

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075620.D
 Acq On : 07 Dec 2022 20:43
 Operator : JC\MD
 Sample : N5897-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STOCK-PILE

Quant Time: Dec 08 00:24:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

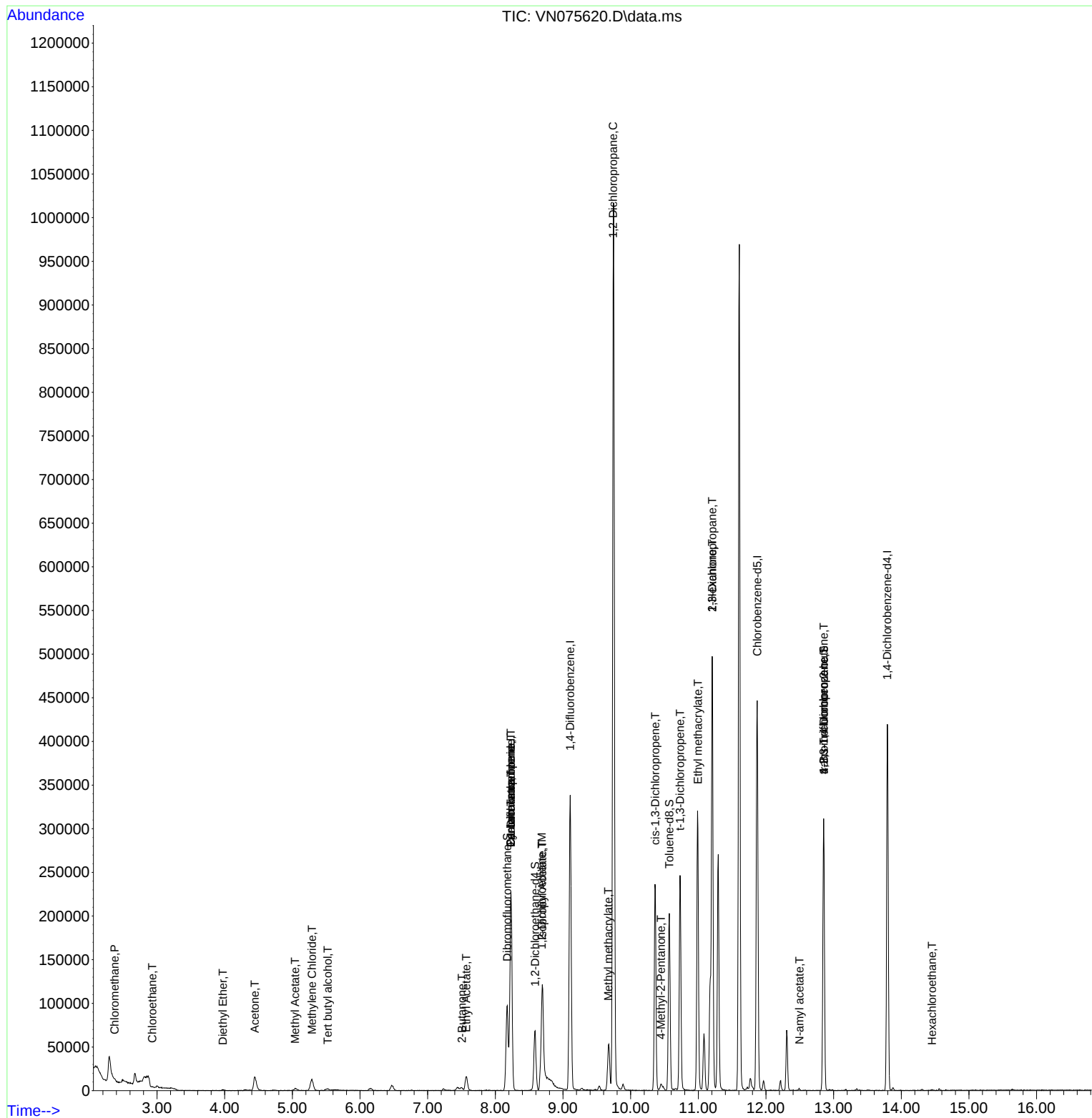
Internal Standards						
1) Pentafluorobenzene	8.230	168	182594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	313491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	280631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	55902	57.035	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.060%	
35) Dibromofluoromethane	8.177	113	70002	56.843	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.680%	
50) Toluene-d8	10.571	98	144337	52.038	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	12.853	95	104333	50.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.920%	
Target Compounds						Qvalue
3) Chloromethane	2.371	50	355	0.204	ug/l #	42
6) Chloroethane	2.930	64	762	0.459	ug/l	97
8) Diethyl Ether	3.971	74	574	0.524	ug/l	63
11) Tert butyl alcohol	5.524	59	970	2.358	ug/l #	72
16) Acetone	4.447	43	29415	32.175	ug/l	97
18) Methyl Acetate	5.042	43	4721	0.773	ug/l	100
20) Methylene Chloride	5.289	84	11069	4.815	ug/l	87
25) 2-Butanone	7.506	43	5641	4.420	ug/l	95
31) Cyclohexane	8.230	56	3315	1.065	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	12670	4.718	ug/l #	50
37) Ethyl Acetate	7.571	43	24316	10.055	ug/l	100
38) Carbon Tetrachloride	8.230	117	18115	6.140	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	561	0.204	ug/l #	75
43) Isopropyl Acetate	8.694	43	168308	43.361	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1359	0.694	ug/l #	42
48) Methyl methacrylate	9.671	41	2918	1.626	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	7989	3.232	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	717	0.249	ug/l	95
54) cis-1,3-Dichloropropene	10.365	75	46934	14.997	ug/l #	62
56) Ethyl methacrylate	10.994	69	1004	0.344	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5281	1.501	ug/l #	42
59) 2-Hexanone	11.206	43	54006	29.092	ug/l #	54
74) N-amyl acetate	12.494	43	1323	0.476	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	51875	22.185	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51875	65.640	ug/l #	10
90) Hexachloroethane	14.453	117	682	0.506	ug/l #	19

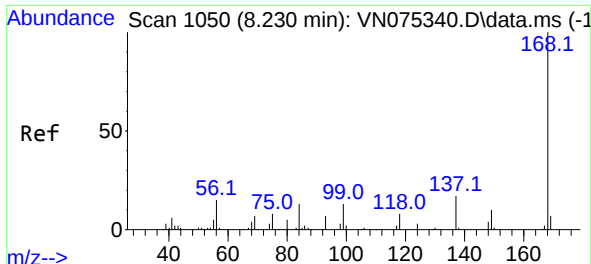
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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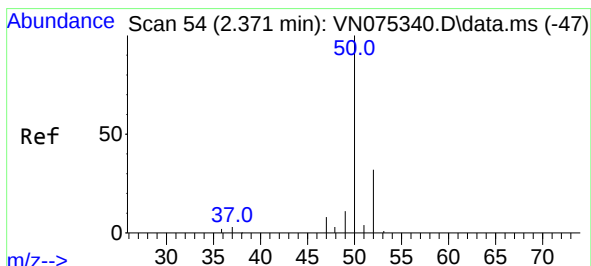
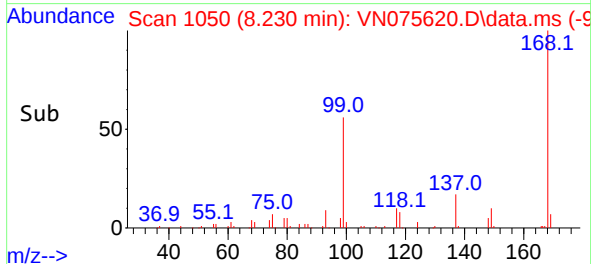
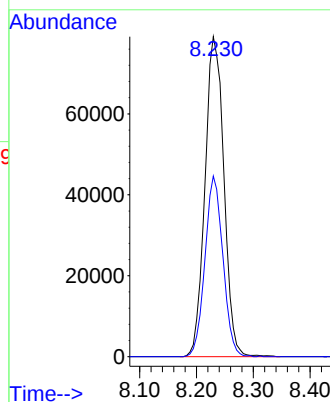
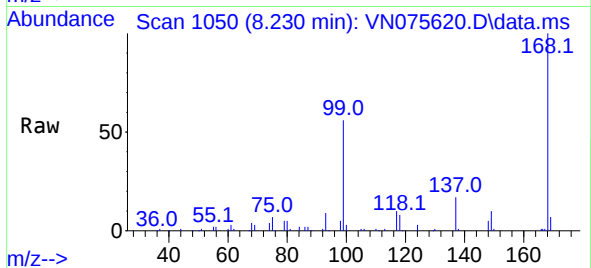




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

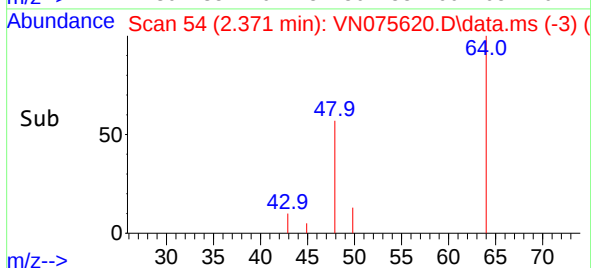
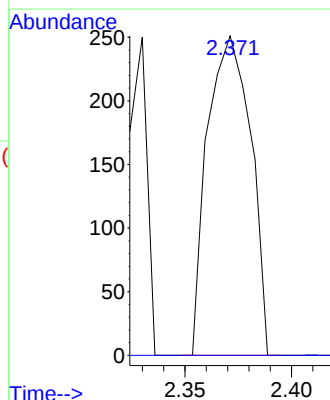
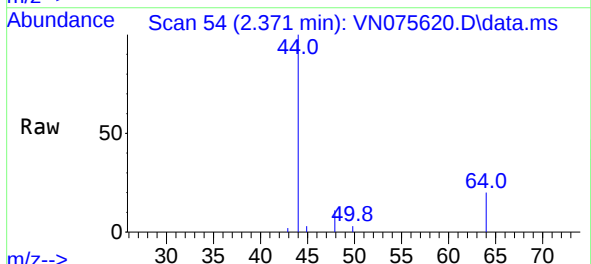
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

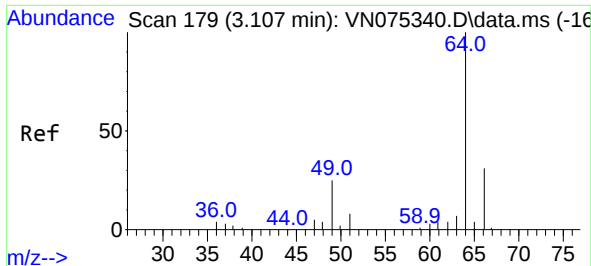
Tgt Ion:168 Resp: 182594
Ion Ratio Lower Upper
168 100
99 56.4 51.6 77.4



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 50 Resp: 355
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

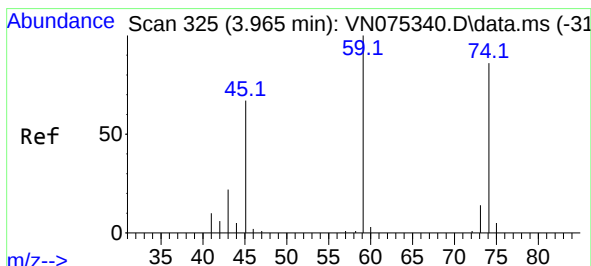
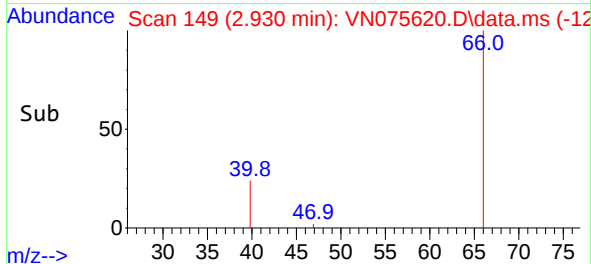
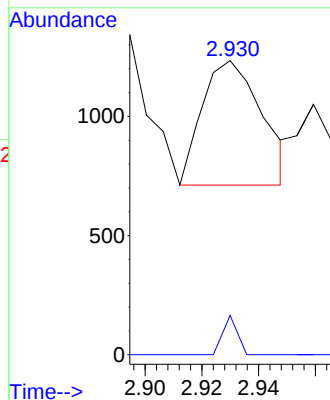
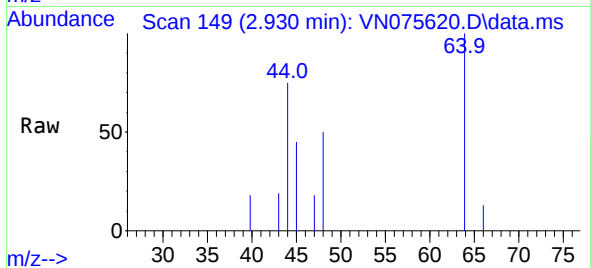




#6
Chloroethane
Concen: 0.459 ug/l
RT: 2.930 min Scan# 14
Delta R.T. -0.177 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

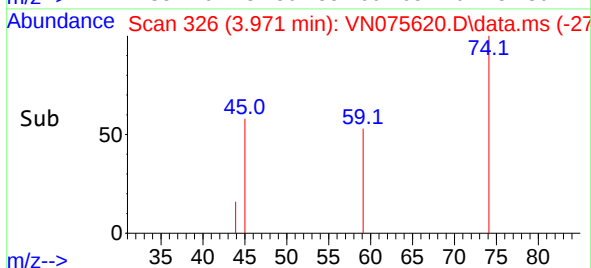
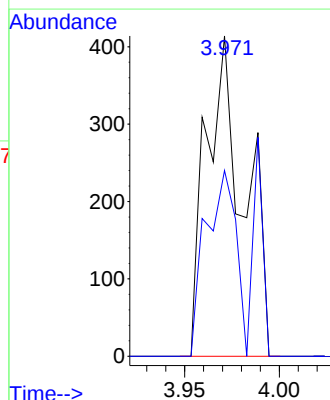
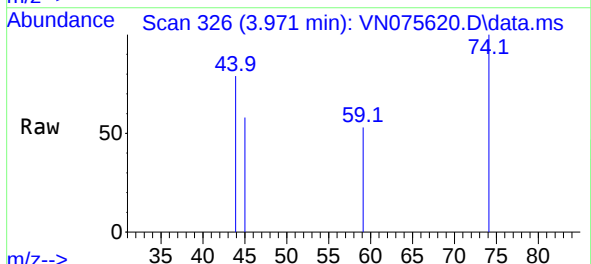
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

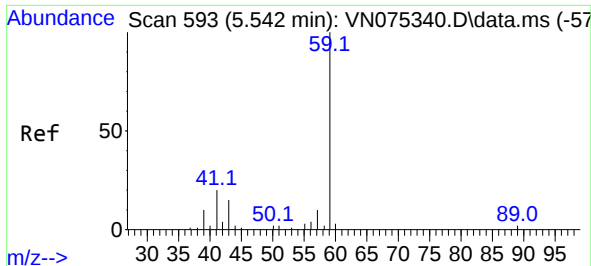
Tgt Ion: 64 Resp: 762
Ion Ratio Lower Upper
64 100
66 31.6 23.8 35.8



#8
Diethyl Ether
Concen: 0.524 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 74 Resp: 574
Ion Ratio Lower Upper
74 100
45 46.5 39.3 117.9





#11

Tert butyl alcohol

Concen: 2.358 ug/l

RT: 5.524 min Scan# 59

Delta R.T. -0.018 min

Lab File: VN075620.D

Acq: 07 Dec 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

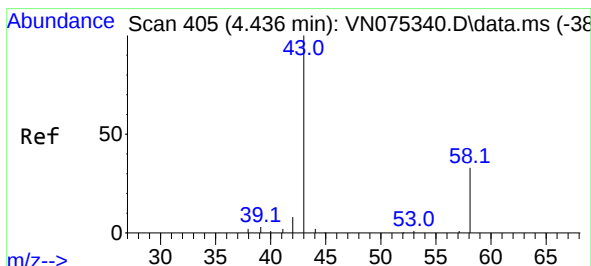
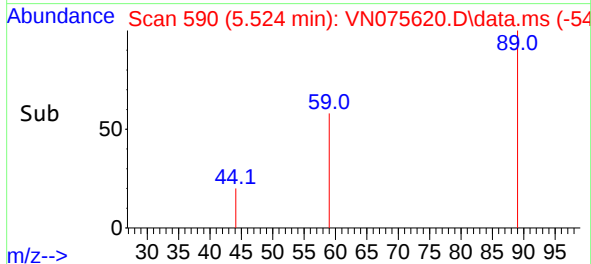
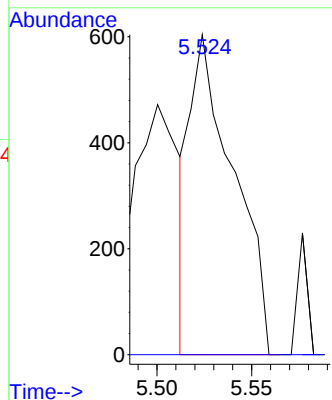
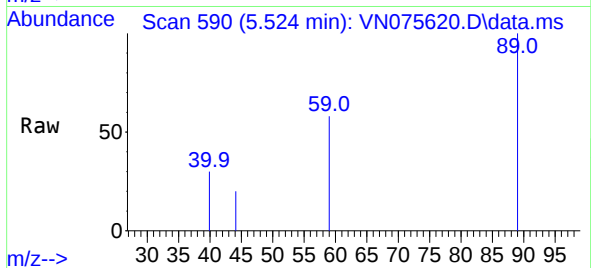
STOCK-PILE

Tgt Ion: 59 Resp: 970

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 32.175 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.011 min

Lab File: VN075620.D

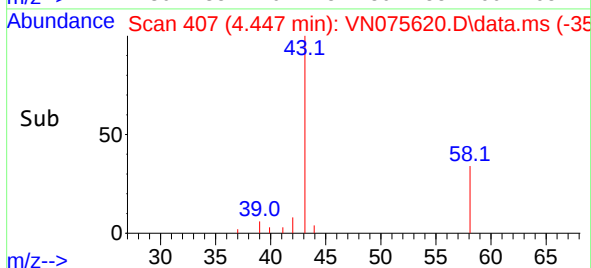
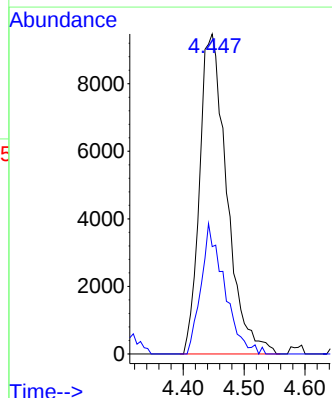
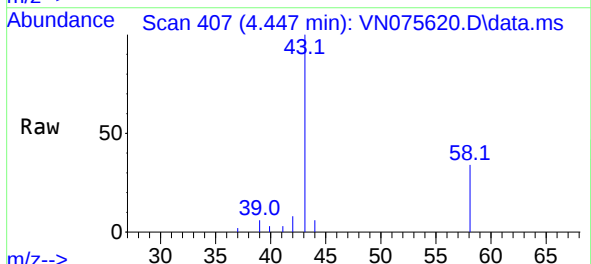
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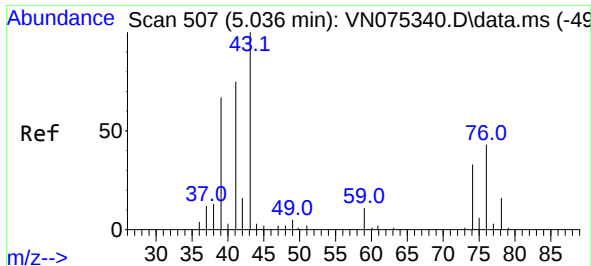
Tgt Ion: 43 Resp: 29415

Ion Ratio Lower Upper

43 100

58 33.6 25.5 38.3

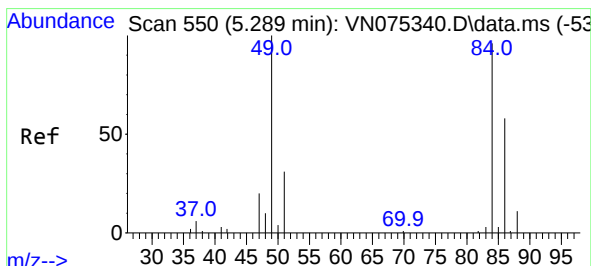
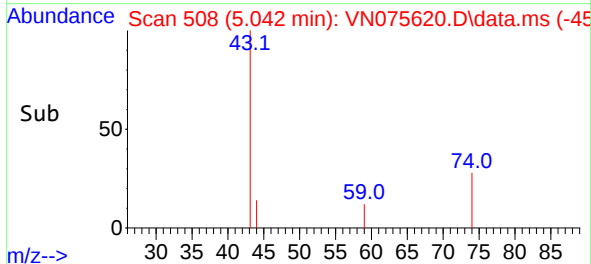
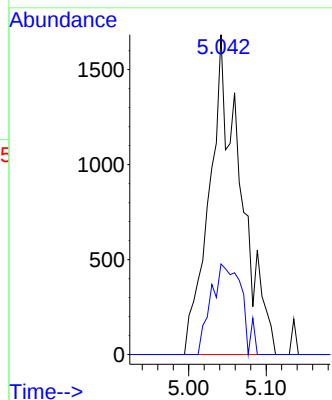
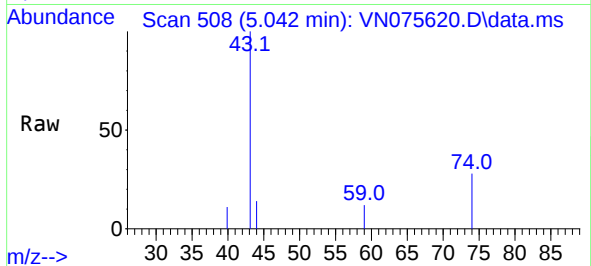




#18
Methyl Acetate
Concen: 0.773 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

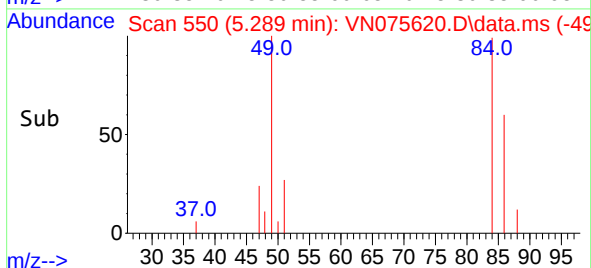
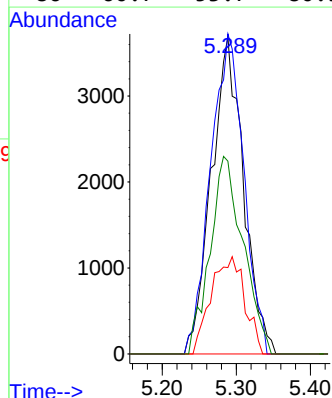
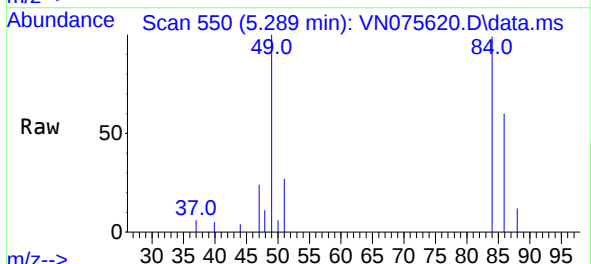
Instrument :
MSVOA_N
ClientSampleId :
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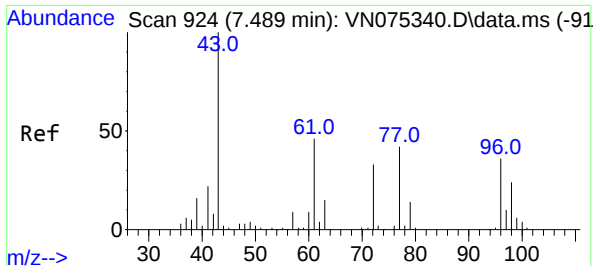
Tgt Ion: 43 Resp: 4721
Ion Ratio Lower Upper
43 100
74 27.7 22.0 33.0



#20
Methylene Chloride
Concen: 4.815 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 84 Resp: 11069
Ion Ratio Lower Upper
84 100
49 100.8 94.9 142.3
51 27.2 26.8 40.2
86 60.7 53.7 80.5

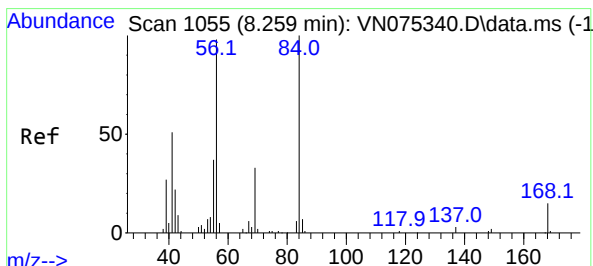
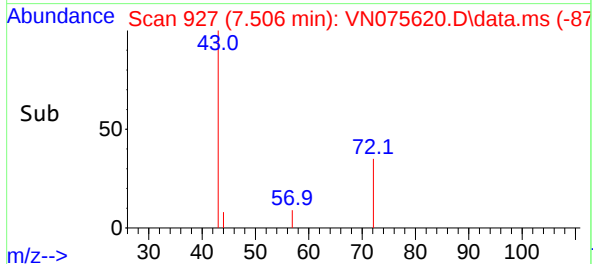
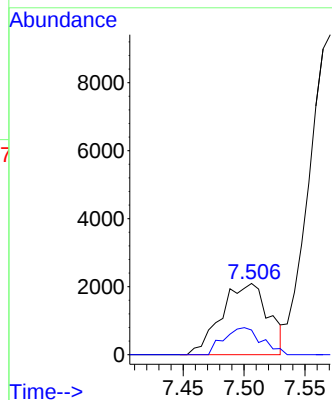
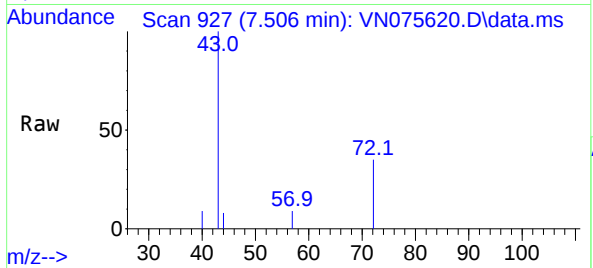




#25
2-Butanone
Concen: 4.420 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

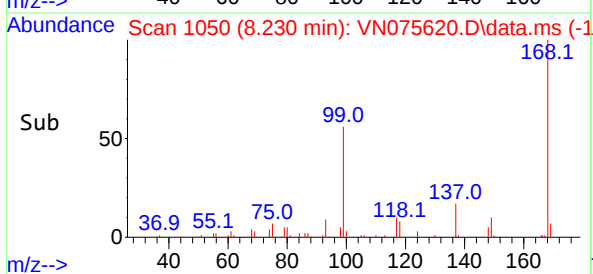
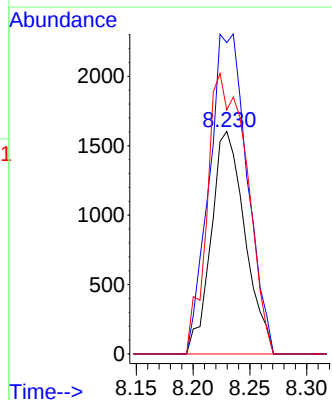
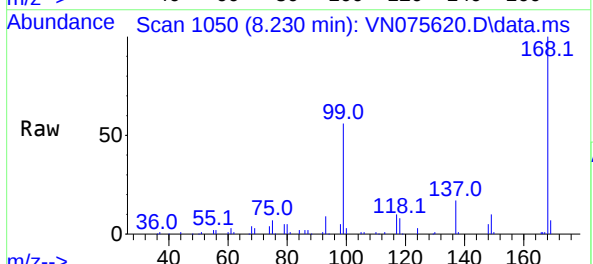
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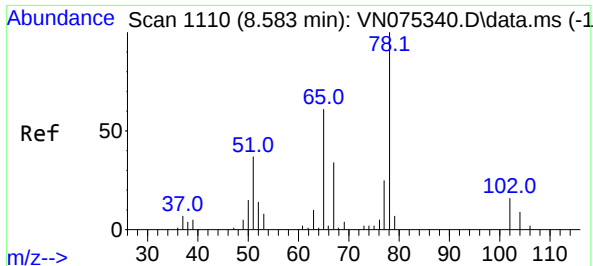
Tgt Ion: 43 Resp: 5641
Ion Ratio Lower Upper
43 100
72 34.6 25.5 38.3



#31
Cyclohexane
Concen: 1.065 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 56 Resp: 3315
Ion Ratio Lower Upper
56 100
69 139.9 25.2 37.8#
84 109.7 77.8 116.8

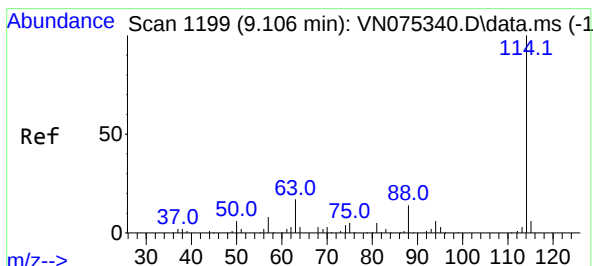
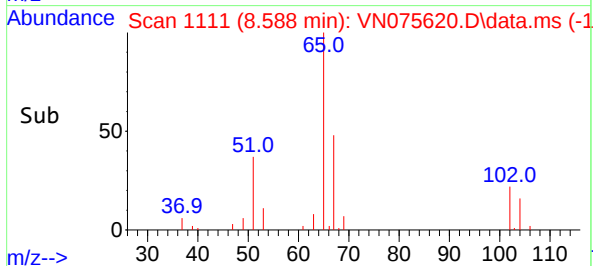
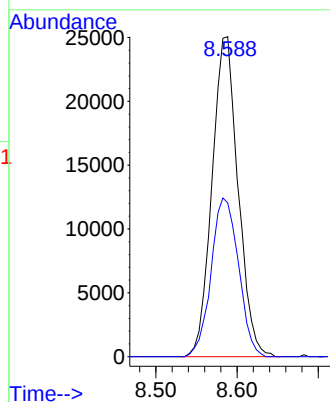
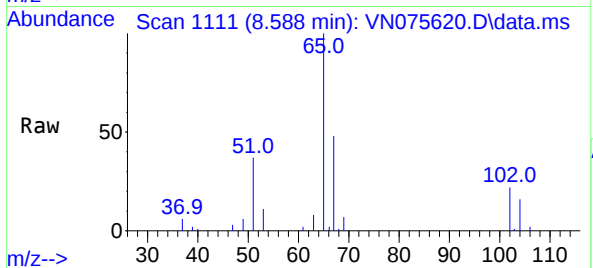




#33
1,2-Dichloroethane-d4
Concen: 57.035 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.005 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

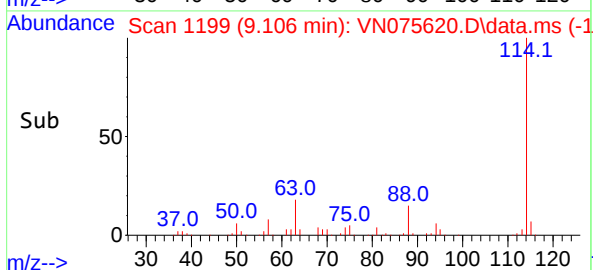
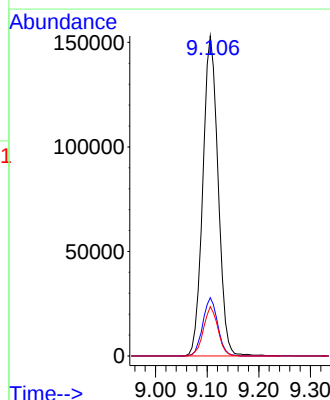
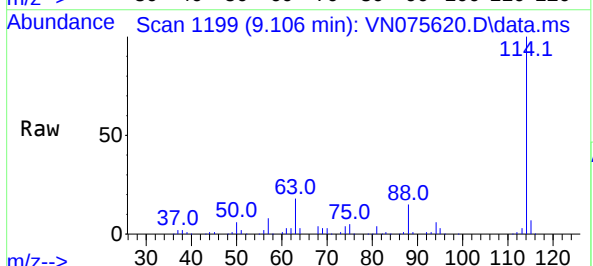
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STOCK-PILE

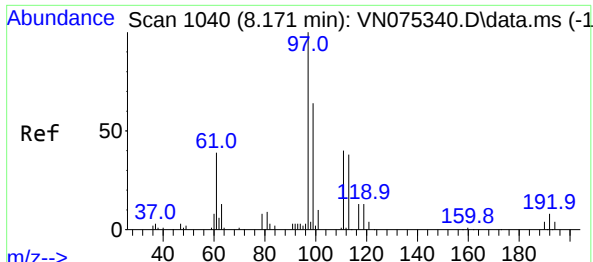
Tgt Ion: 65 Resp: 55902
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 114 Resp: 313491
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.6
88 15.4 0.0 29.0

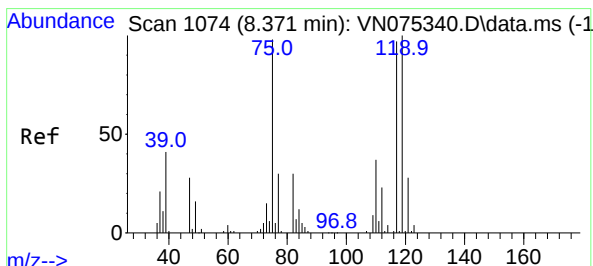
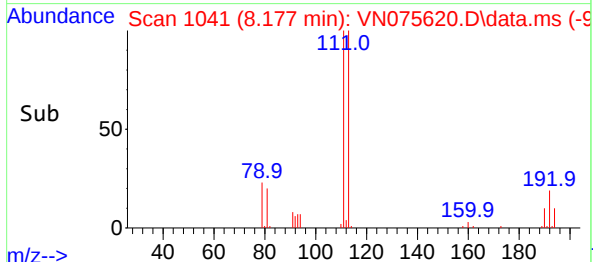
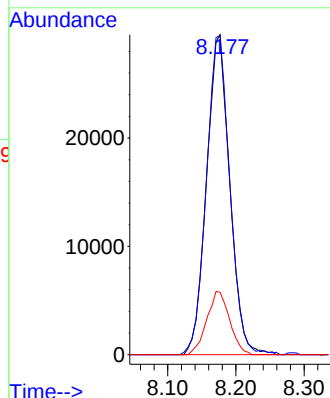
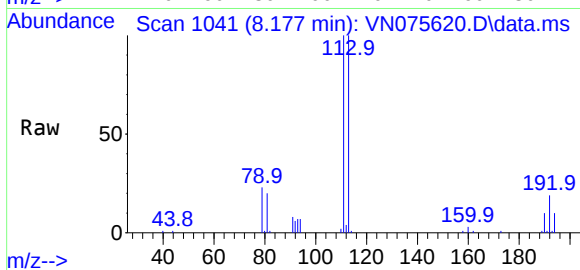




#35
Dibromofluoromethane
Concen: 56.843 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

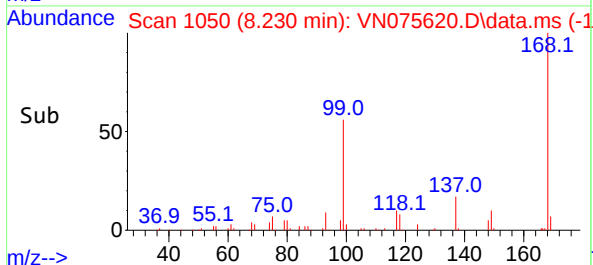
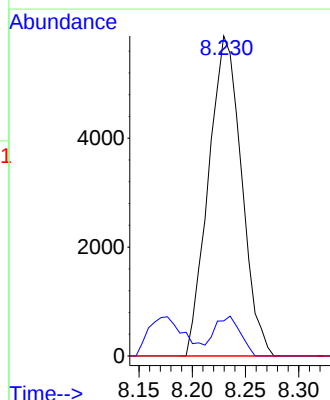
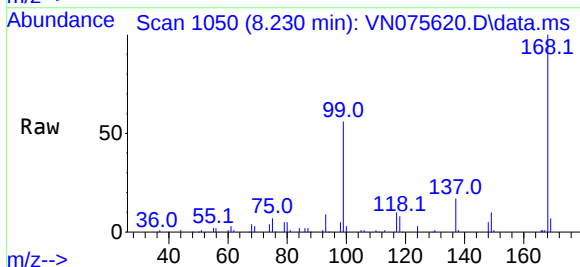
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

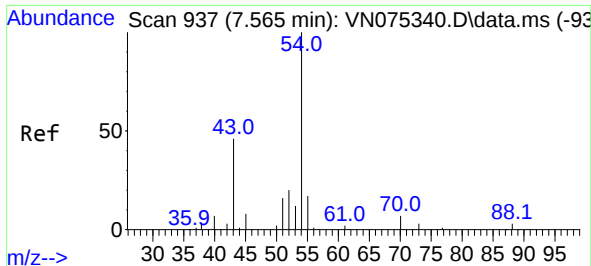
Tgt Ion:113 Resp: 70002
Ion Ratio Lower Upper
113 100
111 100.8 80.5 120.7
192 19.5 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.718 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 75 Resp: 12670
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 24.6 37.0#

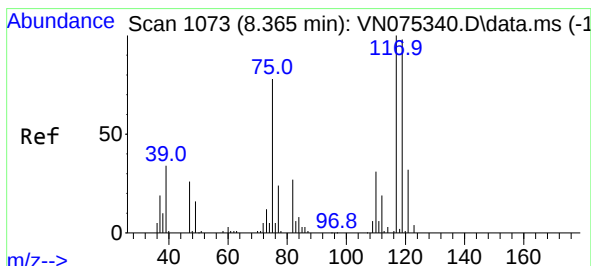
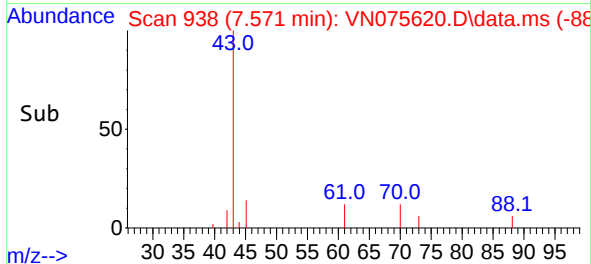
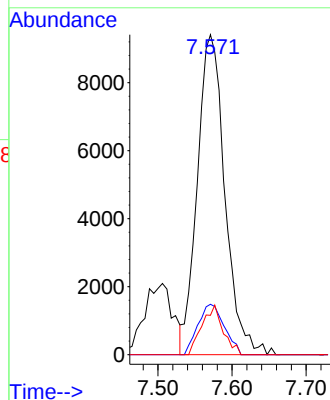
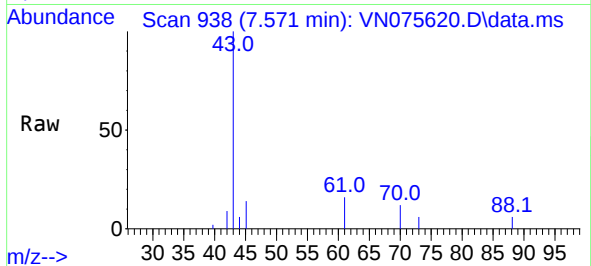




#37
Ethyl Acetate
Concen: 10.055 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

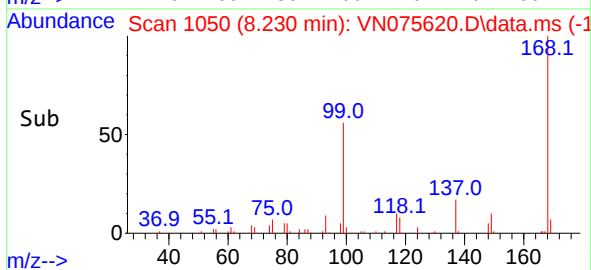
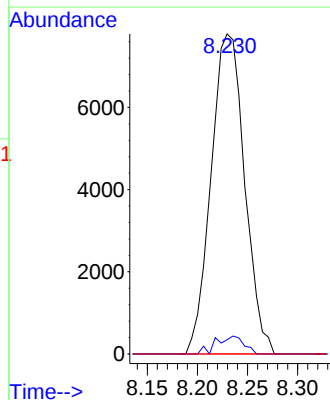
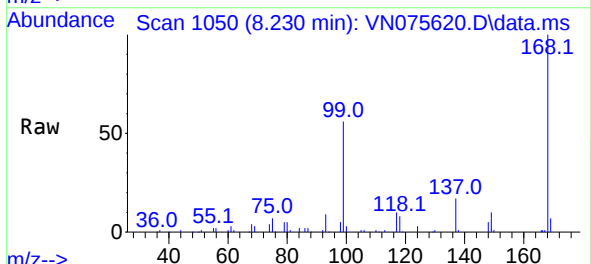
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

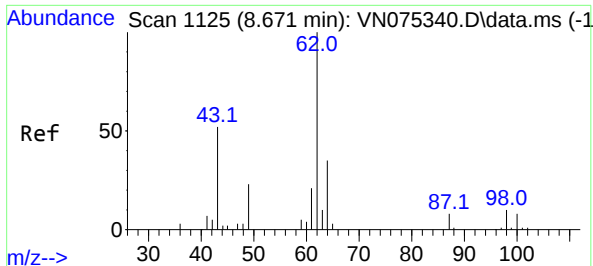
Tgt Ion: 43 Resp: 24316
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.4
70 11.9 9.4 14.2



#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 117 Resp: 18115
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 23.9 35.9#

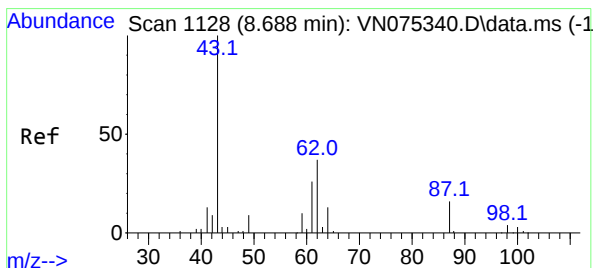
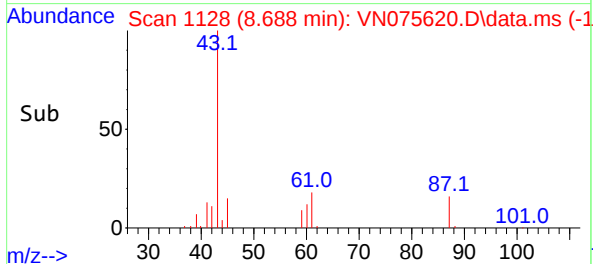
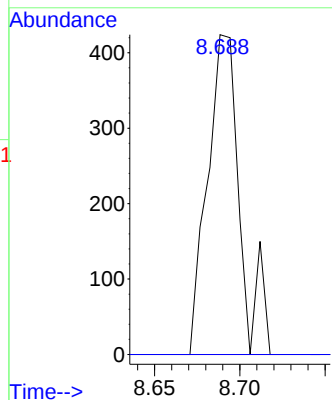
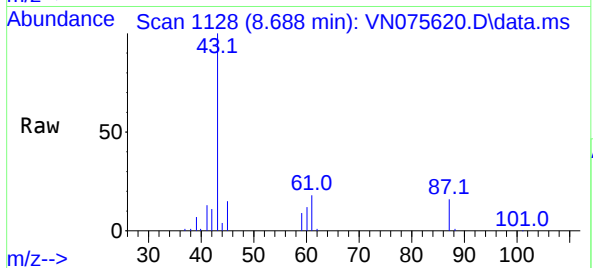




#42
1,2-Dichloroethane
Concen: 0.204 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

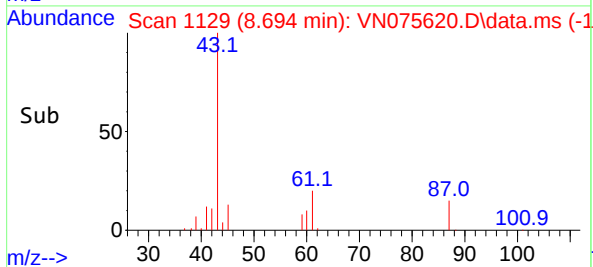
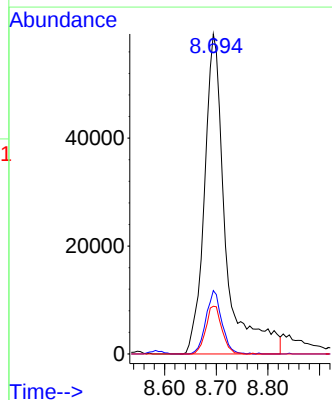
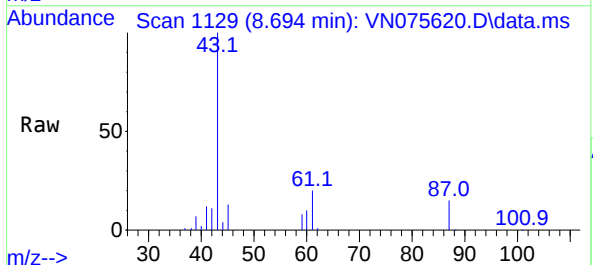
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

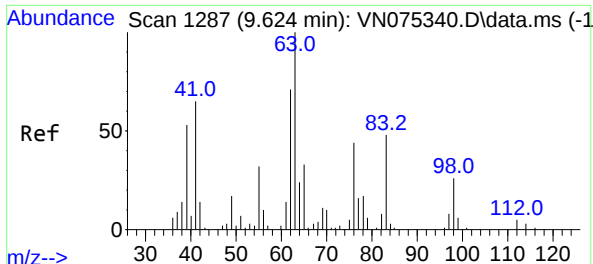
Tgt Ion: 62 Resp: 561
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 43.361 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 43 Resp: 168308
Ion Ratio Lower Upper
43 100
61 14.8 22.4 33.6#
87 11.3 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.694 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075620.D

Acq: 07 Dec 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

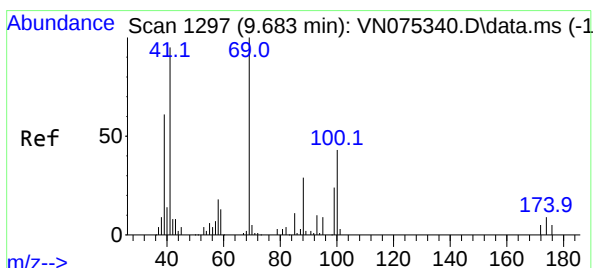
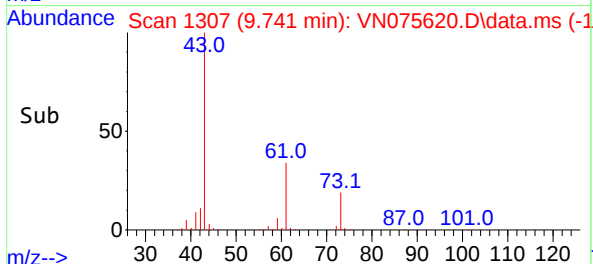
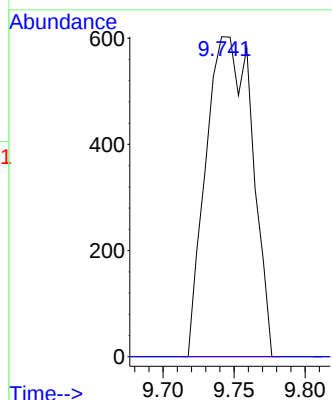
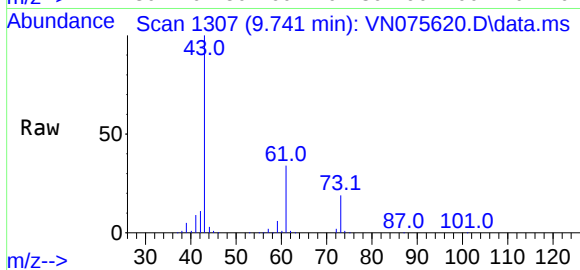
STOCK-PILE

Tgt Ion: 63 Resp: 1359

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.626 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075620.D

Acq: 07 Dec 2022 20:43

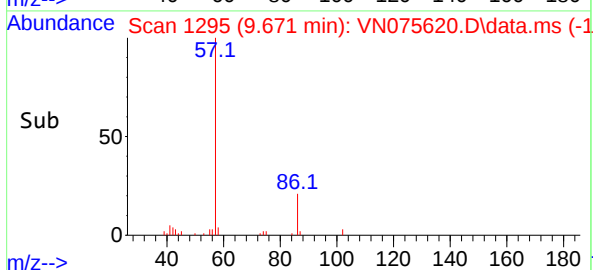
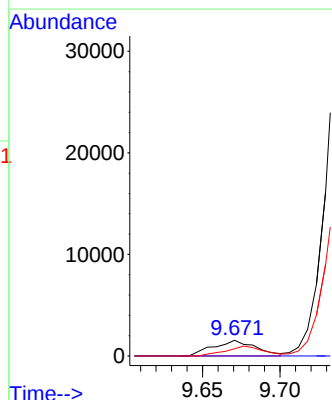
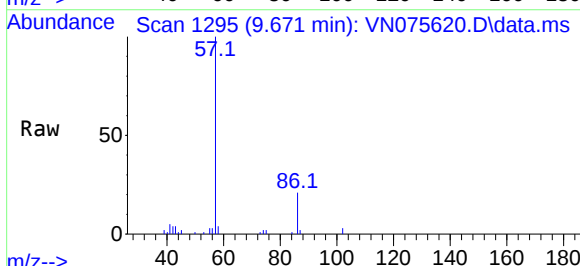
Tgt Ion: 41 Resp: 2918

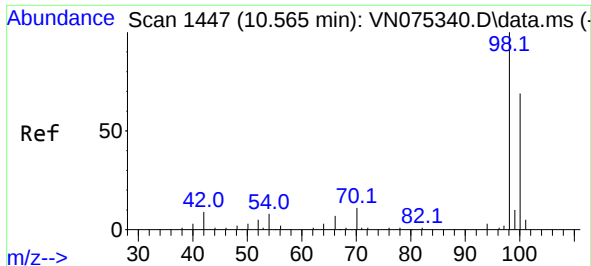
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.4 56.2 84.2#

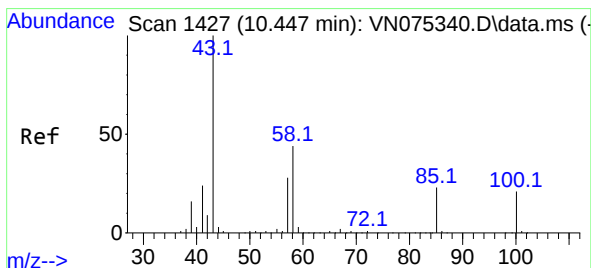
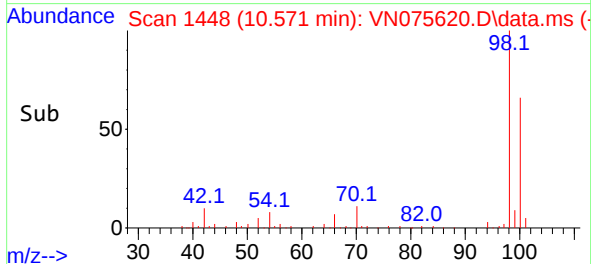
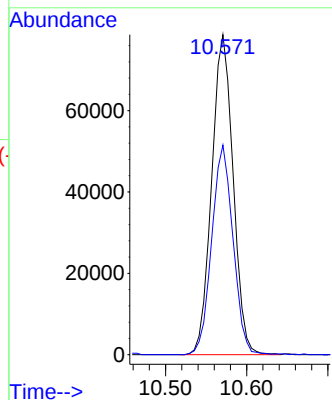
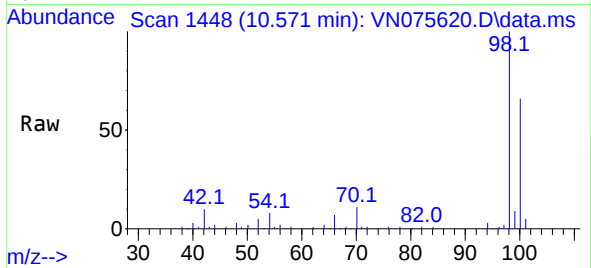




#50
Toluene-d8
Concen: 52.038 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

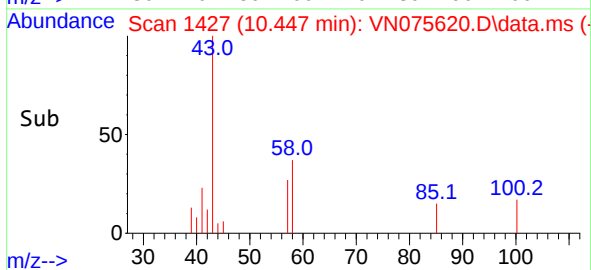
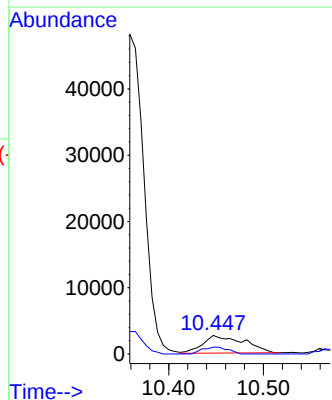
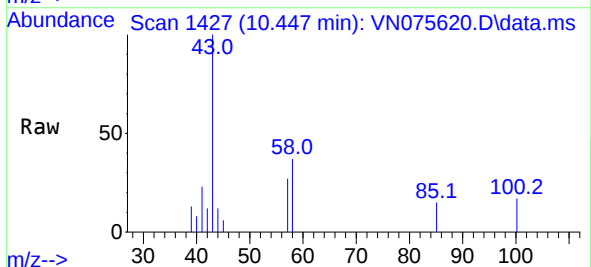
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

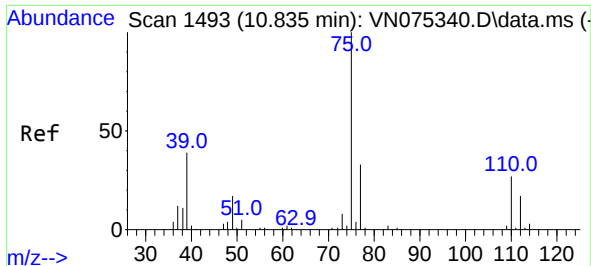
Tgt Ion: 98 Resp: 144337
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 3.232 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 43 Resp: 7989
Ion Ratio Lower Upper
43 100
58 24.7 33.6 50.4#

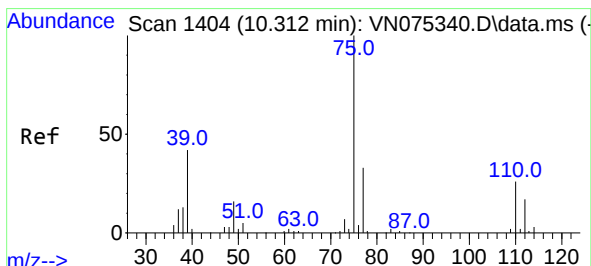
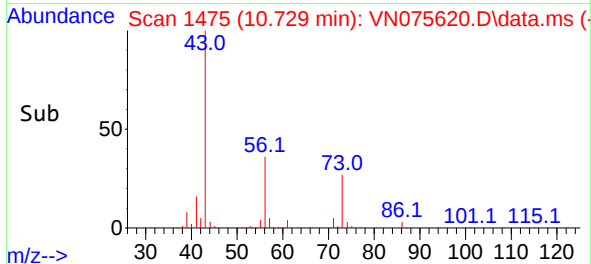
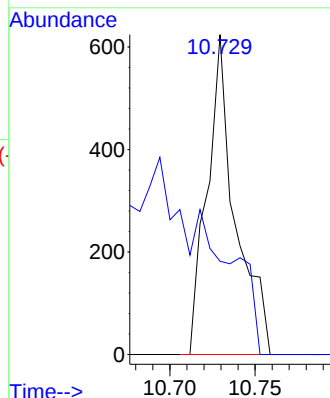
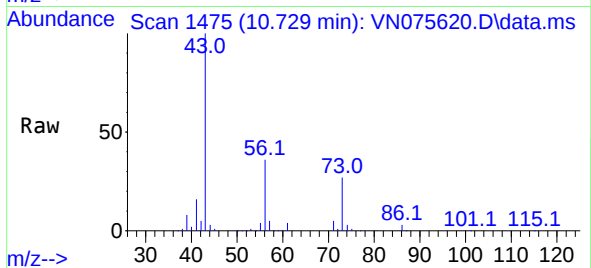




#53
t-1,3-Dichloropropene
Concen: 0.249 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

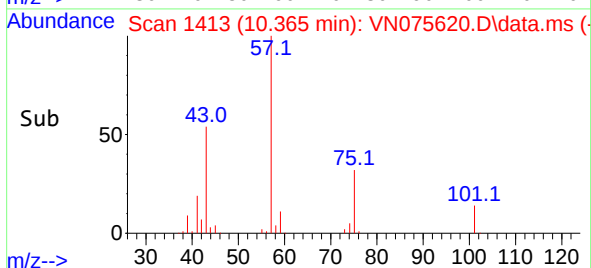
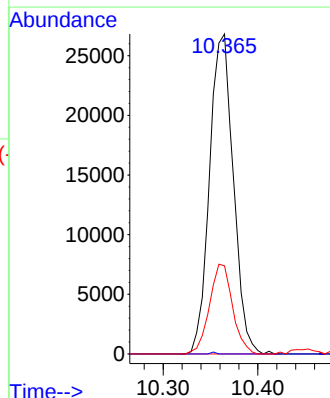
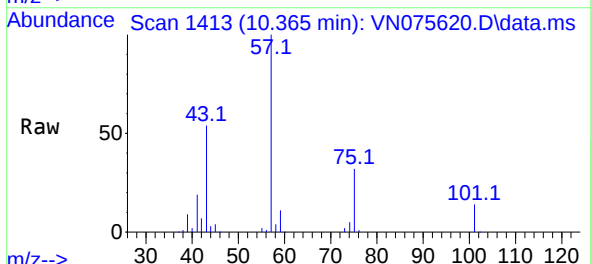
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

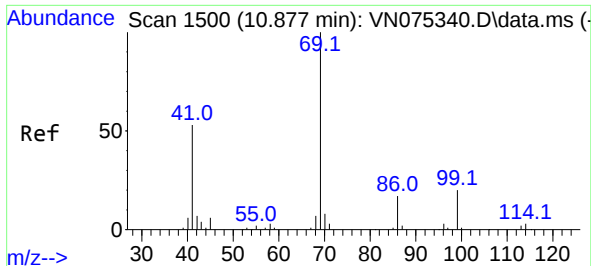
Tgt Ion: 75 Resp: 717
Ion Ratio Lower Upper
75 100
77 29.2 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 14.997 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 75 Resp: 46934
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 27.5 35.8 53.6#

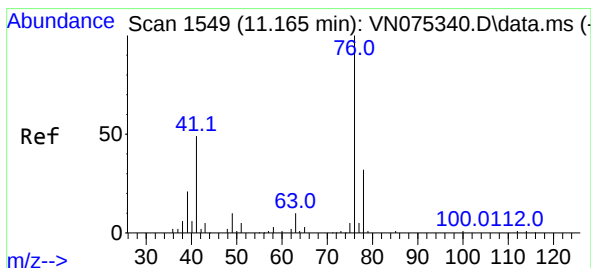
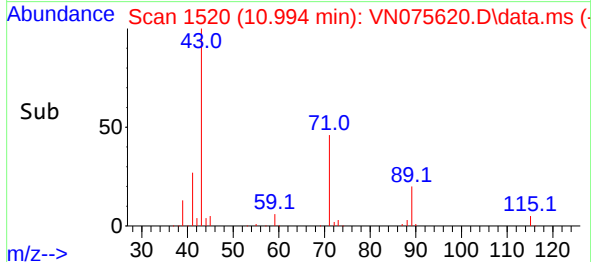
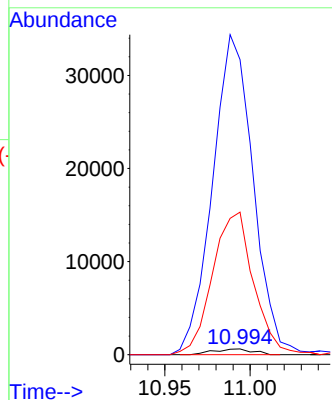
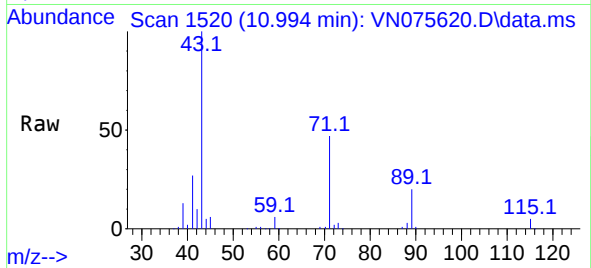




#56
Ethyl methacrylate
Concen: 0.344 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

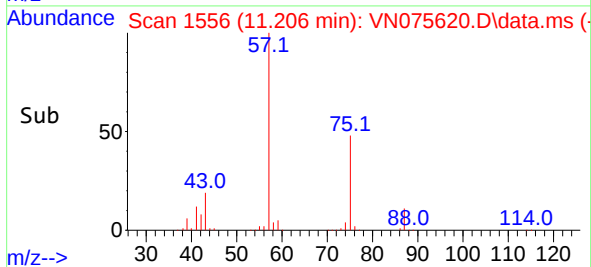
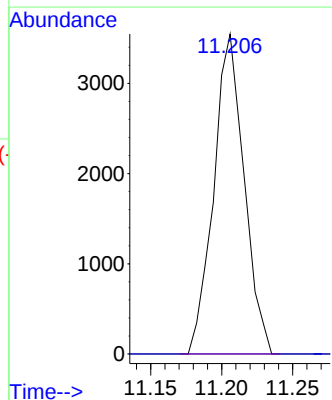
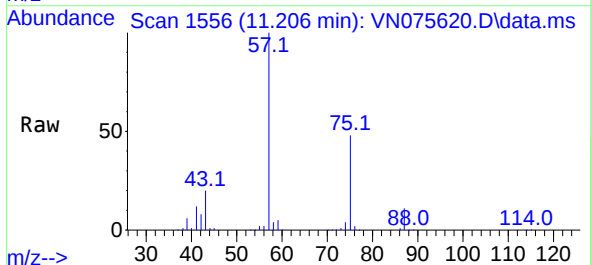
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

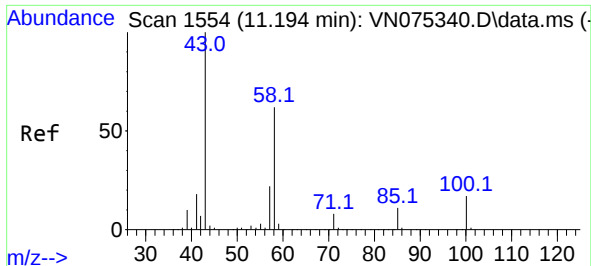
Tgt Ion: 69 Resp: 1004
Ion Ratio Lower Upper
69 100
41 5688.2 45.6 68.4#
39 2553.7 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.501 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 76 Resp: 5281
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

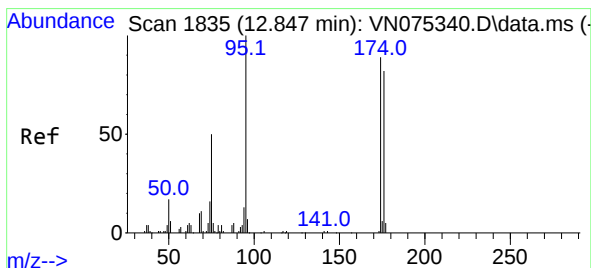
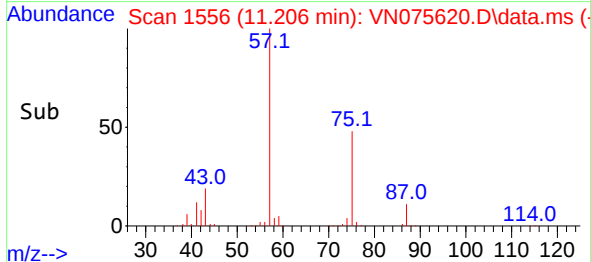
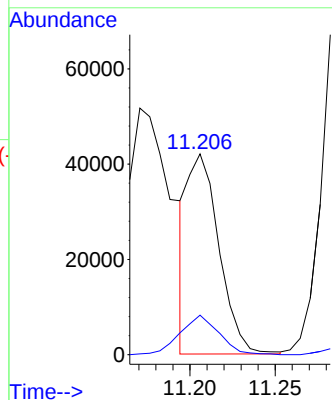
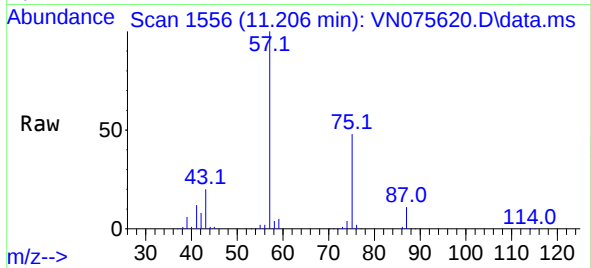




#59
2-Hexanone
Concen: 29.092 ug/l
RT: 11.206 min Scan# 11555
Delta R.T. 0.012 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

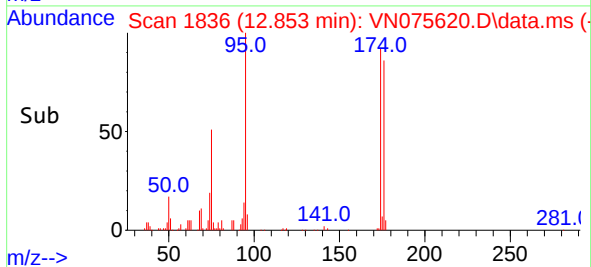
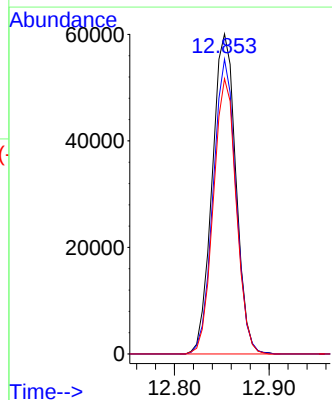
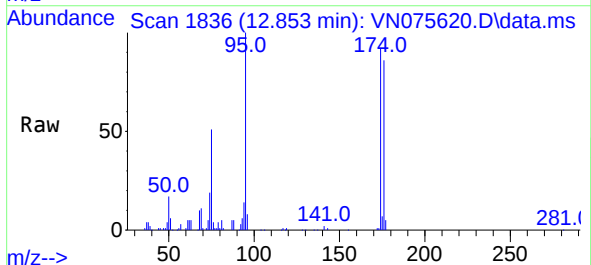
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

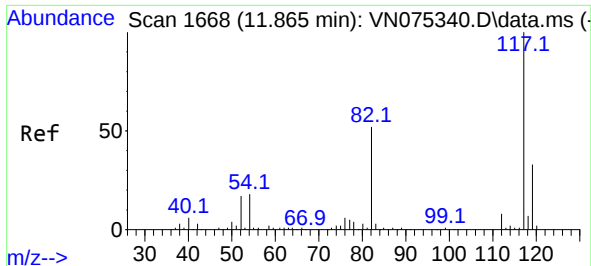
Tgt Ion: 43 Resp: 54006
Ion Ratio Lower Upper
43 100
58 24.4 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.962 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 95 Resp: 104333
Ion Ratio Lower Upper
95 100
174 88.5 0.0 147.4
176 83.1 0.0 142.2

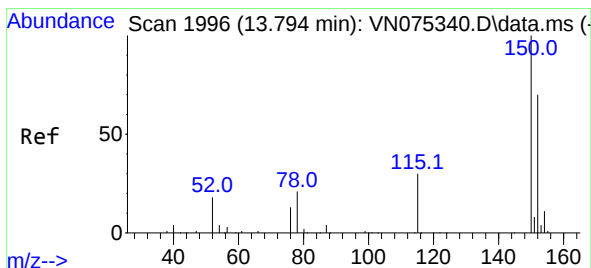
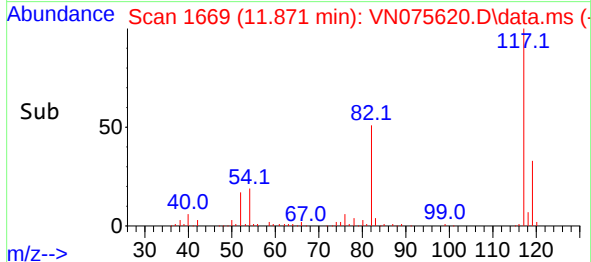
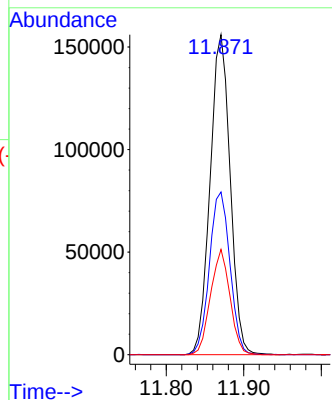
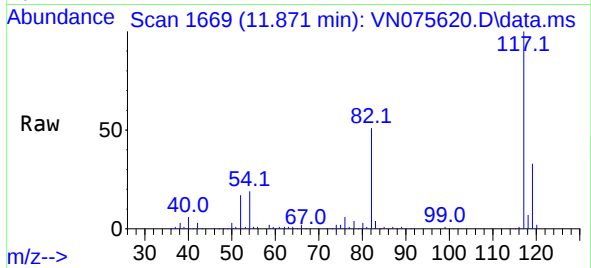




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

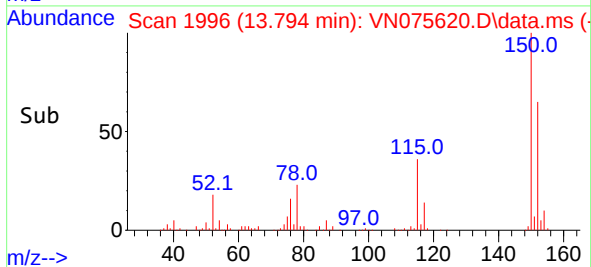
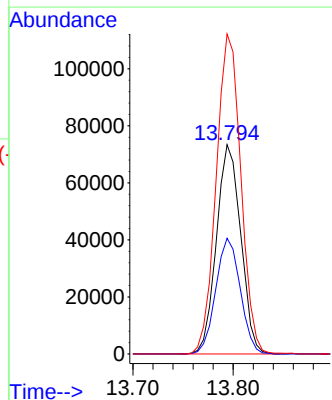
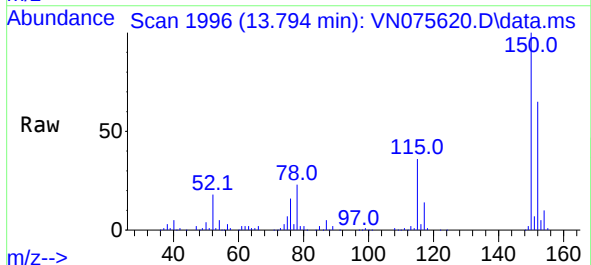
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

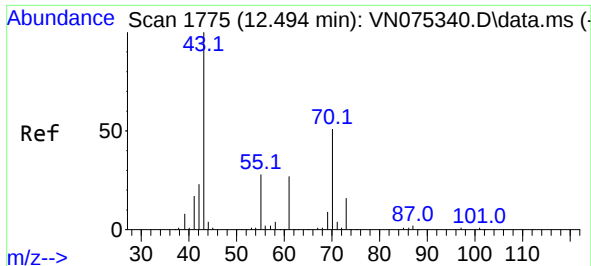
Tgt Ion:117 Resp: 280631
Ion Ratio Lower Upper
117 100
82 50.8 43.1 64.7
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion:152 Resp: 123672
Ion Ratio Lower Upper
152 100
115 55.7 30.2 90.6
150 155.1 0.0 348.4

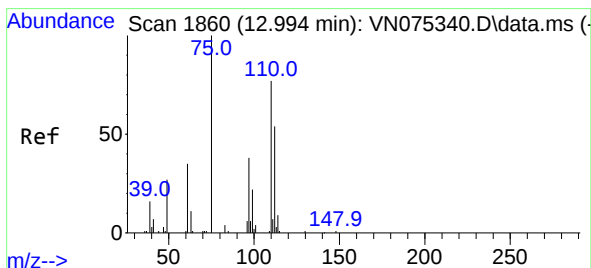
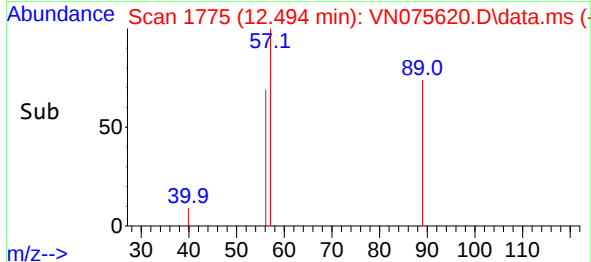
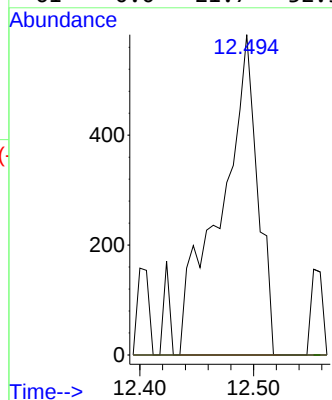
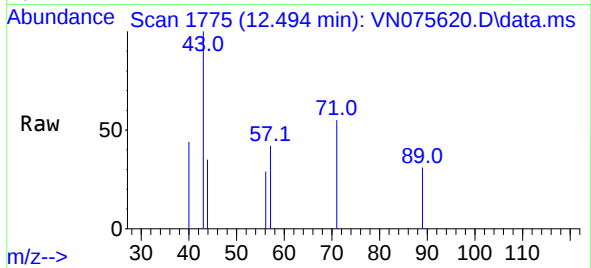




#74
N-amy1 acetate
Concen: 0.476 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

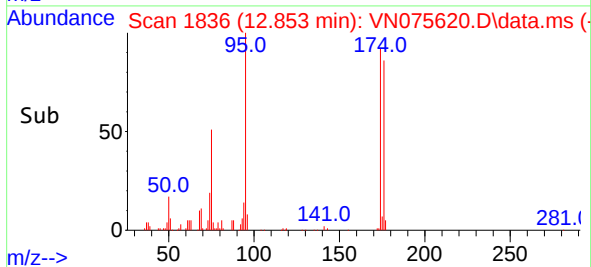
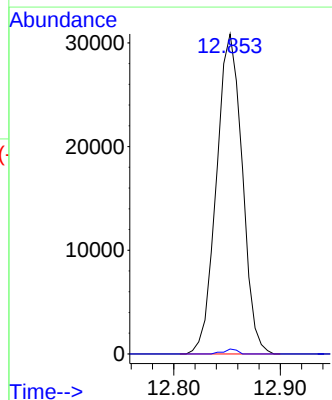
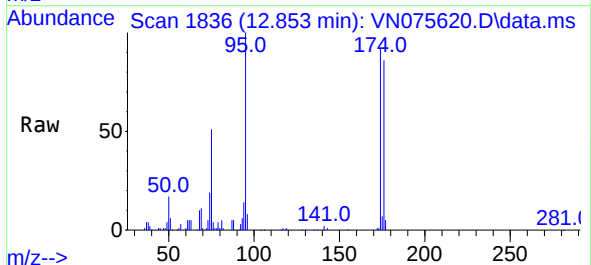
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

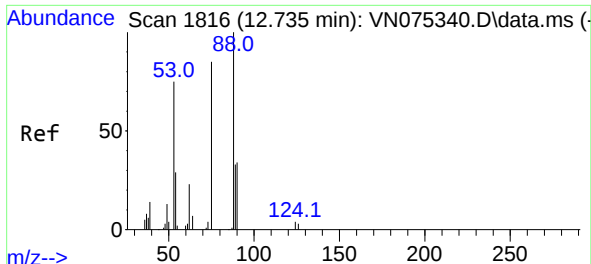
Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 22.185 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 75 Resp: 51875
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#

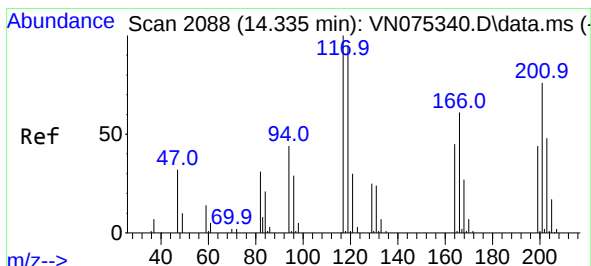
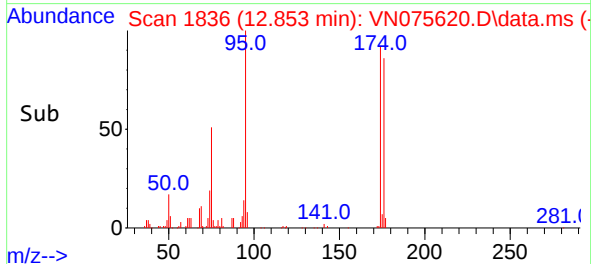
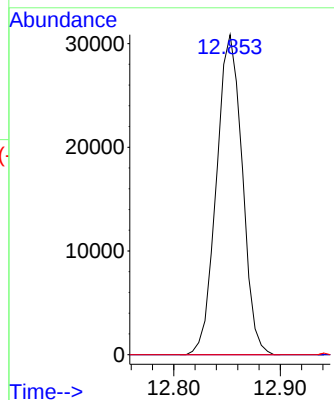
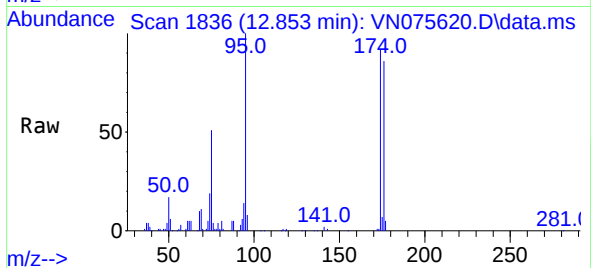




#81
trans-1,4-Dichloro-2-butene
Concen: 65.640 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

Tgt Ion: 75 Resp: 51875
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#90
Hexachloroethane
Concen: 0.506 ug/l
RT: 14.453 min Scan# 2108
Delta R.T. 0.118 min
Lab File: VN075620.D
Acq: 07 Dec 2022 20:43

Tgt Ion: 117 Resp: 682
Ion Ratio Lower Upper
117 100
201 0.0 31.5 94.5#

