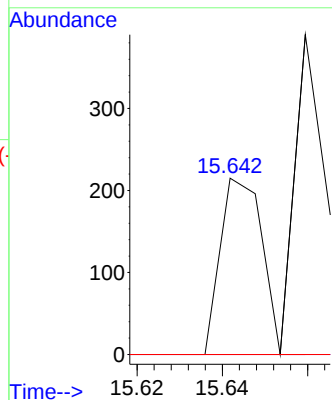
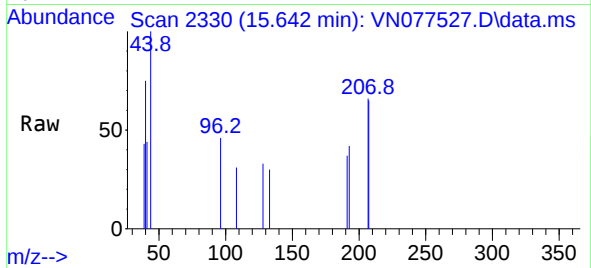




#95
Naphthalene
Concen: 1.155 ug/l
RT: 15.642 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-01

Tgt Ion:128 Resp: 145
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: 0.510 ug/l
RT: 15.830 min Scan# 2362
Delta R.T. 0.076 min
Lab File: VN077527.D
Acq: 29 Apr 2023 18:29

Tgt Ion:180 Resp: 92
Ion Ratio Lower Upper
180 100
182 0.0 46.2 138.6#
145 0.0 17.5 52.6#

