

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041624\
 Data File : VN081755.D
 Acq On : 16 Apr 2024 13:39
 Operator : JC\MD
 Sample : P2070-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 03:24:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

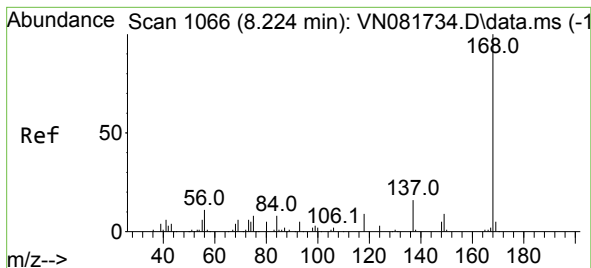
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	234296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	434980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	432968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	172031	52.179	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.360%			
35) Dibromofluoromethane	8.165	113	139471	48.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.120%			
50) Toluene-d8	10.571	98	555831	52.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.853	95	189416	52.382	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 104.760%			
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	628	Below Cal	#	43
5) Bromomethane	2.977	94	1446	0.659	ug/l #	64
6) Chloroethane	3.095	64	108	Below Cal	#	44
11) Tert butyl alcohol	5.530	59	138	0.307	ug/l #	71
13) Acrolein	4.183	56	155	0.324	ug/l #	15
16) Acetone	4.430	43	37367	40.722	ug/l #	84
18) Methyl Acetate	5.012	43	676	0.263	ug/l	90
20) Methylene Chloride	5.271	84	3549	Below Cal	#	85
25) 2-Butanone	7.483	43	4292	2.837	ug/l #	86
29) Tetrahydrofuran	7.847	42	237	0.242	ug/l #	29
31) Cyclohexane	8.224	56	5965	1.319	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	20801	5.198	ug/l #	49
37) Ethyl Acetate	7.553	43	3350	1.019	ug/l #	81
38) Carbon Tetrachloride	8.224	117	26008	5.586	ug/l #	16
43) Isopropyl Acetate	8.688	43	262102	42.722	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	2019	0.702	ug/l #	45
48) Methyl methacrylate	9.671	41	4473	1.789	ug/l #	38
49) 1,4-Dioxane	9.741	88	258	4.114	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5947	1.743	ug/l #	76
52) Toluene	10.635	92	4246	0.536	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	66354	13.645	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	8575	1.722	ug/l #	42
59) 2-Hexanone	11.171	43	144134	58.348	ug/l #	23
74) N-amyl acetate	12.488	43	1003	0.213	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	100896	30.681	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	100896	71.545	ug/l #	12

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

Quant Time: Apr 17 03:24:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Instrument :

MSVOA_N

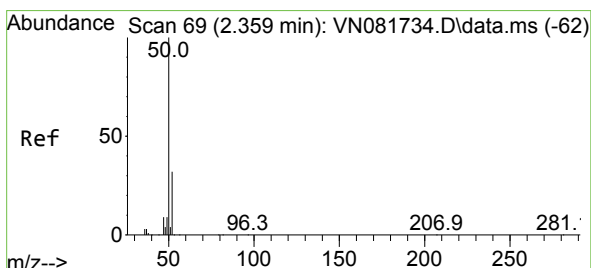
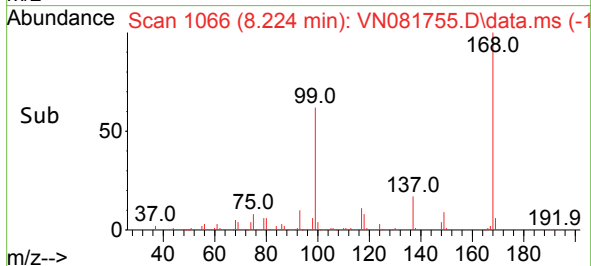
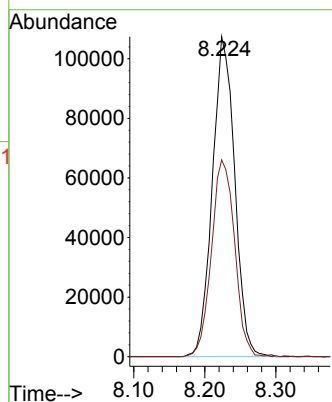
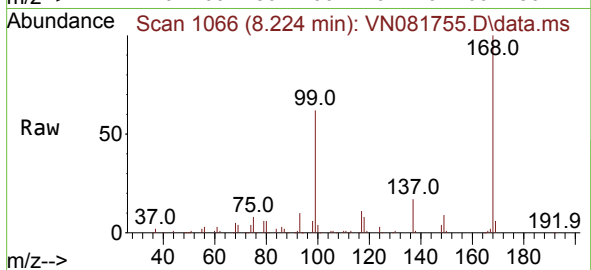
ClientSampleId :

Tgt Ion:168 Resp: 234296

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081755.D

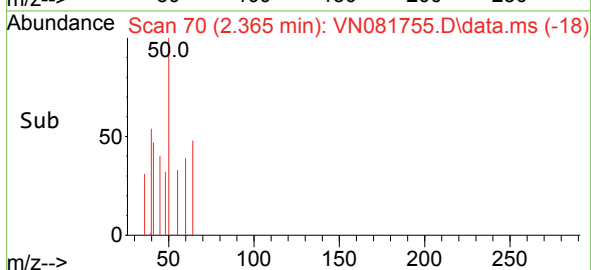
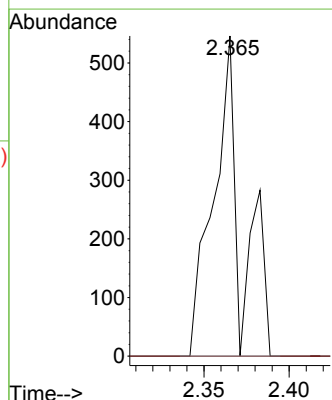
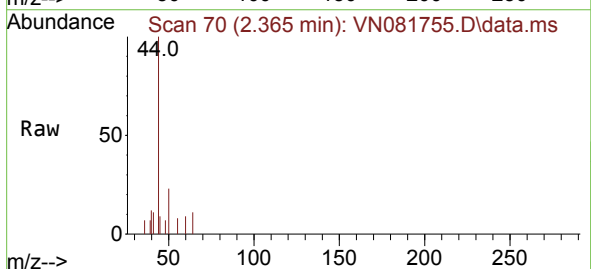
Acq: 16 Apr 2024 13:39

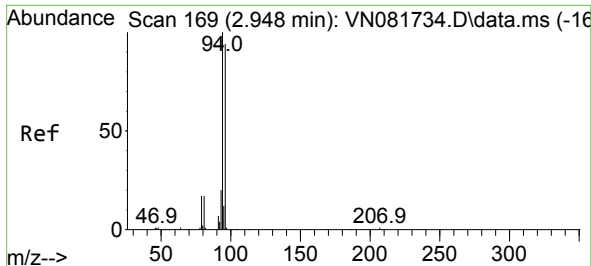
Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

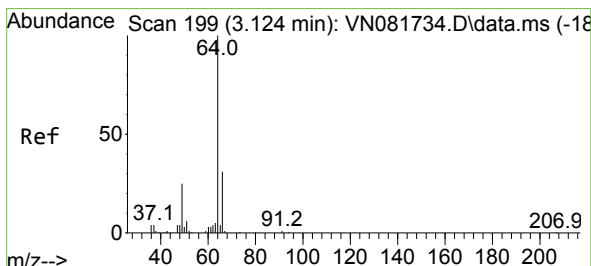
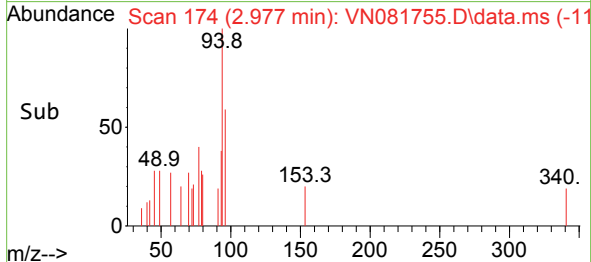
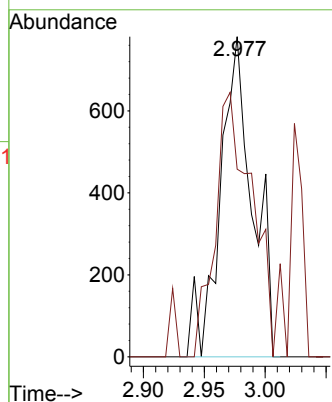
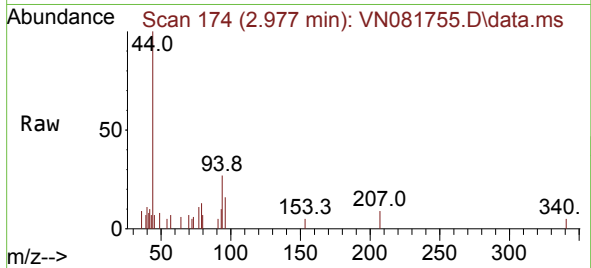




#5
Bromomethane
Concen: 0.659 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

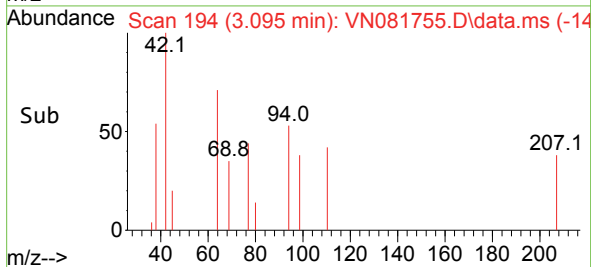
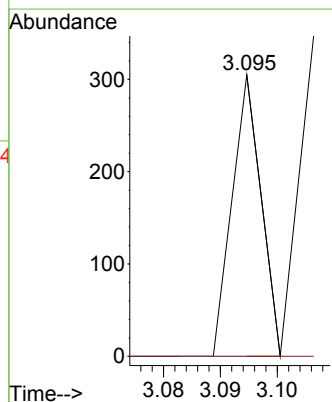
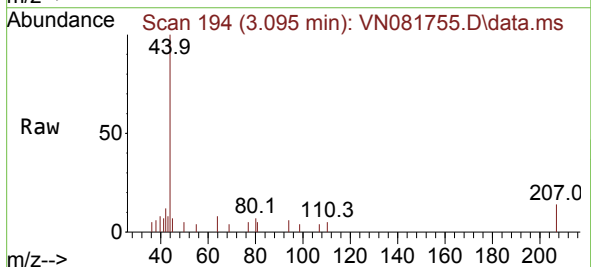
Instrument :
MSVOA_N
ClientSampleId :

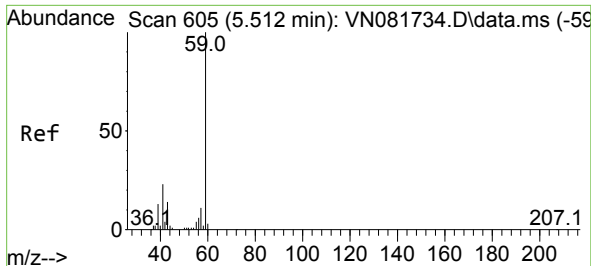
Tgt Ion: 94 Resp: 1446
Ion Ratio Lower Upper
94 100
96 58.6 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.029 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

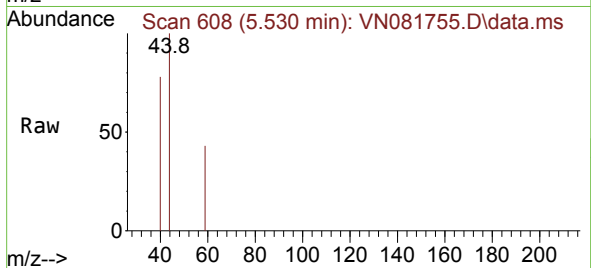
Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



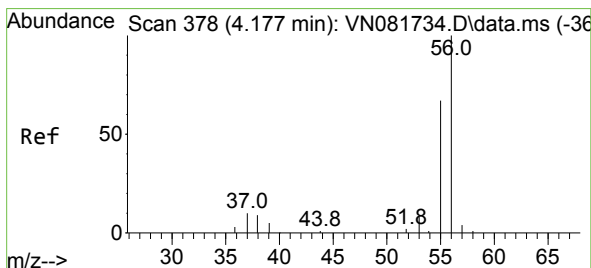
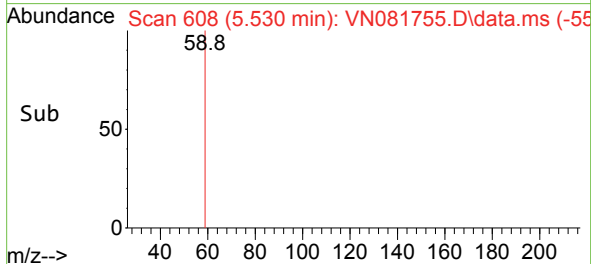
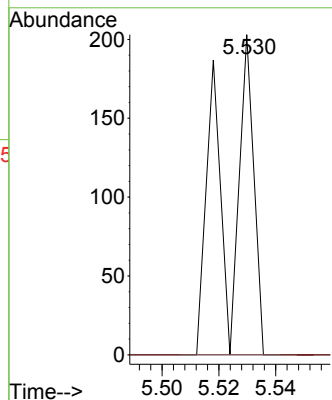


#11
Tert butyl alcohol
Concen: 0.307 ug/l
RT: 5.530 min Scan# 605
Delta R.T. 0.018 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :

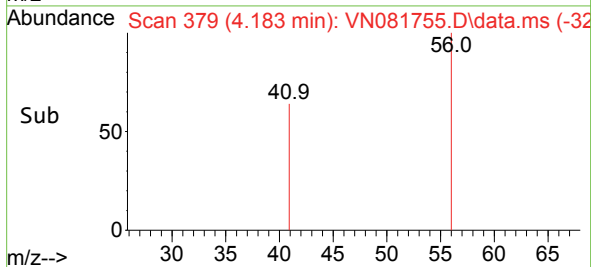
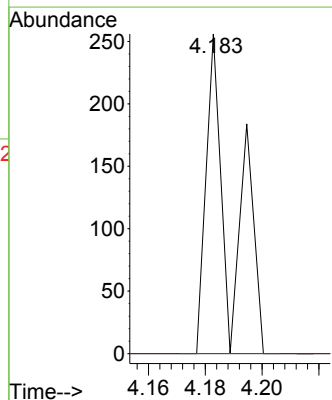
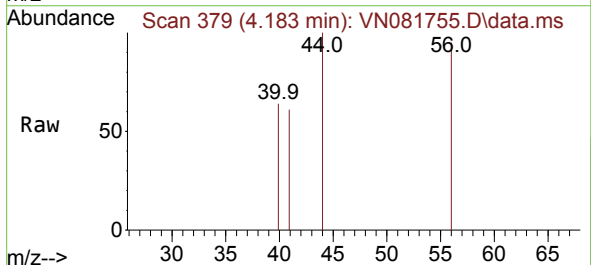


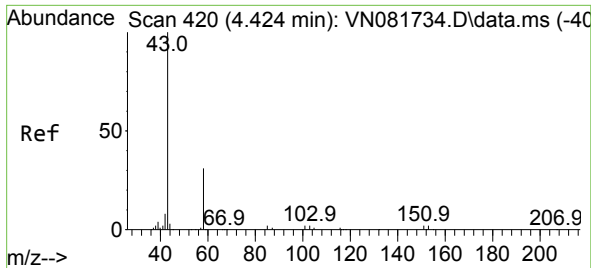
Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.324 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

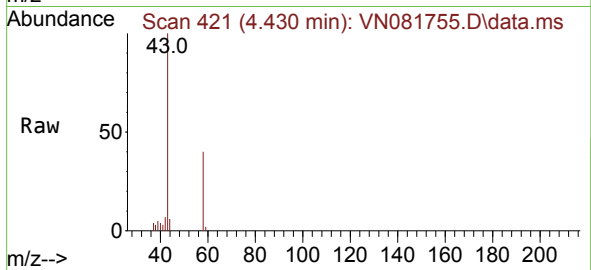
Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



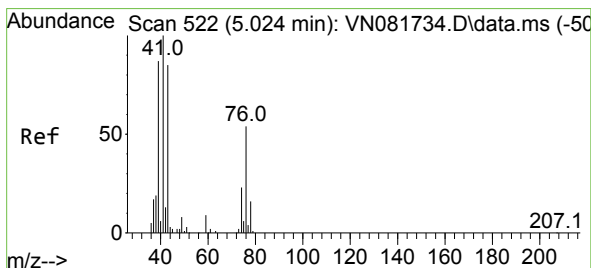
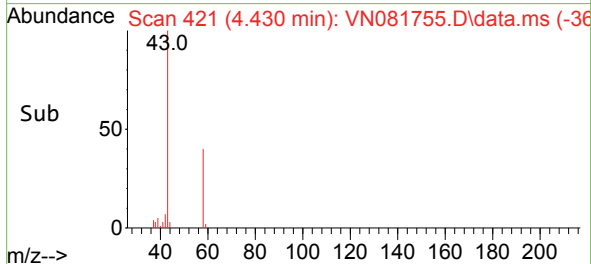
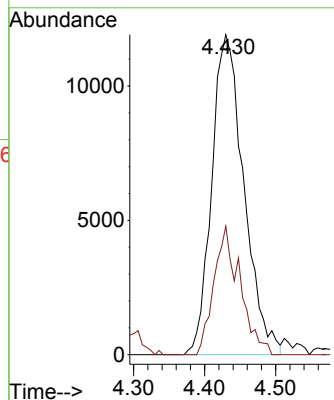


#16
Acetone
Concen: 40.722 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :

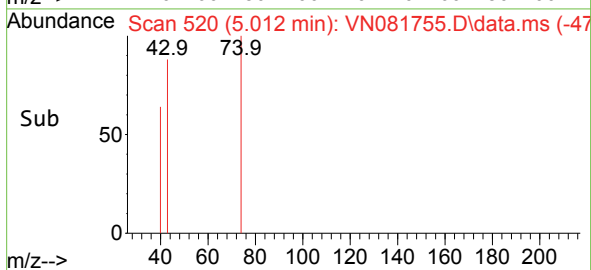
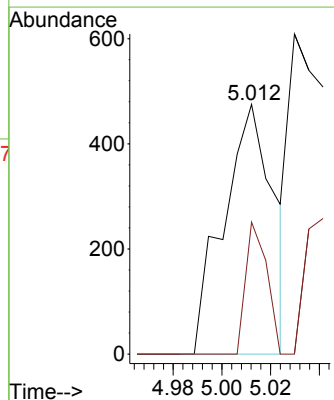
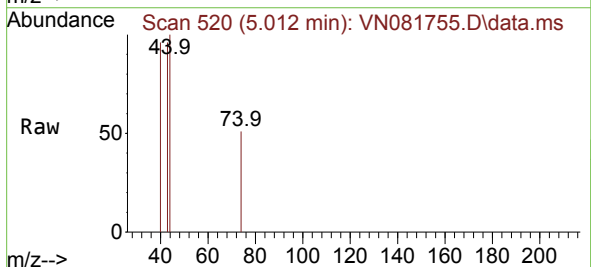


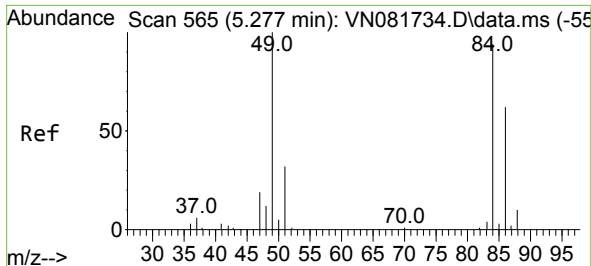
Tgt Ion: 43 Resp: 37367
Ion Ratio Lower Upper
43 100
58 40.1 25.2 37.8#



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

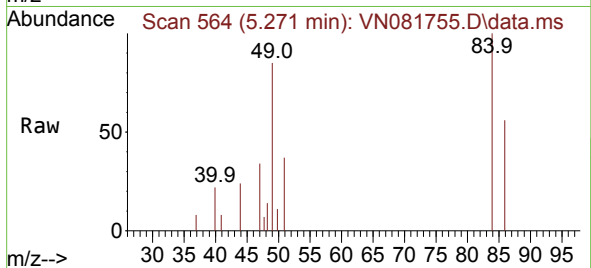
Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
74 22.3 22.2 33.2



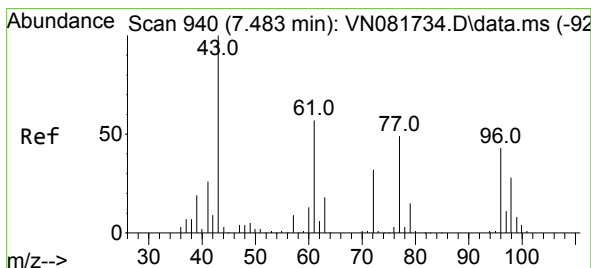
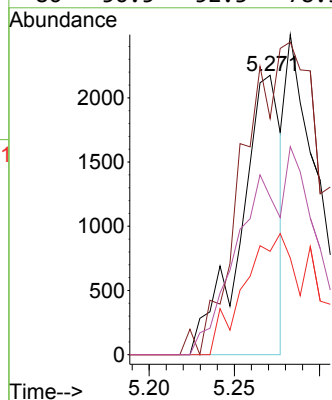


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :

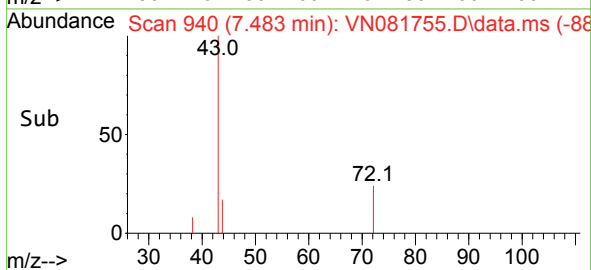
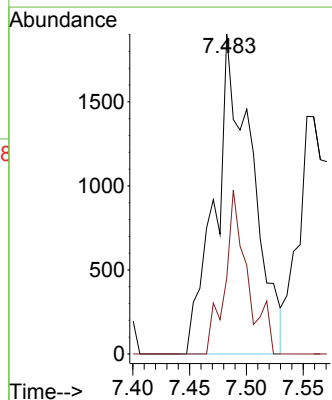
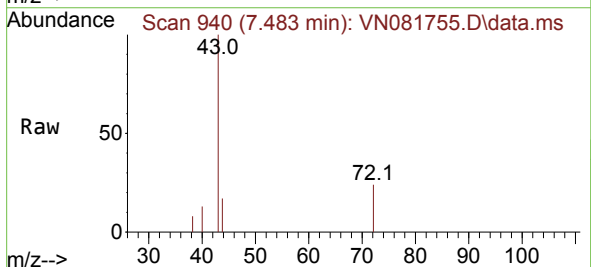


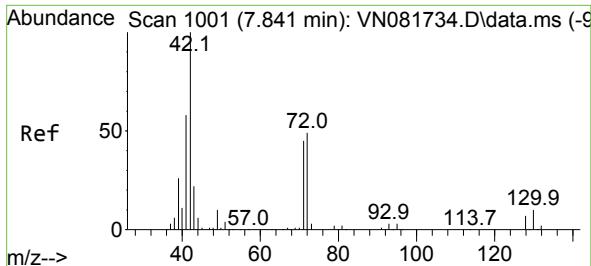
Tgt Ion: 84	Resp: 3549
Ion Ratio	Lower Upper
84 100	
49 84.6	84.9 127.3#
51 37.0	27.0 40.6
86 56.5	52.3 78.5



#25
2-Butanone
Concen: 2.837 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

Tgt Ion: 43	Resp: 4292
Ion Ratio	Lower Upper
43 100	
72 23.6	25.3 37.9#

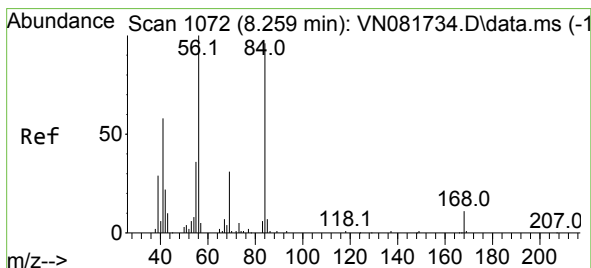
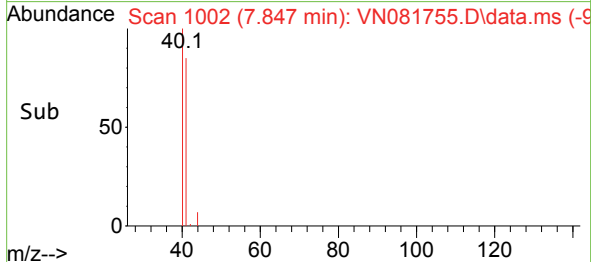
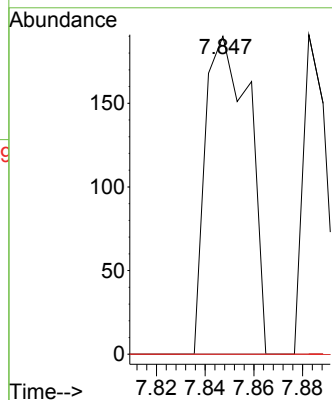
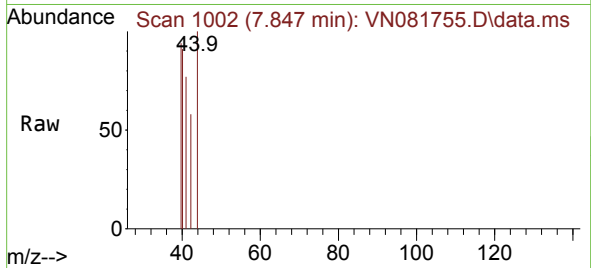




#29
Tetrahydrofuran
Concen: 0.242 ug/l
RT: 7.847 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

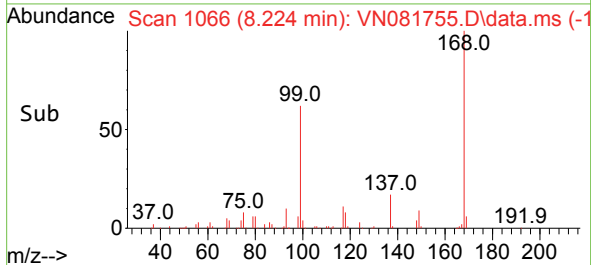
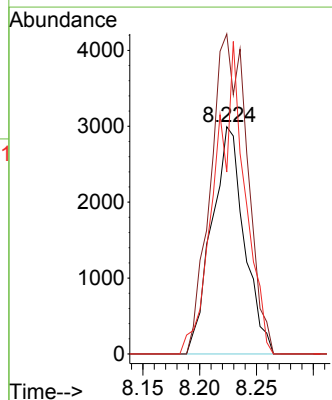
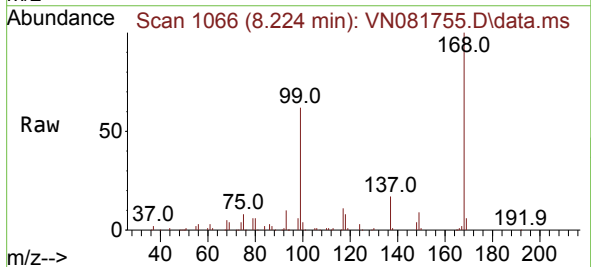
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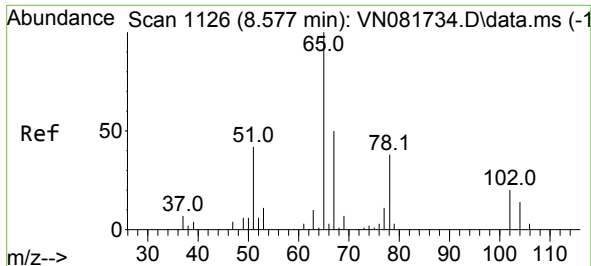
Tgt Ion: 42 Resp: 237
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

Tgt Ion: 56 Resp: 5965
Ion Ratio Lower Upper
56 100
69 140.8 24.4 36.6#
84 80.1 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 52.179 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Instrument :

MSVOA_N

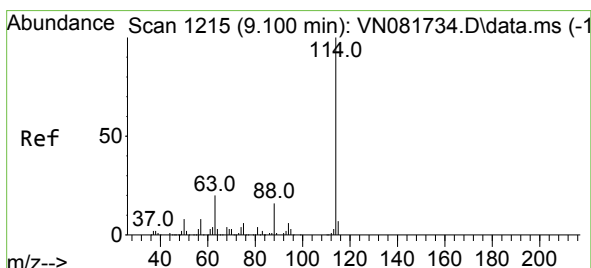
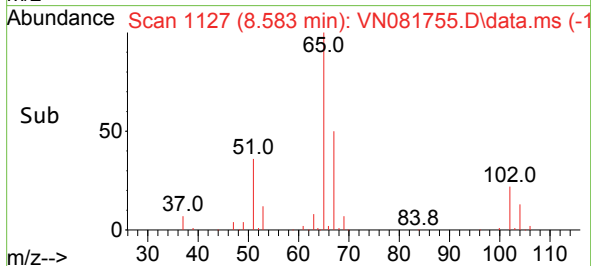
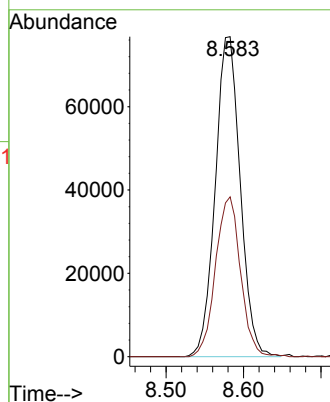
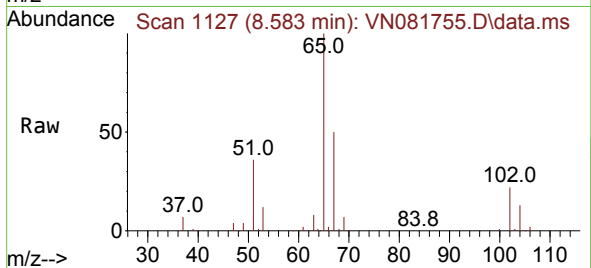
ClientSampleId :

Tgt Ion: 65 Resp: 172031

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

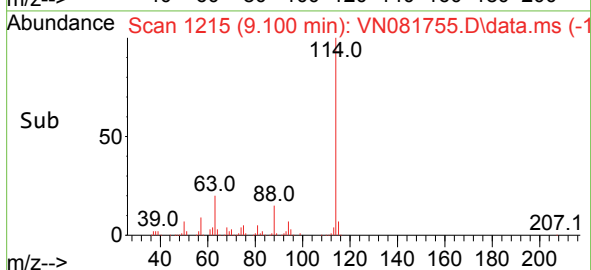
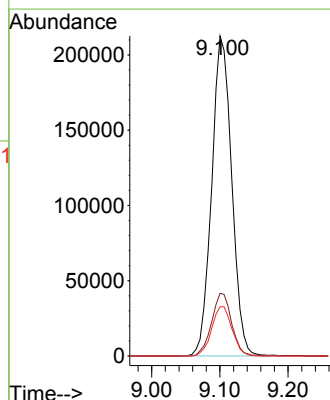
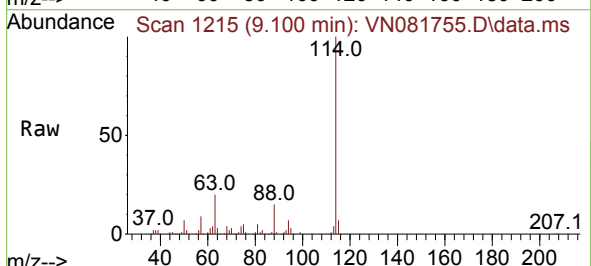
Tgt Ion:114 Resp: 434980

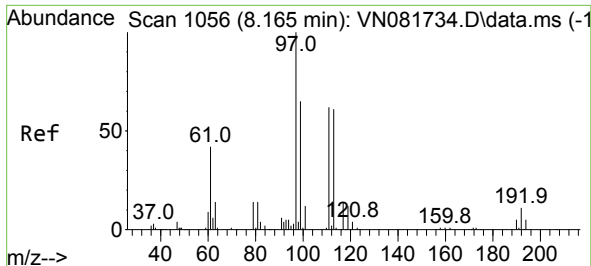
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

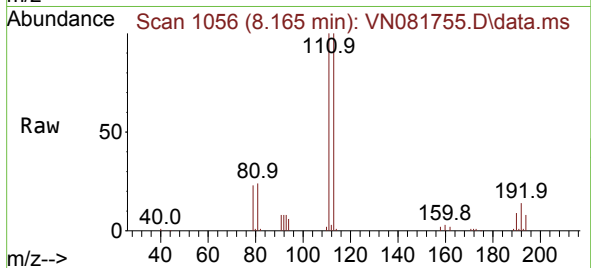
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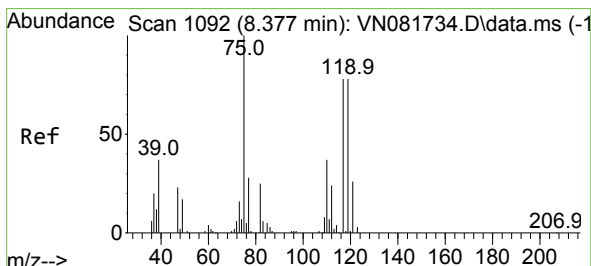
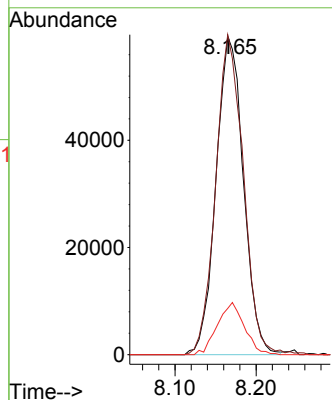
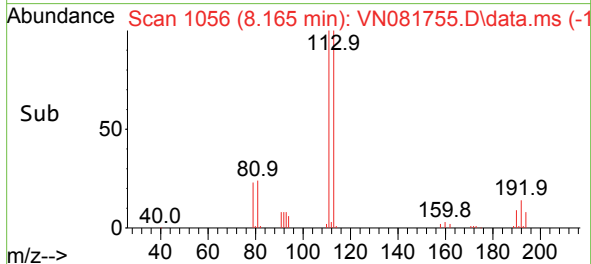


#35
 Dibromofluoromethane
 Concen: 48.556 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN081755.D
 Acq: 16 Apr 2024 13:39

Instrument :
 MSVOA_N
 ClientSampleId :

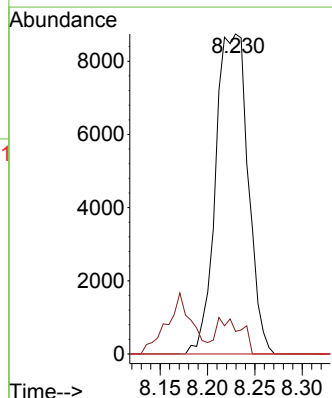
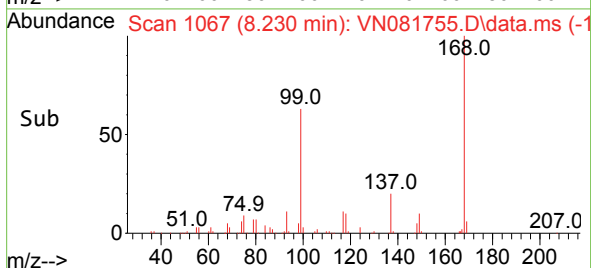
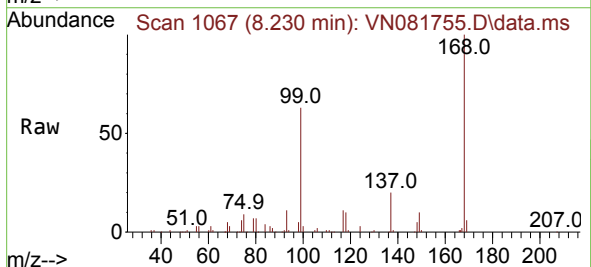


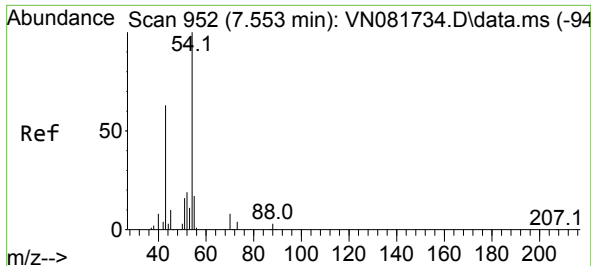
Tgt Ion:113 Resp: 139471
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.4 125.2
 192 16.2 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN081755.D
 Acq: 16 Apr 2024 13:39

Tgt Ion: 75 Resp: 20801
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.8 53.5#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.019 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.000 min

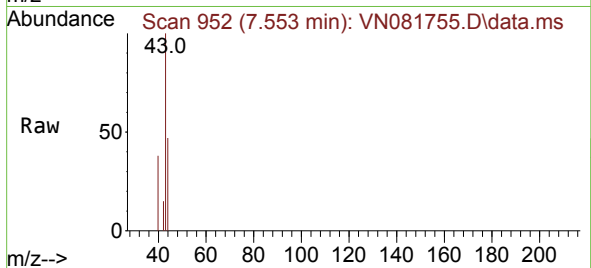
Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

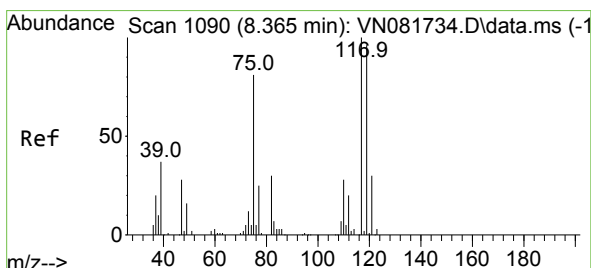
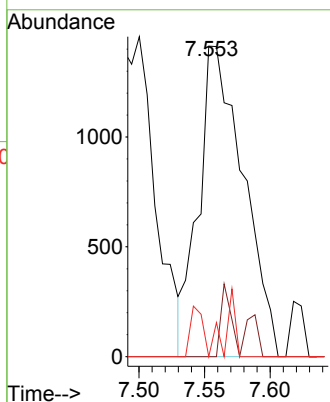
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3350
Ion	Ratio	Lower	Upper
43	100		
61	5.3	11.3	16.9#
70	4.9	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.586 ug/l

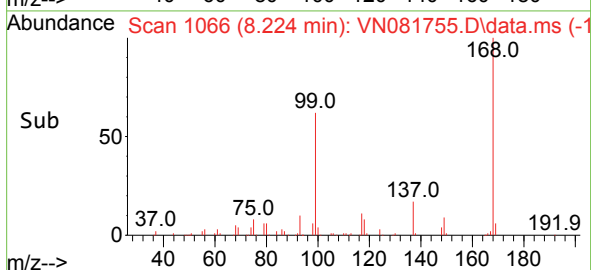
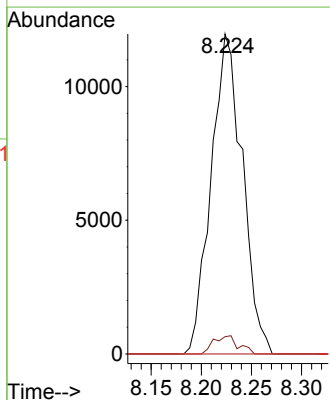
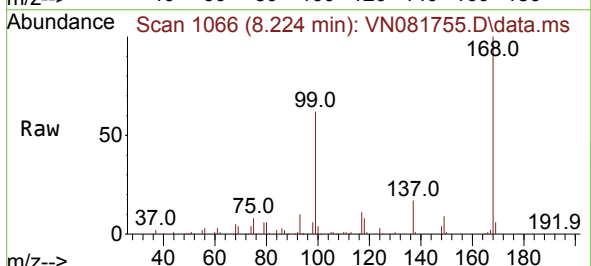
RT: 8.224 min Scan# 1066

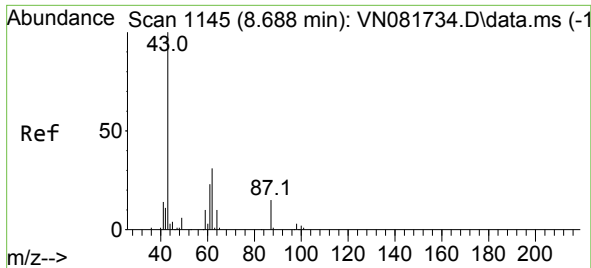
Delta R.T. -0.141 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

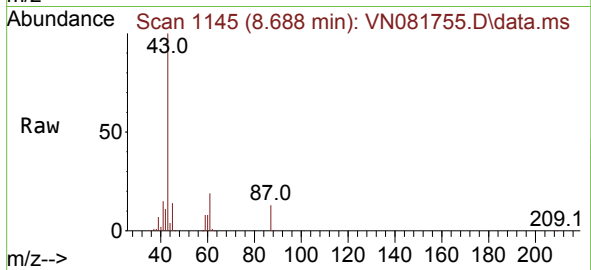
Tgt Ion:	117	Resp:	26008
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.5	114.7#
121	0.0	23.9	35.9#



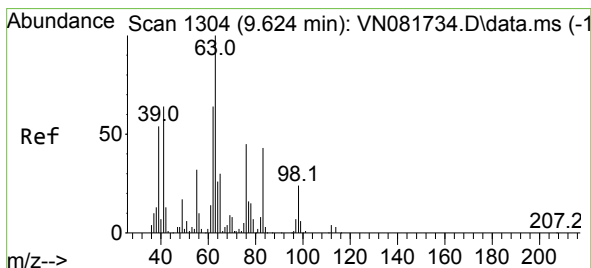
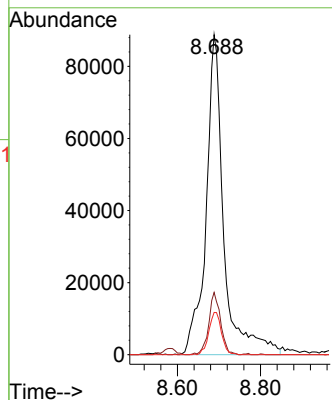
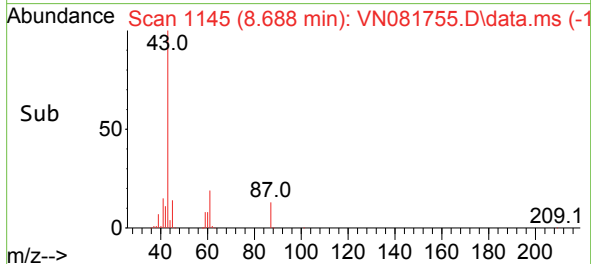


#43
Isopropyl Acetate
Concen: 42.722 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

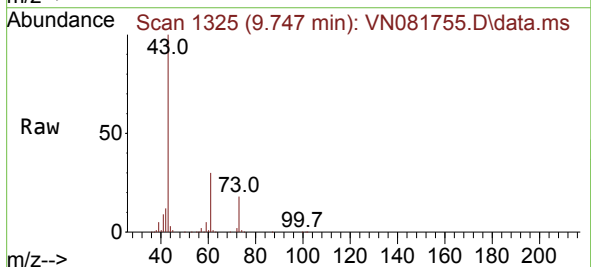
Instrument :
MSVOA_N
ClientSampleId :



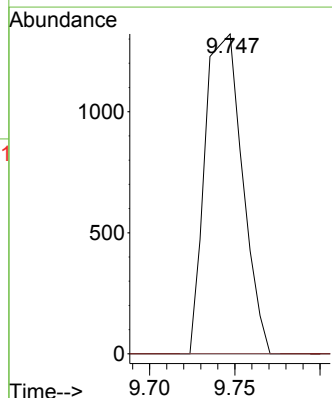
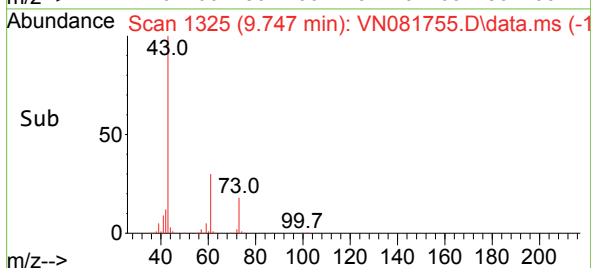
Tgt Ion: 43 Resp: 262102
Ion Ratio Lower Upper
43 100
61 13.0 22.8 34.2#
87 9.4 12.0 18.0#

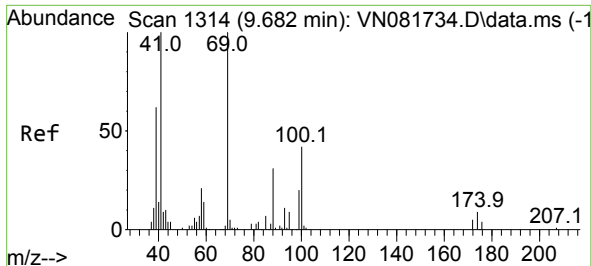


#45
1,2-Dichloropropane
Concen: 0.702 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39



Tgt Ion: 63 Resp: 2019
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

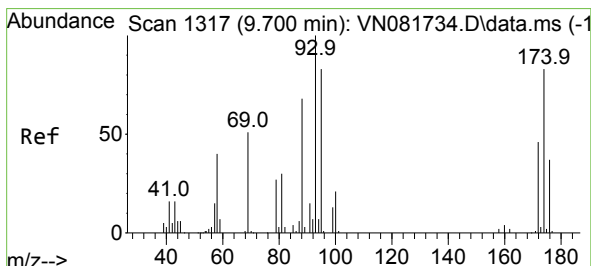
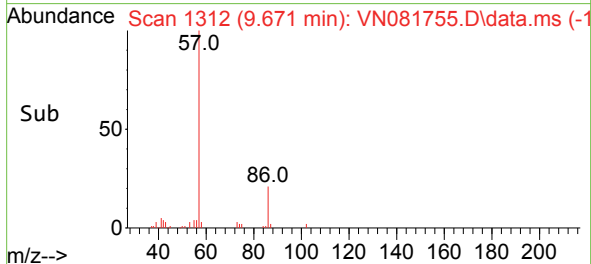
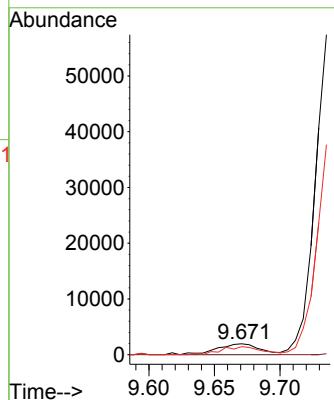
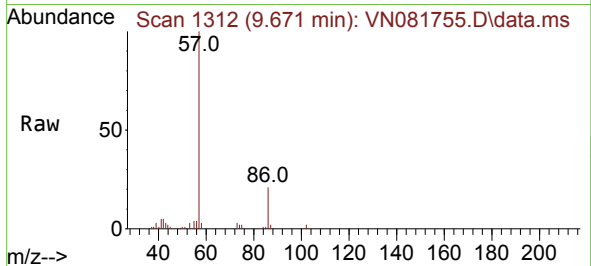




#48
Methyl methacrylate
Concen: 1.789 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

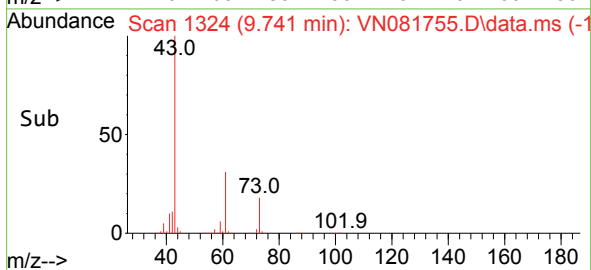
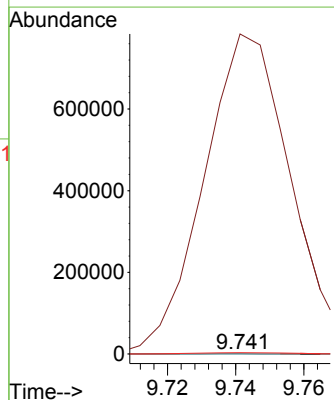
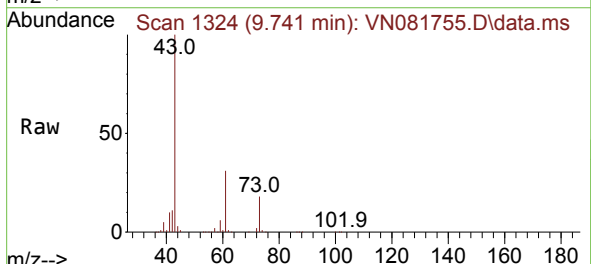
Instrument :
MSVOA_N
ClientSampleId :

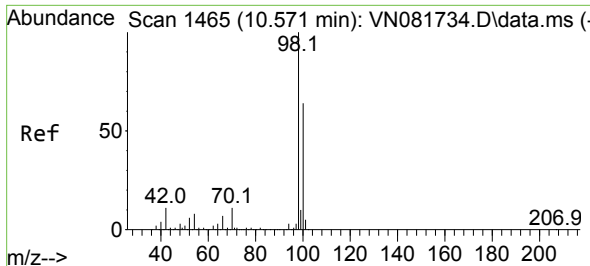
Tgt Ion: 41 Resp: 4473
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 68.7 50.9 76.3



#49
1,4-Dioxane
Concen: 4.114 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

Tgt Ion: 88 Resp: 258
Ion Ratio Lower Upper
88 100
43 541596.9 19.0 28.6#
58 2391.9 50.6 76.0#

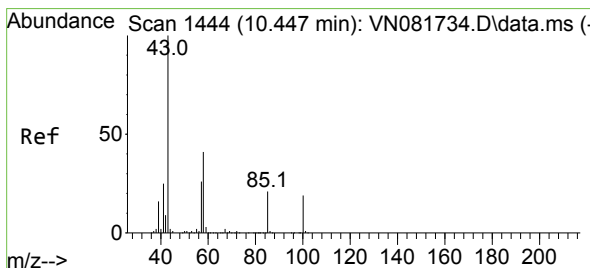
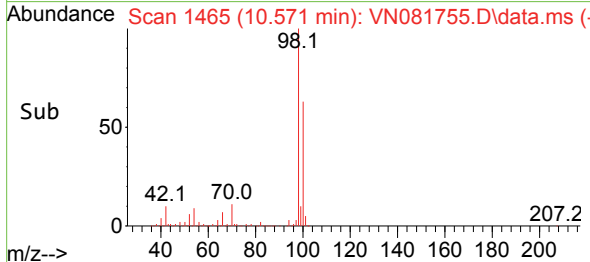
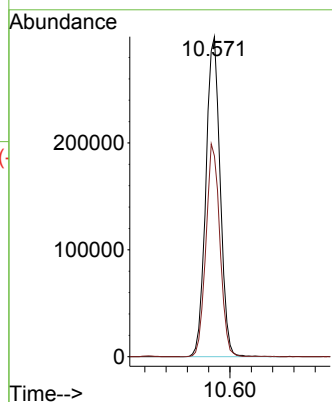
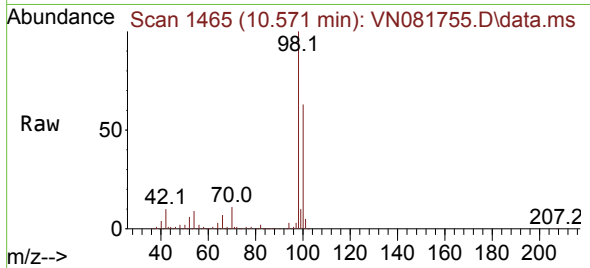




#50
Toluene-d8
Concen: 52.528 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

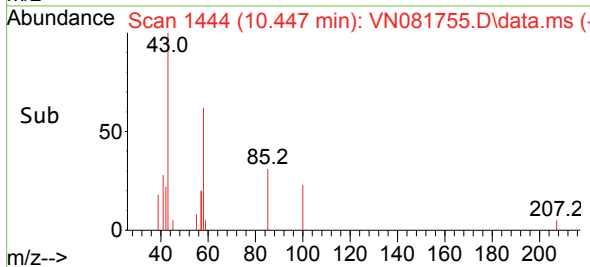
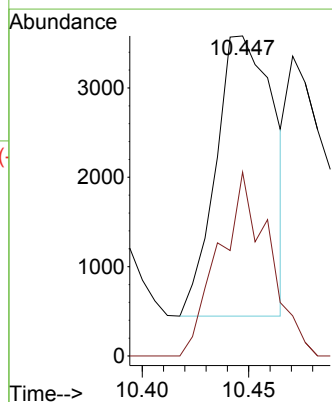
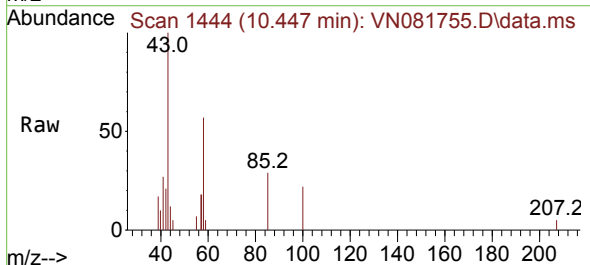
Instrument :
MSVOA_N
ClientSampleId :

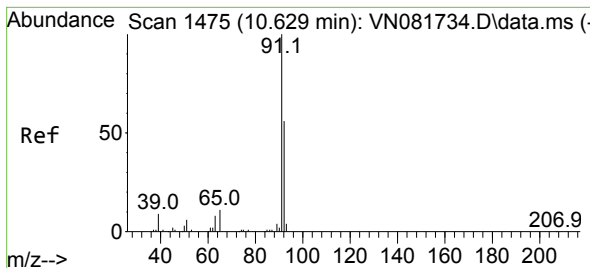
Tgt Ion: 98 Resp: 555831
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.743 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081755.D
Acq: 16 Apr 2024 13:39

Tgt Ion: 43 Resp: 5947
Ion Ratio Lower Upper
43 100
58 56.3 33.2 49.8#





#52

Toluene

Concen: 0.536 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Instrument :

MSVOA_N

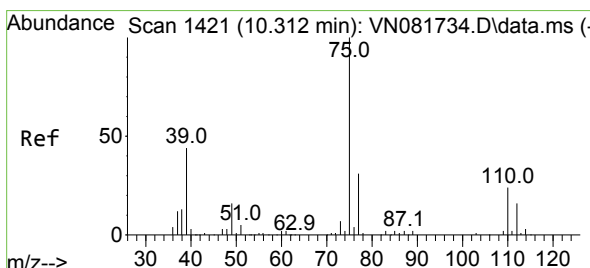
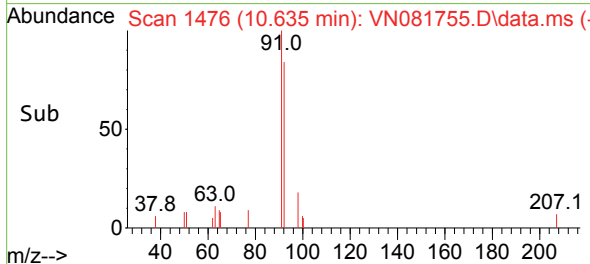
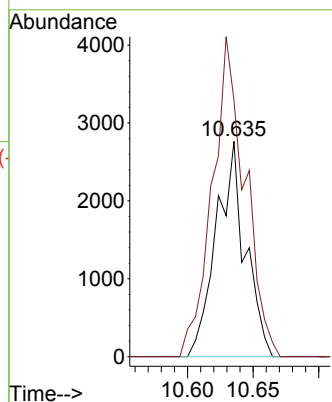
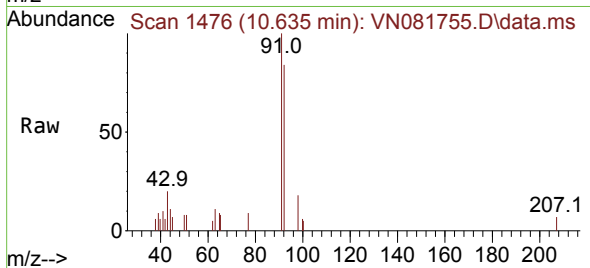
ClientSampleId :

Tgt Ion: 92 Resp: 4246

Ion Ratio Lower Upper

92 100

91 168.1 136.7 205.1



#54

cis-1,3-Dichloropropene

Concen: 13.645 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

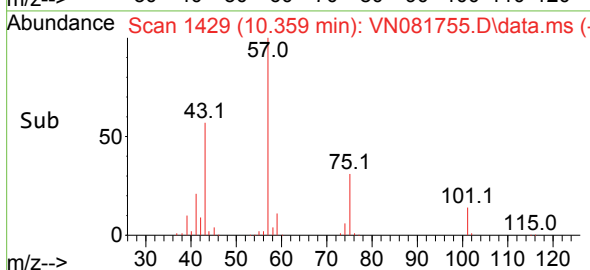
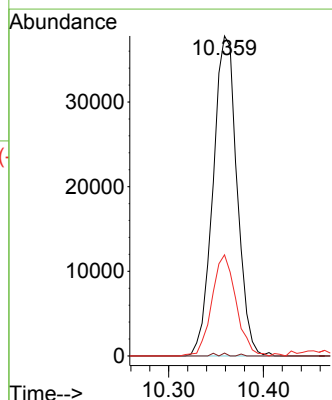
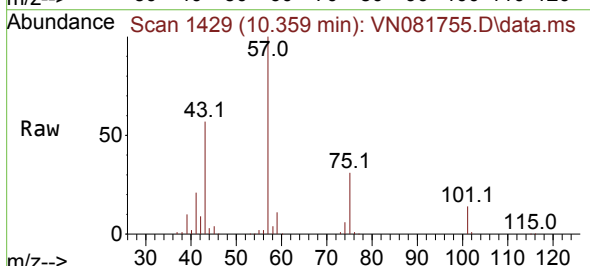
Tgt Ion: 75 Resp: 66354

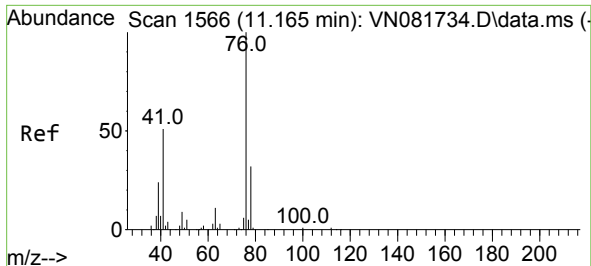
Ion Ratio Lower Upper

75 100

77 0.9 25.0 37.4#

39 31.6 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.722 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Instrument :

MSVOA_N

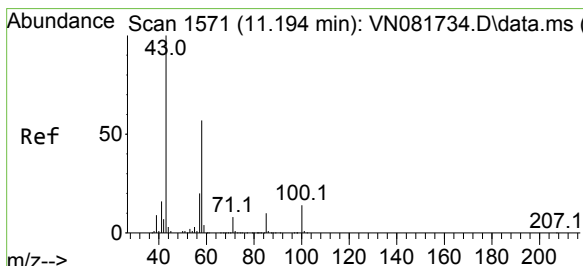
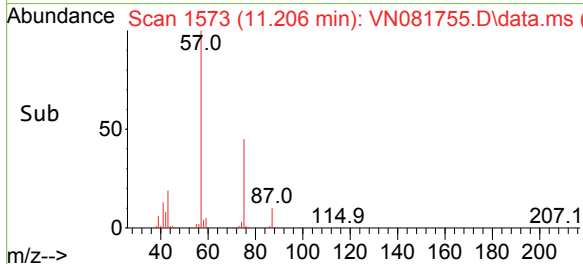
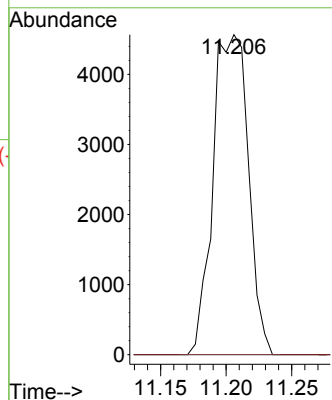
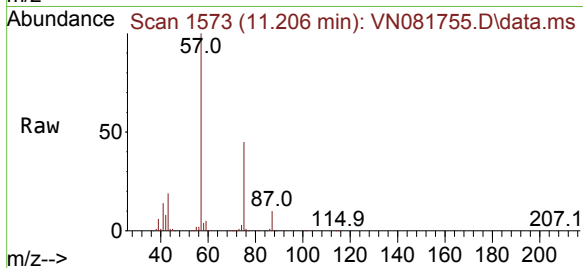
ClientSampleId :

Tgt Ion: 76 Resp: 8575

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 58.348 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081755.D

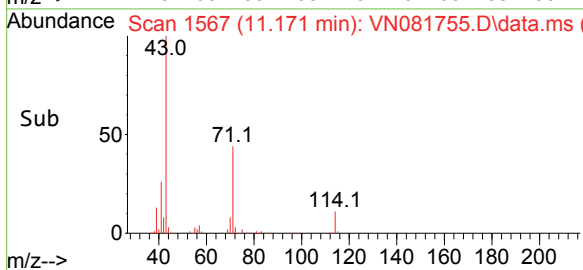
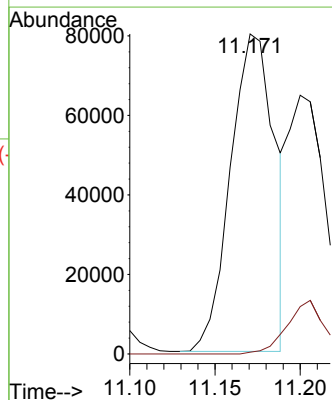
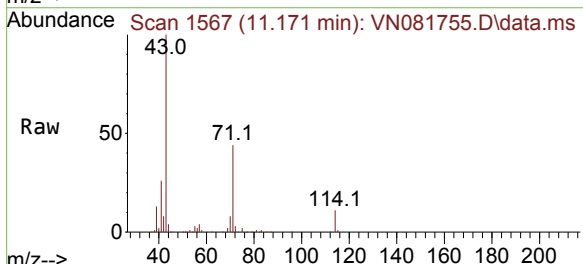
Acq: 16 Apr 2024 13:39

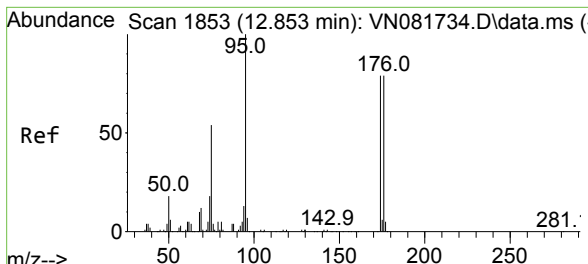
Tgt Ion: 43 Resp: 144134

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

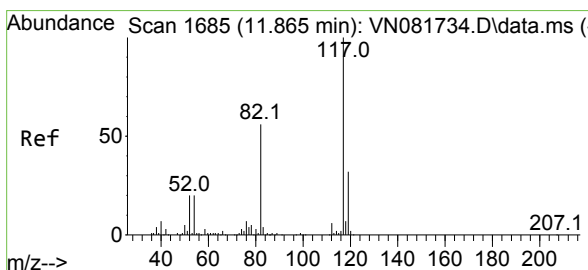
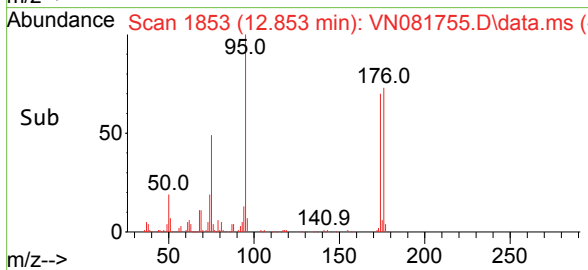
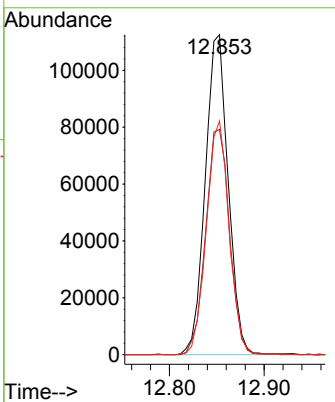
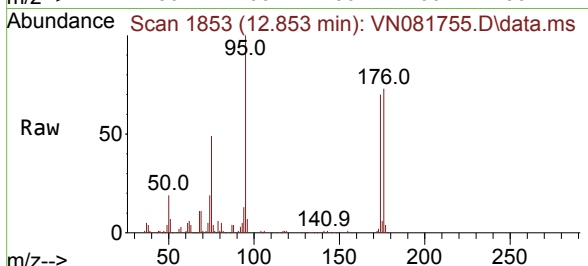




#62
 4-Bromofluorobenzene
 Concen: 52.382 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN081755.D
 Acq: 16 Apr 2024 13:39

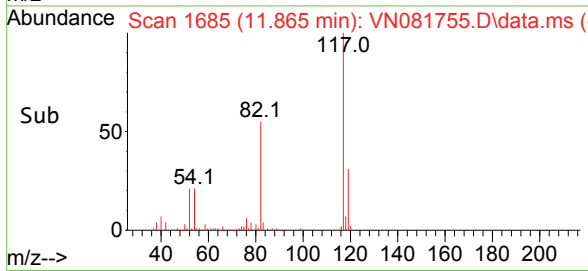
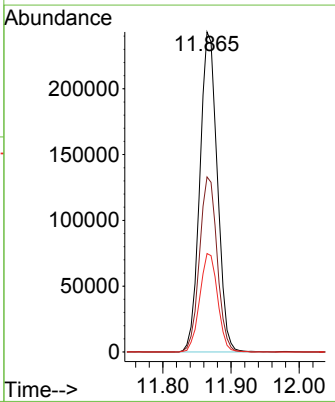
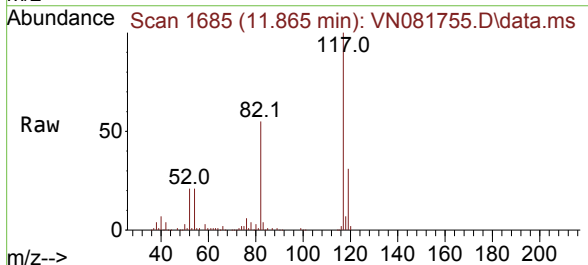
Instrument :
 MSVOA_N
 ClientSampleId :

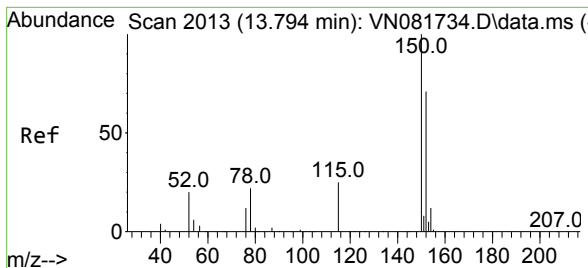
Tgt Ion:	95	Resp:	189416
Ion Ratio	Lower	Upper	
95	100		
174	73.4	0.0	160.6
176	72.0	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN081755.D
 Acq: 16 Apr 2024 13:39

Tgt Ion:	117	Resp:	432968
Ion Ratio	Lower	Upper	
117	100		
82	54.7	44.6	66.8
119	30.8	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

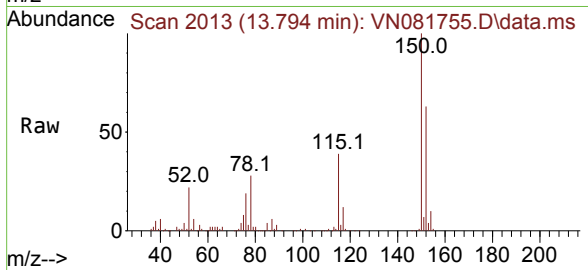
Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :



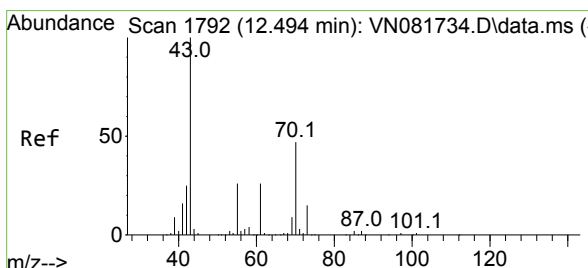
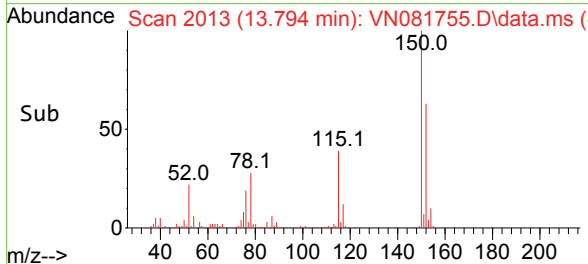
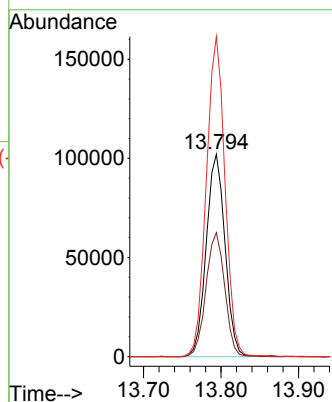
Tgt Ion:152 Resp: 172555

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.3

150 156.5 0.0 353.2



#74

N-ethyl acetate

Concen: 0.213 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Tgt Ion: 43 Resp: 1003

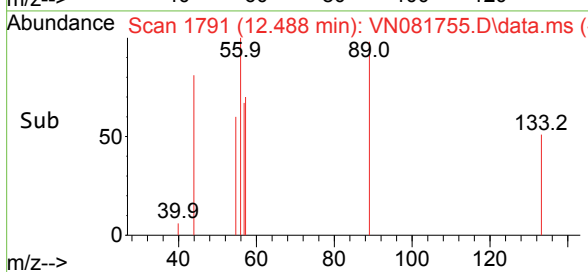
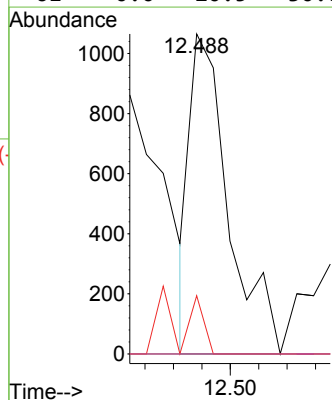
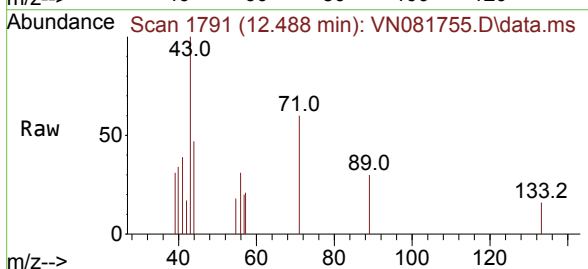
Ion Ratio Lower Upper

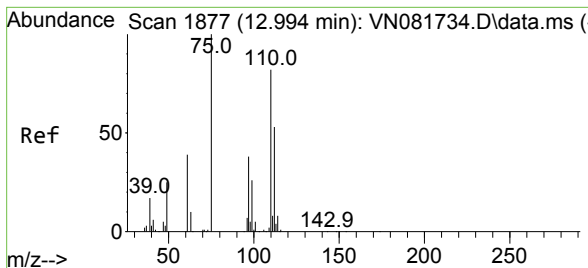
43 100

70 0.0 39.0 58.4#

55 14.8 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 30.681 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Instrument :

MSVOA_N

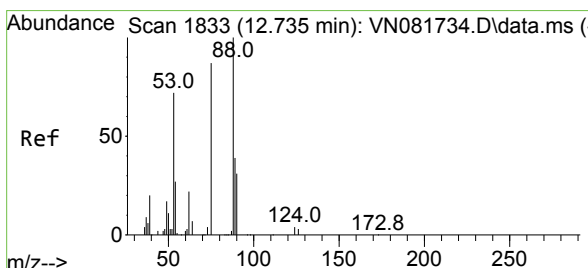
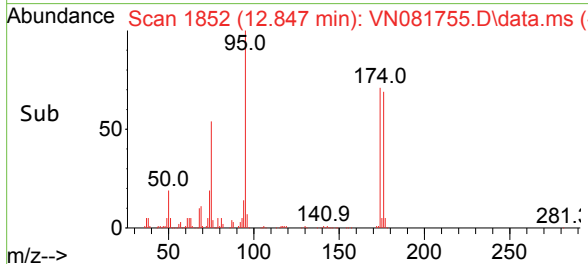
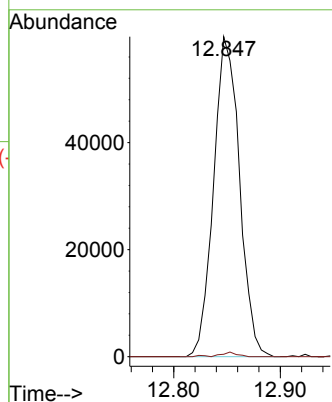
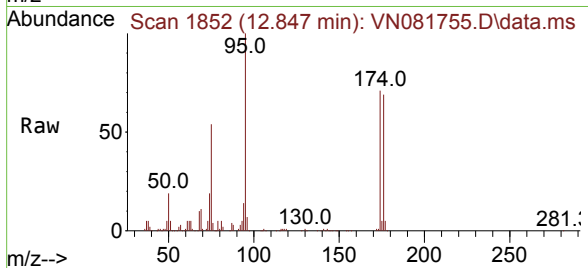
ClientSampleId :

Tgt Ion: 75 Resp: 100896

Ion Ratio Lower Upper

75 100

77 1.0 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.545 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN081755.D

Acq: 16 Apr 2024 13:39

Tgt Ion: 75 Resp: 100896

Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

89 0.0 39.1 58.7#

