

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082522\
 Data File : VN074116.D
 Acq On : 25 Aug 2022 15:59
 Operator : JC\MD
 Sample : P1314211ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P1314211ZHE#01

Quant Time: Aug 26 02:02:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

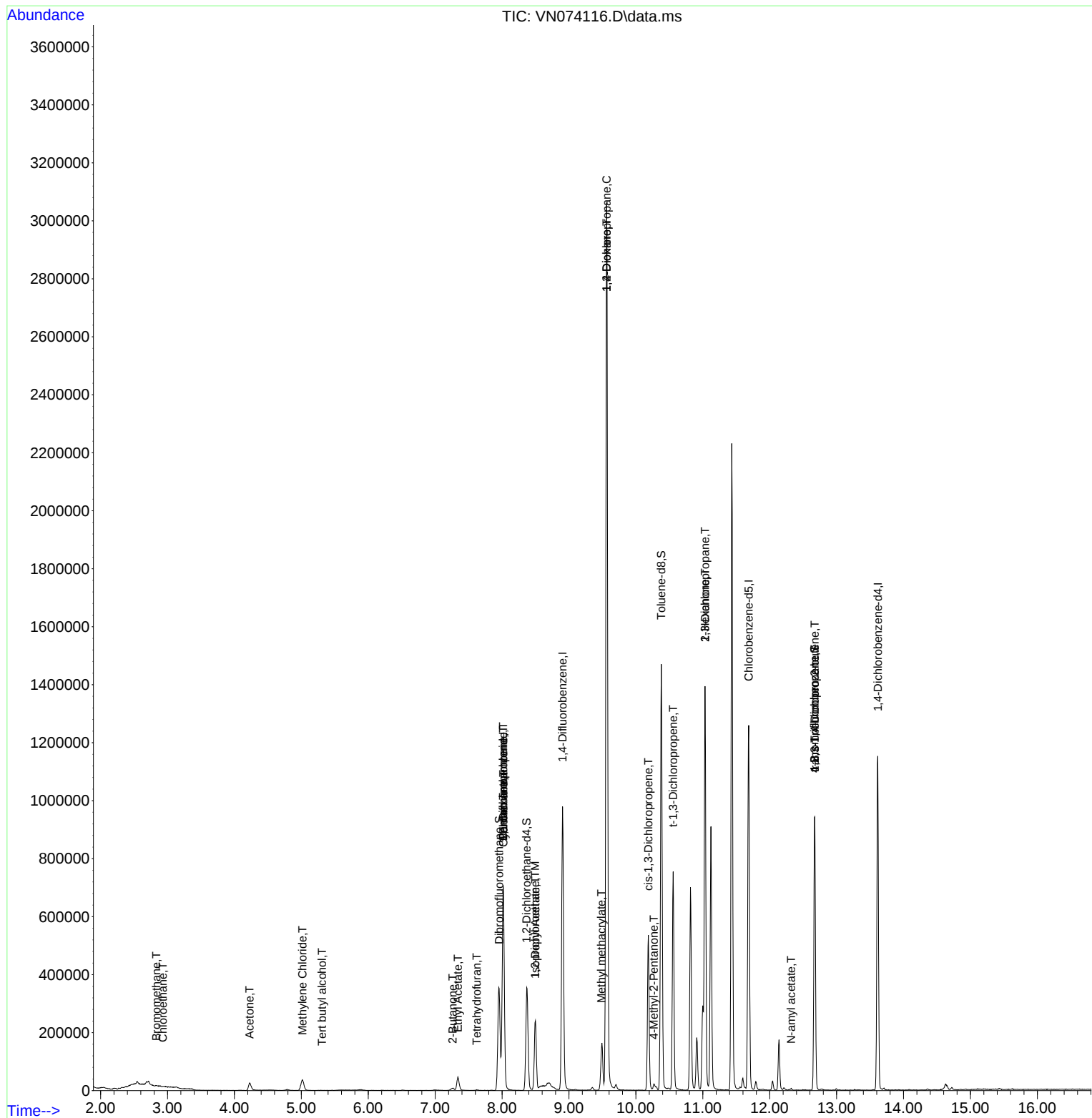
Internal Standards						
1) Pentafluorobenzene	8.016	168	585460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	896514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	790599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	336553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	303021	53.140	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.280%			
35) Dibromofluoromethane	7.957	113	270405	51.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	10.380	98	1034467	50.379	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.669	95	327238	48.019	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.040%			
Target Compounds						Qvalue
5) Bromomethane	2.834	94	1755	0.424	ug/l	85
6) Chloroethane	2.928	64	1213	0.259	ug/l #	42
11) Tert butyl alcohol	5.310	59	750	0.588	ug/l #	72
16) Acetone	4.228	43	49412	18.367	ug/l	96
18) Methyl Acetate	4.787	43	6526	Below Cal		99
20) Methylene Chloride	5.016	84	31774	5.597	ug/l	91
25) 2-Butanone	7.263	43	10631	2.492	ug/l	90
29) Tetrahydrofuran	7.622	42	1808	0.661	ug/l #	69
31) Cyclohexane	8.022	56	9703	1.221	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	38821	5.272	ug/l #	50
37) Ethyl Acetate	7.339	43	69305	7.768	ug/l	98
38) Carbon Tetrachloride	8.016	117	52606	6.250	ug/l #	18
42) 1,2-Dichloroethane	8.492	62	2440	0.305	ug/l #	74
43) Isopropyl Acetate	8.498	43	264619	20.820	ug/l	94
45) 1,2-Dichloropropane	9.563	63	4145	0.744	ug/l #	44
48) Methyl methacrylate	9.486	41	9003	1.655	ug/l #	37
49) 1,4-Dioxane	9.563	88	530	3.277	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	13053	1.519	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	2165	0.255	ug/l #	72
54) cis-1,3-Dichloropropene	10.186	75	105556	11.357	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	14889	1.477	ug/l #	42
59) 2-Hexanone	11.033	43	178205	26.947	ug/l #	51
74) N-amyl acetate	12.322	43	2102	0.227	ug/l #	43
76) 1,2,3-Trichloropropane	12.674	75	159766	22.839	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	159766	64.959	ug/l #	10

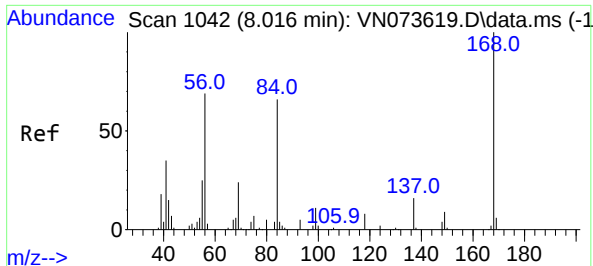
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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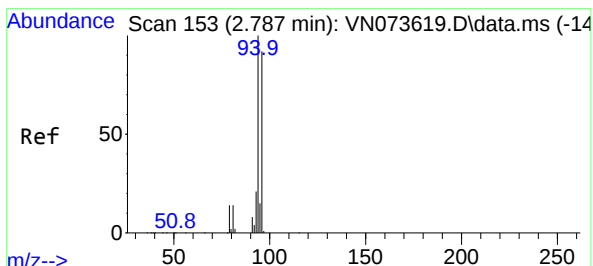
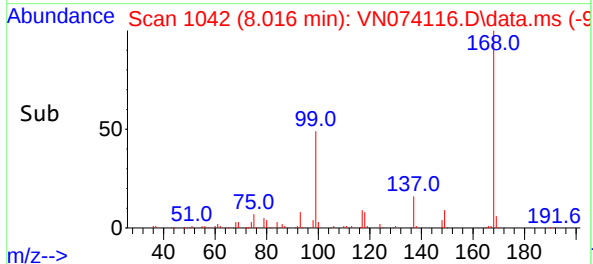
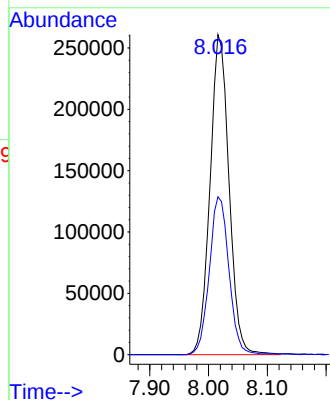
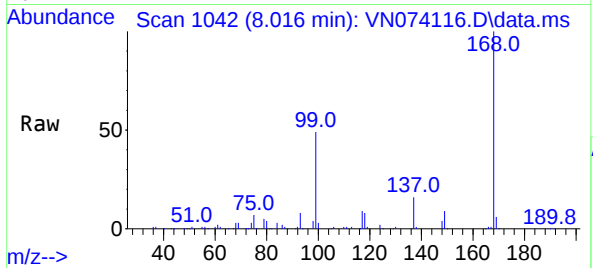




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

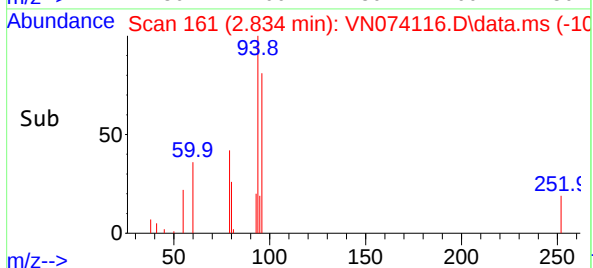
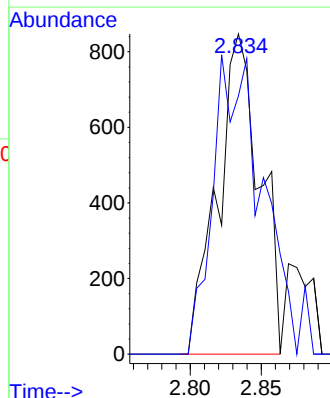
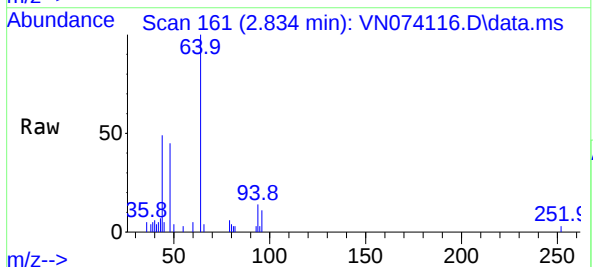
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

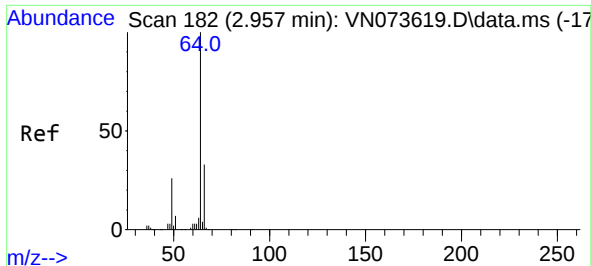
Tgt Ion:168 Resp: 585460
Ion Ratio Lower Upper
168 100
99 49.4 42.3 63.5



#5
Bromomethane
Concen: 0.424 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 94 Resp: 1755
Ion Ratio Lower Upper
94 100
96 80.6 76.0 114.0

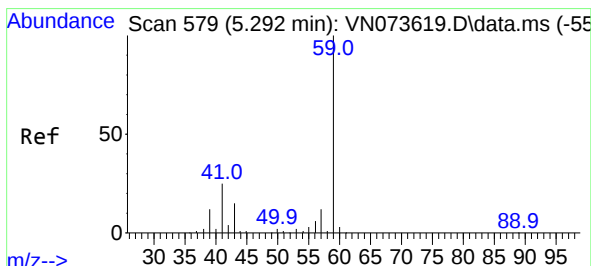
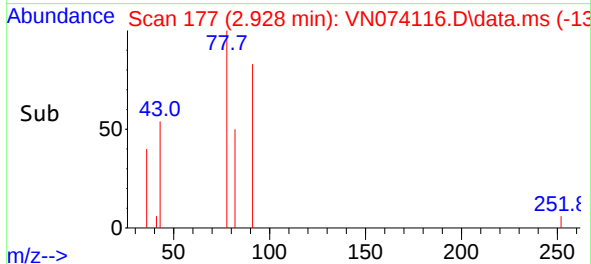
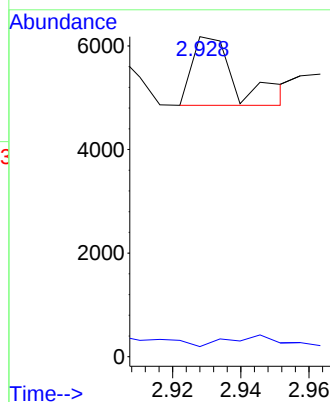
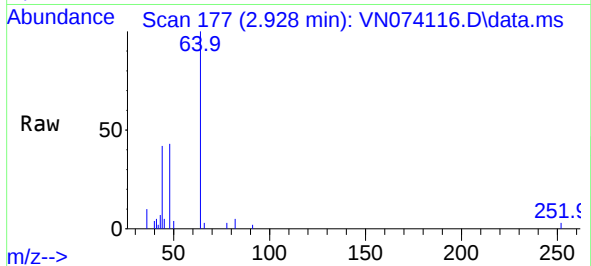




#6
Chloroethane
Concen: 0.259 ug/l
RT: 2.928 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

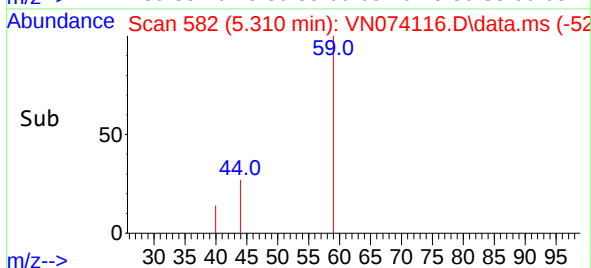
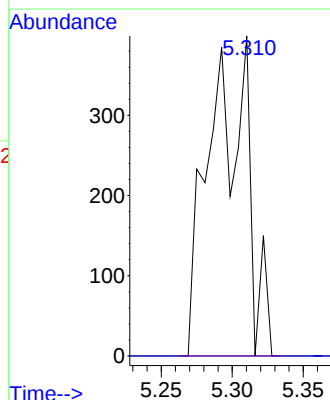
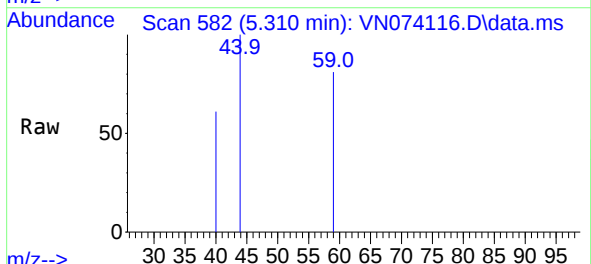
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

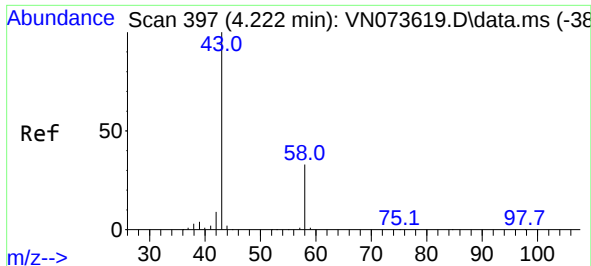
Tgt Ion: 64 Resp: 1213
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.588 ug/l
RT: 5.310 min Scan# 582
Delta R.T. 0.018 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 59 Resp: 750
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

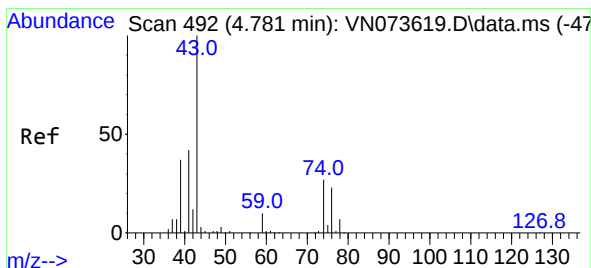
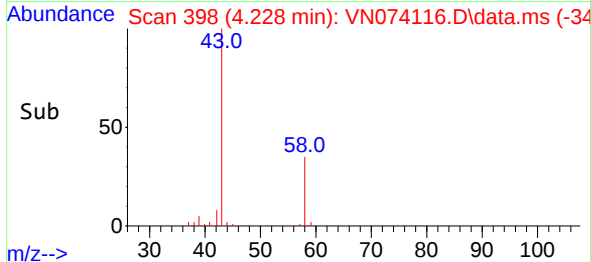
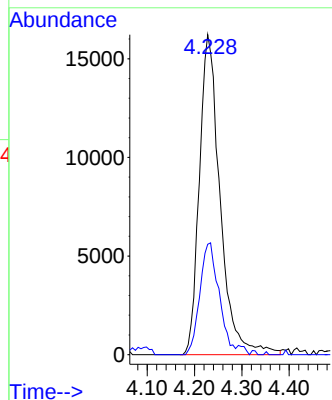
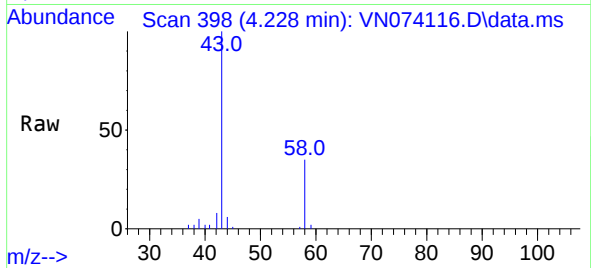




#16
Acetone
Concen: 18.367 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

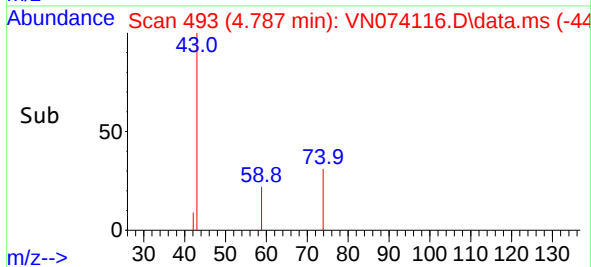
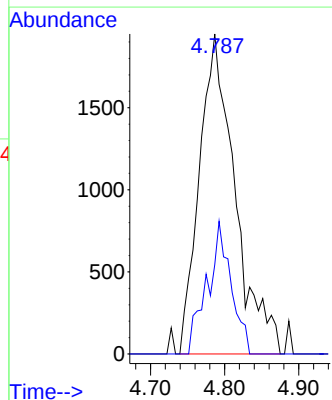
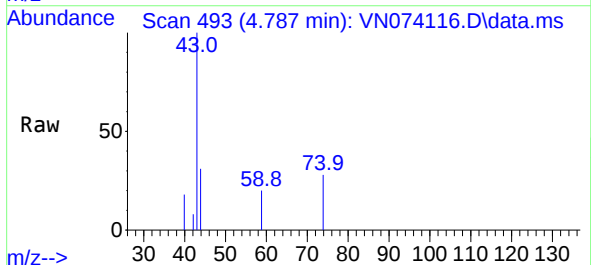
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

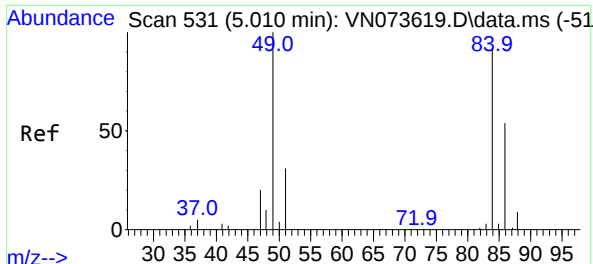
Tgt Ion: 43 Resp: 49412
Ion Ratio Lower Upper
43 100
58 34.5 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

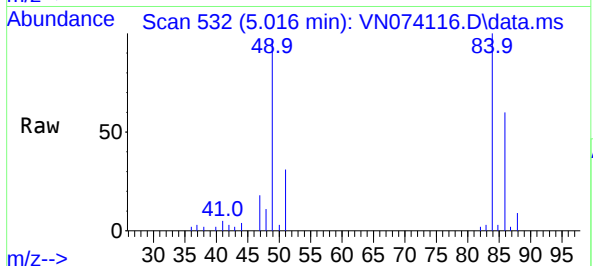
Tgt Ion: 43 Resp: 6526
Ion Ratio Lower Upper
43 100
74 27.7 21.6 32.4





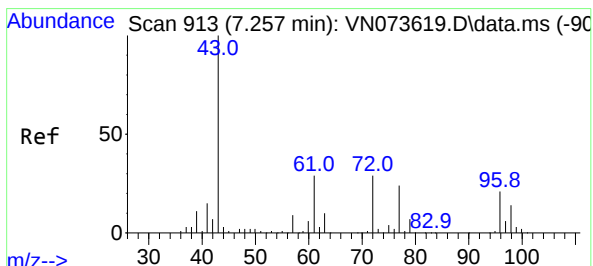
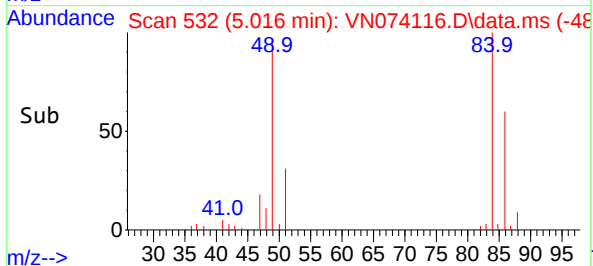
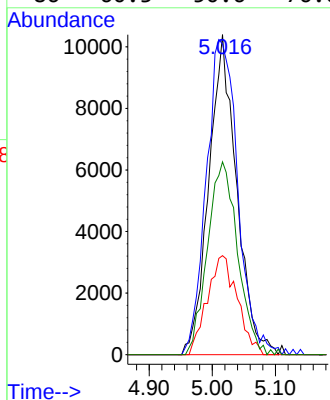
#20
Methylene Chloride
Concen: 5.597 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01



Tgt Ion: 84 Resp: 31774

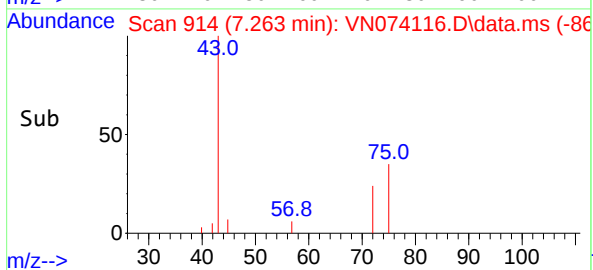
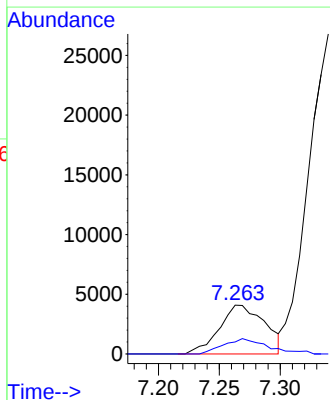
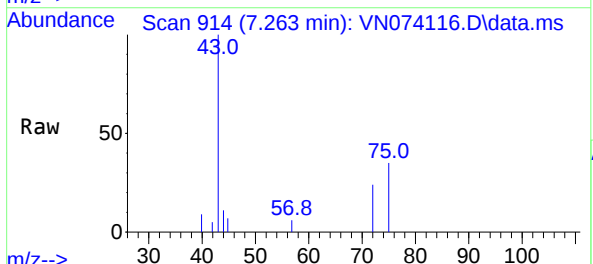
Ion	Ratio	Lower	Upper
84	100		
49	97.1	88.3	132.5
51	31.0	28.2	42.2
86	60.3	50.6	76.0

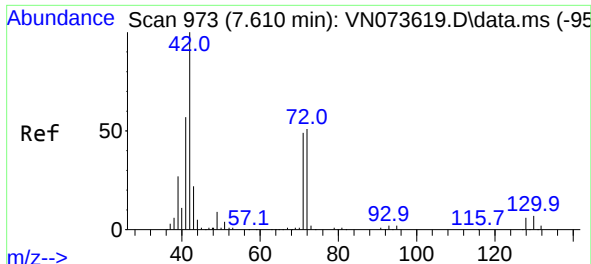


#25
2-Butanone
Concen: 2.492 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 43 Resp: 10631

Ion	Ratio	Lower	Upper
43	100		
72	24.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.661 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074116.D

Acq: 25 Aug 2022 15:59

Instrument :

MSVOA_N

ClientSampleId :

P1314211ZHE#01

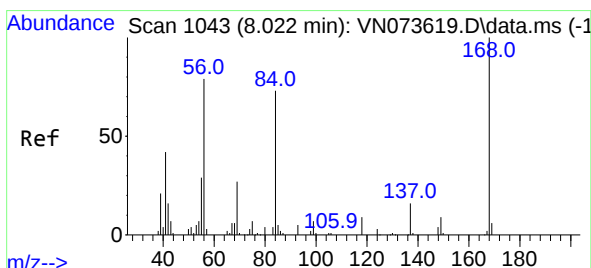
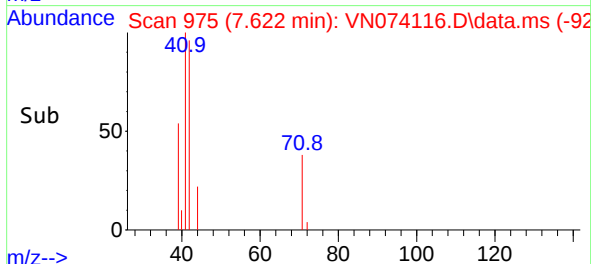
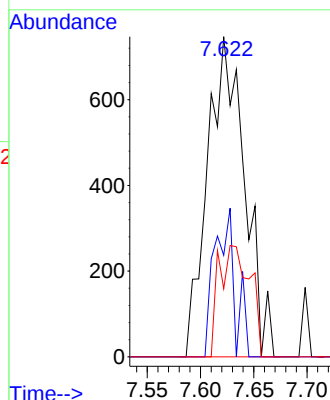
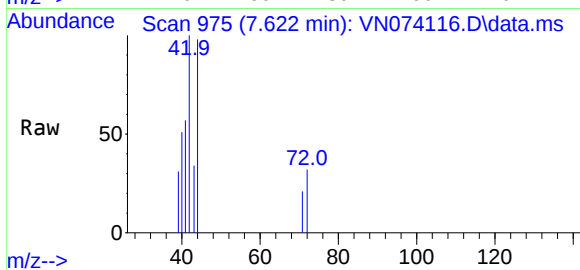
Tgt Ion: 42 Resp: 1808

Ion Ratio Lower Upper

42 100

72 25.3 39.7 59.5#

71 29.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074116.D

Acq: 25 Aug 2022 15:59

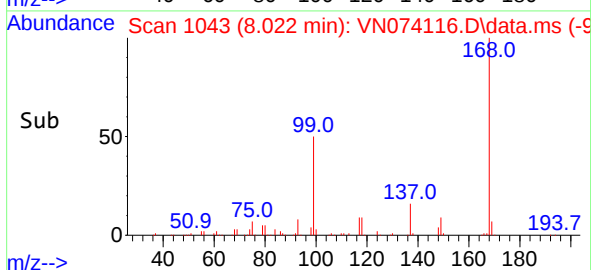
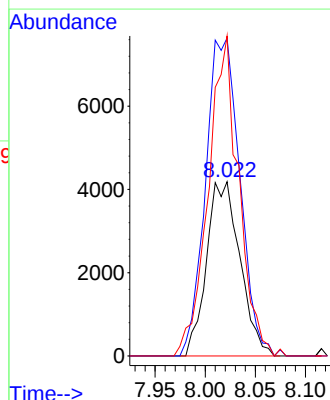
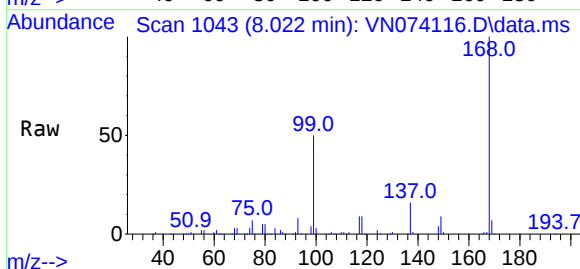
Tgt Ion: 56 Resp: 9703

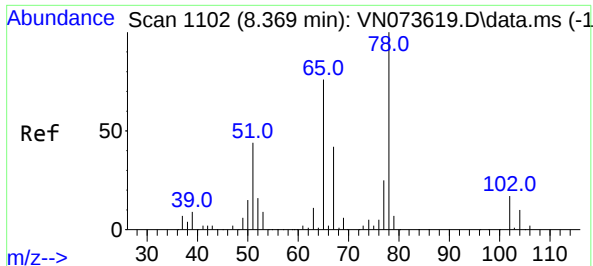
Ion Ratio Lower Upper

56 100

69 182.4 27.8 41.8#

84 179.7 76.9 115.3#

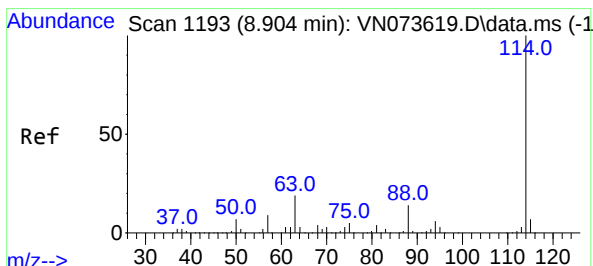
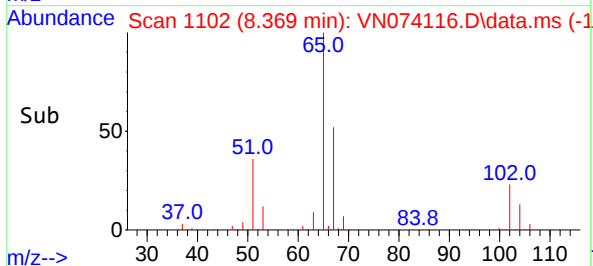
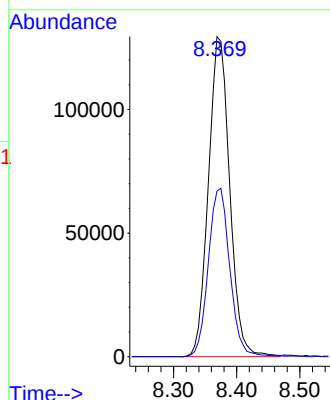
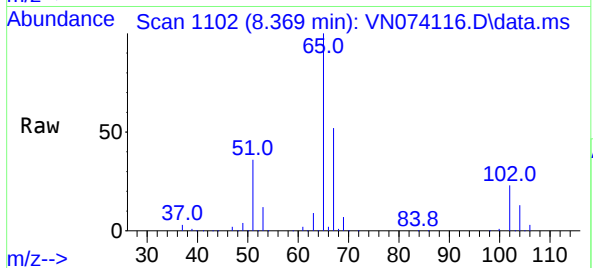




#33
1,2-Dichloroethane-d4
Concen: 53.140 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

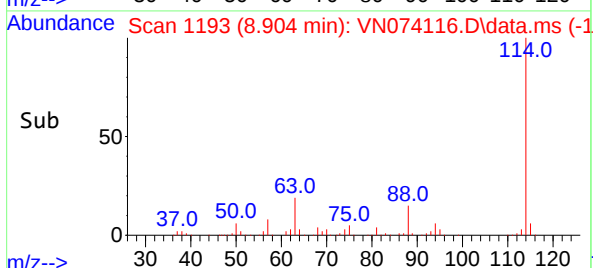
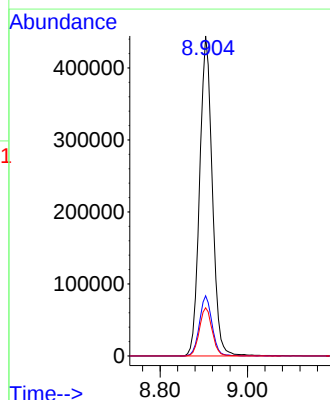
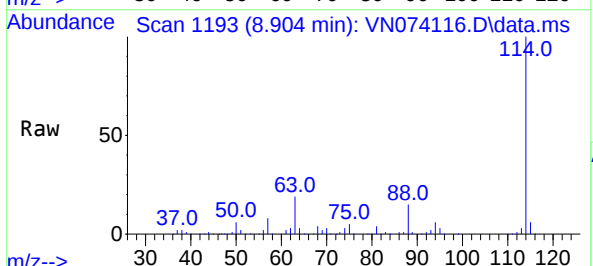
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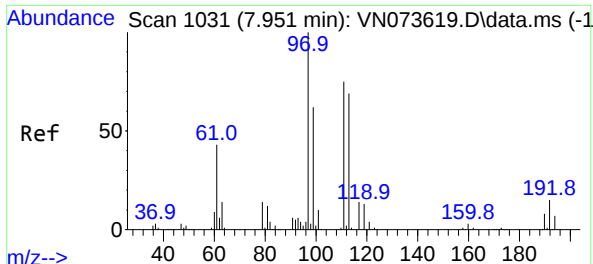
Tgt Ion: 65 Resp: 303021
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 114 Resp: 896514
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 15.0 0.0 32.6

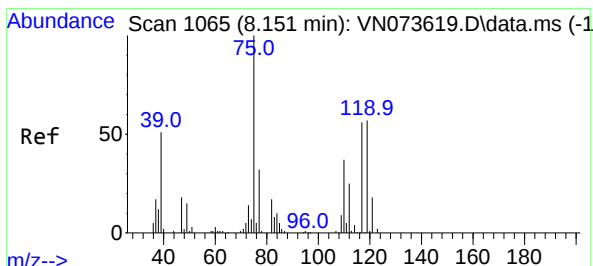
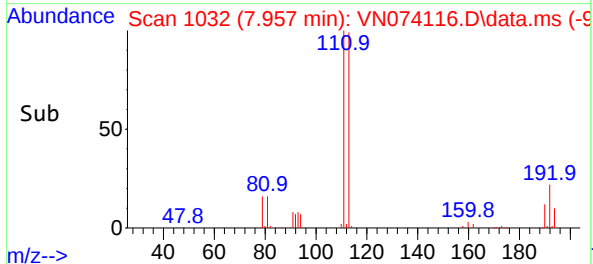
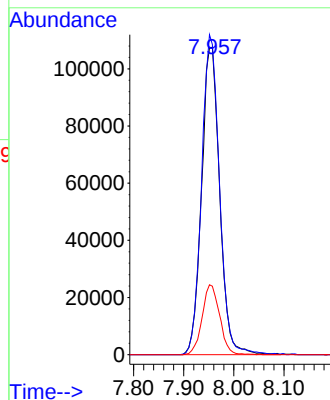
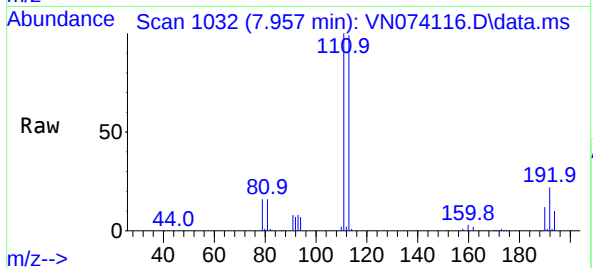




#35
Dibromofluoromethane
Concen: 51.002 ug/l
RT: 7.957 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

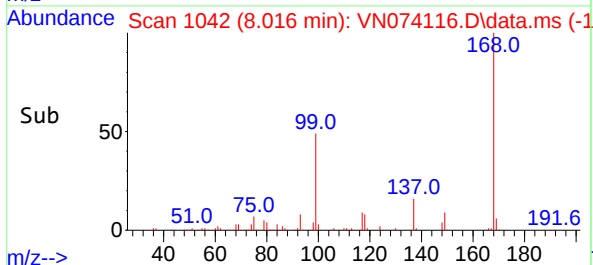
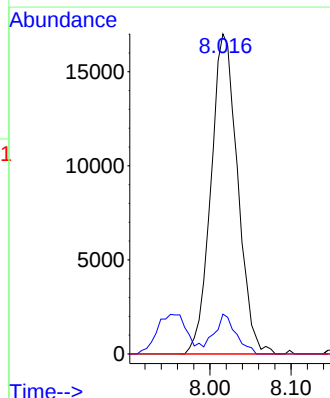
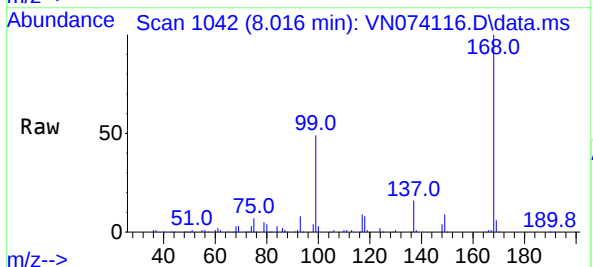
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

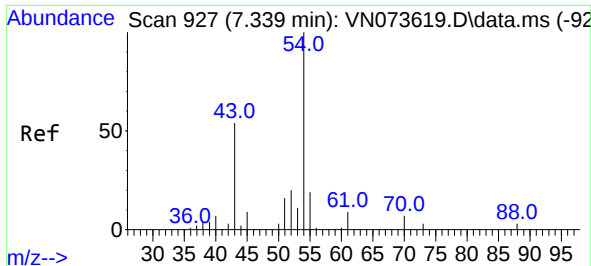
Tgt Ion:113 Resp: 270405
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.272 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 75 Resp: 38821
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 25.1 37.7#

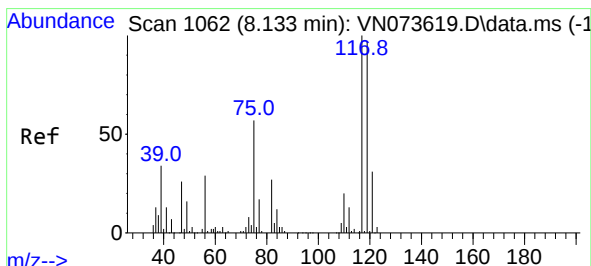
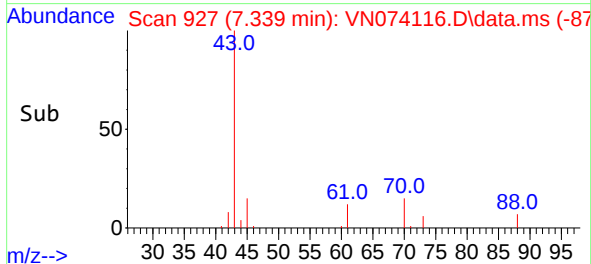
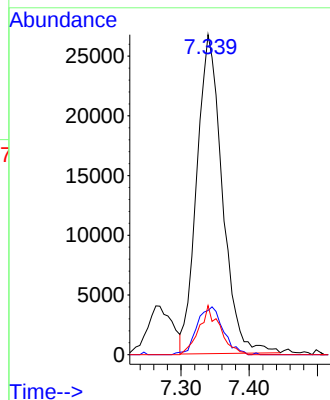
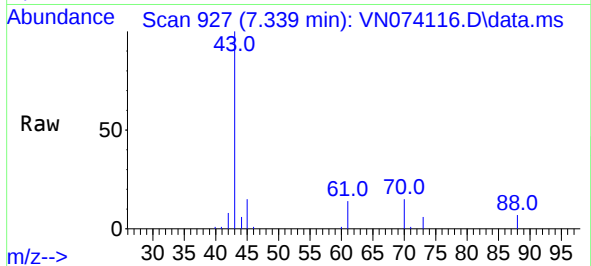




#37
Ethyl Acetate
Concen: 7.768 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

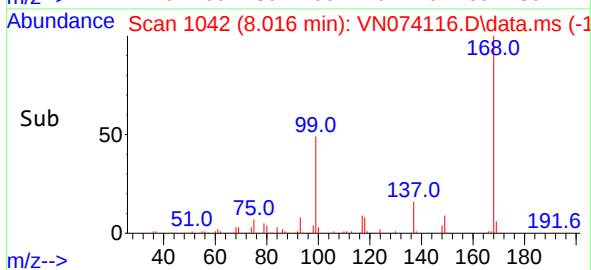
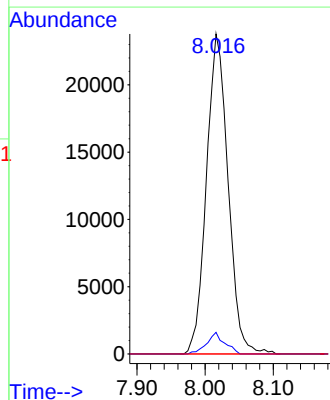
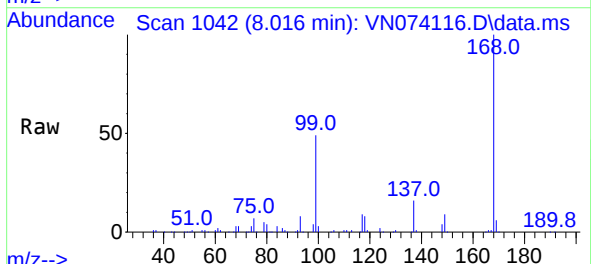
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

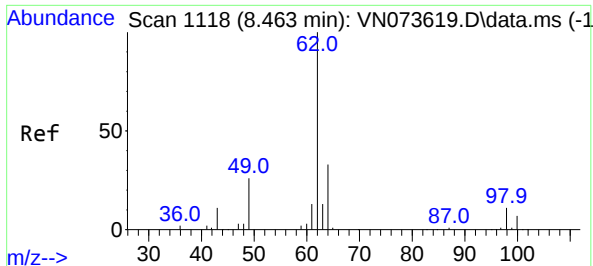
Tgt Ion:	43	Resp:	69305
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	12.8	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.250 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion:	117	Resp:	52606
Ion	Ratio	Lower	Upper
117	100		
119	6.8	75.8	113.8#
121	0.0	24.6	37.0#

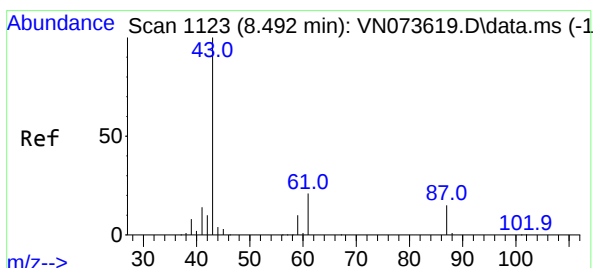
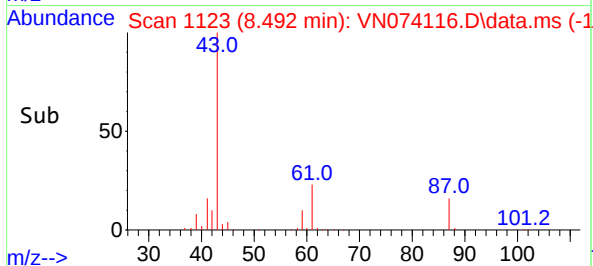
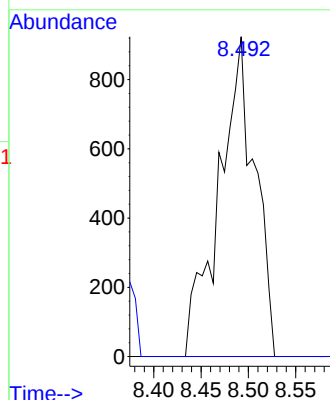
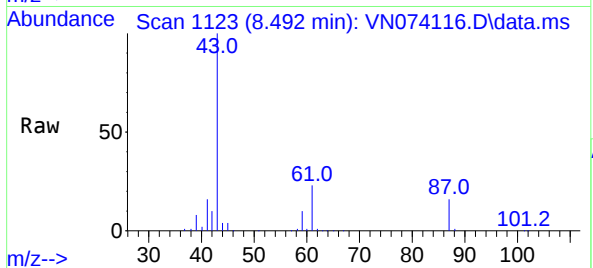




#42
1,2-Dichloroethane
Concen: 0.305 ug/l
RT: 8.492 min Scan# 1118
Delta R.T. 0.029 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

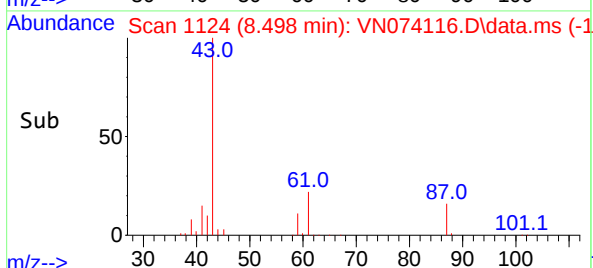
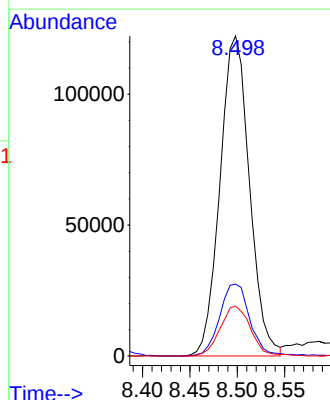
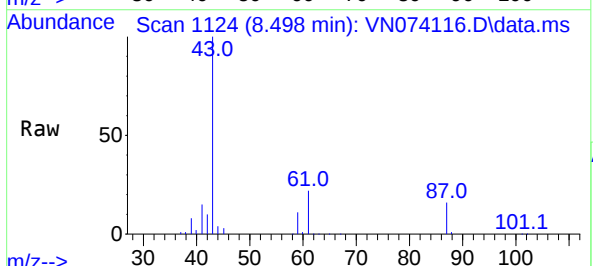
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

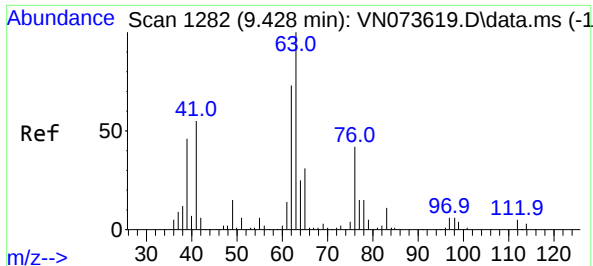
Tgt Ion: 62 Resp: 2440
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4



#43
Isopropyl Acetate
Concen: 20.820 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 43 Resp: 264619
Ion Ratio Lower Upper
43 100
61 23.3 21.9 32.9
87 16.1 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.744 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN074116.D

Acq: 25 Aug 2022 15:59

Instrument :

MSVOA_N

ClientSampleId :

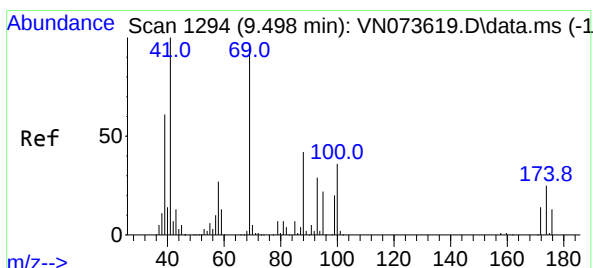
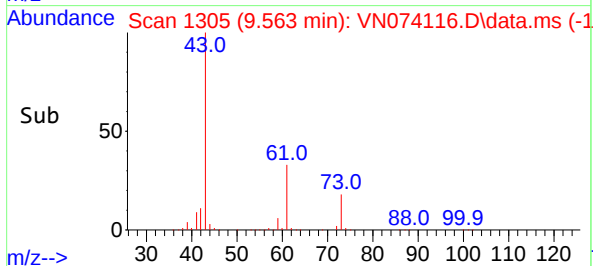
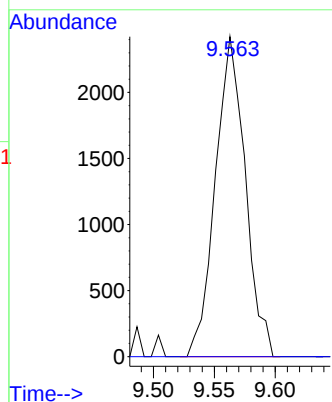
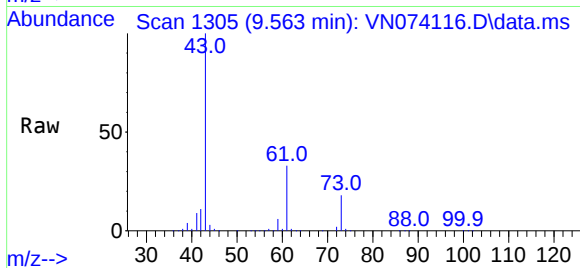
P1314211ZHE#01

Tgt Ion: 63 Resp: 4145

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.655 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN074116.D

Acq: 25 Aug 2022 15:59

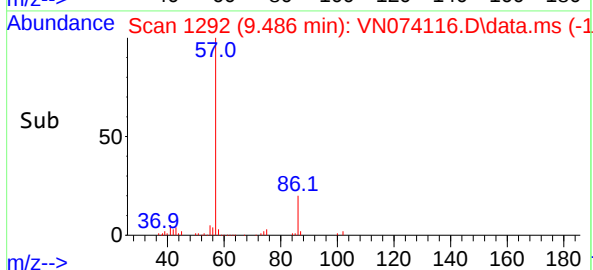
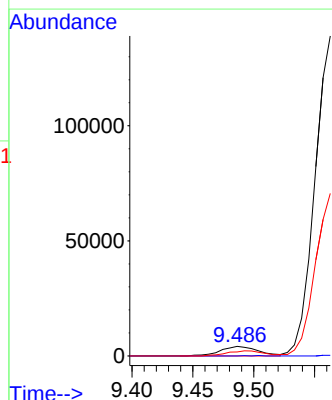
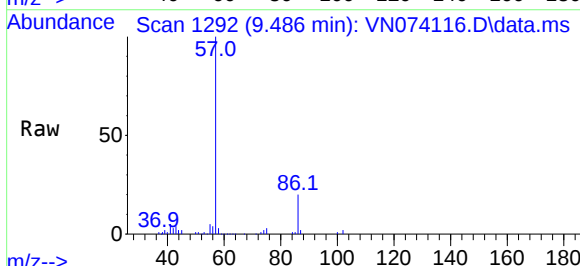
Tgt Ion: 41 Resp: 9003

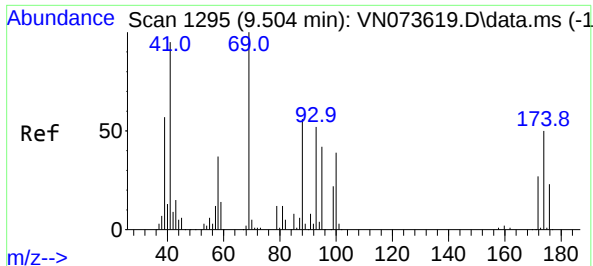
Ion Ratio Lower Upper

41 100

69 0.6 74.7 112.1#

39 50.3 45.6 68.4

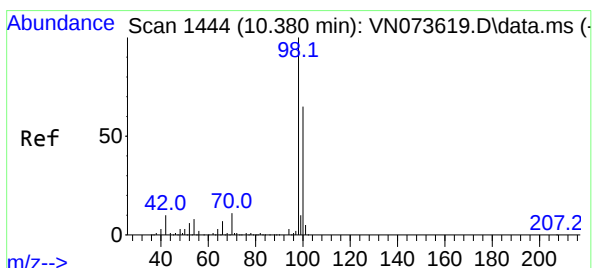
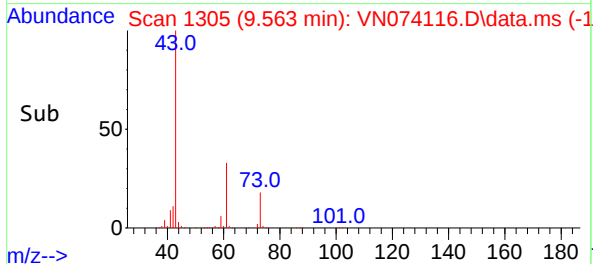
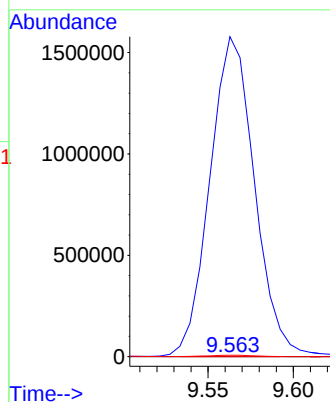
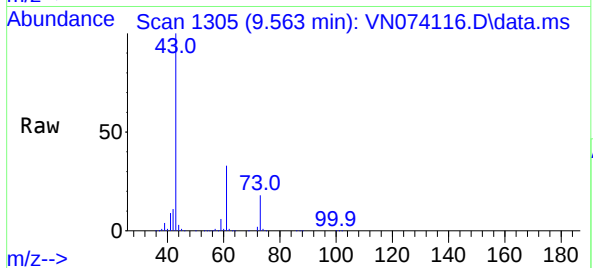




#49
1,4-Dioxane
Concen: 3.277 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

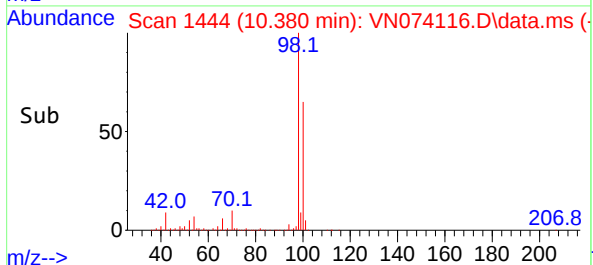
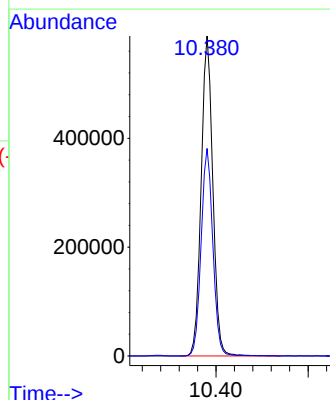
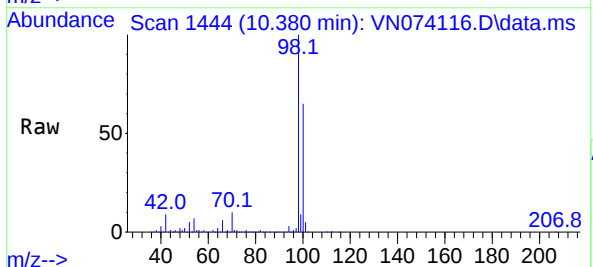
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

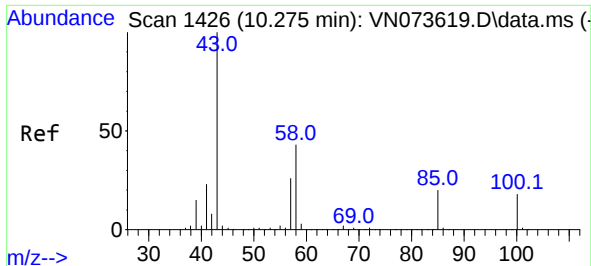
Tgt Ion: 88 Resp: 530
Ion Ratio Lower Upper
88 100
43 546800.9 20.2 30.4#
58 2589.4 54.2 81.4#



#50
Toluene-d8
Concen: 50.379 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 98 Resp: 1034467
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

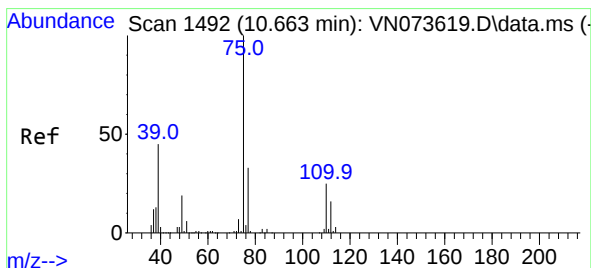
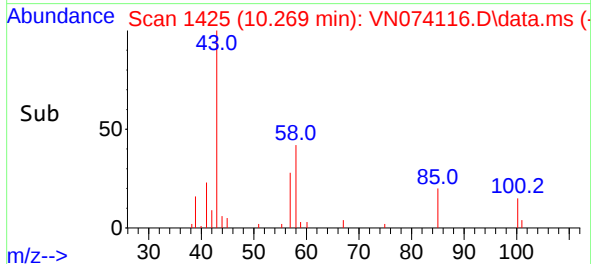
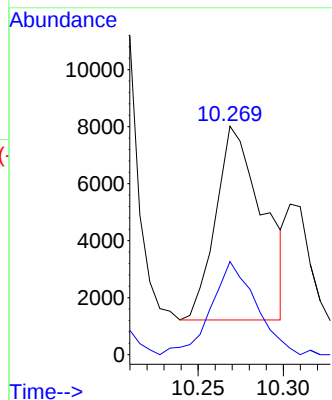
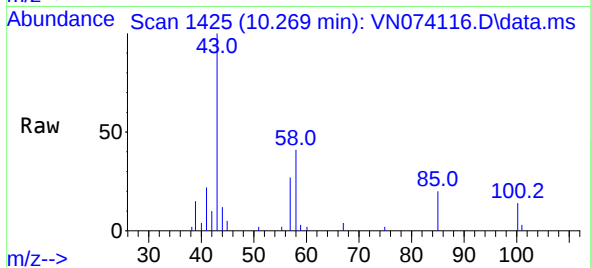




#51
4-Methyl-2-Pentanone
Concen: 1.519 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

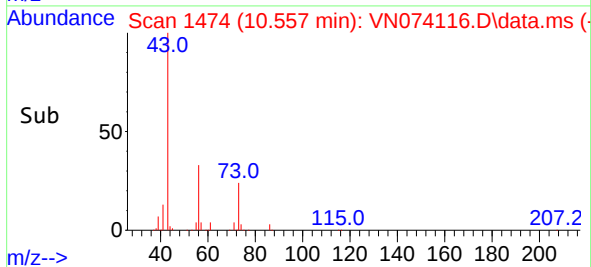
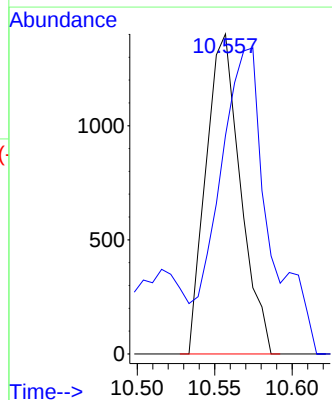
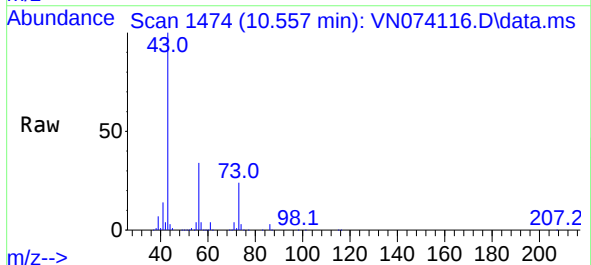
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

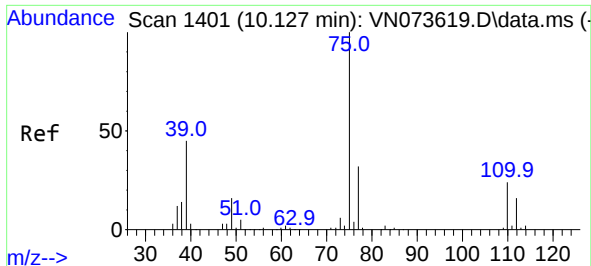
Tgt Ion: 43 Resp: 13053
Ion Ratio Lower Upper
43 100
58 46.2 34.1 51.1



#53
t-1,3-Dichloropropene
Concen: 0.255 ug/l
RT: 10.557 min Scan# 1474
Delta R.T. -0.106 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 75 Resp: 2165
Ion Ratio Lower Upper
75 100
77 47.7 25.6 38.4#

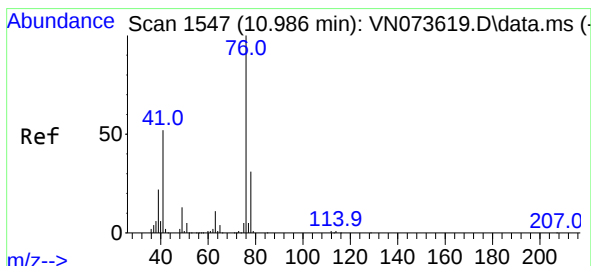
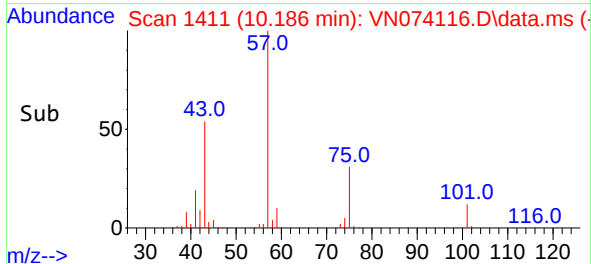
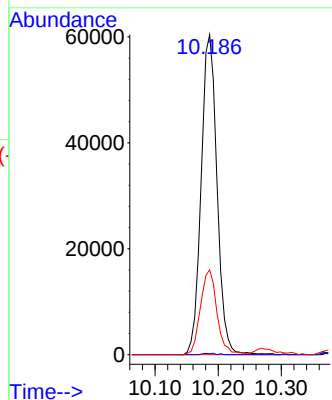
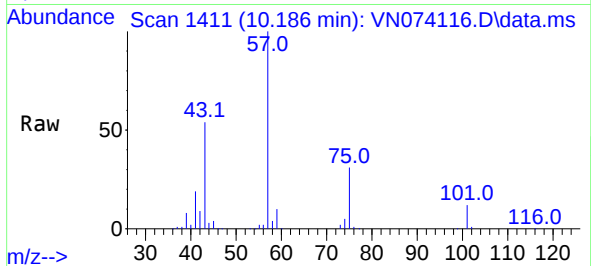




#54
cis-1,3-Dichloropropene
Concen: 11.357 ug/l
RT: 10.186 min Scan# 14
Delta R.T. 0.059 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

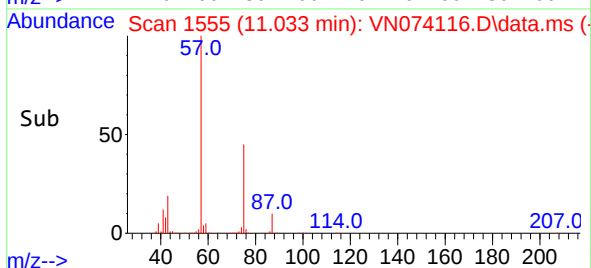
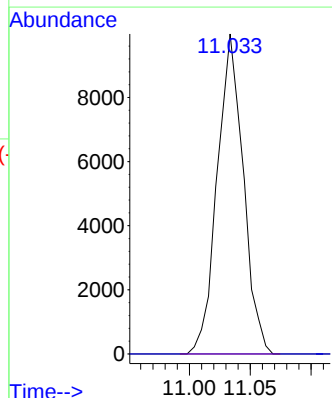
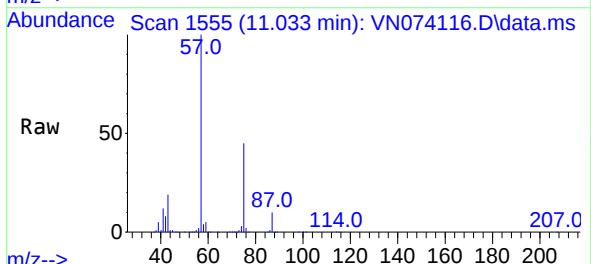
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

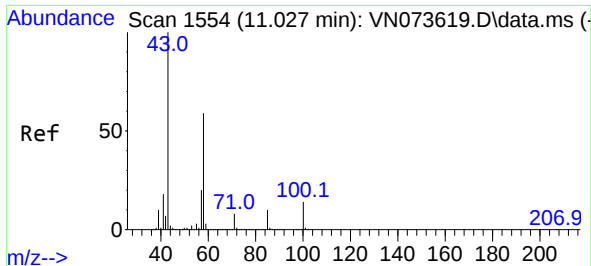
Tgt Ion: 75 Resp: 105556
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 26.5 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.477 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 76 Resp: 14889
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

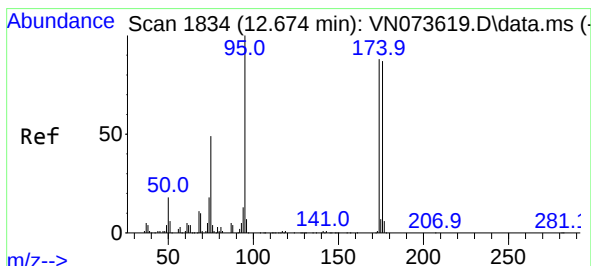
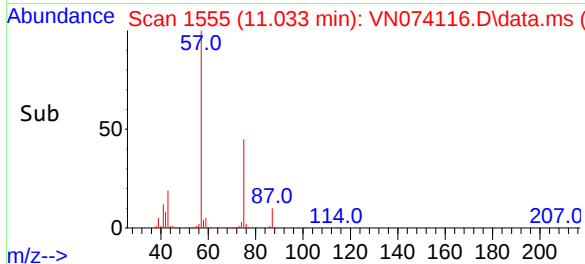
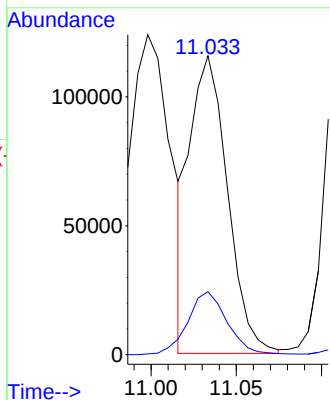
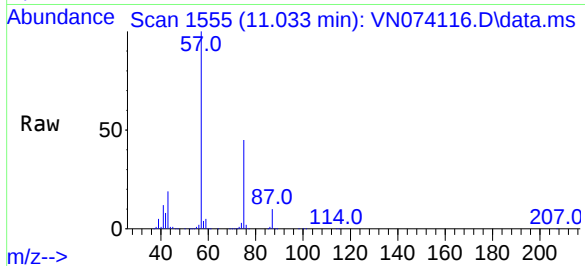




#59
2-Hexanone
Concen: 26.947 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

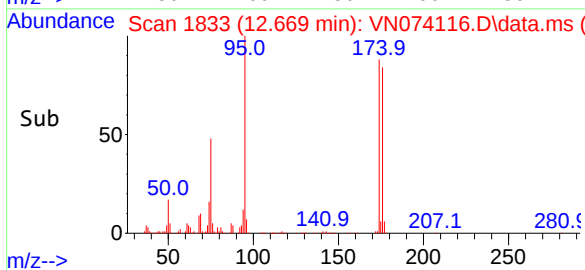
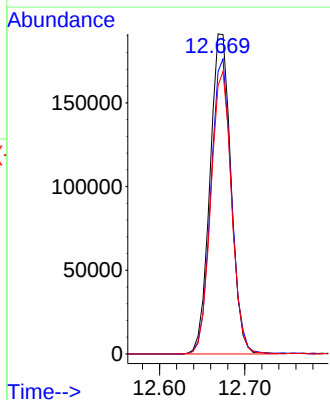
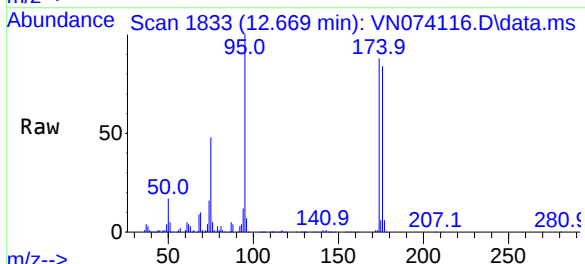
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

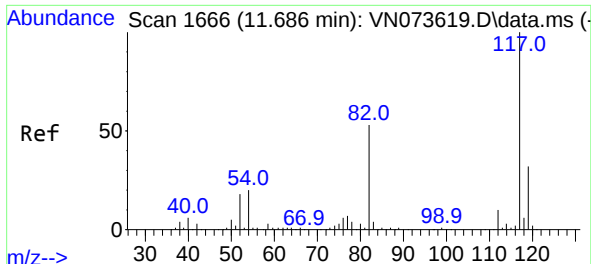
Tgt Ion: 43 Resp: 178205
Ion Ratio Lower Upper
43 100
58 22.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 48.019 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion: 95 Resp: 327238
Ion Ratio Lower Upper
95 100
174 90.5 0.0 167.6
176 86.9 0.0 163.4

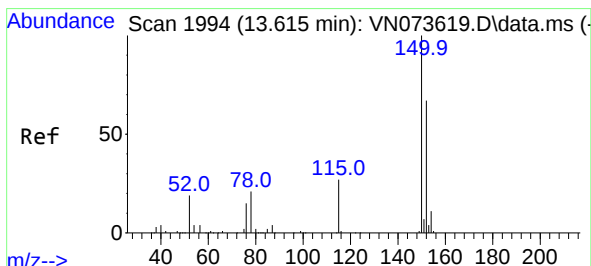
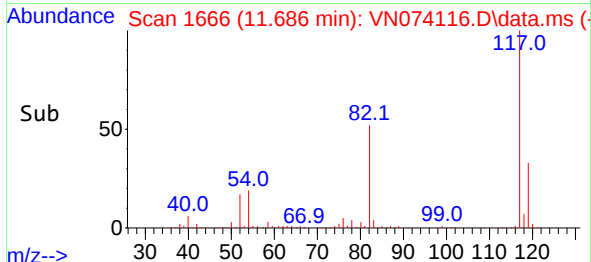
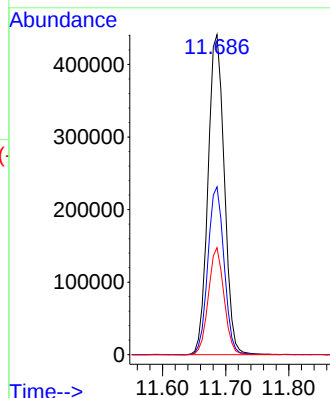
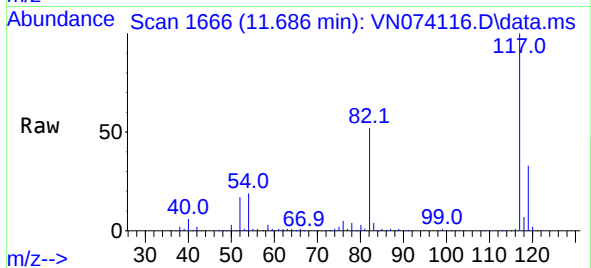




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

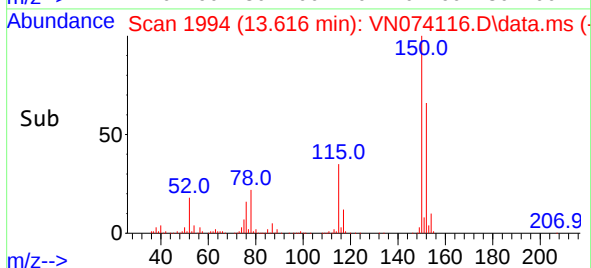
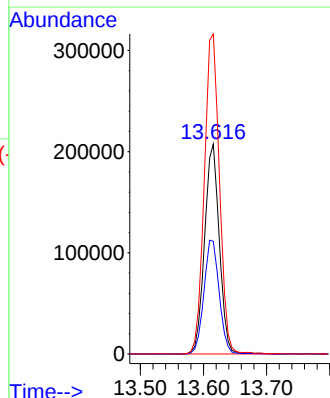
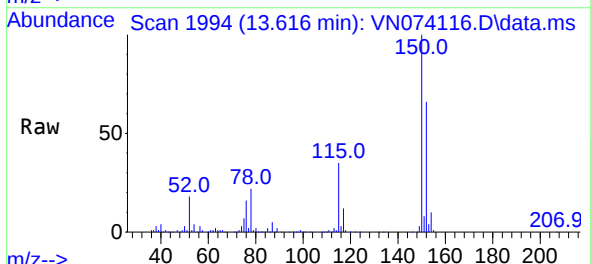
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

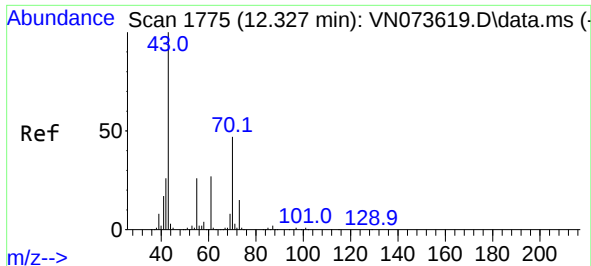
Tgt Ion:117 Resp: 790599
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 33.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

Tgt Ion:152 Resp: 336553
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 156.7 0.0 356.2

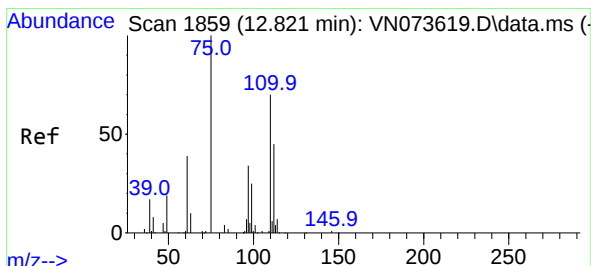
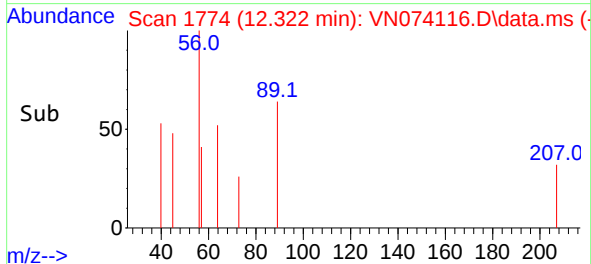
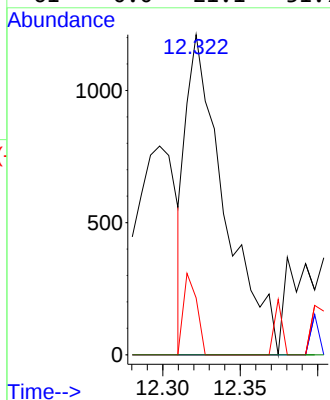
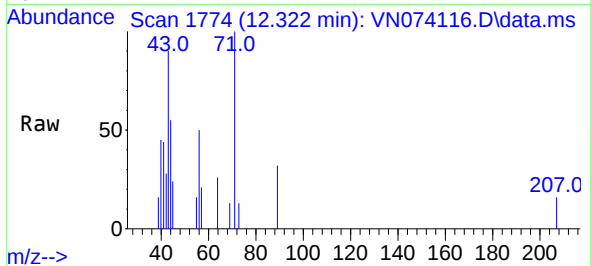




#74
N-amy1 acetate
Concen: 0.227 ug/l
RT: 12.322 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

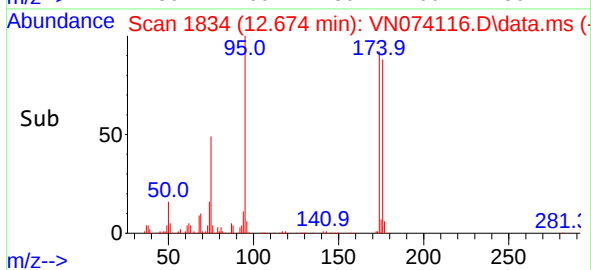
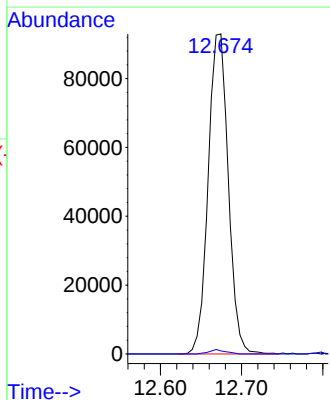
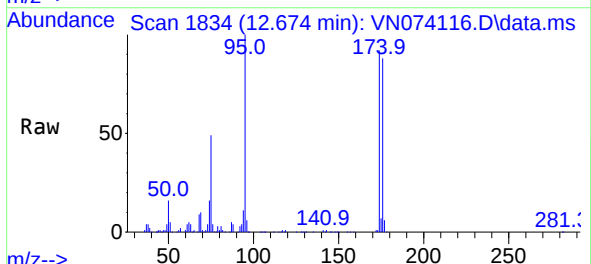
Instrument :
MSVOA_N
ClientSampleId :
P1314211ZHE#01

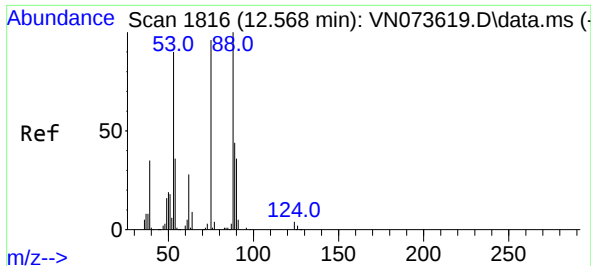
Tgt Ion: 43	Resp: 2102
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 8.8	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.839 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074116.D
Acq: 25 Aug 2022 15:59

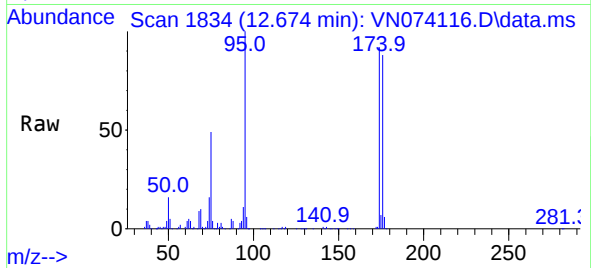
Tgt Ion: 75	Resp: 159766
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.959 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074116.D
 Acq: 25 Aug 2022 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 P1314211ZHE#01



Tgt Ion: 75 Resp: 159766
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

