

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082293.D
 Acq On : 22 May 2024 15:25
 Operator : JC\MD
 Sample : PB161037ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 02:07:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

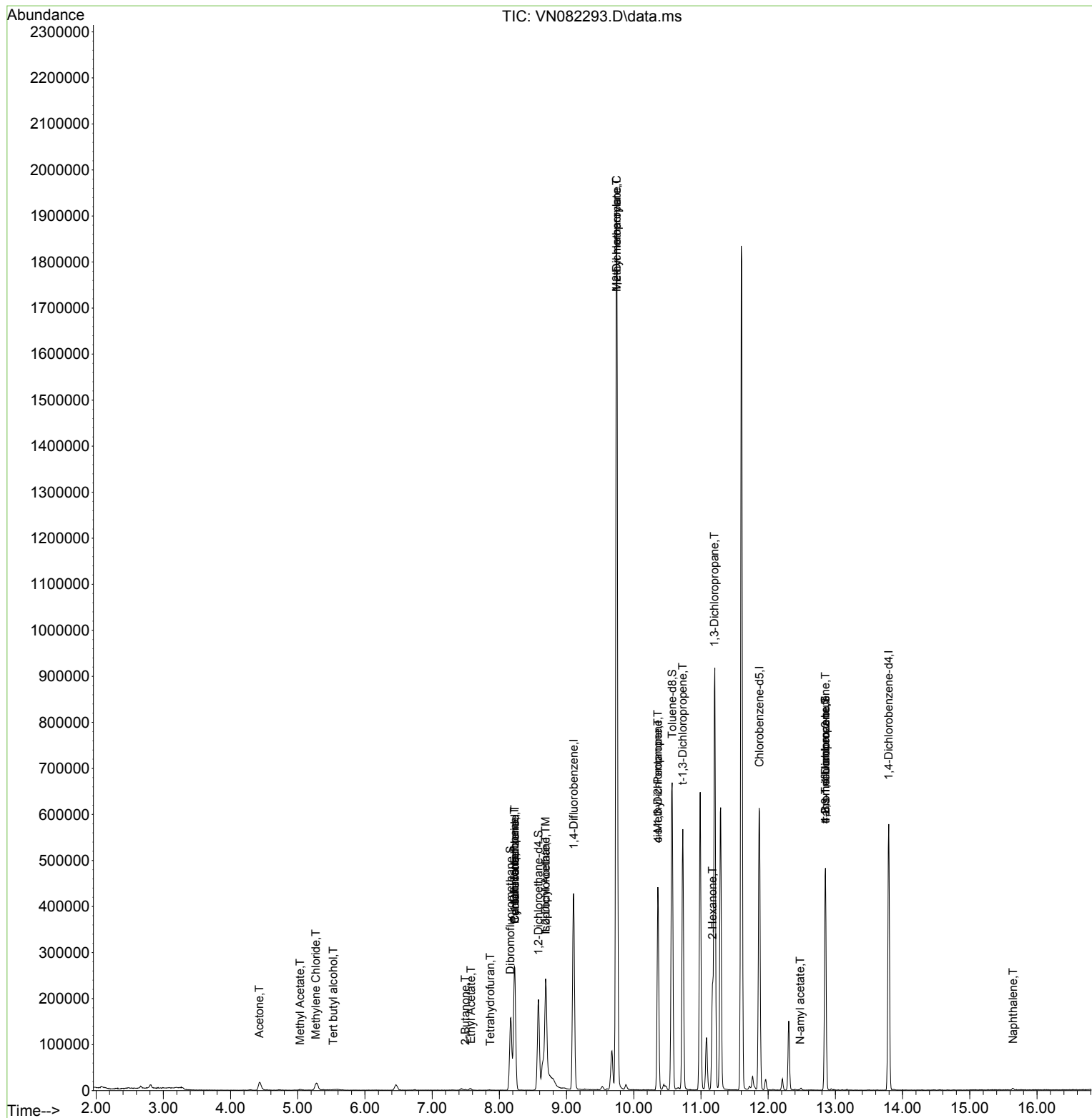
Internal Standards						
1) Pentafluorobenzene	8.229	168	187510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	328308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	159587	53.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.800%			
35) Dibromofluoromethane	8.165	113	109973	52.345	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	10.571	98	439724	54.591	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.180%			
62) 4-Bromofluorobenzene	12.853	95	155898	54.226	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.460%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	197	0.414	ug/l #	71
16) Acetone	4.430	43	35006	28.821	ug/l #	86
18) Methyl Acetate	5.036	43	3616	1.195	ug/l #	61
20) Methylene Chloride	5.271	84	11153	4.551	ug/l #	84
25) 2-Butanone	7.494	43	2475	1.344	ug/l	96
29) Tetrahydrofuran	7.865	42	826	0.699	ug/l #	41
31) Cyclohexane	8.229	56	5837	1.234	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	17686	5.019	ug/l #	49
37) Ethyl Acetate	7.577	43	6034	1.530	ug/l #	71
38) Carbon Tetrachloride	8.229	117	20691	5.793	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1363	0.337	ug/l #	73
43) Isopropyl Acetate	8.688	43	408437	58.454	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	2171	0.801	ug/l #	45
48) Methyl methacrylate	9.747	41	194673	58.470	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	177672	44.754	ug/l #	42
53) t-1,3-Dichloropropene	10.729	75	1341	0.345	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	67819	16.487	ug/l #	74
57) 1,3-Dichloropropane	11.200	76	8803	2.055	ug/l #	42
59) 2-Hexanone	11.170	43	186694	64.226	ug/l #	23
74) N-amyl acetate	12.476	43	2830	0.449	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	91365	30.124	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91365	70.458	ug/l #	12
95) Naphthalene	15.647	128	3937	0.479	ug/l #	94

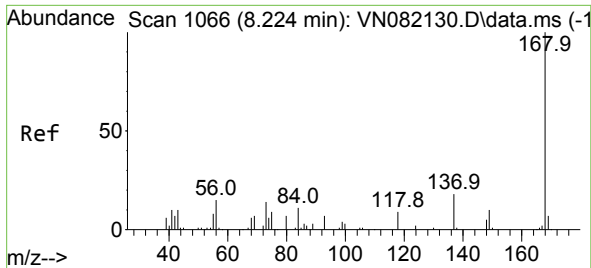
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
Data File : VN082293.D
Acq On : 22 May 2024 15:25
Operator : JC\MD
Sample : PB161037ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

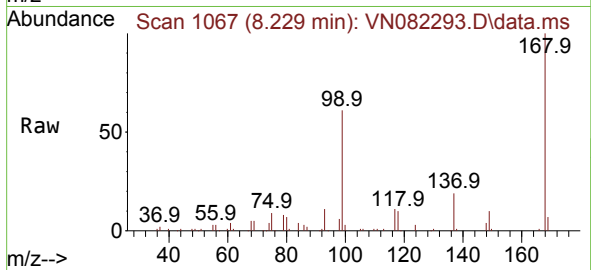
Quant Time: May 23 02:07:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



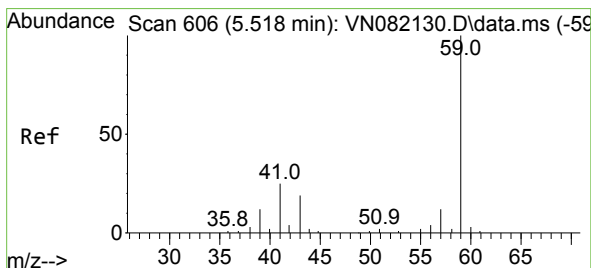
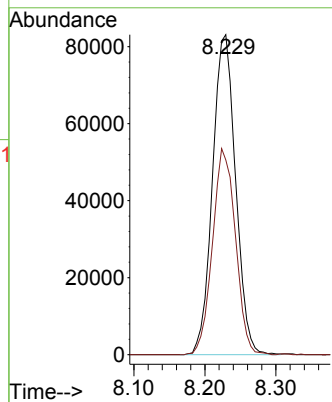
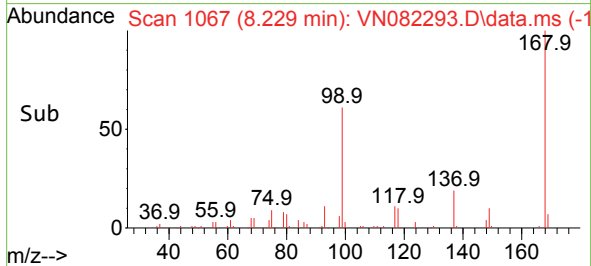


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :

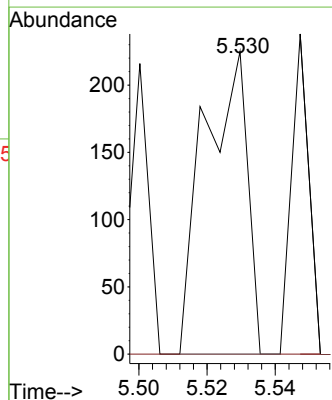
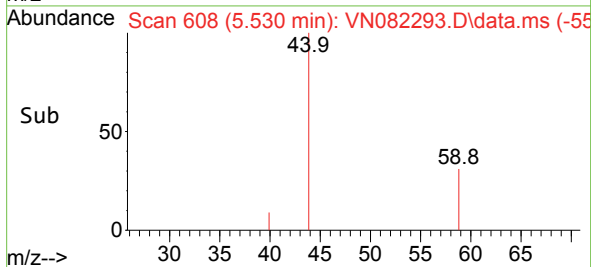
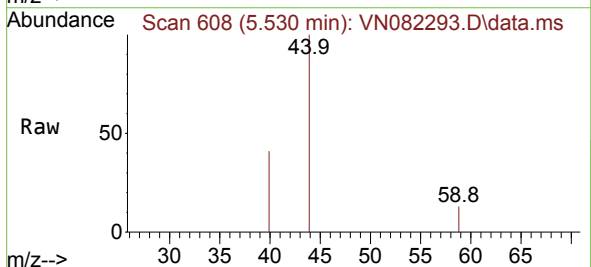


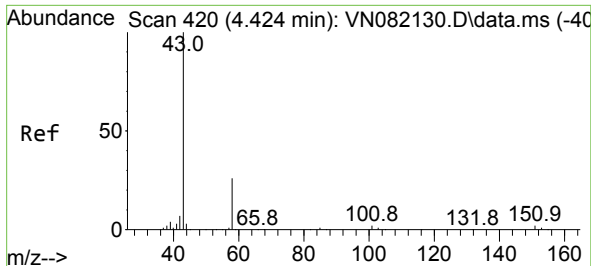
Tgt Ion:168 Resp: 187510
Ion Ratio Lower Upper
168 100
99 60.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.414 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

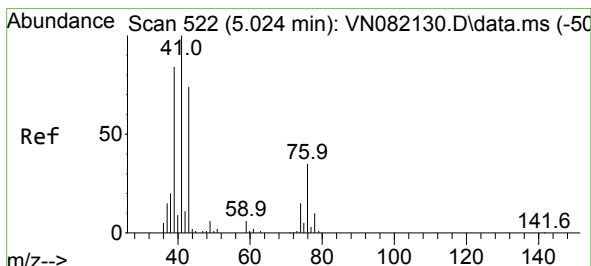
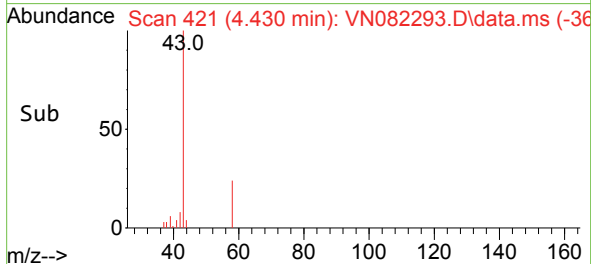
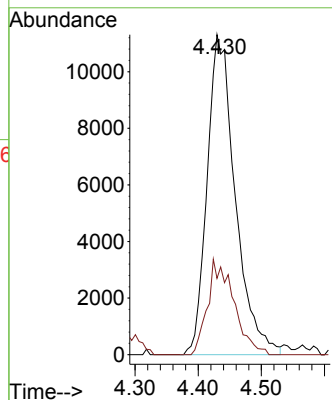
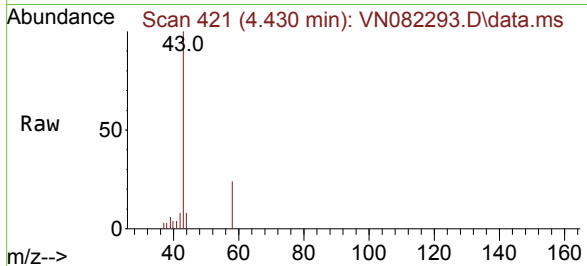




#16
Acetone
Concen: 28.821 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

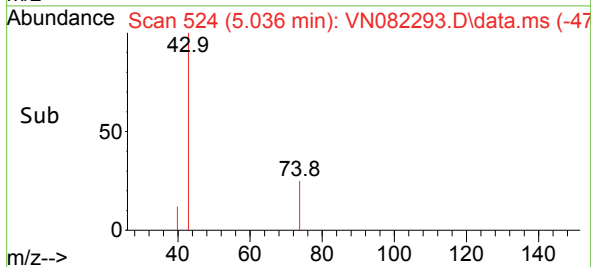
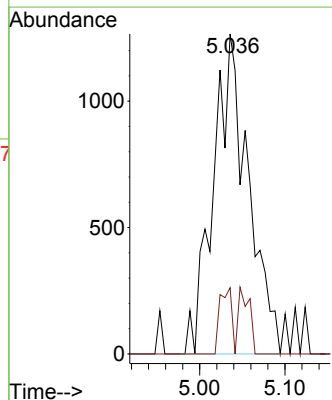
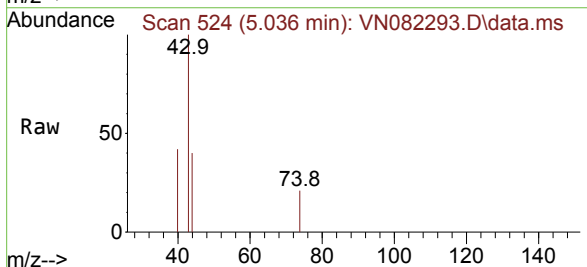
Instrument :
MSVOA_N
ClientSampleId :

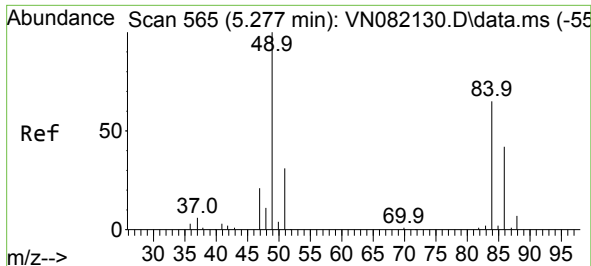
Tgt Ion: 43 Resp: 35006
Ion Ratio Lower Upper
43 100
58 23.8 25.2 37.8#



#18
Methyl Acetate
Concen: 1.195 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

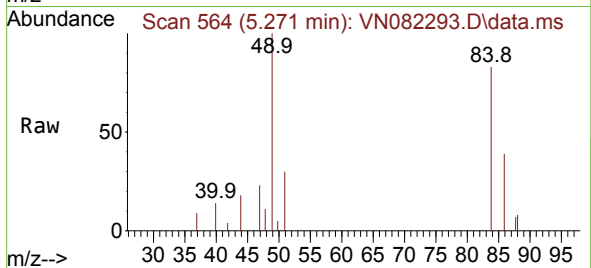
Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
74 7.0 22.2 33.2#





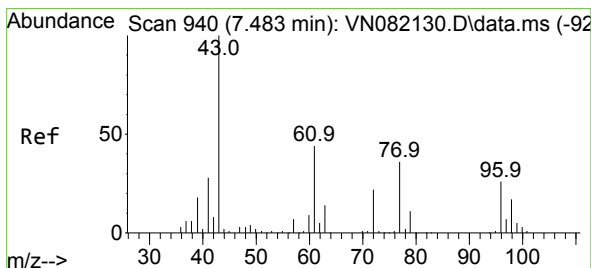
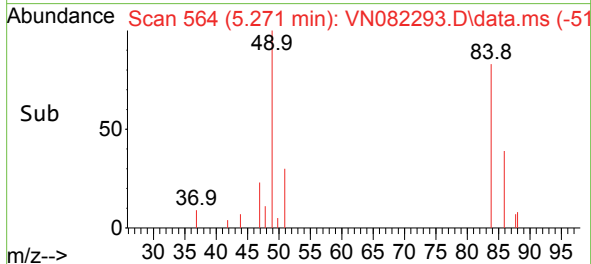
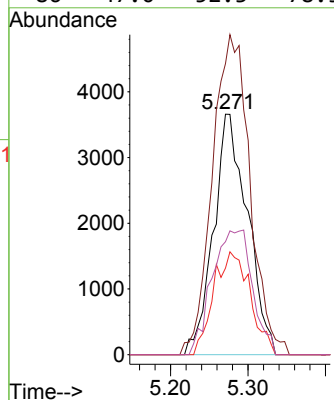
#20
Methylene Chloride
Concen: 4.551 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 11153

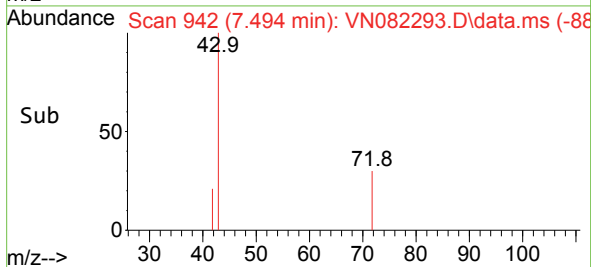
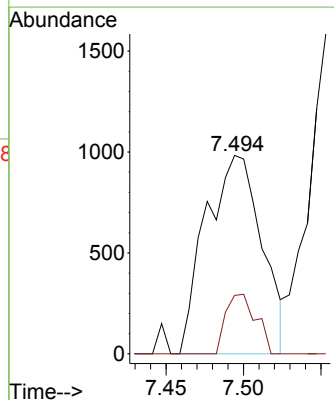
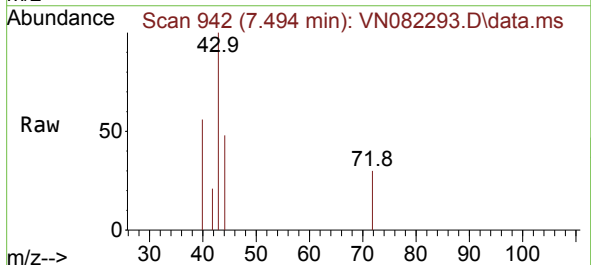
Ion	Ratio	Lower	Upper
84	100		
49	121.0	84.9	127.3
51	36.0	27.0	40.6
86	47.0	52.3	78.5#

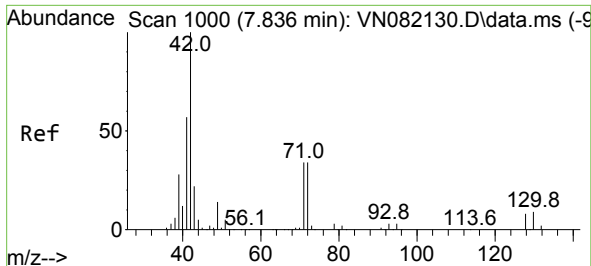


#25
2-Butanone
Concen: 1.344 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

Tgt Ion: 43 Resp: 2475

Ion	Ratio	Lower	Upper
43	100		
72	29.5	25.3	37.9





#29

Tetrahydrofuran

Concen: 0.699 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.029 min

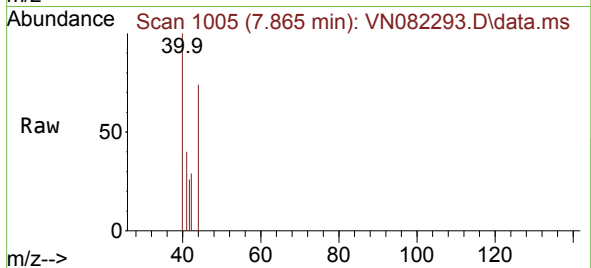
Lab File: VN082293.D

Acq: 22 May 2024 15:25

Instrument :

MSVOA_N

ClientSampleId :



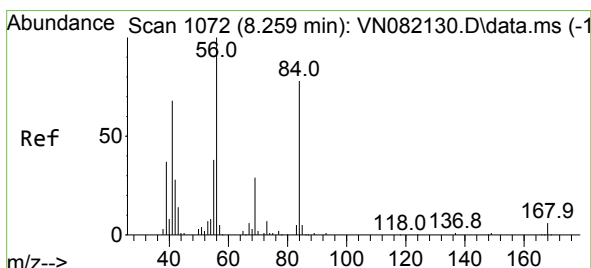
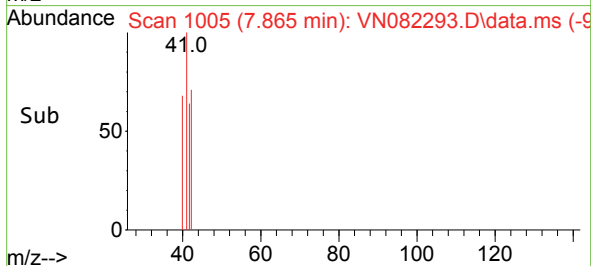
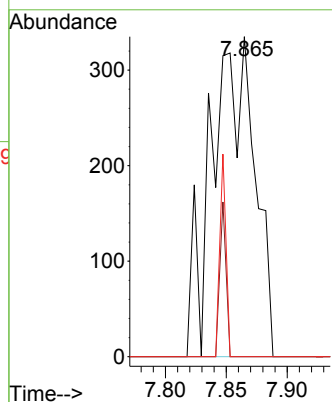
Tgt Ion: 42 Resp: 826

Ion Ratio Lower Upper

42 100

72 6.9 39.3 58.9#

71 9.1 37.4 56.0#



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.030 min

Lab File: VN082293.D

Acq: 22 May 2024 15:25

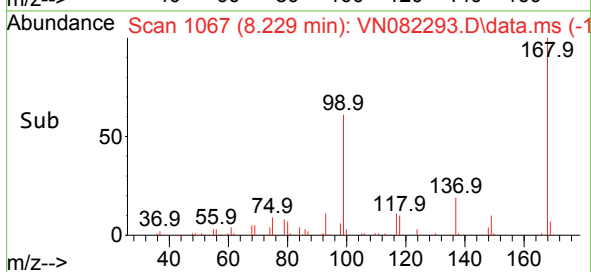
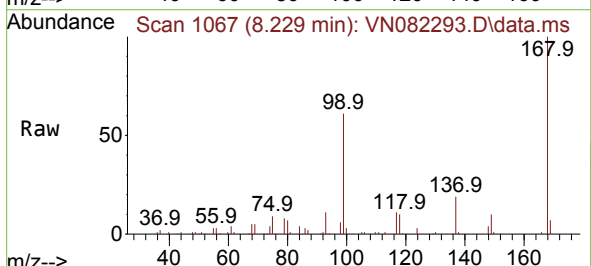
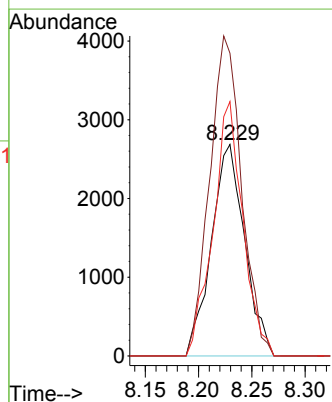
Tgt Ion: 56 Resp: 5837

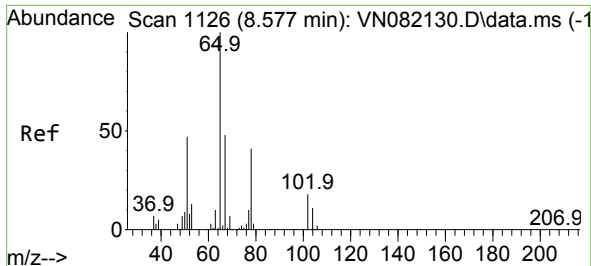
Ion Ratio Lower Upper

56 100

69 143.1 24.4 36.6#

84 120.3 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.899 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

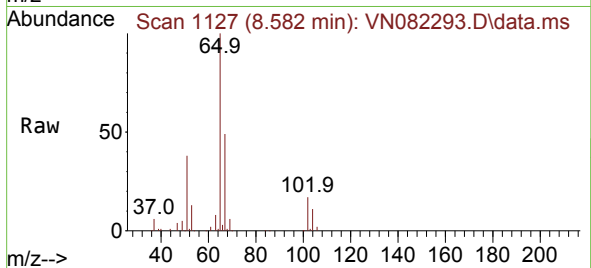
Lab File: VN082293.D

Acq: 22 May 2024 15:25

Instrument :

MSVOA_N

ClientSampleId :

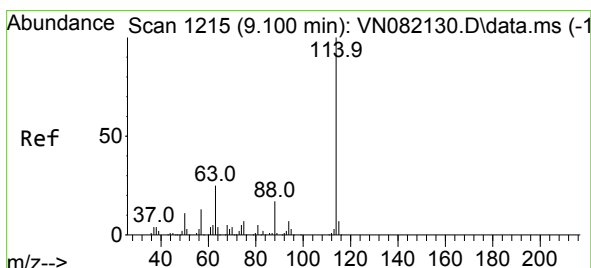
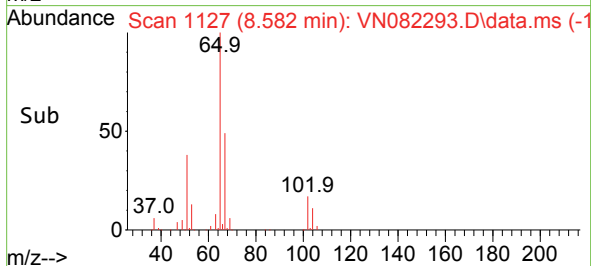
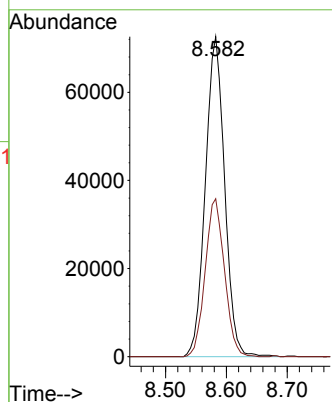


Tgt Ion: 65 Resp: 159587

Ion Ratio Lower Upper

65 100

67 49.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082293.D

Acq: 22 May 2024 15:25

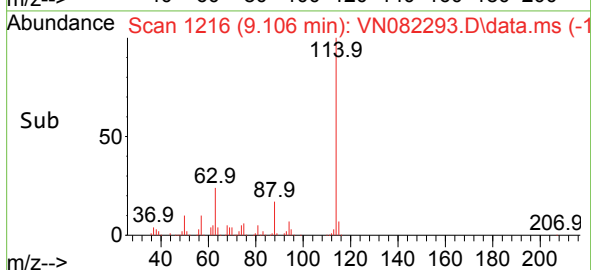
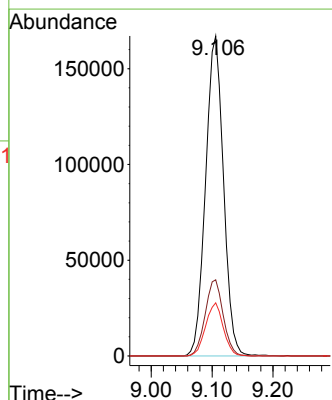
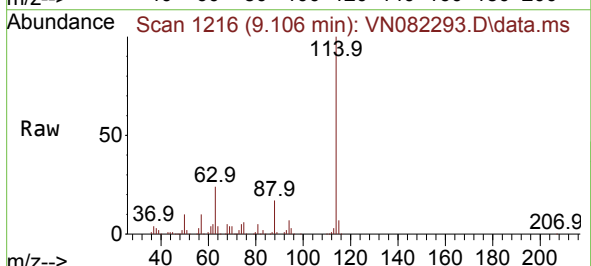
Tgt Ion: 114 Resp: 341530

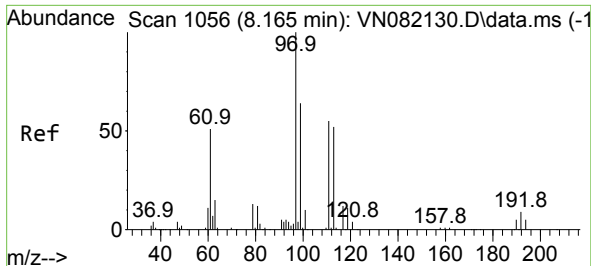
Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 16.6 0.0 31.4

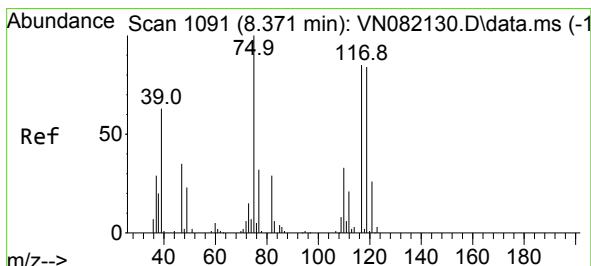
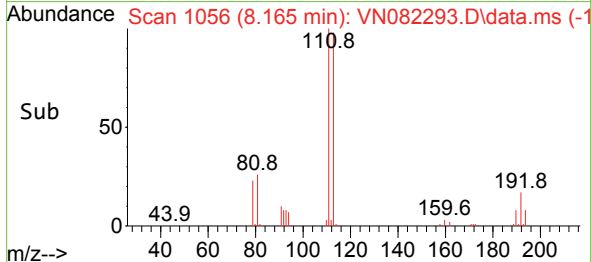
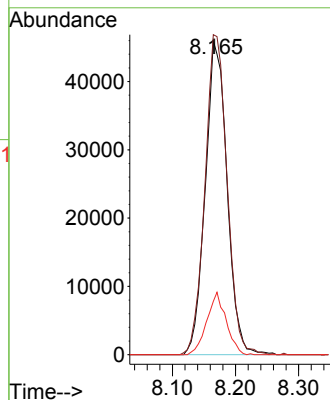
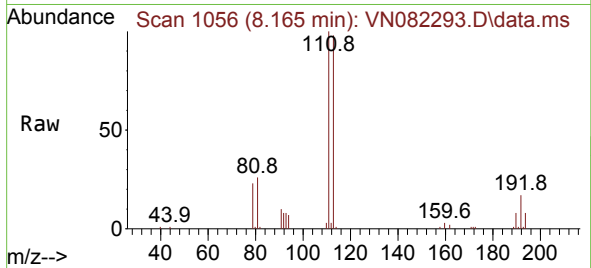




#35
Dibromofluoromethane
Concen: 52.345 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

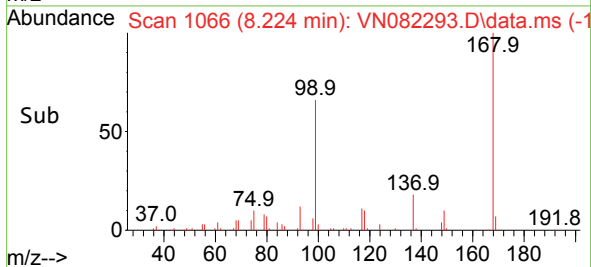
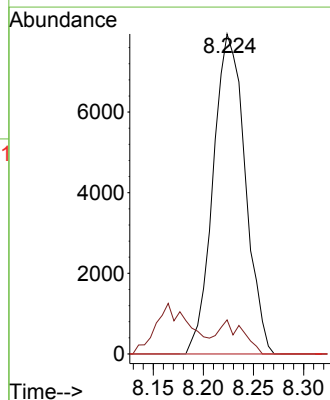
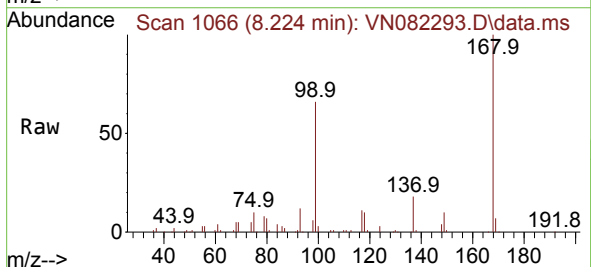
Instrument :
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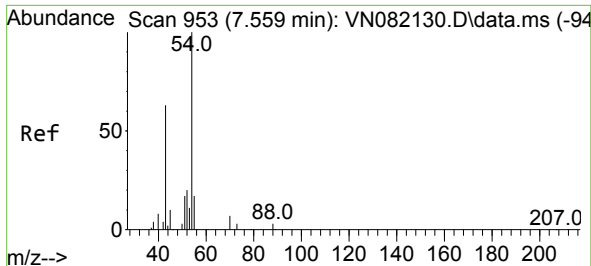
Tgt Ion:113 Resp: 109973
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.2
192 17.7 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.019 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

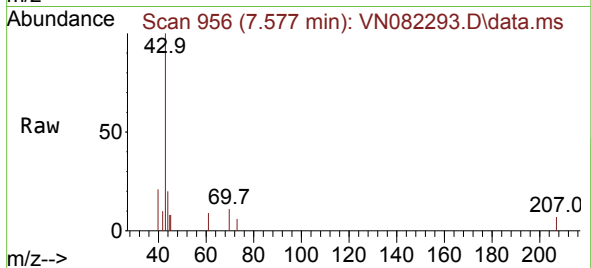
Tgt Ion: 75 Resp: 17686
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.5#
77 0.0 25.0 37.4#



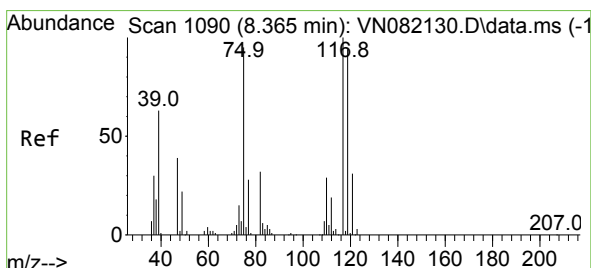
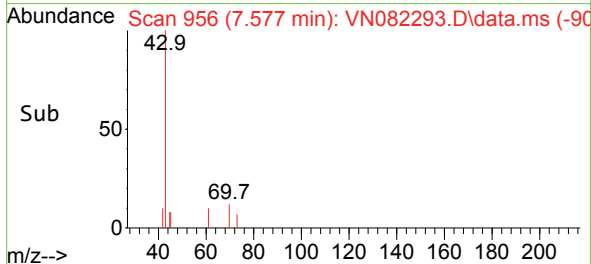
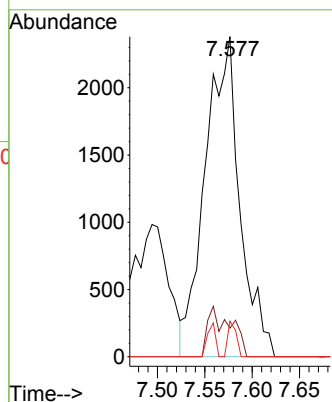


#37
Ethyl Acetate
Concen: 1.530 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :

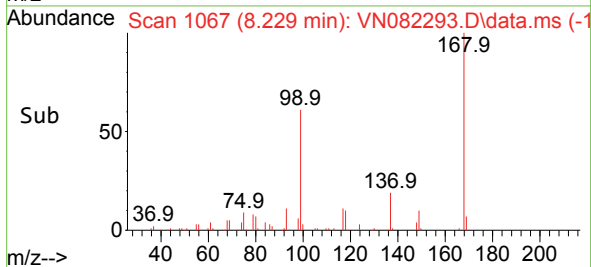
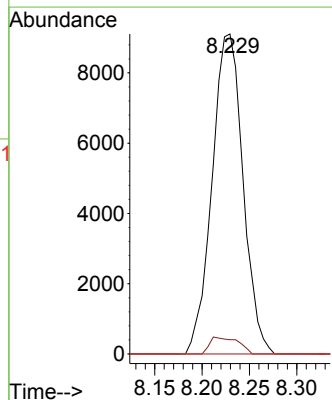
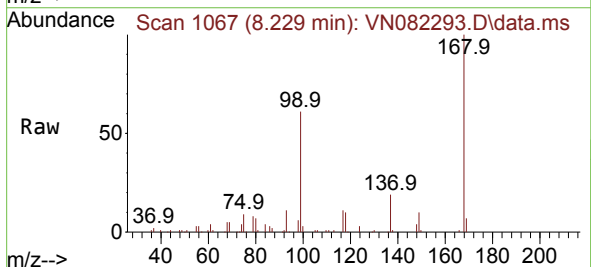


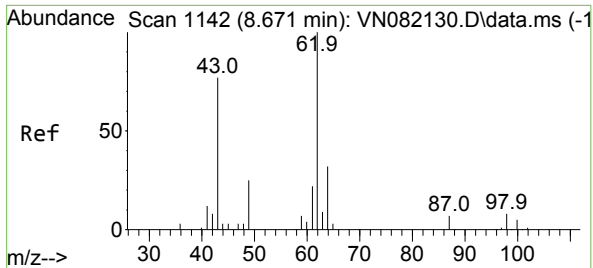
Tgt Ion: 43 Resp: 6034
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 2.7 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

Tgt Ion: 117 Resp: 20691
Ion Ratio Lower Upper
117 100
119 4.5 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.337 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082293.D

Acq: 22 May 2024 15:25

Instrument :

MSVOA_N

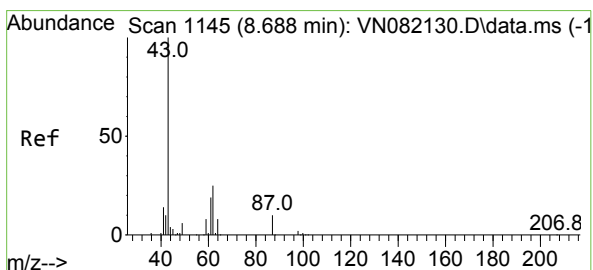
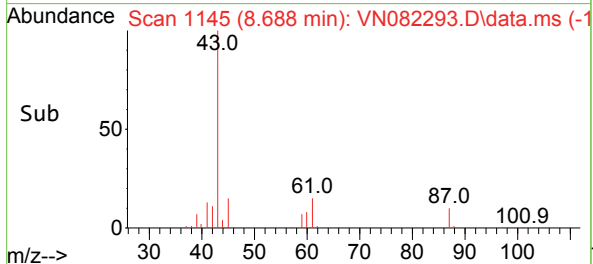
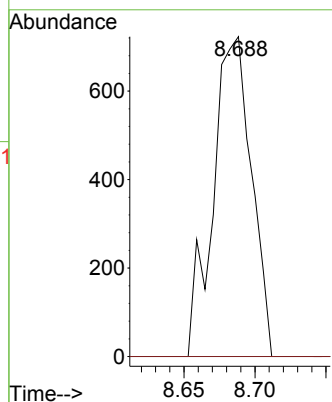
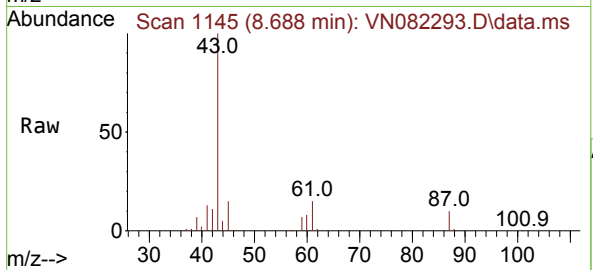
ClientSampleId :

Tgt Ion: 62 Resp: 1363

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 58.454 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082293.D

Acq: 22 May 2024 15:25

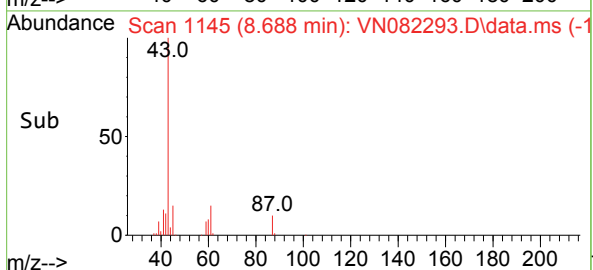
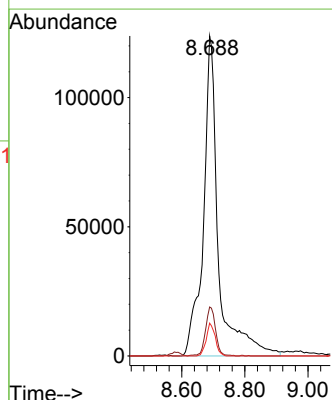
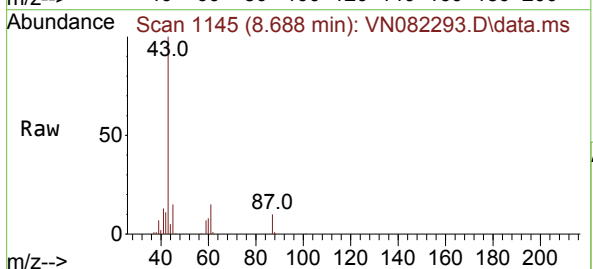
Tgt Ion: 43 Resp: 408437

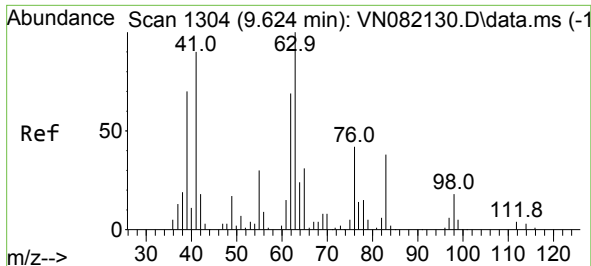
Ion Ratio Lower Upper

43 100

61 10.3 22.8 34.2#

87 6.2 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.801 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN082293.D

Acq: 22 May 2024 15:25

Instrument :

MSVOA_N

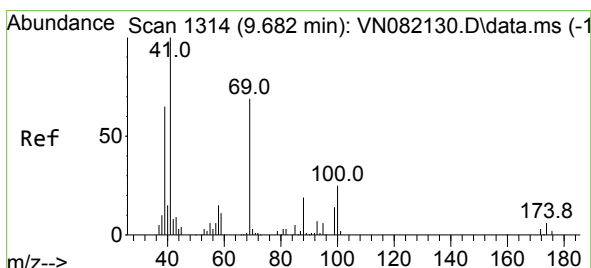
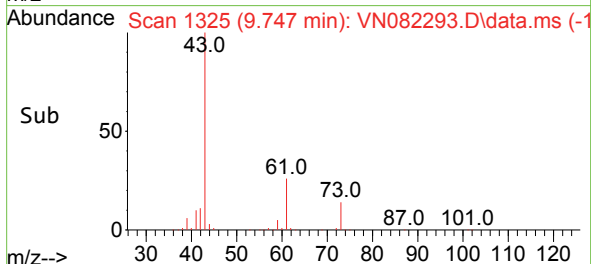
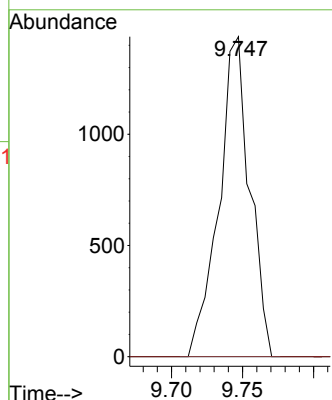
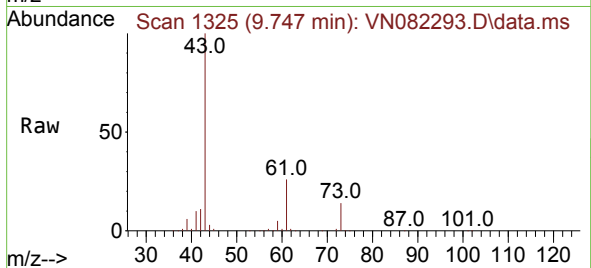
ClientSampleId :

Tgt Ion: 63 Resp: 2171

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 58.470 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082293.D

Acq: 22 May 2024 15:25

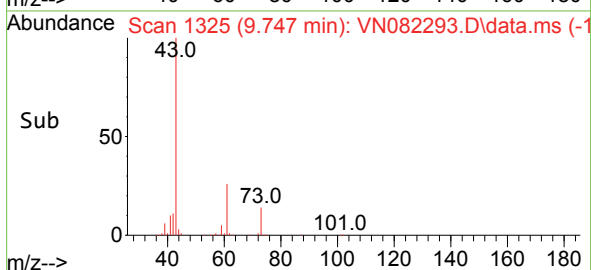
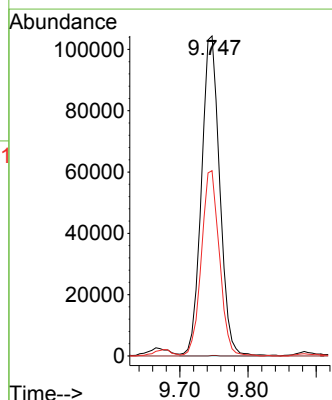
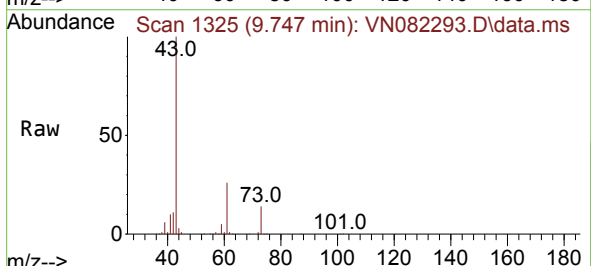
Tgt Ion: 41 Resp: 194673

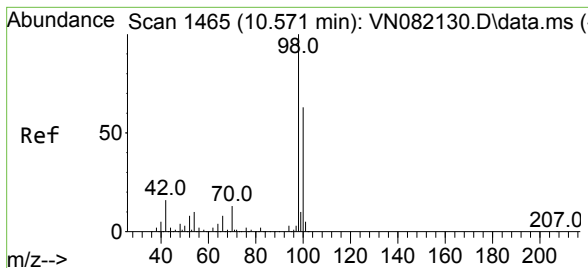
Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

39 57.1 50.9 76.3

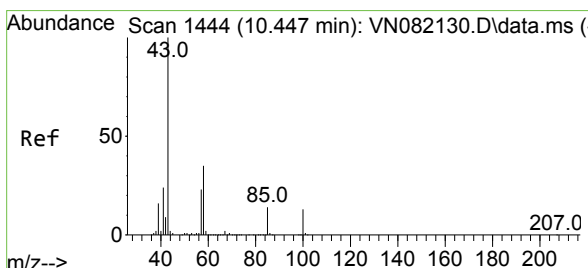
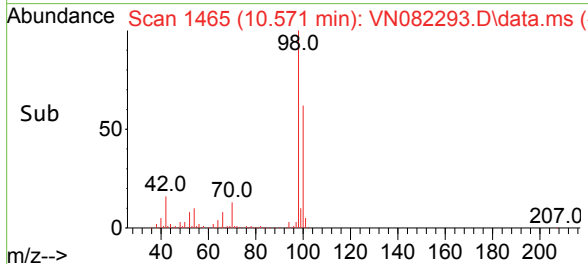
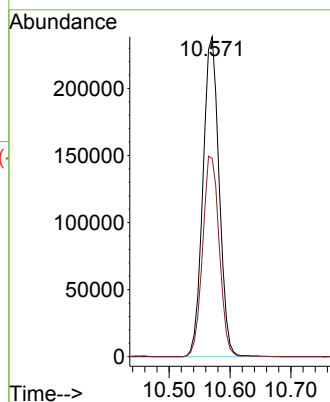
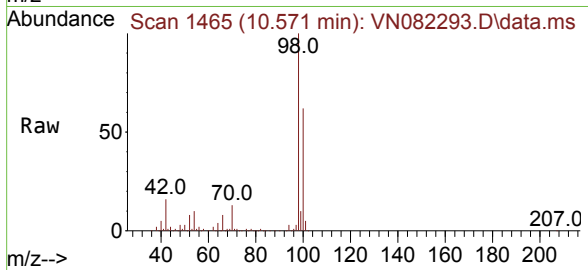




#50
Toluene-d8
Concen: 54.591 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

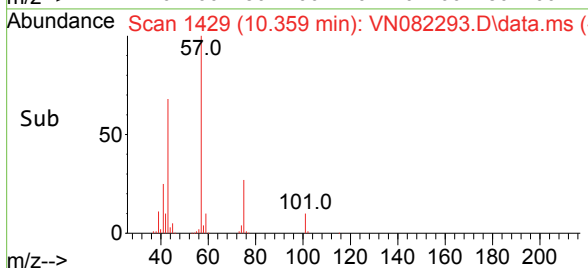
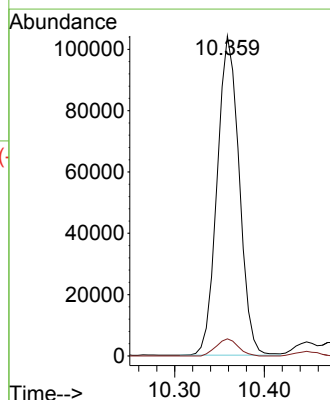
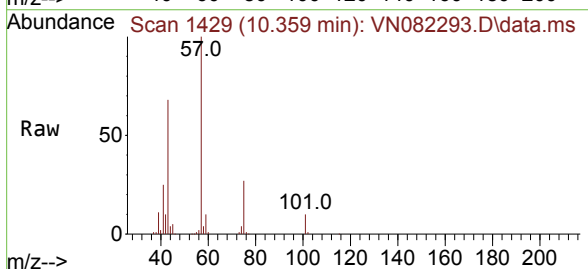
Instrument :
MSVOA_N
ClientSampleId :

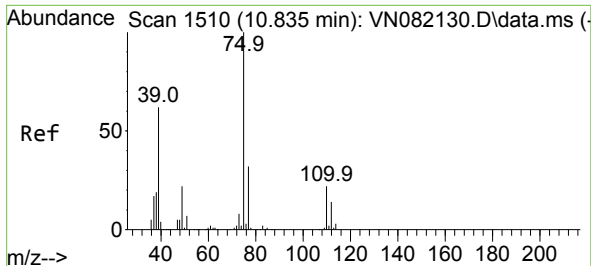
Tgt Ion: 98 Resp: 439724
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 44.754 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

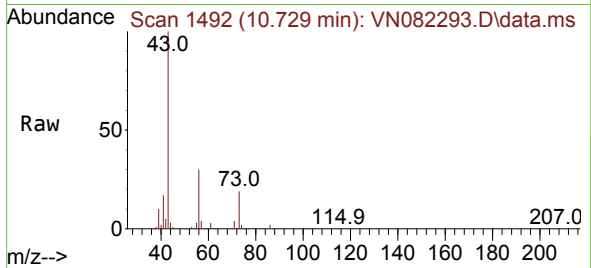
Tgt Ion: 43 Resp: 177672
Ion Ratio Lower Upper
43 100
58 5.3 33.2 49.8#



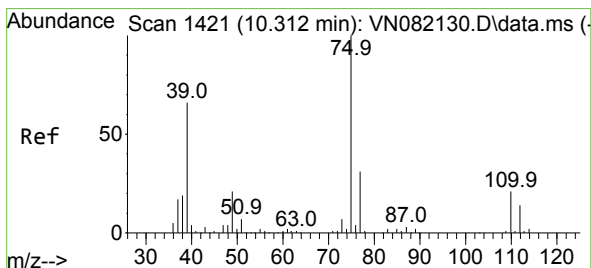
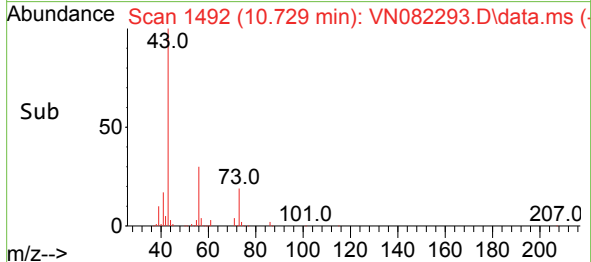
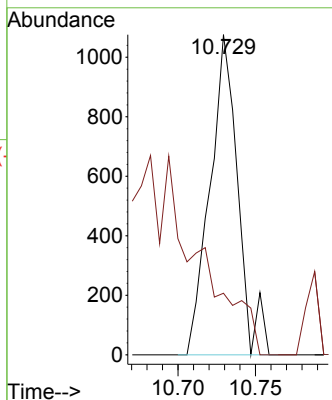


#53
 t-1,3-Dichloropropene
 Concen: 0.345 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082293.D
 Acq: 22 May 2024 15:25

Instrument :
 MSVOA_N
 ClientSampleId :

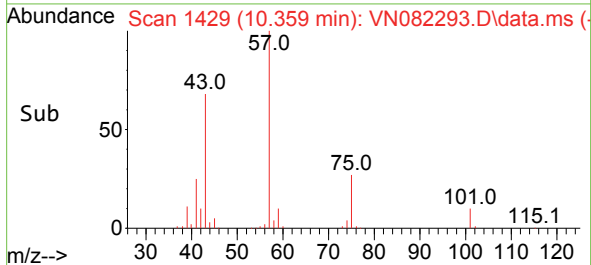
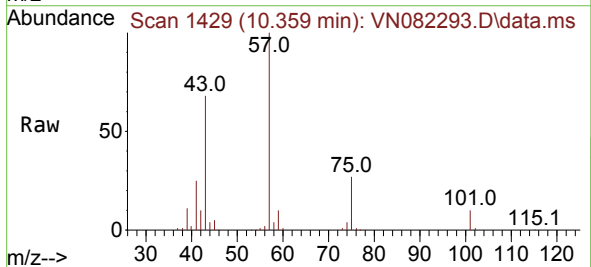
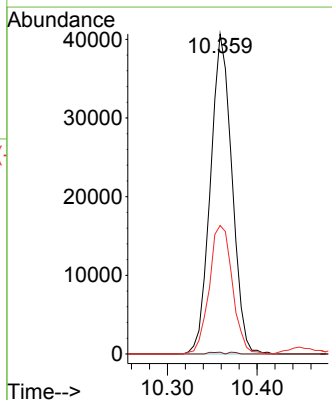


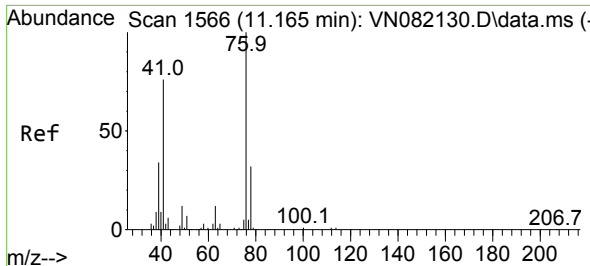
Tgt Ion: 75 Resp: 1341
 Ion Ratio Lower Upper
 75 100
 77 19.2 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 16.487 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082293.D
 Acq: 22 May 2024 15:25

Tgt Ion: 75 Resp: 67819
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 40.2 34.8 52.2





#57

1,3-Dichloropropane

Concen: 2.055 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

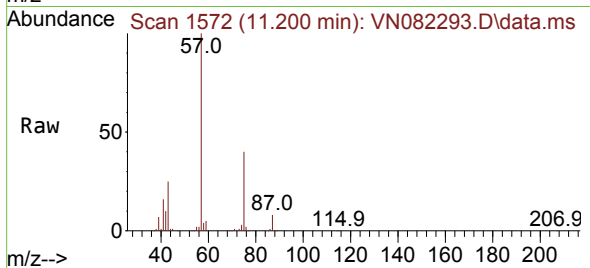
Lab File: VN082293.D

Acq: 22 May 2024 15:25

Instrument :

MSVOA_N

ClientSampleId :

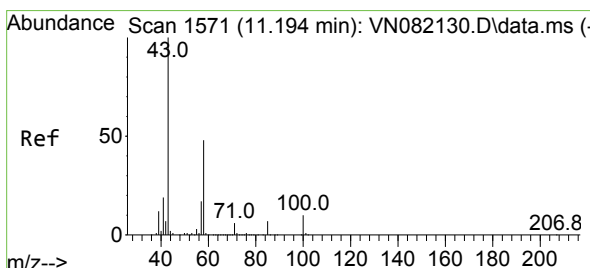
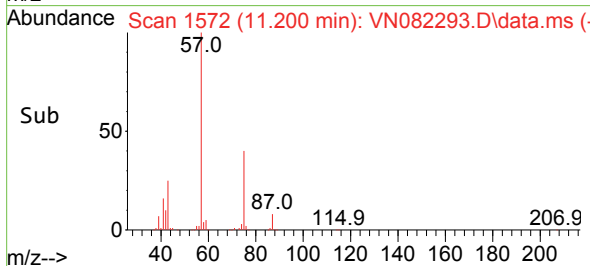
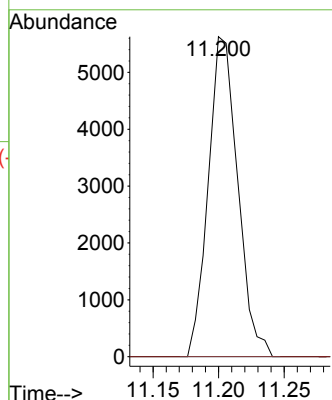


Tgt Ion: 76 Resp: 8803

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 64.226 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082293.D

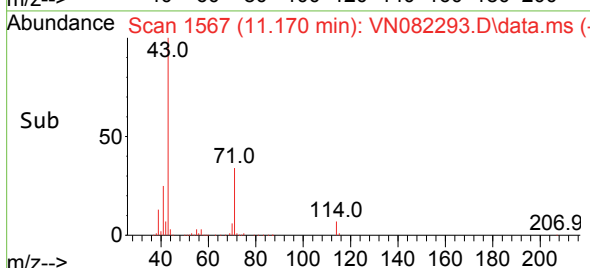
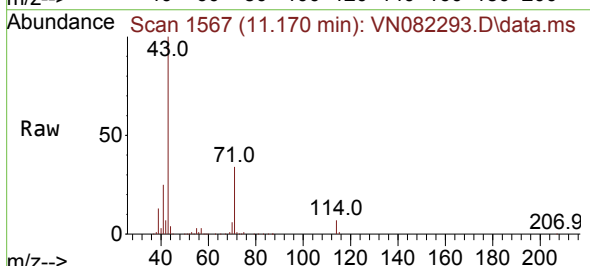
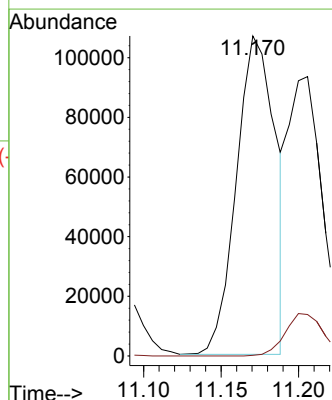
Acq: 22 May 2024 15:25

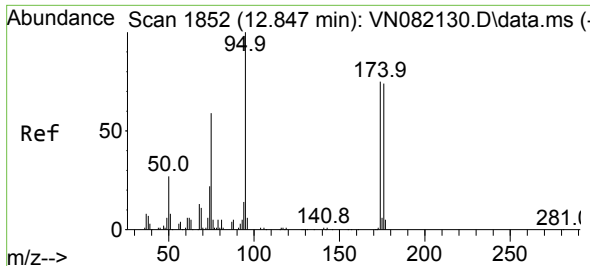
Tgt Ion: 43 Resp: 186694

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

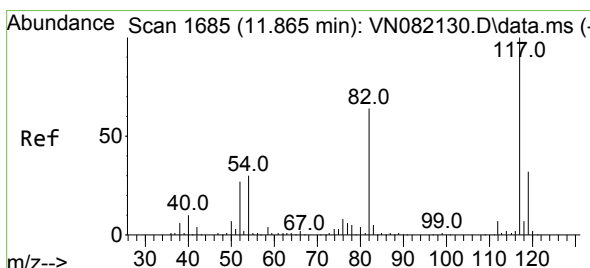
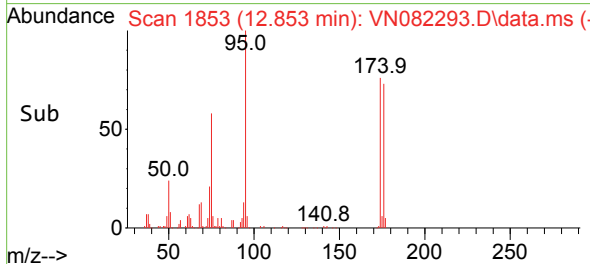
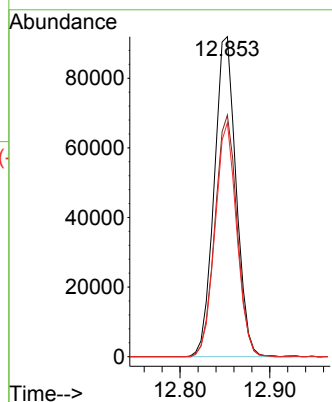
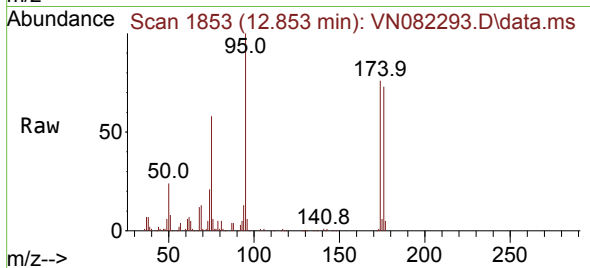




#62
4-Bromofluorobenzene
Concen: 54.226 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

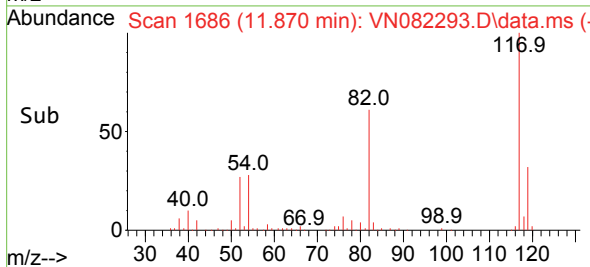
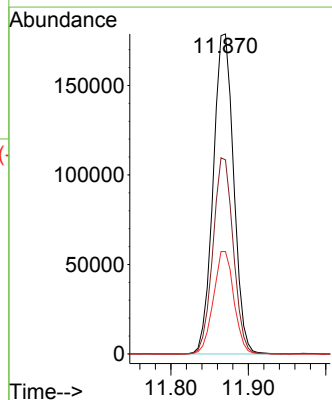
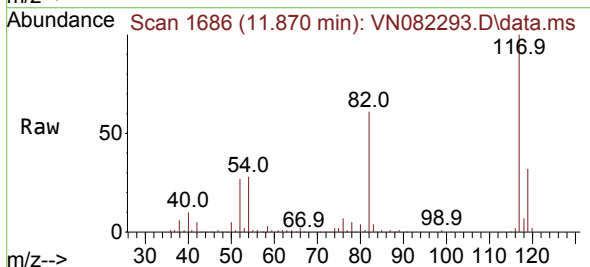
Instrument :
MSVOA_N
ClientSampleId :

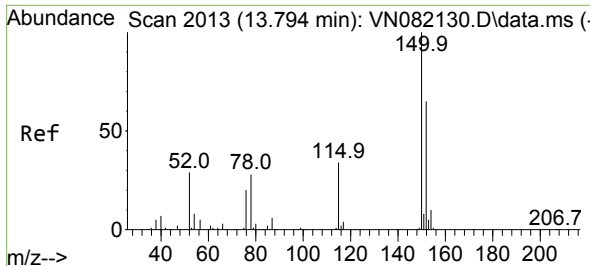
Tgt Ion: 95 Resp: 155898
Ion Ratio Lower Upper
95 100
174 76.2 0.0 160.6
176 72.2 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

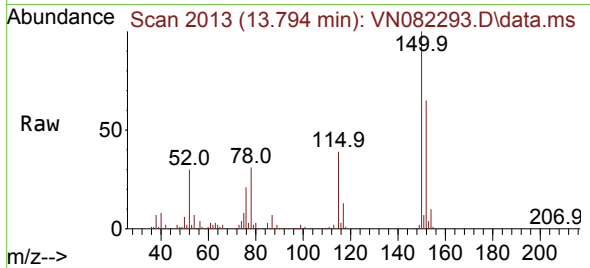
Tgt Ion: 117 Resp: 328308
Ion Ratio Lower Upper
117 100
82 60.6 44.6 66.8
119 32.0 25.9 38.9



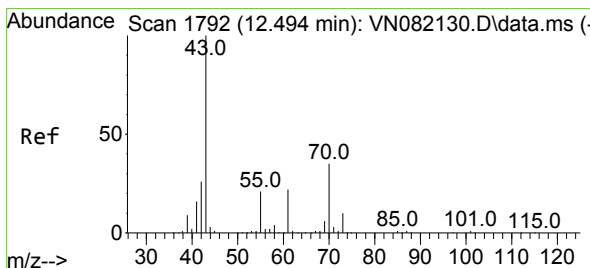
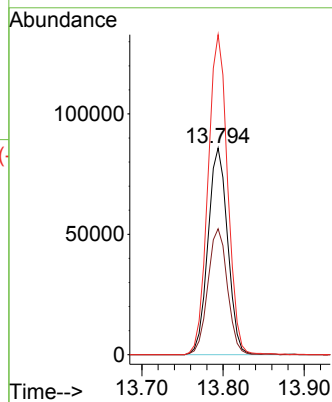
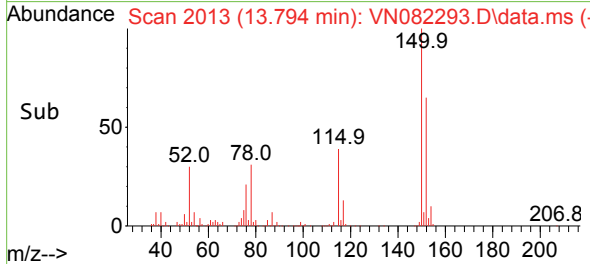


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082293.D
 Acq: 22 May 2024 15:25

Instrument :
 MSVOA_N
 ClientSampleId :

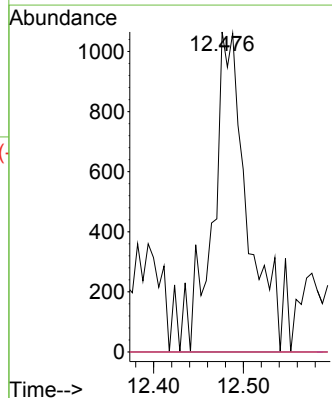
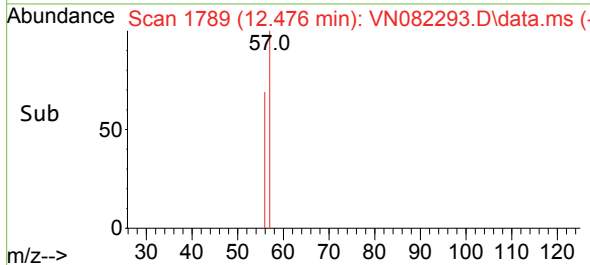
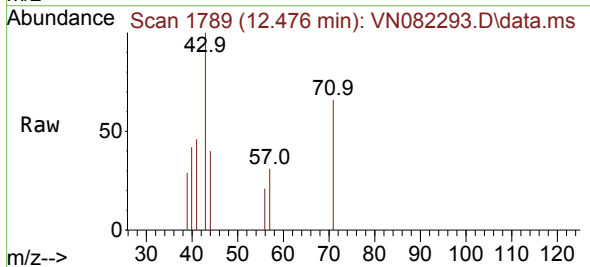


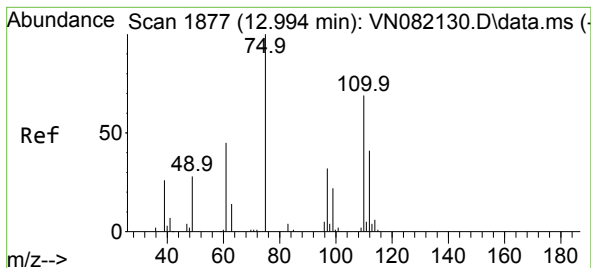
Tgt Ion:152 Resp: 144102
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.4 91.3
 150 154.5 0.0 353.2



#74
 N-ethyl acetate
 Concen: 0.449 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN082293.D
 Acq: 22 May 2024 15:25

Tgt Ion: 43 Resp: 2830
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 0.0 21.3 31.9#
 61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 30.124 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

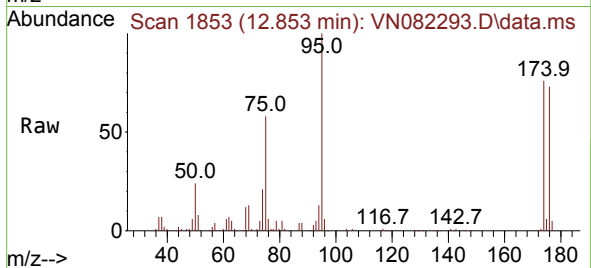
Lab File: VN082293.D

Acq: 22 May 2024 15:25

Instrument :

MSVOA_N

ClientSampleId :

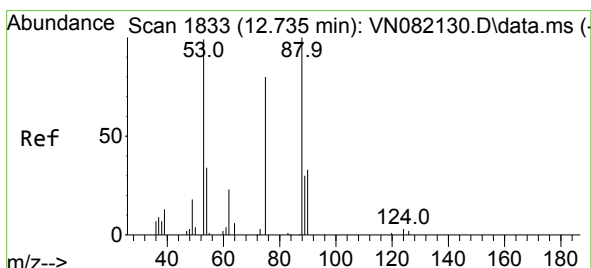
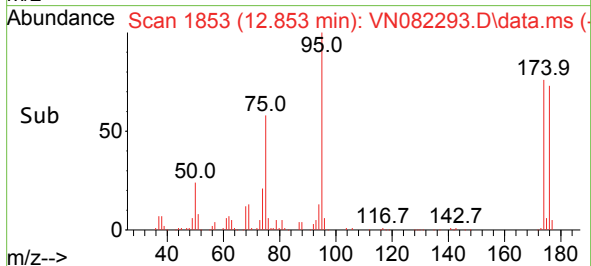
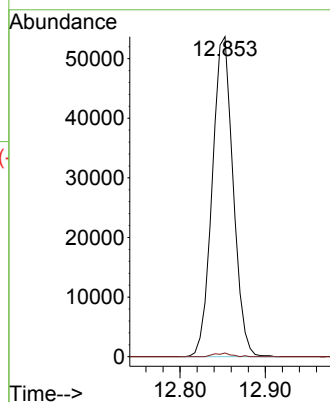


Tgt Ion: 75 Resp: 91365

Ion Ratio Lower Upper

75 100

77 0.9 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.458 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.117 min

Lab File: VN082293.D

Acq: 22 May 2024 15:25

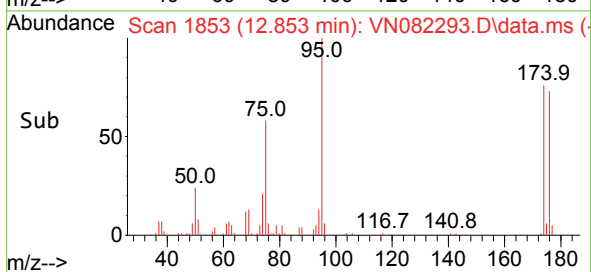
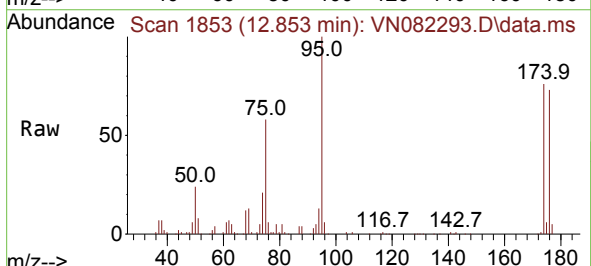
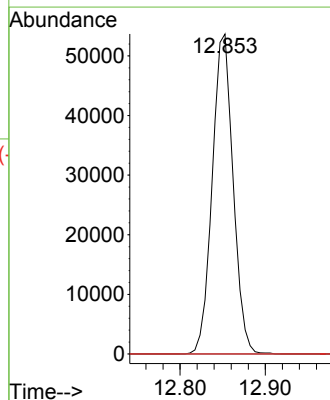
Tgt Ion: 75 Resp: 91365

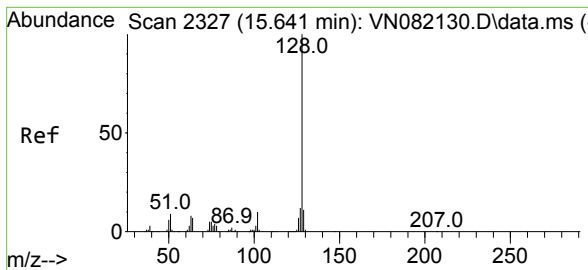
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

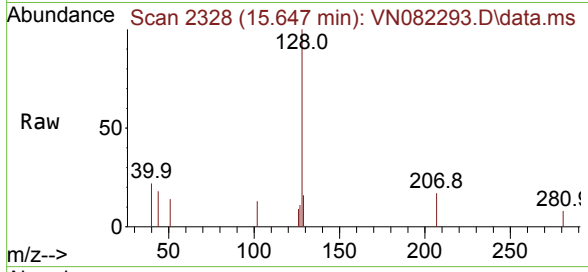
89 0.0 39.1 58.7#





#95
Naphthalene
Concen: 0.479 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN082293.D
Acq: 22 May 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3937
Ion Ratio Lower Upper
128 100
127 11.4 10.1 15.1
129 7.8 8.9 13.3#

