

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082716.D
 Acq On : 25 Jun 2024 14:33
 Operator : JC\MD
 Sample : PB161676ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:22:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

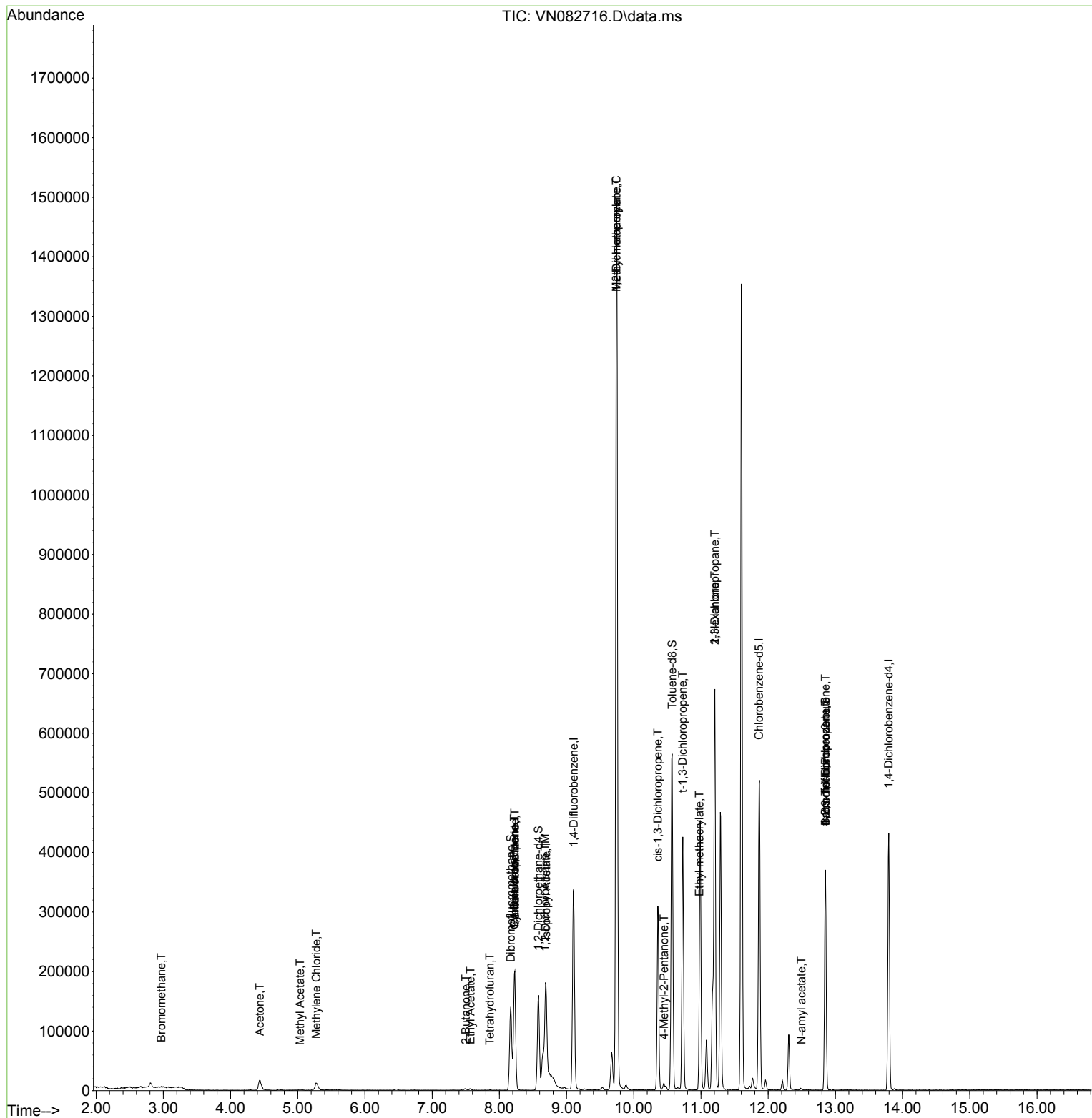
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	135474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	270147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	129060	59.406	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.820%	
35) Dibromofluoromethane	8.171	113	95626	52.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.360%	
50) Toluene-d8	10.571	98	366295	52.853	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.700%	
62) 4-Bromofluorobenzene	12.853	95	115203	48.215	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 96.420%	
Target Compounds						Qvalue
5) Bromomethane	2.971	94	662	0.476	ug/l #	1
16) Acetone	4.436	43	33785	34.194	ug/l	95
18) Methyl Acetate	5.036	43	3351	1.387	ug/l #	77
20) Methylene Chloride	5.277	84	8770	5.049	ug/l	88
25) 2-Butanone	7.500	43	4717	3.359	ug/l #	83
29) Tetrahydrofuran	7.859	42	425	0.494	ug/l #	38
31) Cyclohexane	8.224	56	4076	1.300	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12328	4.500	ug/l #	49
37) Ethyl Acetate	7.571	43	4200	1.204	ug/l #	80
38) Carbon Tetrachloride	8.230	117	14939	4.839	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1111	0.345	ug/l #	78
43) Isopropyl Acetate	8.694	43	313196	48.023	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1662	0.763	ug/l #	44
48) Methyl methacrylate	9.741	41	153766	57.193	ug/l #	52
51) 4-Methyl-2-Pentanone	10.453	43	7973	2.383	ug/l	91
53) t-1,3-Dichloropropene	10.729	75	682	0.212	ug/l #	59
54) cis-1,3-Dichloropropene	10.359	75	45672	13.720	ug/l #	69
56) Ethyl methacrylate	10.976	69	2233	0.726	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6264	1.825	ug/l #	43
59) 2-Hexanone	11.206	43	103407	40.672	ug/l #	54
71) Bromoform	12.853	173	1311	0.720	ug/l #	1
74) N-amyl acetate	12.494	43	1624	0.363	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	67421	24.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67421	59.755	ug/l #	6

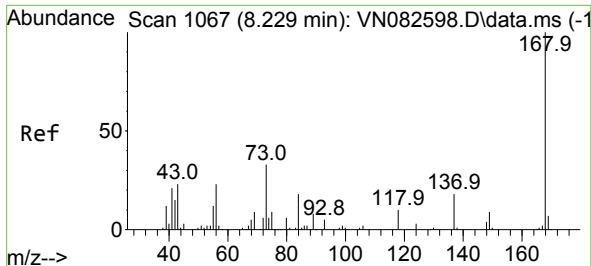
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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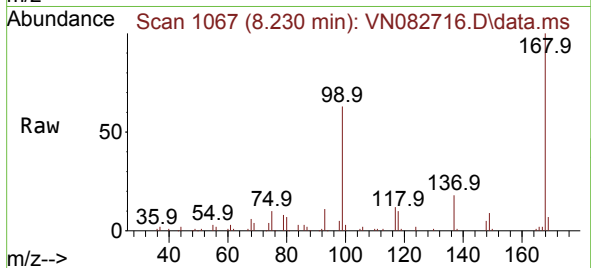
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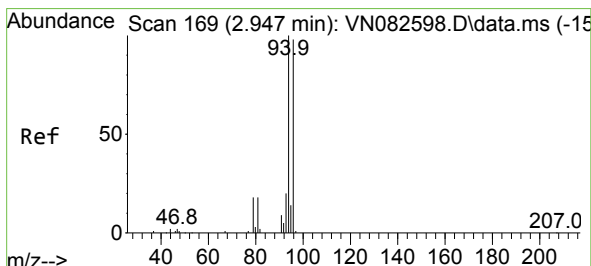
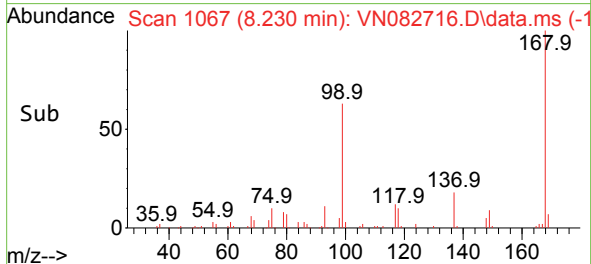
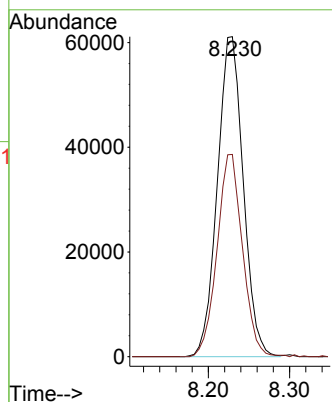


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

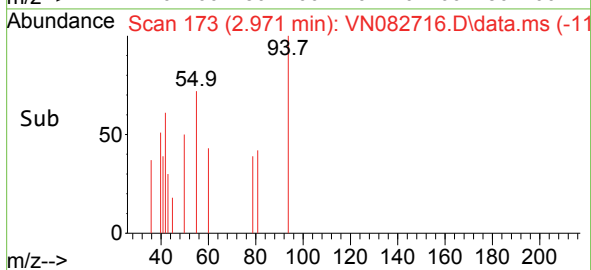
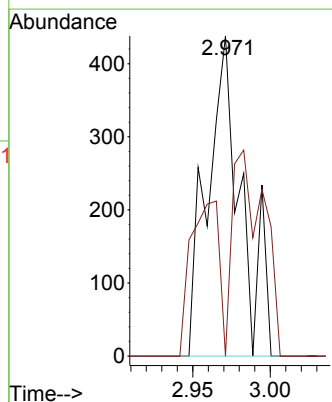
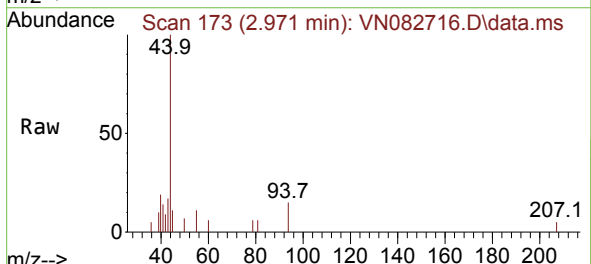


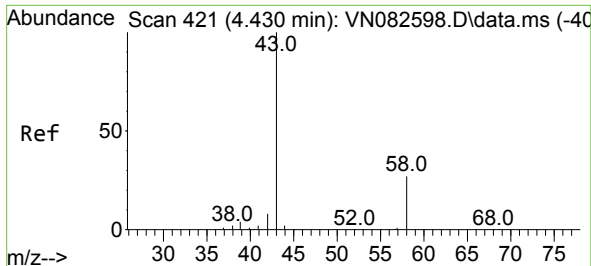
Tgt Ion:168 Resp: 135474
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#5
Bromomethane
Concen: 0.476 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Tgt Ion: 94 Resp: 662
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#

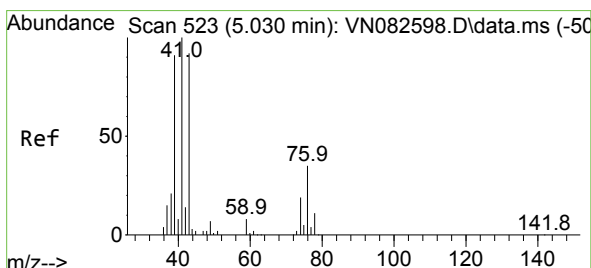
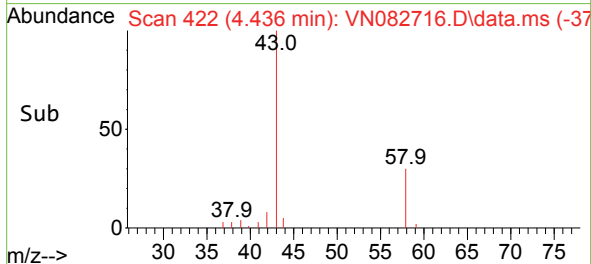
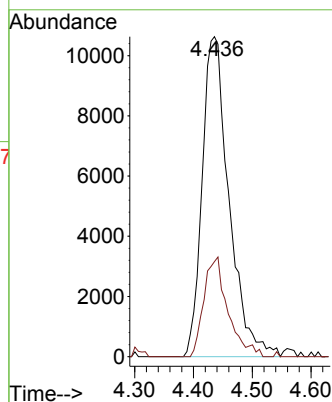
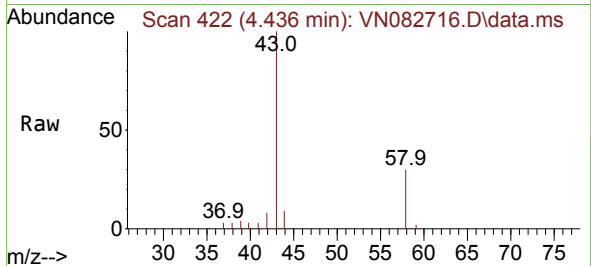




#16
Acetone
Concen: 34.194 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

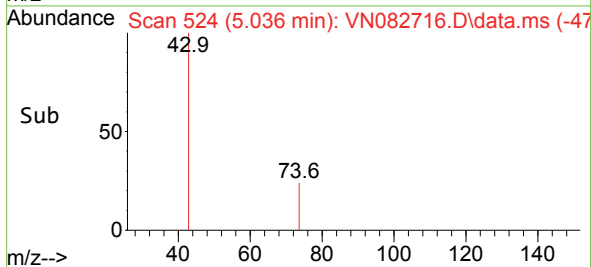
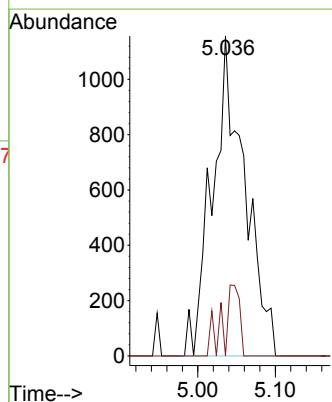
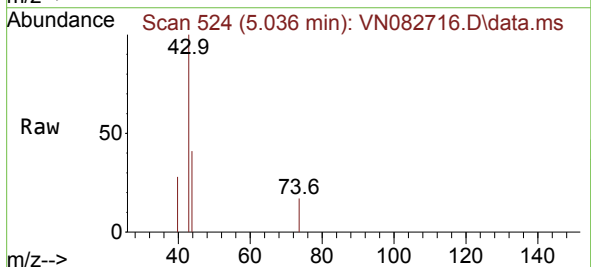
Instrument :
MSVOA_N
ClientSampleId :

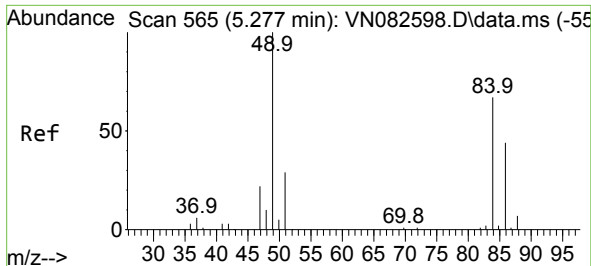
Tgt Ion: 43 Resp: 33785
Ion Ratio Lower Upper
43 100
58 29.7 21.8 32.6



#18
Methyl Acetate
Concen: 1.387 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

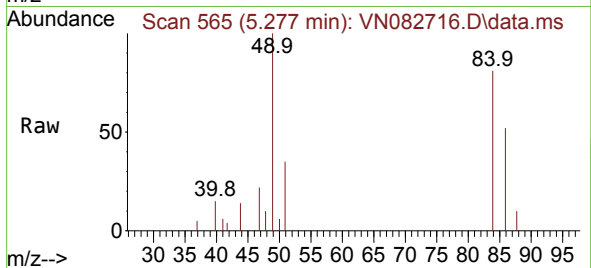
Tgt Ion: 43 Resp: 3351
Ion Ratio Lower Upper
43 100
74 9.6 16.3 24.5#



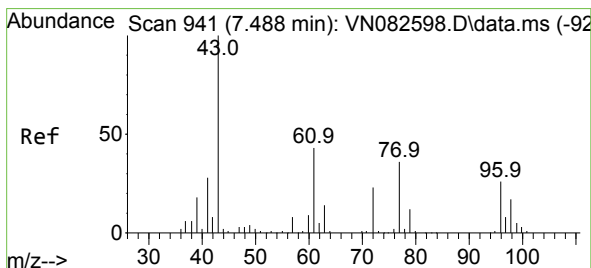
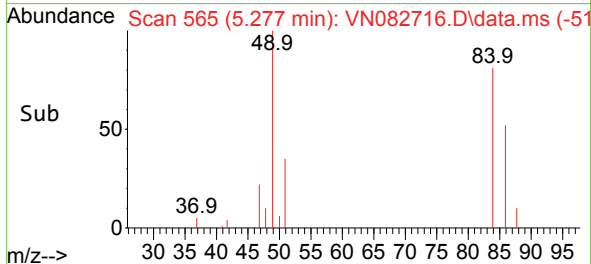
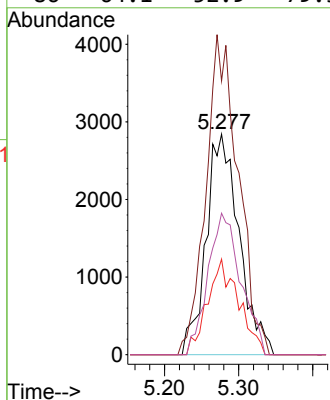


#20
Methylene Chloride
Concen: 5.049 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

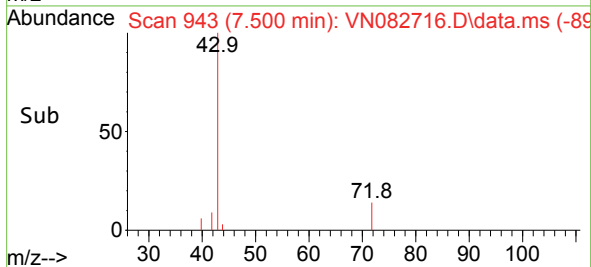
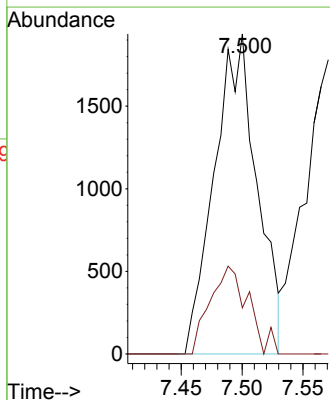
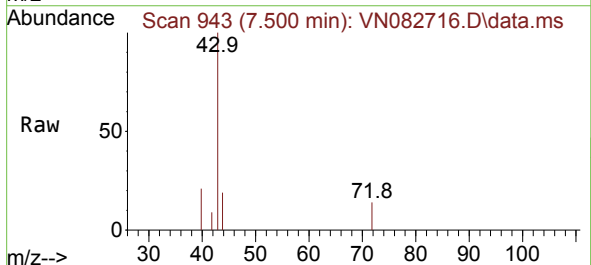


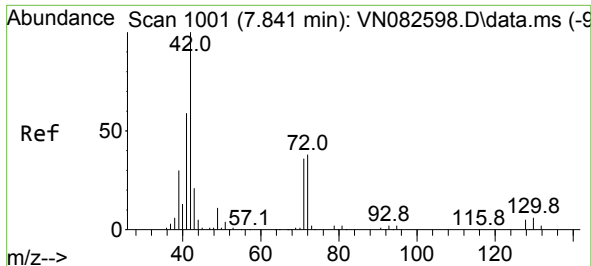
Tgt Ion:	84	Resp:	8770
Ion	Ratio	Lower	Upper
84	100		
49	124.1	119.6	179.4
51	43.3	34.8	52.2
86	64.1	52.9	79.3



#25
2-Butanone
Concen: 3.359 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Tgt Ion:	43	Resp:	4717
Ion	Ratio	Lower	Upper
43	100		
72	14.4	18.2	27.2#





#29

Tetrahydrofuran

Concen: 0.494 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

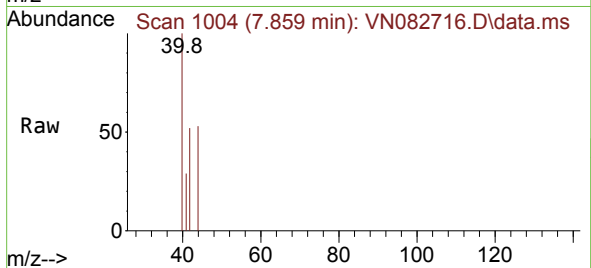
Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

Instrument :

MSVOA_N

ClientSampleId :



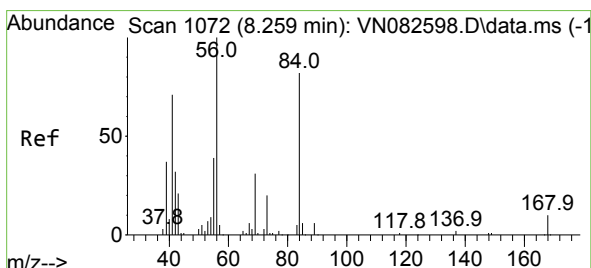
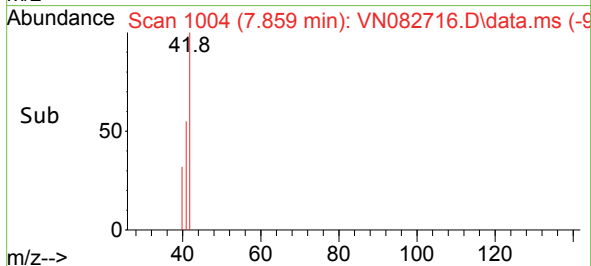
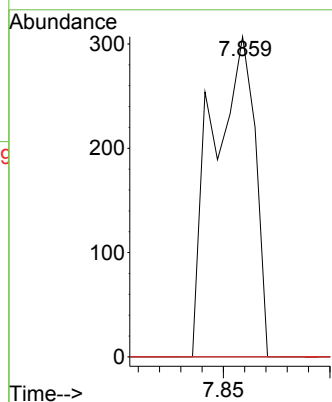
Tgt Ion: 42 Resp: 425

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

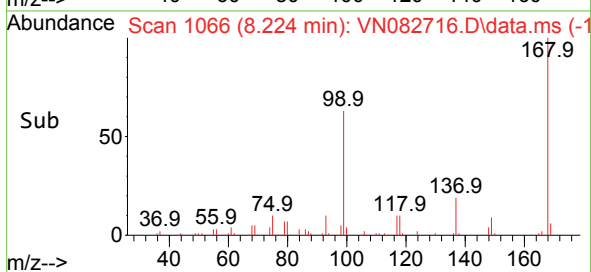
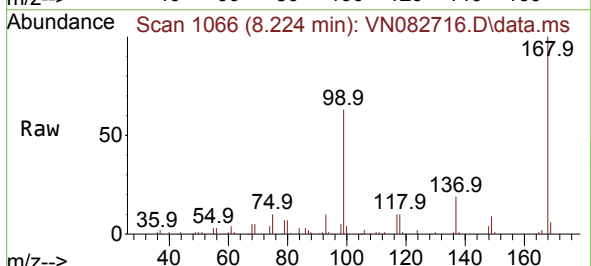
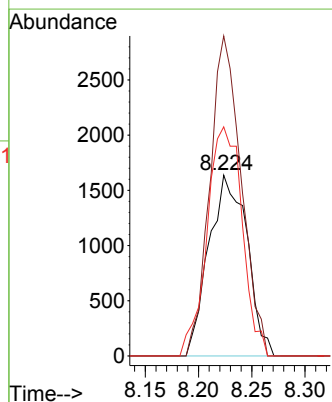
Tgt Ion: 56 Resp: 4076

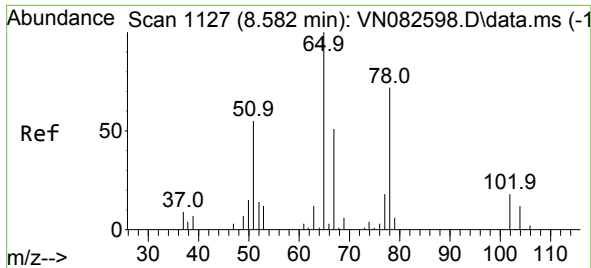
Ion Ratio Lower Upper

56 100

69 177.0 24.5 36.7#

84 126.7 66.0 99.0#

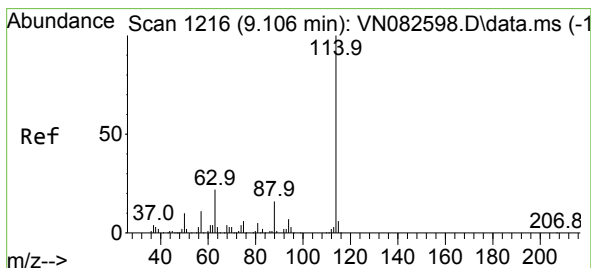
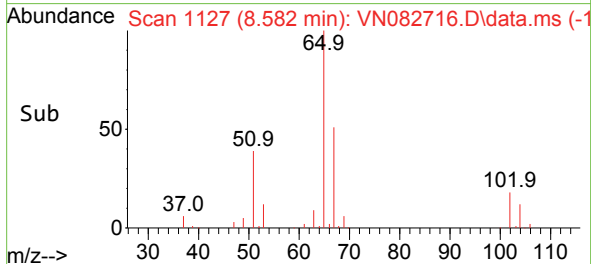
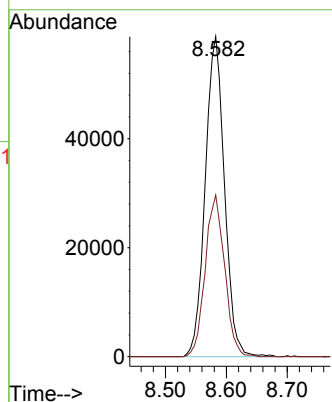
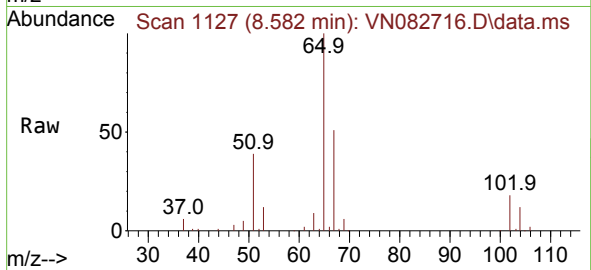




#33
 1,2-Dichloroethane-d4
 Concen: 59.406 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082716.D
 Acq: 25 Jun 2024 14:33

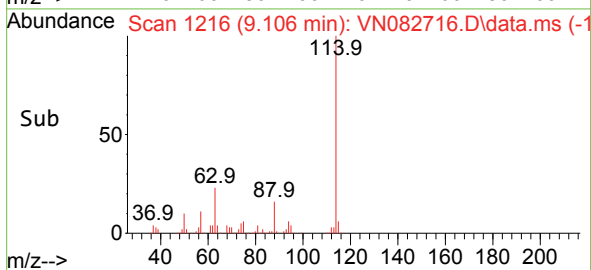
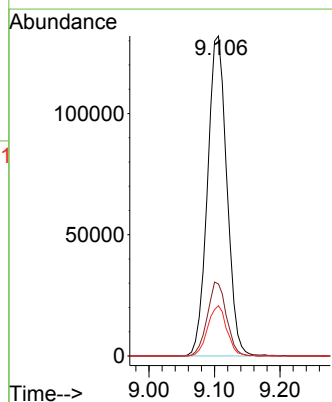
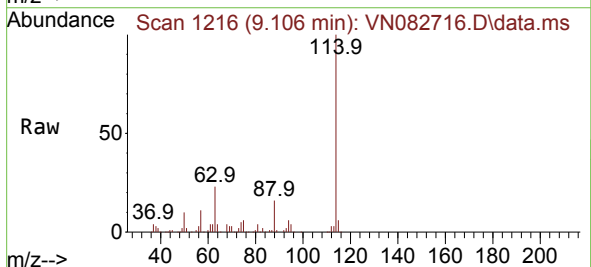
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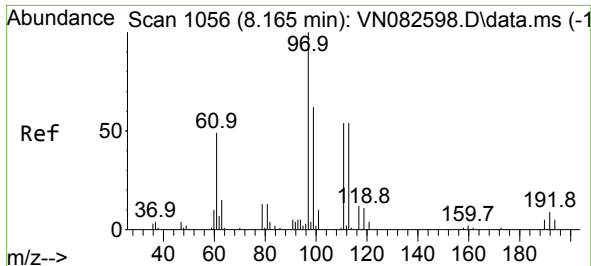
Tgt Ion: 65 Resp: 129060
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082716.D
 Acq: 25 Jun 2024 14:33

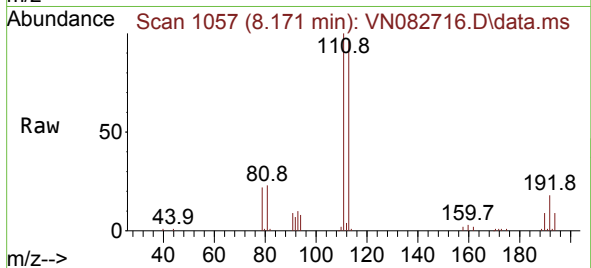
Tgt Ion: 114 Resp: 270147
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.6
 88 15.7 0.0 31.4



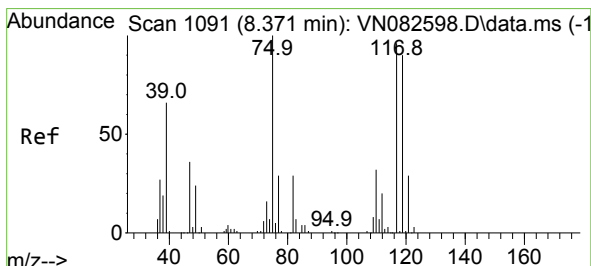
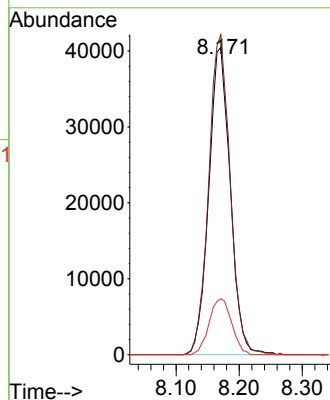
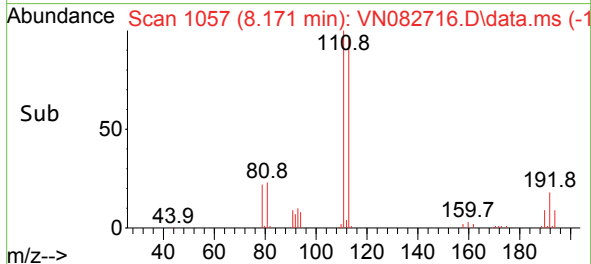


#35
Dibromofluoromethane
Concen: 52.179 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Instrument :
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ClientSampleId :

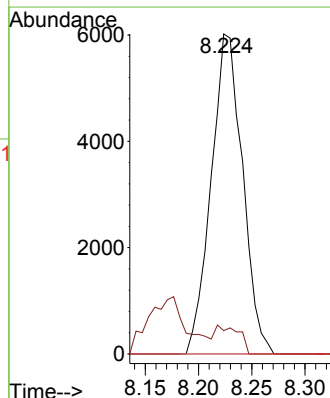
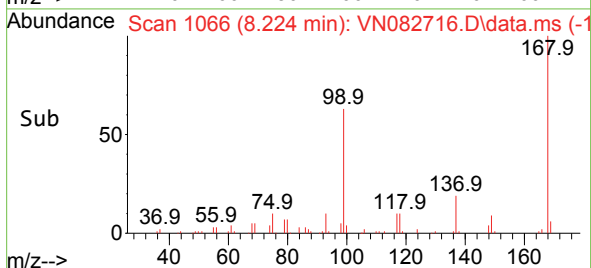
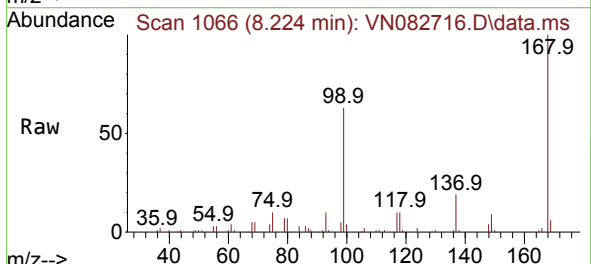


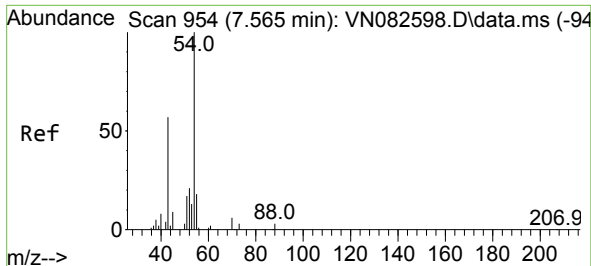
Tgt Ion:113 Resp: 95626
Ion Ratio Lower Upper
113 100
111 104.1 82.4 123.6
192 19.1 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.500 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Tgt Ion: 75 Resp: 12328
Ion Ratio Lower Upper
75 100
110 6.6 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.204 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

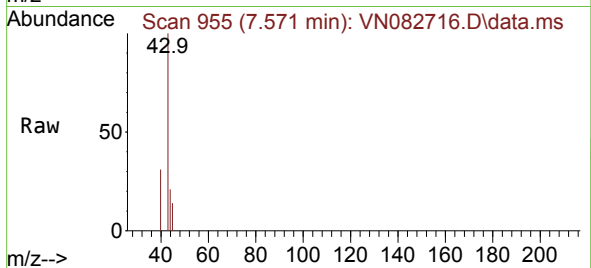
Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

Instrument :

MSVOA_N

ClientSampleId :



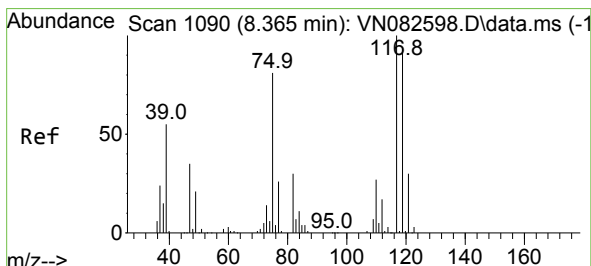
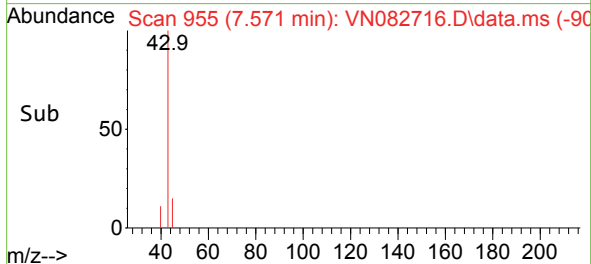
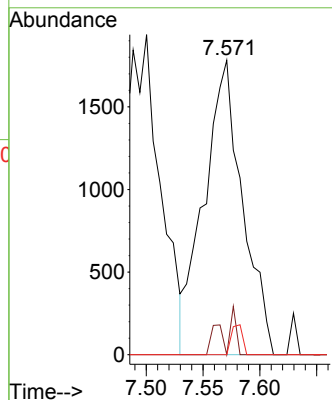
Tgt Ion: 43 Resp: 4200

Ion Ratio Lower Upper

43 100

61 3.0 9.3 13.9#

70 3.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.839 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

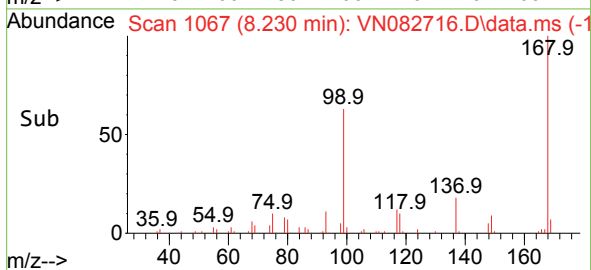
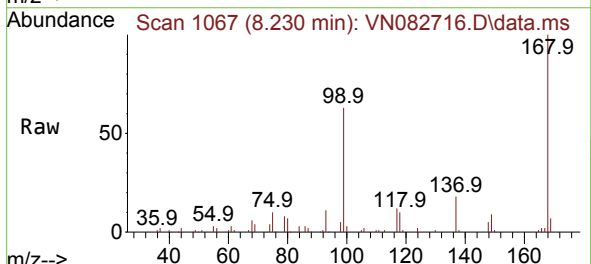
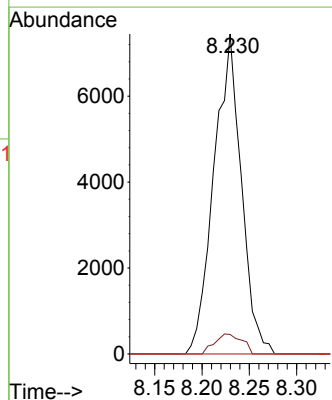
Tgt Ion: 117 Resp: 14939

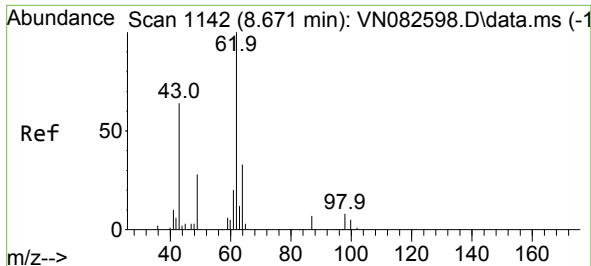
Ion Ratio Lower Upper

117 100

119 6.1 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.345 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

Instrument :

MSVOA_N

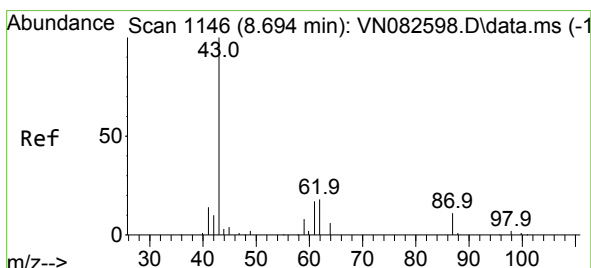
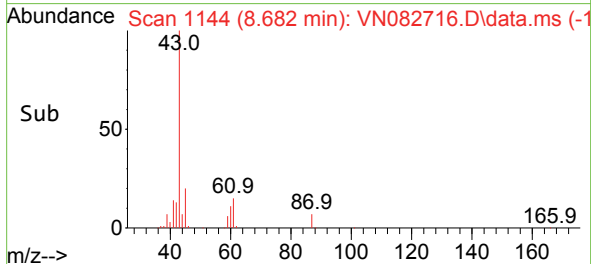
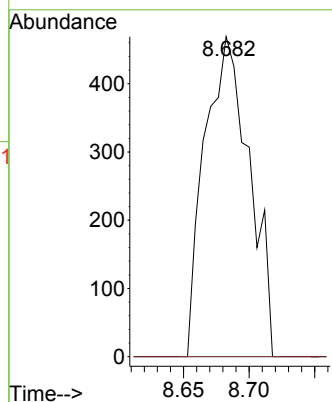
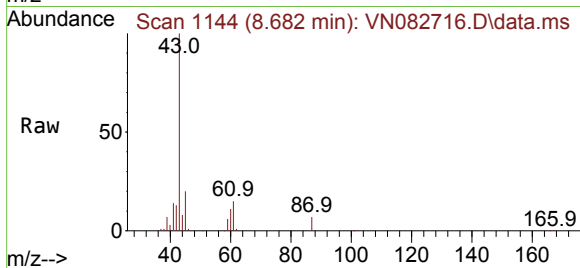
ClientSampleId :

Tgt Ion: 62 Resp: 1111

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 48.023 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

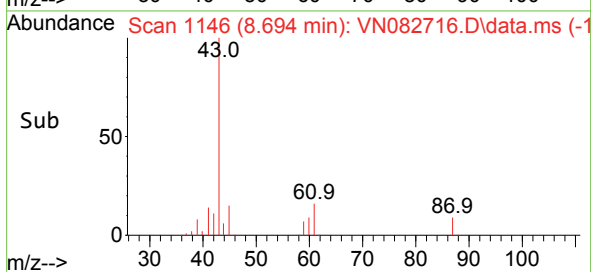
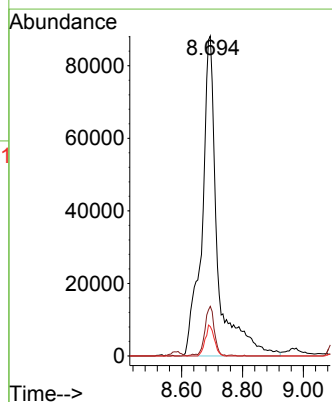
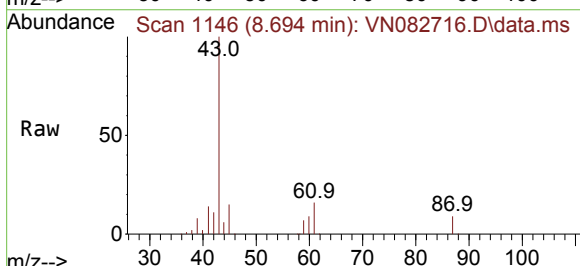
Tgt Ion: 43 Resp: 313196

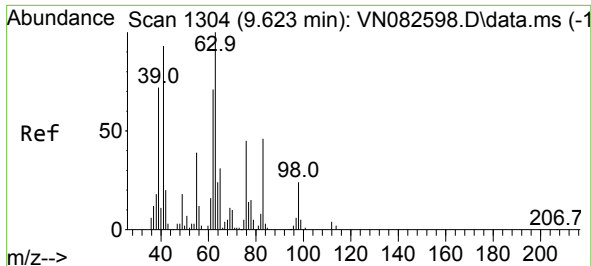
Ion Ratio Lower Upper

43 100

61 9.5 17.8 26.6#

87 5.6 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.763 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

Instrument :

MSVOA_N

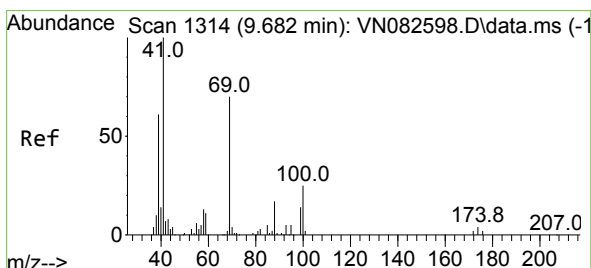
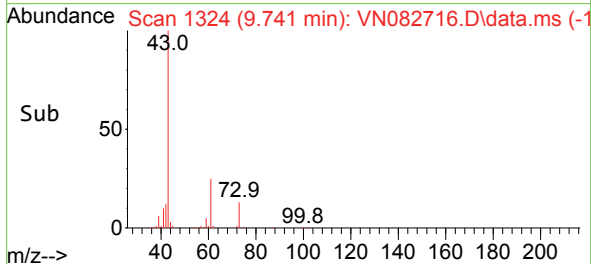
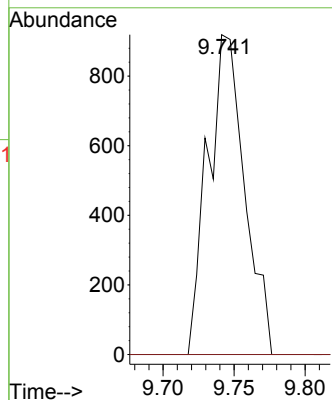
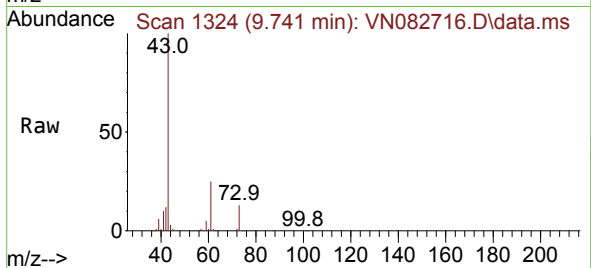
ClientSampleId :

Tgt Ion: 63 Resp: 1662

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 57.193 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

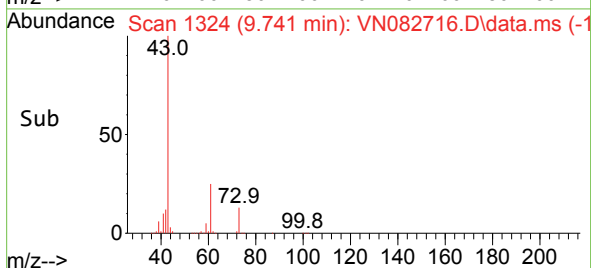
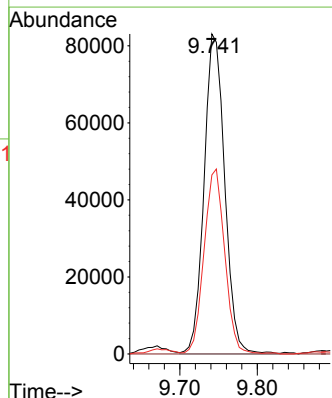
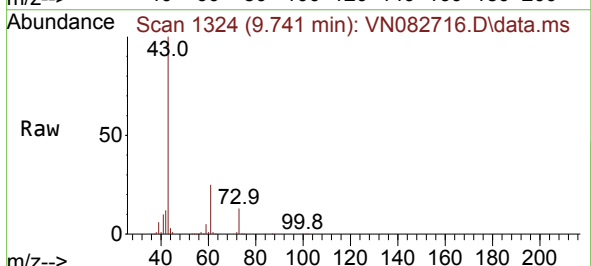
Tgt Ion: 41 Resp: 153766

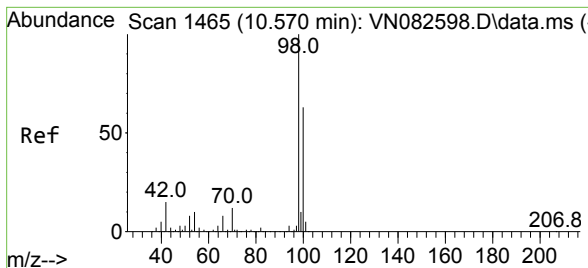
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 57.4 50.3 75.5





#50

Toluene-d8

Concen: 52.853 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

Instrument :

MSVOA_N

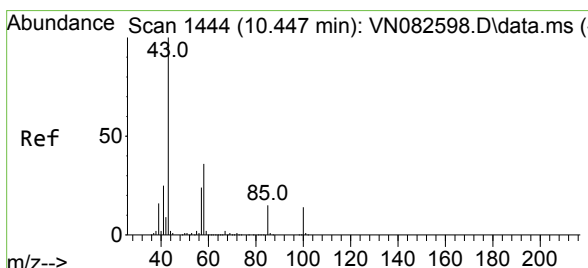
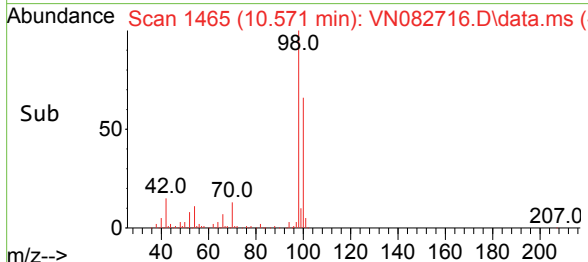
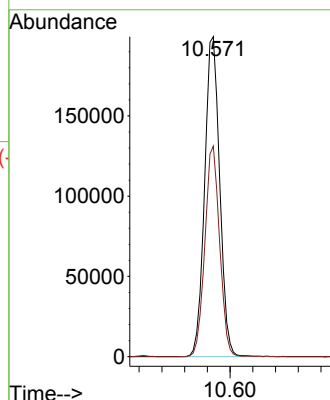
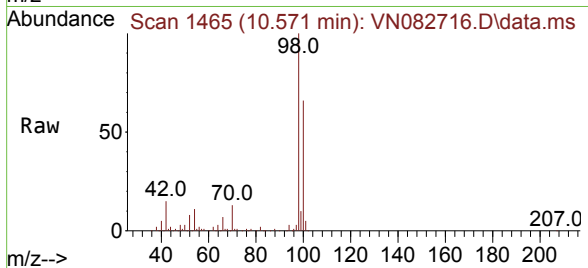
ClientSampleId :

Tgt Ion: 98 Resp: 366295

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 2.383 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN082716.D

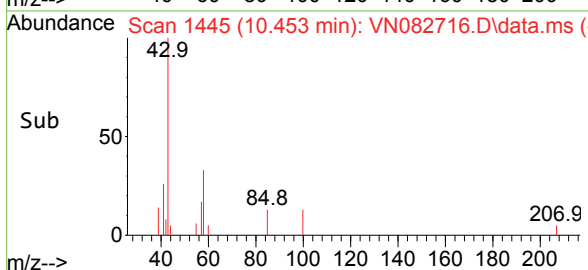
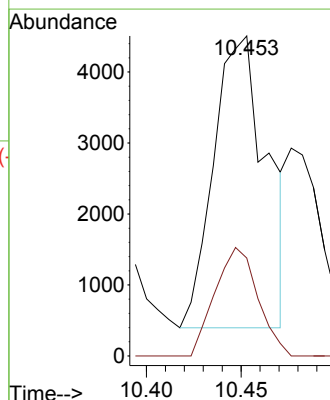
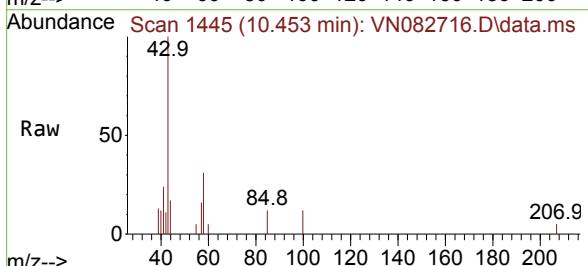
Acq: 25 Jun 2024 14:33

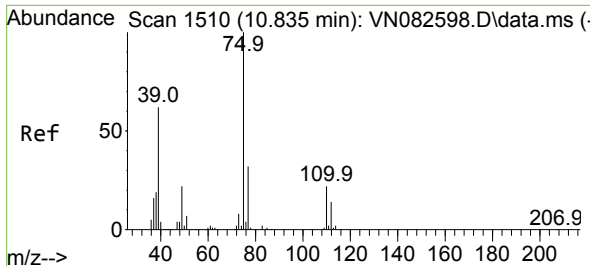
Tgt Ion: 43 Resp: 7973

Ion Ratio Lower Upper

43 100

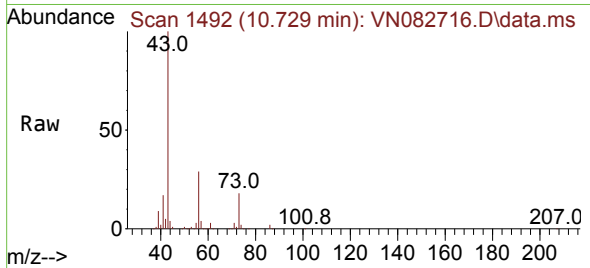
58 30.1 28.2 42.4



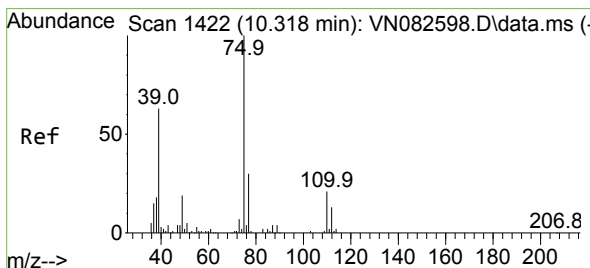
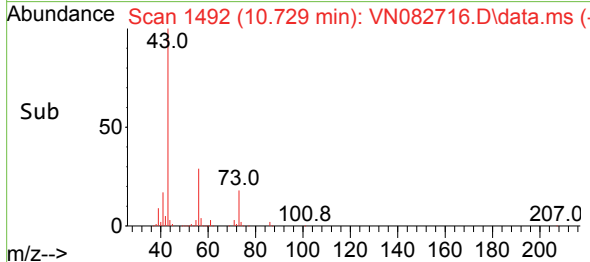
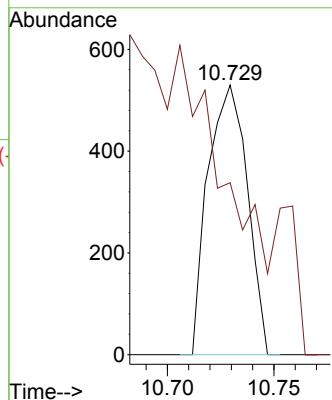


#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

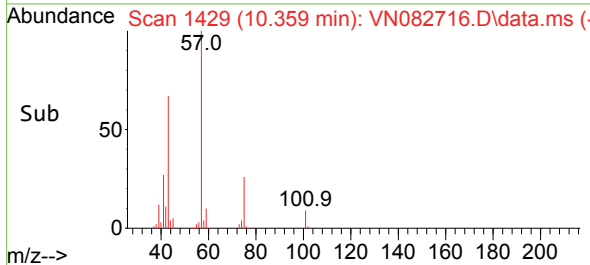
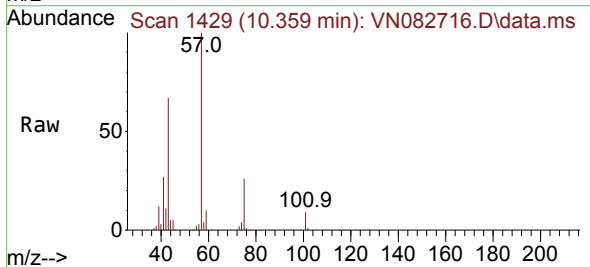
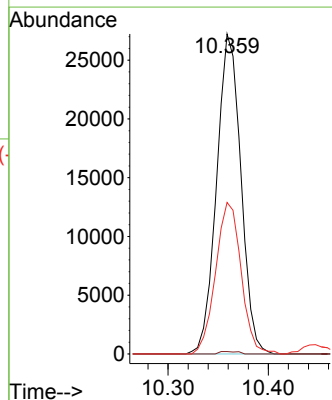


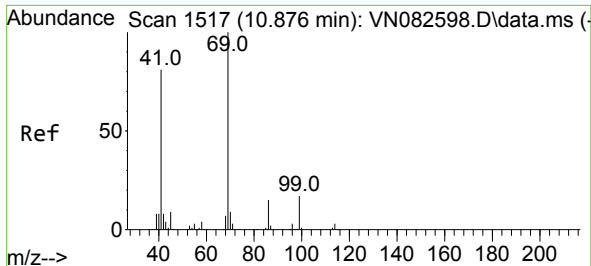
Tgt Ion: 75 Resp: 682
Ion Ratio Lower Upper
75 100
77 9.4 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 13.720 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

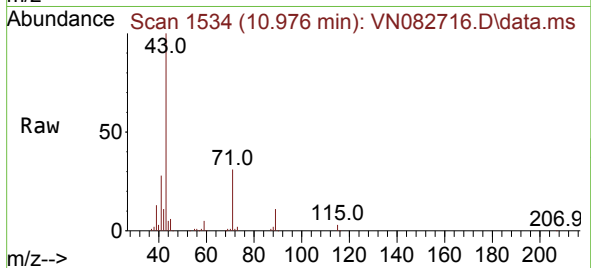
Tgt Ion: 75 Resp: 45672
Ion Ratio Lower Upper
75 100
77 0.8 24.3 36.5#
39 47.4 50.5 75.7#



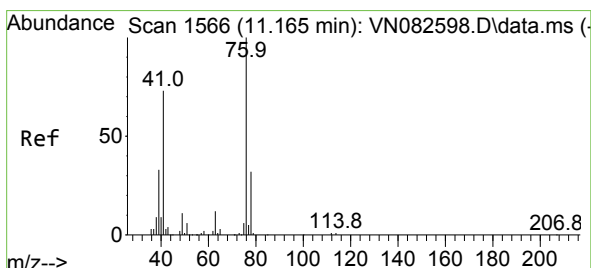
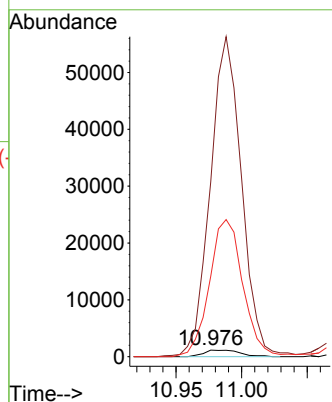
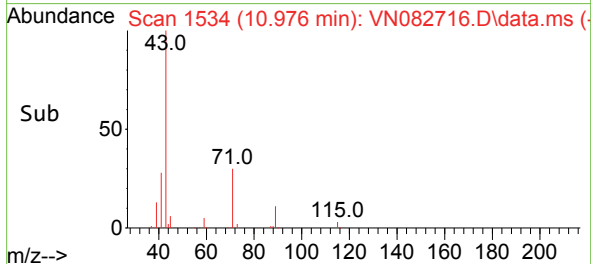


#56
Ethyl methacrylate
Concen: 0.726 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.100 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

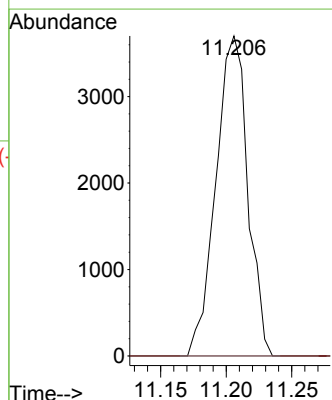
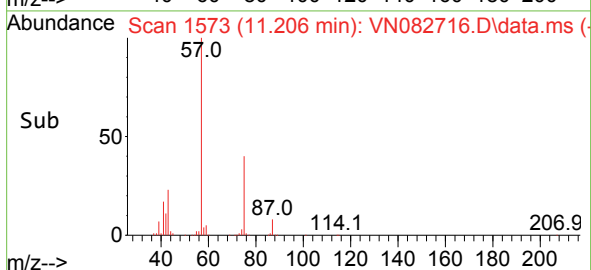
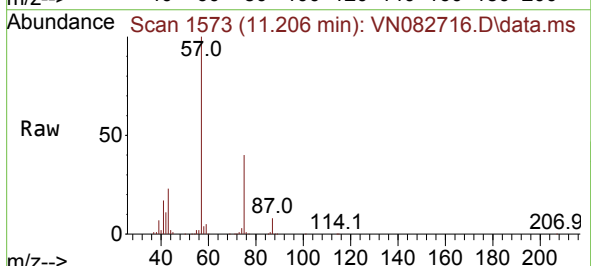


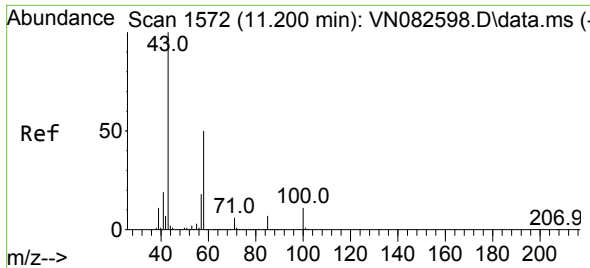
Tgt Ion: 69 Resp: 2233
Ion Ratio Lower Upper
69 100
41 4182.2 63.4 95.2#
39 1920.0 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.825 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Tgt Ion: 76 Resp: 6264
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

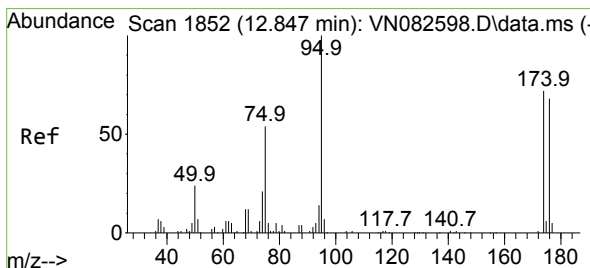
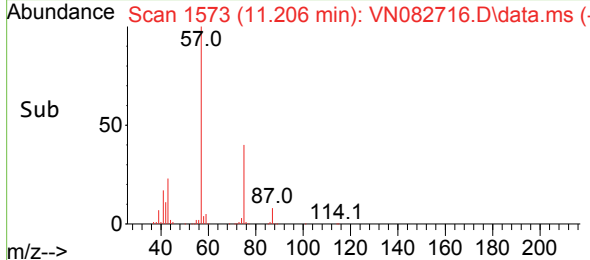
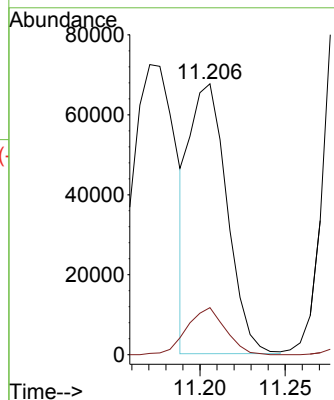
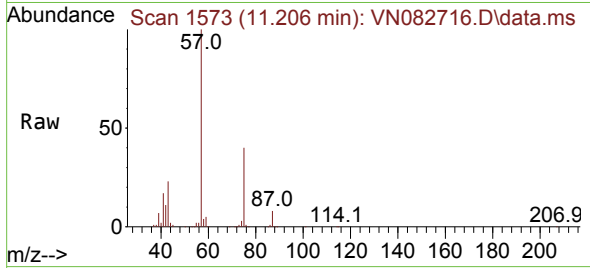




#59
2-Hexanone
Concen: 40.672 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

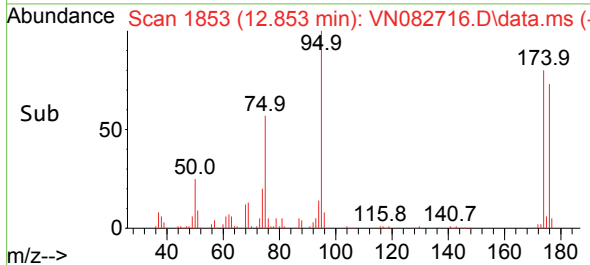
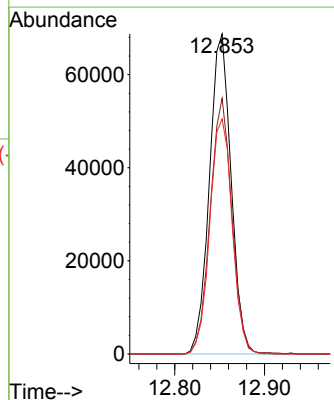
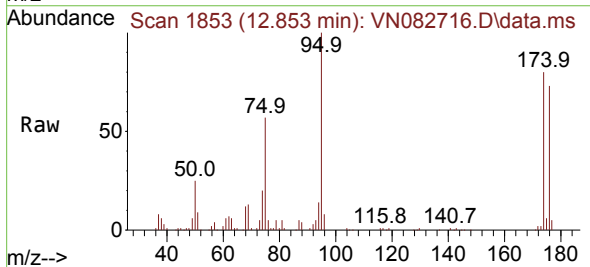
Instrument :
MSVOA_N
ClientSampleId :

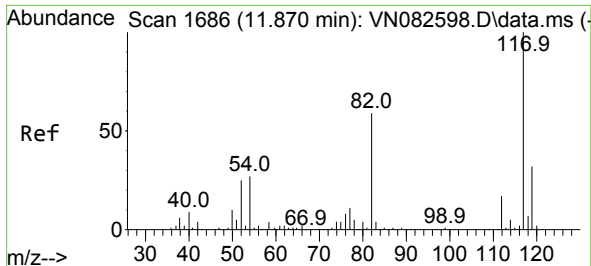
Tgt Ion: 43 Resp: 103407
Ion Ratio Lower Upper
43 100
58 17.9 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.215 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

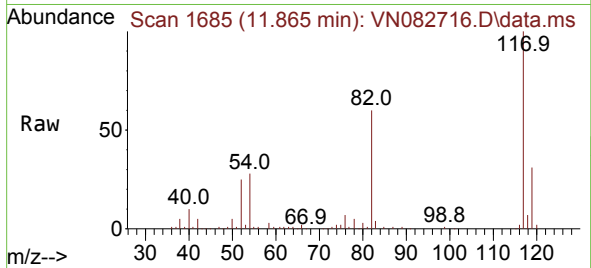
Tgt Ion: 95 Resp: 115203
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.2
176 75.7 0.0 147.6



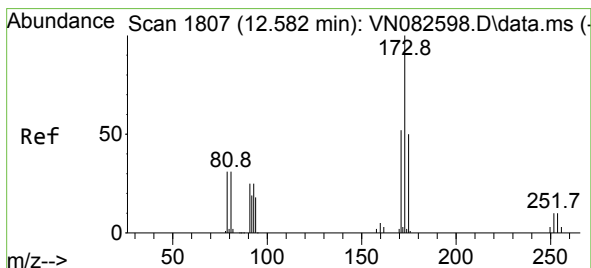
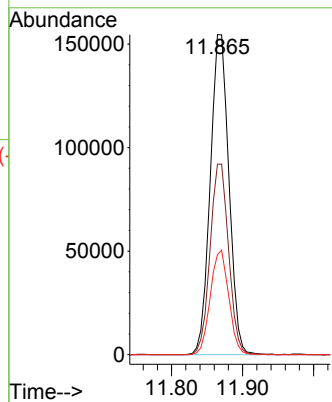
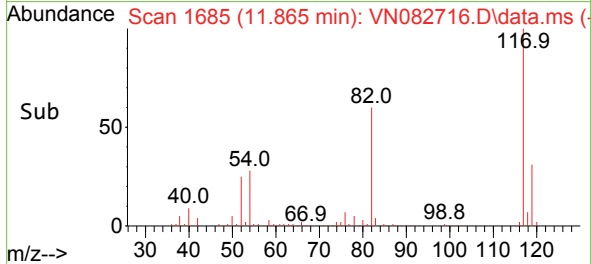


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

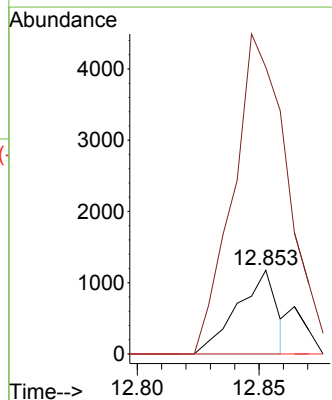
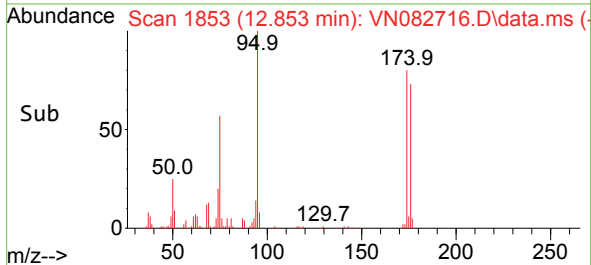
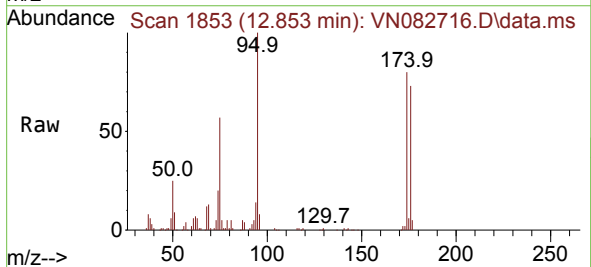


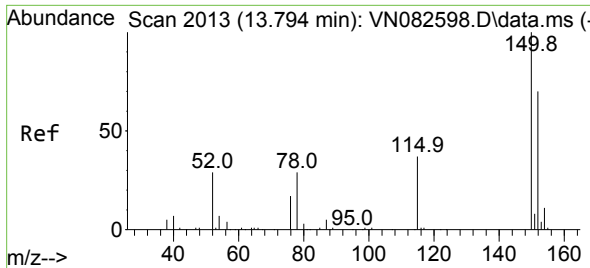
Tgt Ion:117 Resp: 281756
Ion Ratio Lower Upper
117 100
82 59.6 47.5 71.3
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.720 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Tgt Ion:173 Resp: 1311
Ion Ratio Lower Upper
173 100
175 449.8 24.0 72.0#
254 0.0 0.0 0.0

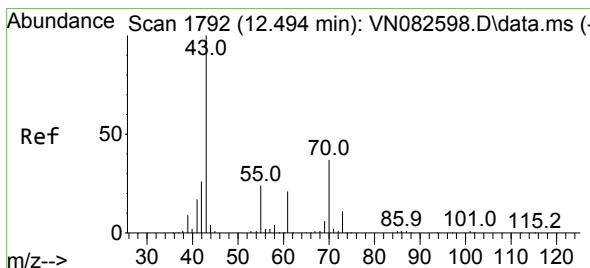
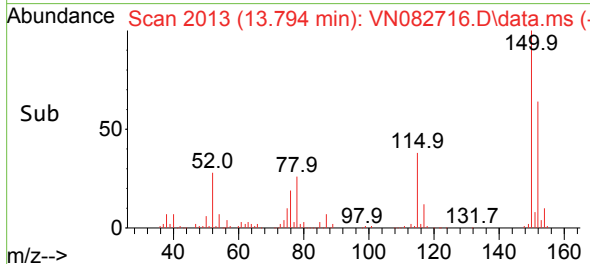
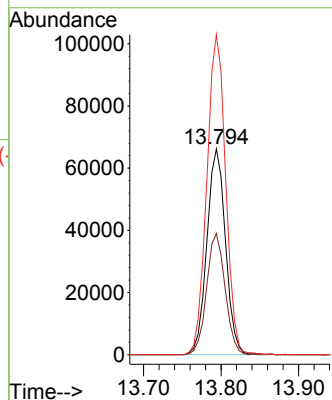
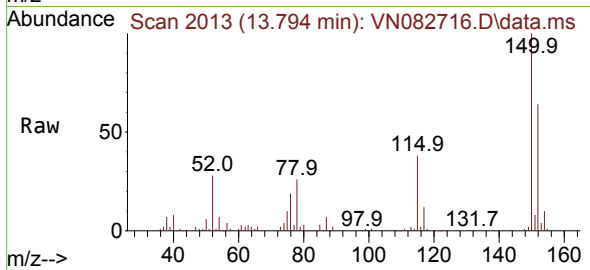




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

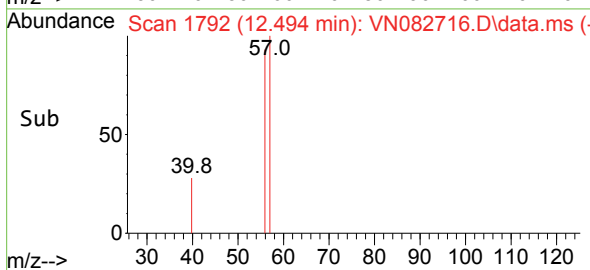
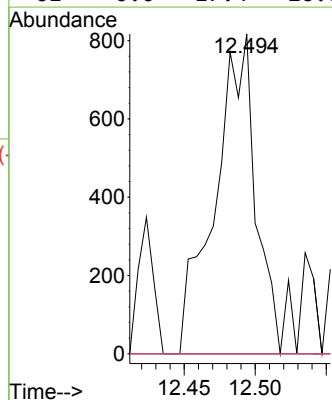
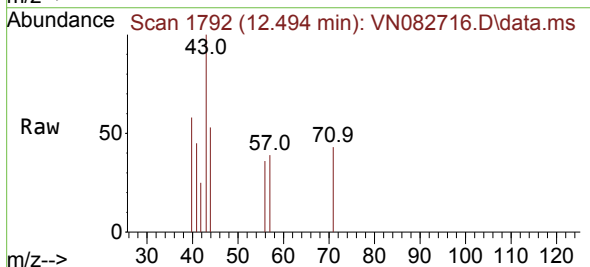
Instrument :
MSVOA_N
ClientSampleId :

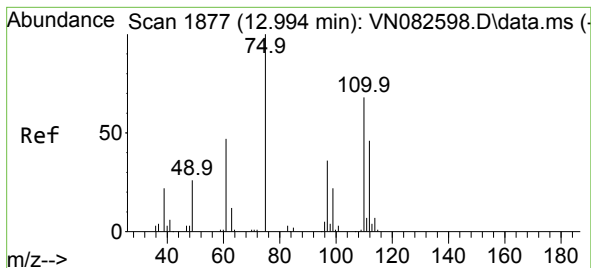
Tgt Ion:152 Resp: 110365
Ion Ratio Lower Upper
152 100
115 58.5 30.6 91.6
150 157.3 0.0 348.6



#74
N-ethyl acetate
Concen: 0.363 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN082716.D
Acq: 25 Jun 2024 14:33

Tgt Ion: 43 Resp: 1624
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 24.977 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

Instrument :

MSVOA_N

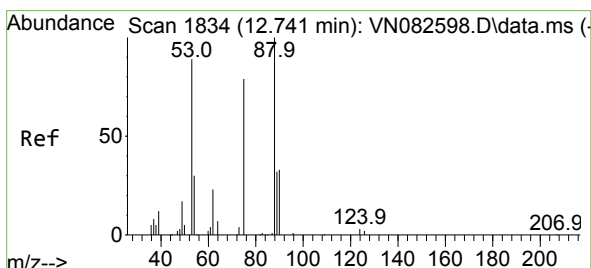
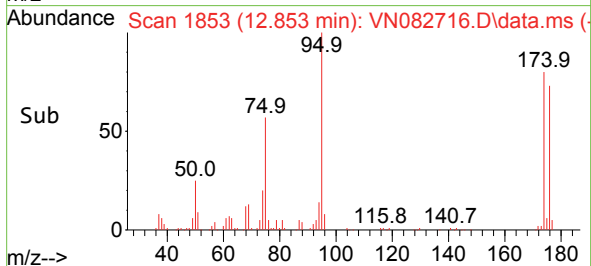
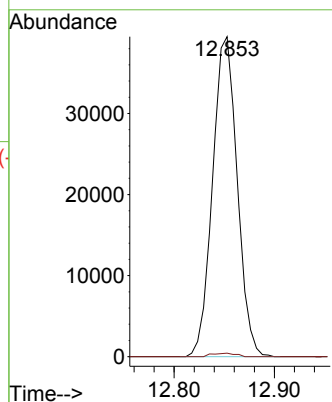
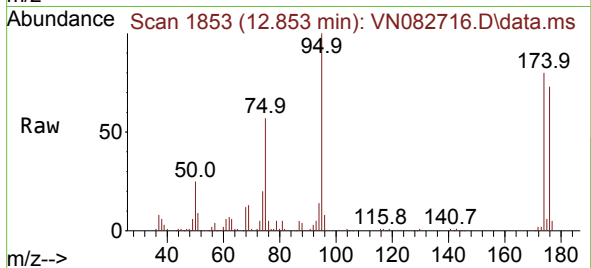
ClientSampleId :

Tgt Ion: 75 Resp: 67421

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.755 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082716.D

Acq: 25 Jun 2024 14:33

Tgt Ion: 75 Resp: 67421

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

