

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082217.D
 Acq On : 20 May 2024 18:11
 Operator : JC\MD
 Sample : P2513-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-16

Quant Time: May 21 03:51:48 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)

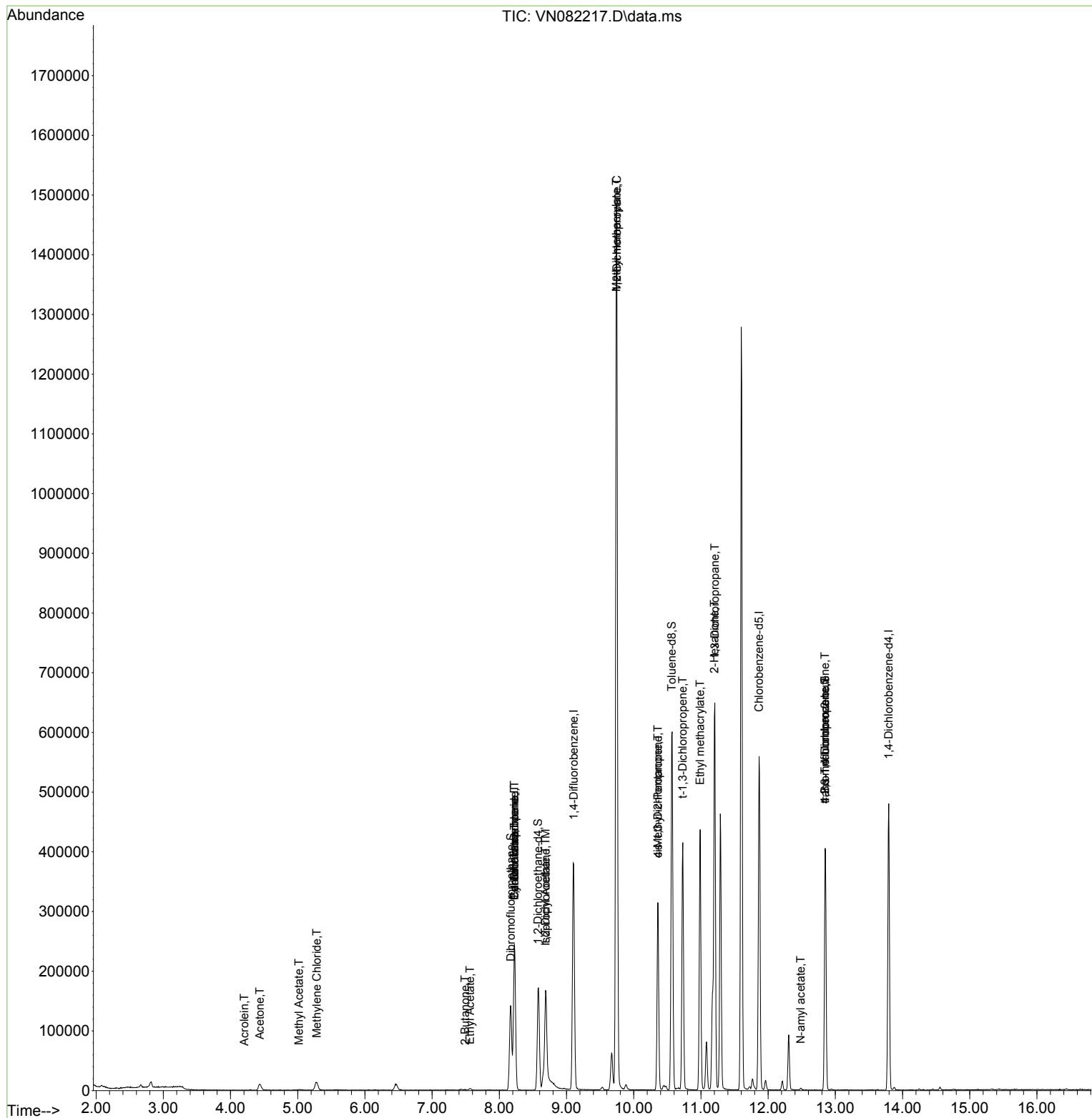
Internal Standards						
1) Pentafluorobenzene	8.224	168	166661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	303230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142765	54.250	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.500%	
35) Dibromofluoromethane	8.171	113	98813	52.973	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.940%	
50) Toluene-d8	10.565	98	391644	54.764	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.520%	
62) 4-Bromofluorobenzene	12.847	95	131491	51.514	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 103.020%	
Target Compounds						
					Qvalue	
13) Acrolein	4.206	56	112	0.358	ug/l #	73
16) Acetone	4.436	43	20236	18.745	ug/l	92
18) Methyl Acetate	5.018	43	2526	0.940	ug/l #	51
20) Methylene Chloride	5.283	84	9997	4.590	ug/l #	77
25) 2-Butanone	7.489	43	2137	1.306	ug/l #	77
31) Cyclohexane	8.224	56	4753	1.131	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	16068	5.136	ug/l #	48
37) Ethyl Acetate	7.565	43	4705	1.344	ug/l #	81
38) Carbon Tetrachloride	8.224	117	17873	5.636	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	987	0.275	ug/l #	73
43) Isopropyl Acetate	8.688	43	243589	39.265	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1649	0.685	ug/l #	45
48) Methyl methacrylate	9.741	41	149483	50.568	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	124484	35.317	ug/l #	43
53) t-1,3-Dichloropropene	10.730	75	815	0.236	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	46956	12.857	ug/l #	72
56) Ethyl methacrylate	10.988	69	1467	0.425	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6306	1.658	ug/l #	42
59) 2-Hexanone	11.200	43	99259	38.460	ug/l #	46
74) N-amyl acetate	12.482	43	1802	0.342	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	76963	30.340	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76963	70.964	ug/l #	12

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

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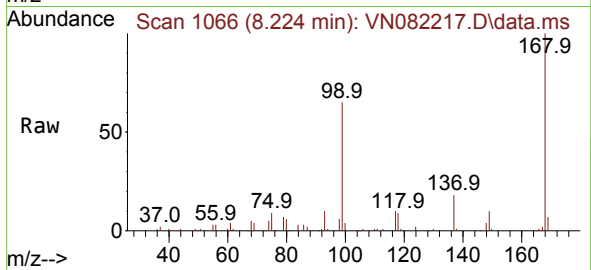
Quant Time: May 21 03:51:48 2024
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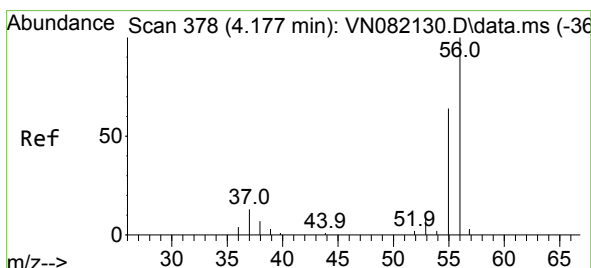
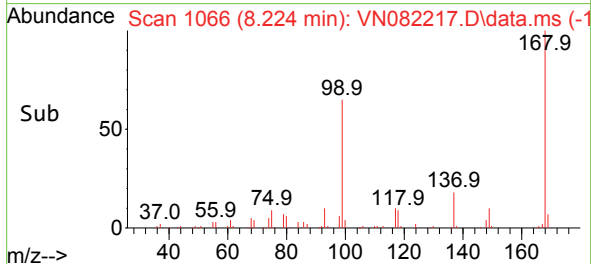
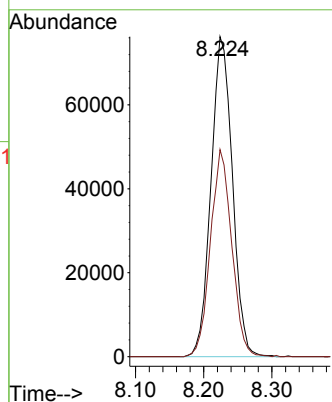


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :
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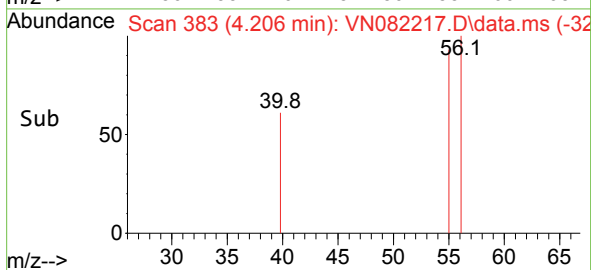
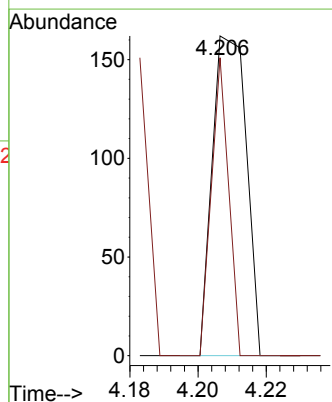
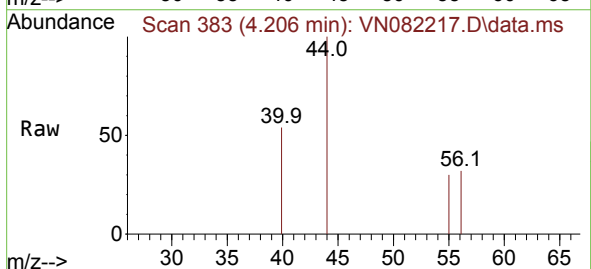


Tgt Ion:168 Resp: 166661
Ion Ratio Lower Upper
168 100
99 64.7 48.2 72.4



#13
Acrolein
Concen: 0.358 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.029 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 47.3 55.8 83.8#

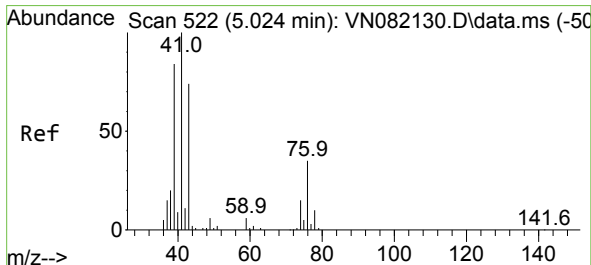
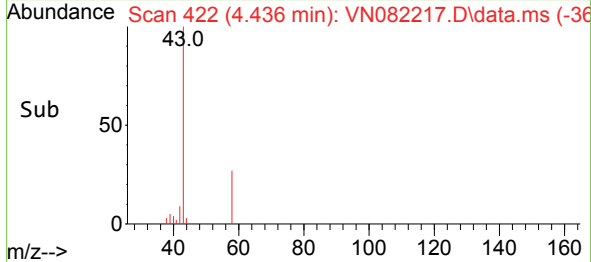
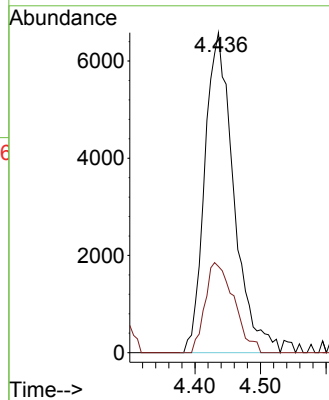
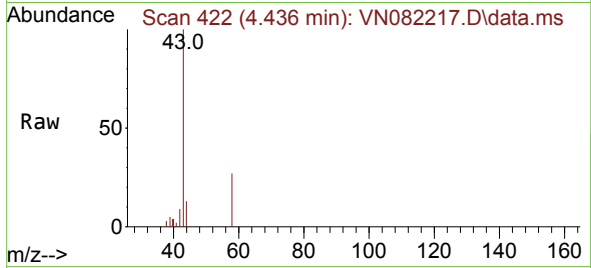




#16
Acetone
Concen: 18.745 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

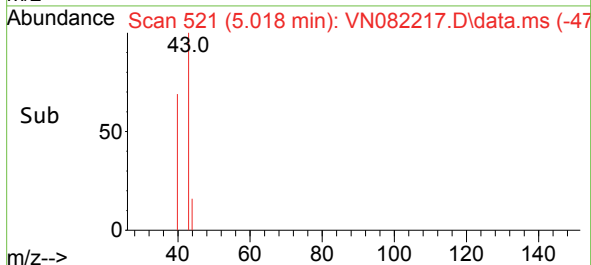
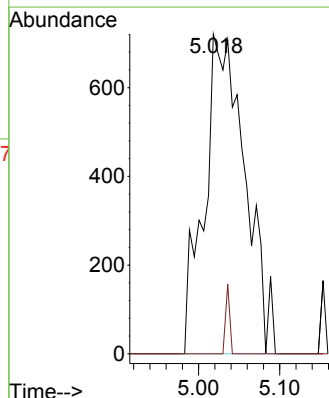
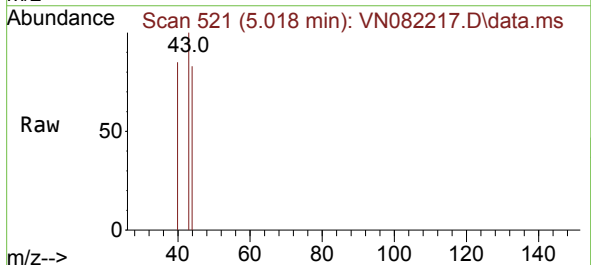
Instrument :
MSVOA_N
ClientSampleId :
TP-16

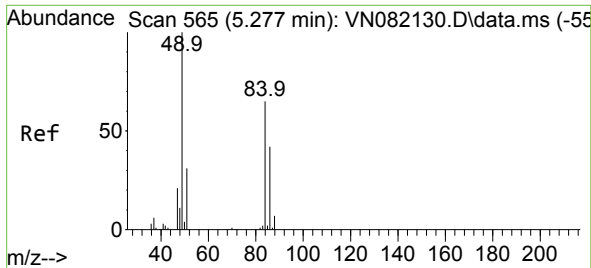
Tgt Ion: 43 Resp: 20236
Ion Ratio Lower Upper
43 100
58 26.9 25.2 37.8



#18
Methyl Acetate
Concen: 0.940 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

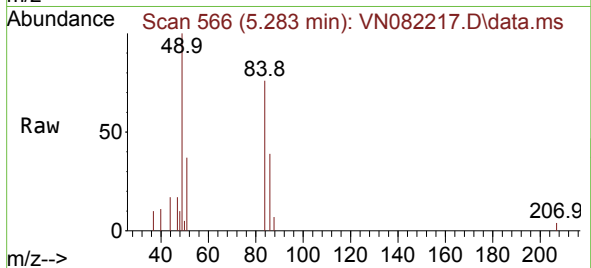
Tgt Ion: 43 Resp: 2526
Ion Ratio Lower Upper
43 100
74 2.2 22.2 33.2#



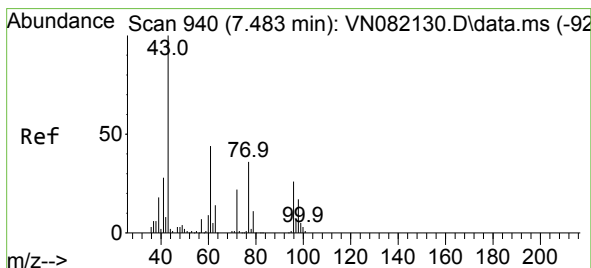
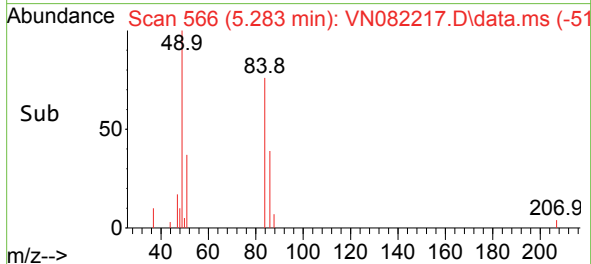
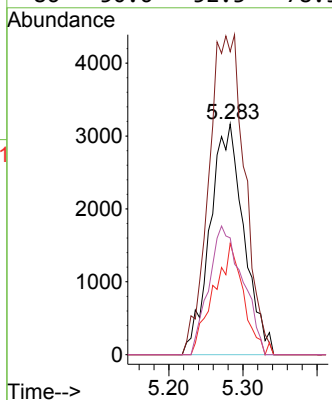


#20
Methylene Chloride
Concen: 4.590 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :
TP-16

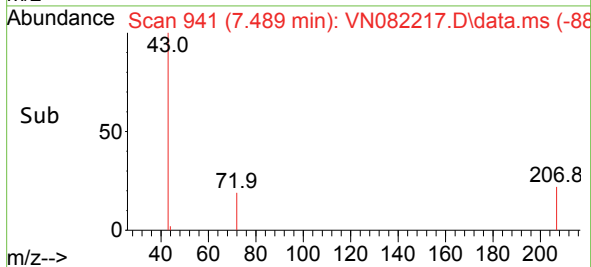
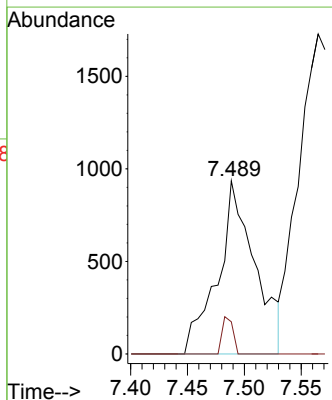
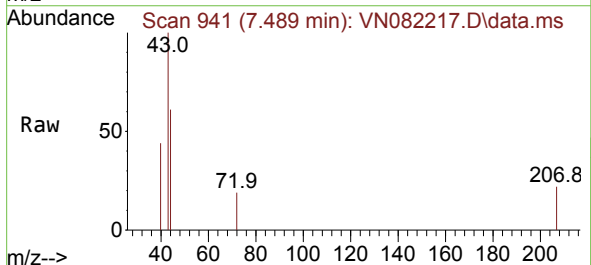


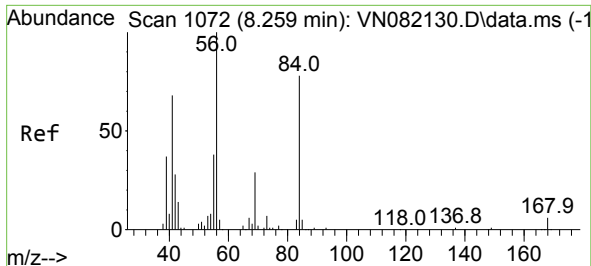
Tgt Ion:	84	Resp:	9997
Ion	Ratio	Lower	Upper
84	100		
49	131.4	84.9	127.3#
51	48.3	27.0	40.6#
86	50.6	52.3	78.5#



#25
2-Butanone
Concen: 1.306 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion:	43	Resp:	2137
Ion	Ratio	Lower	Upper
43	100		
72	18.6	25.3	37.9#





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082217.D

Acq: 20 May 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :

TP-16

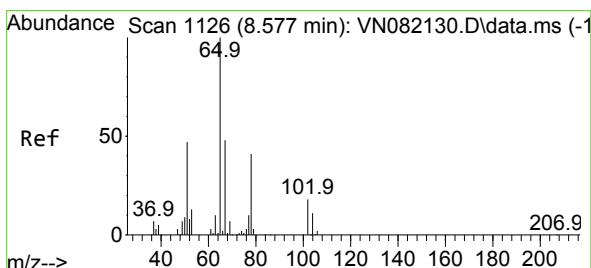
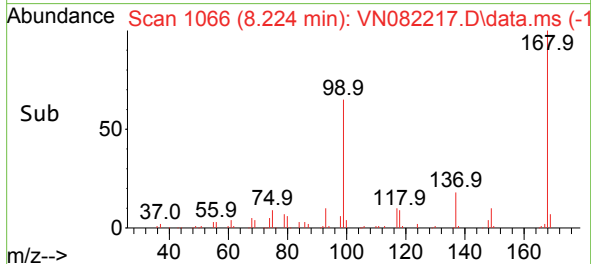
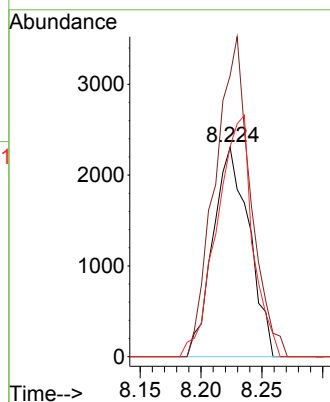
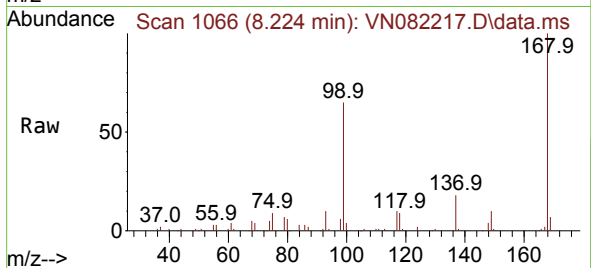
Tgt Ion: 56 Resp: 4753

Ion Ratio Lower Upper

56 100

69 134.3 24.4 36.6#

84 100.3 77.0 115.4



#33

1,2-Dichloroethane-d4

Concen: 54.250 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082217.D

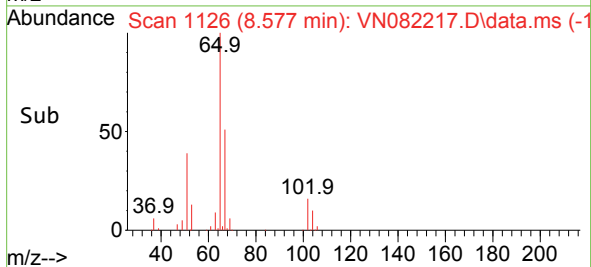
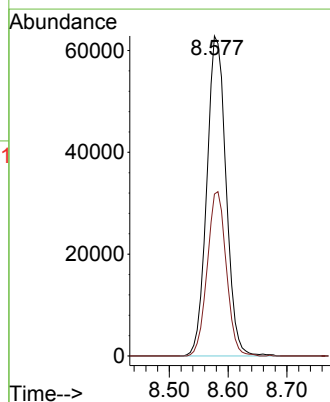
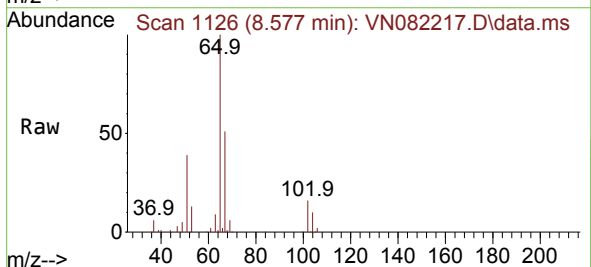
Acq: 20 May 2024 18:11

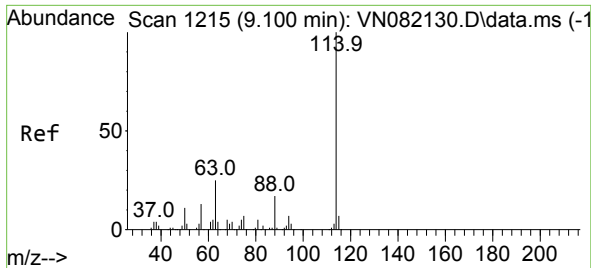
Tgt Ion: 65 Resp: 142765

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0

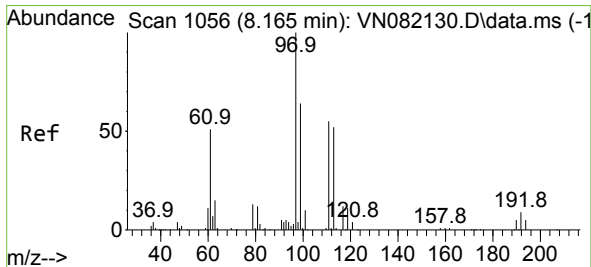
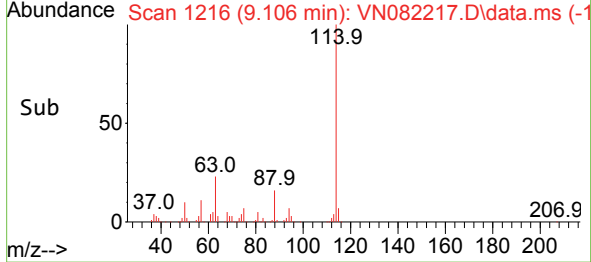
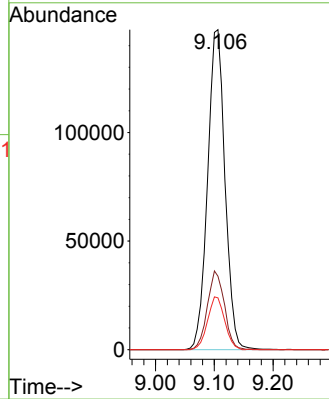
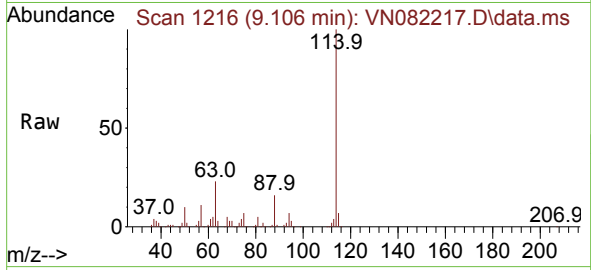




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

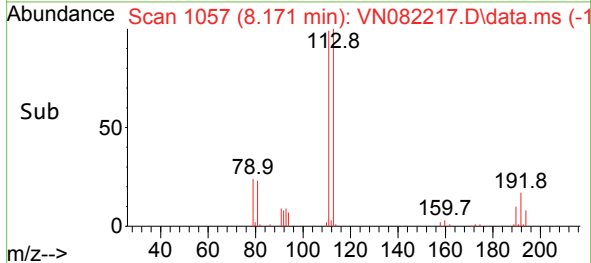
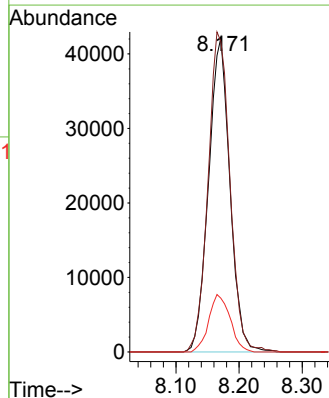
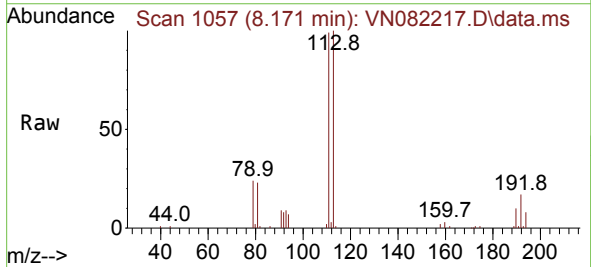
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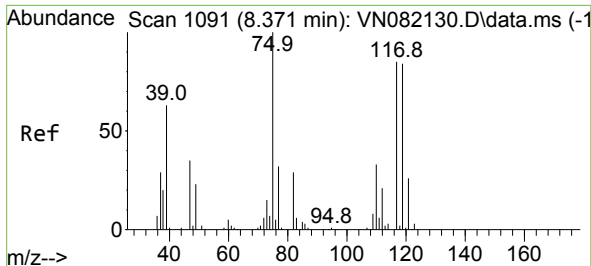
Tgt Ion:114 Resp: 303230
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.0
88 16.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.973 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

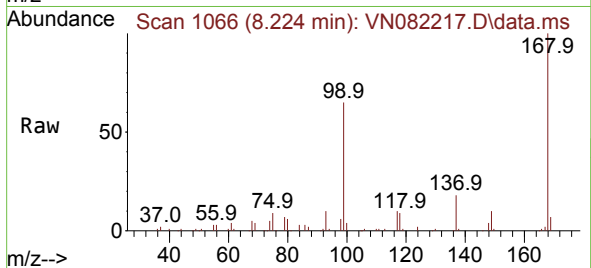
Tgt Ion:113 Resp: 98813
Ion Ratio Lower Upper
113 100
111 104.4 83.4 125.2
192 18.4 14.0 21.0



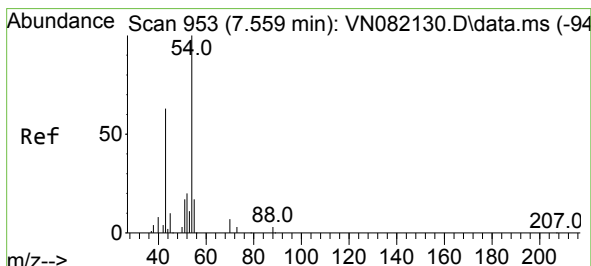
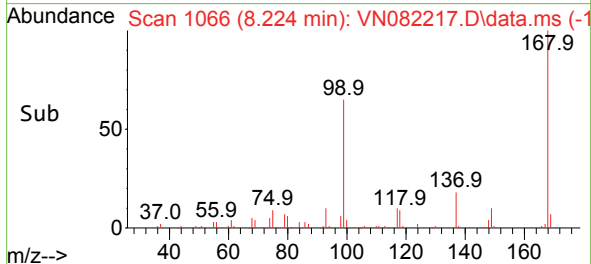
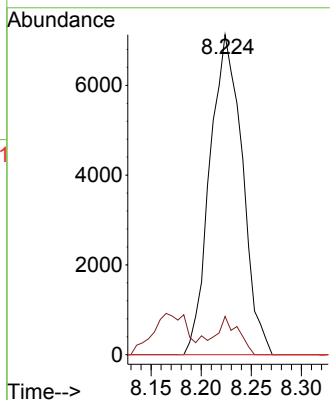


#36
1,1-Dichloropropene
Concen: 5.136 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :
TP-16

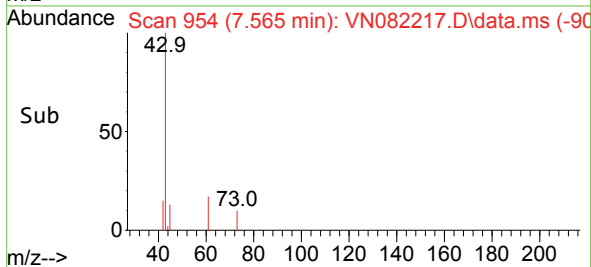
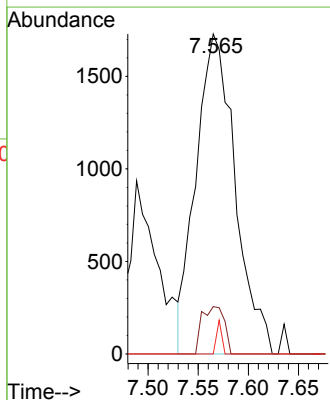
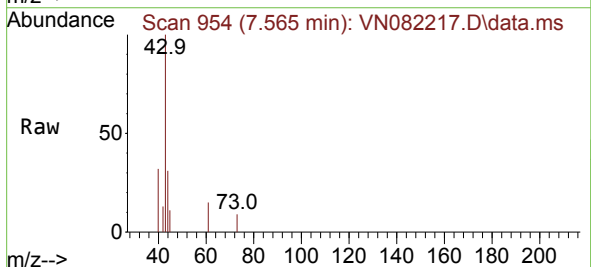


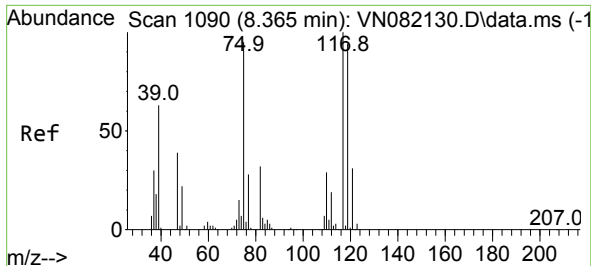
Tgt Ion: 75 Resp: 16068
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.344 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 43 Resp: 4705
Ion Ratio Lower Upper
43 100
61 8.4 11.3 16.9#
70 1.4 8.7 13.1#

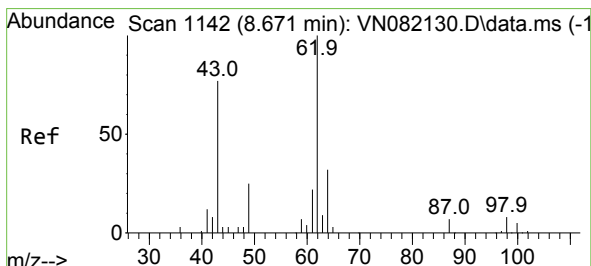
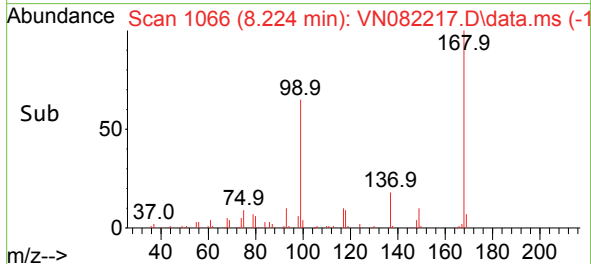
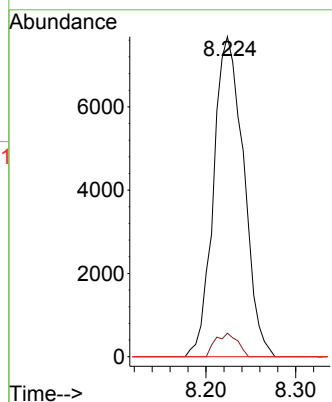
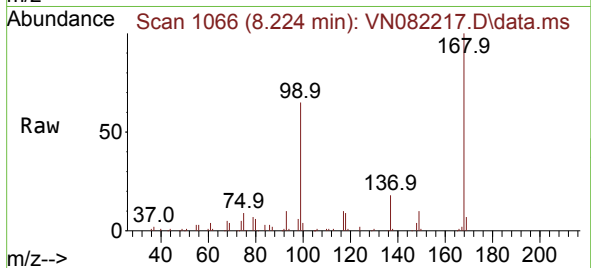




#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

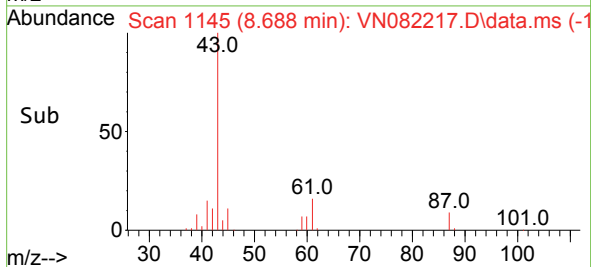
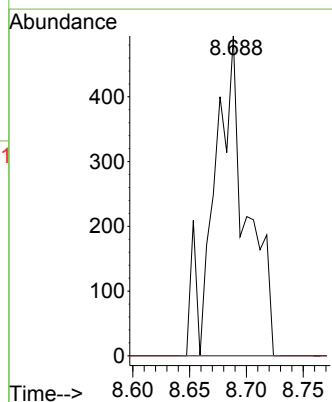
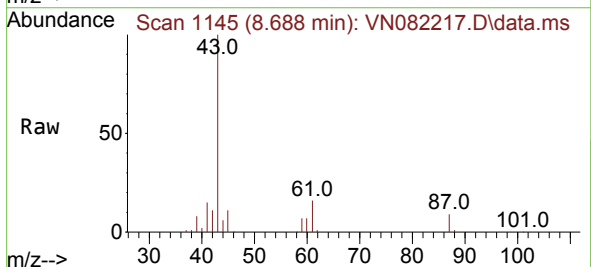
Instrument :
MSVOA_N
ClientSampleId :
TP-16

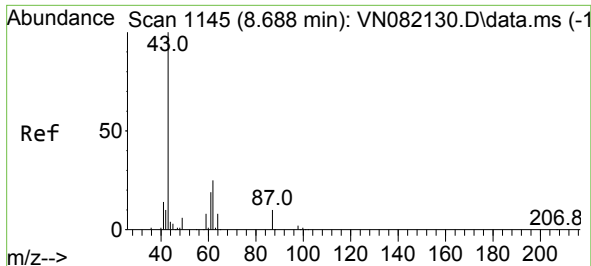
Tgt Ion:117 Resp: 17873
Ion Ratio Lower Upper
117 100
119 7.3 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.275 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 62 Resp: 987
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

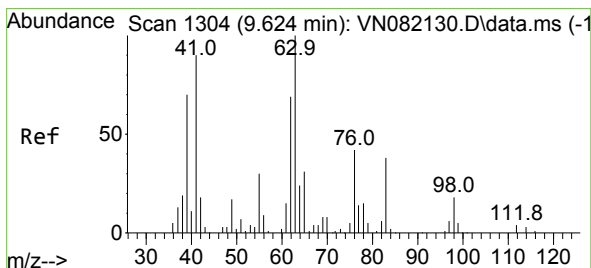
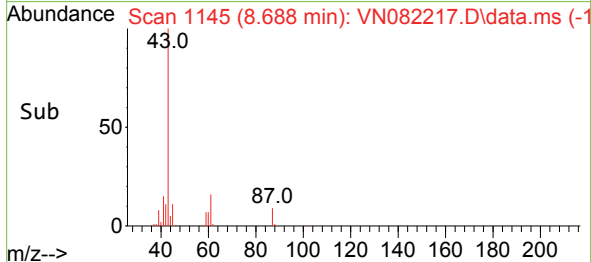
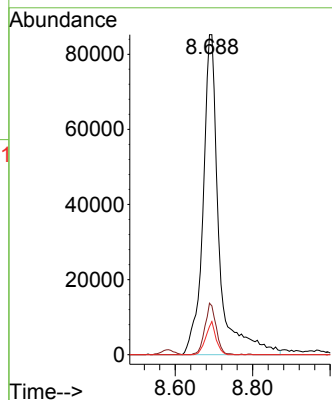
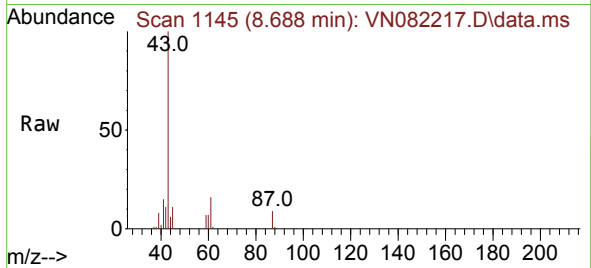




#43
Isopropyl Acetate
Concen: 39.265 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

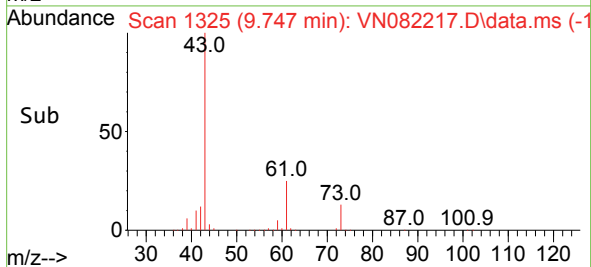
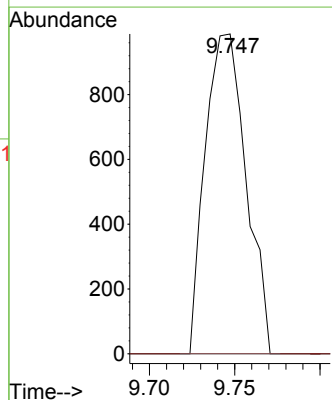
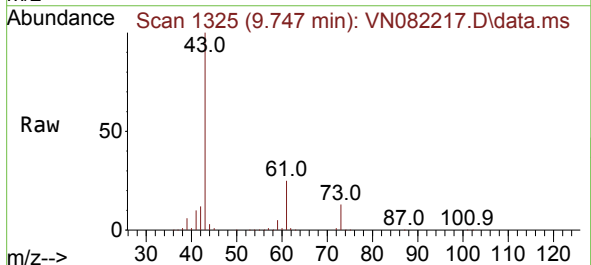
Instrument :
MSVOA_N
ClientSampleId :
TP-16

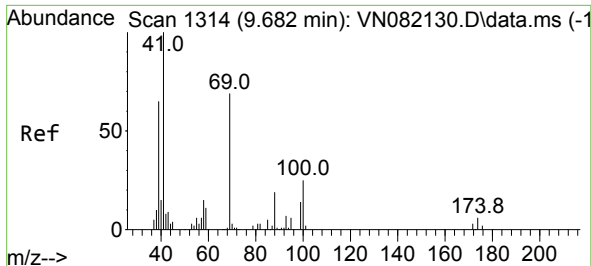
Tgt Ion: 43 Resp: 243589
Ion Ratio Lower Upper
43 100
61 11.3 22.8 34.2#
87 6.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.685 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 63 Resp: 1649
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

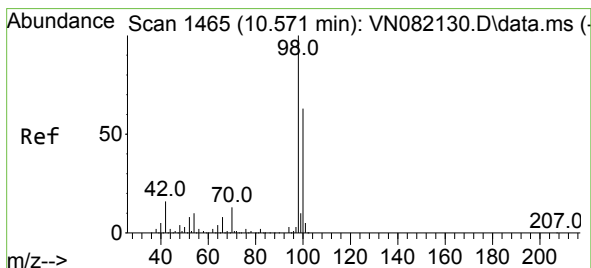
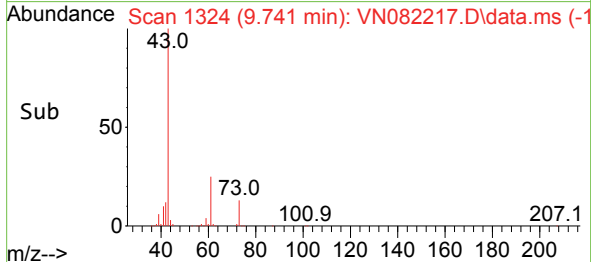
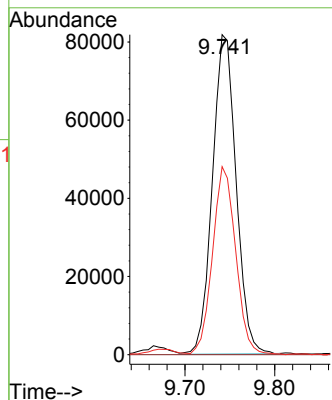
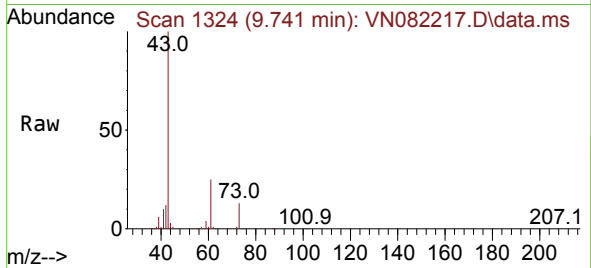




#48
Methyl methacrylate
Concen: 50.568 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

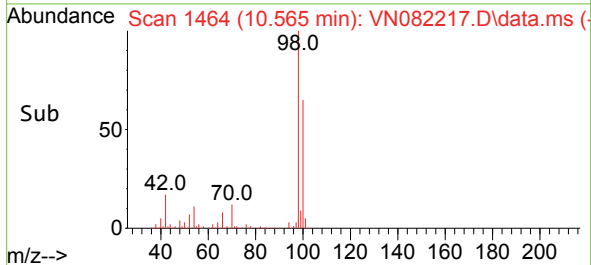
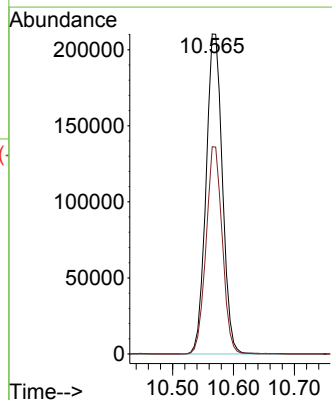
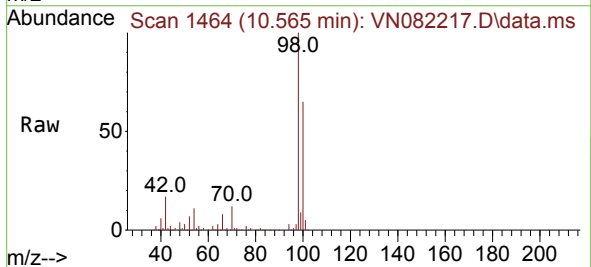
Instrument :
MSVOA_N
ClientSampleId :
TP-16

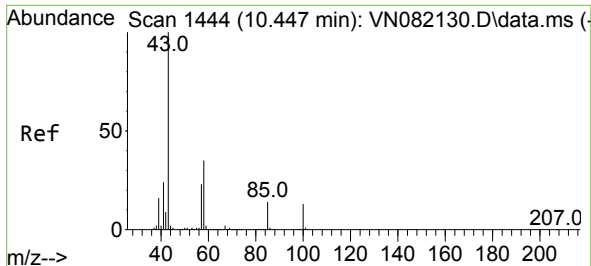
Tgt Ion: 41 Resp: 149483
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 57.7 50.9 76.3



#50
Toluene-d8
Concen: 54.764 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 98 Resp: 391644
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

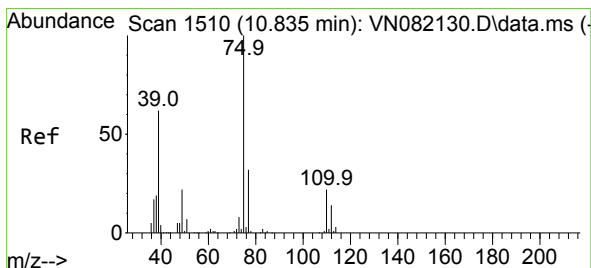
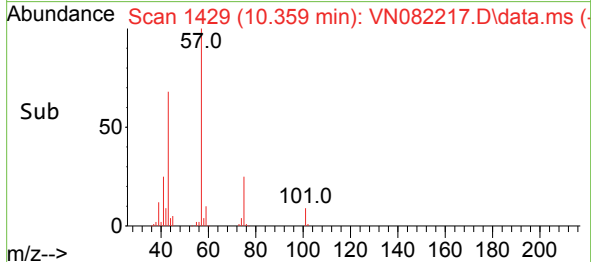
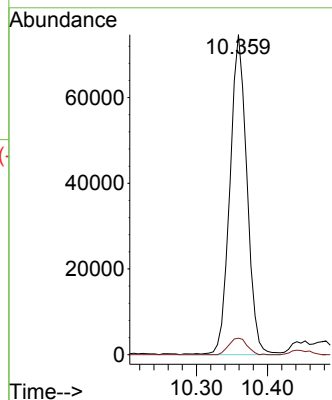
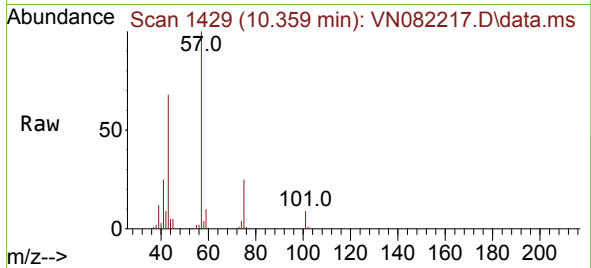




#51
4-Methyl-2-Pentanone
Concen: 35.317 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

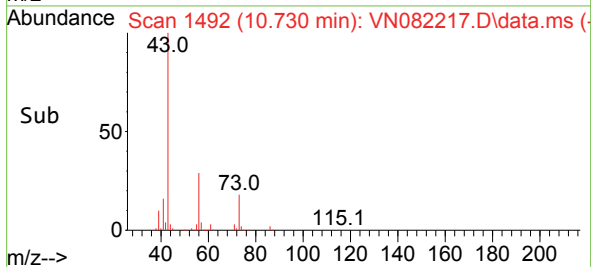
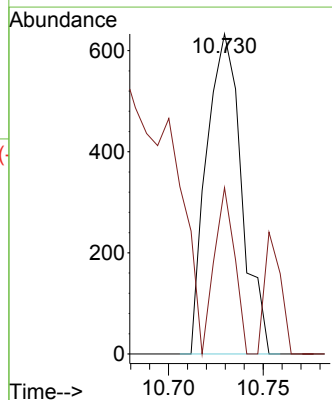
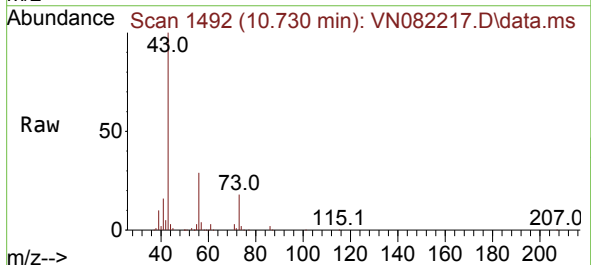
Instrument :
MSVOA_N
ClientSampleId :
TP-16

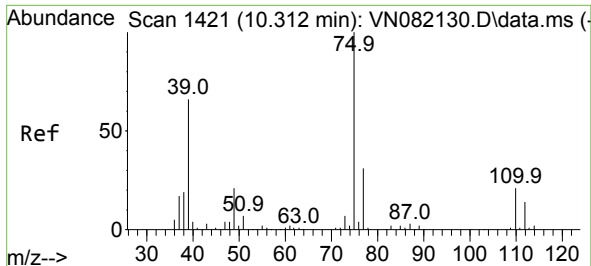
Tgt Ion: 43 Resp: 124484
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.236 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 75 Resp: 815
Ion Ratio Lower Upper
75 100
77 26.9 25.4 38.0

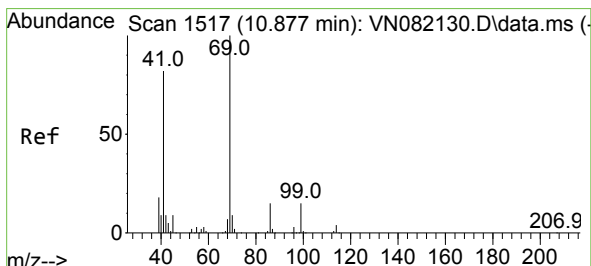
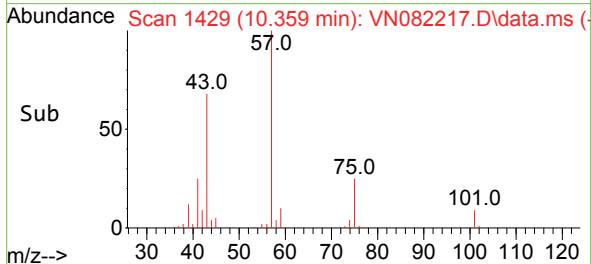
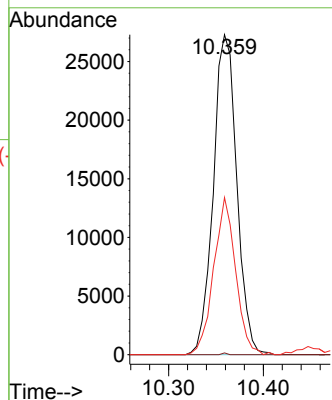
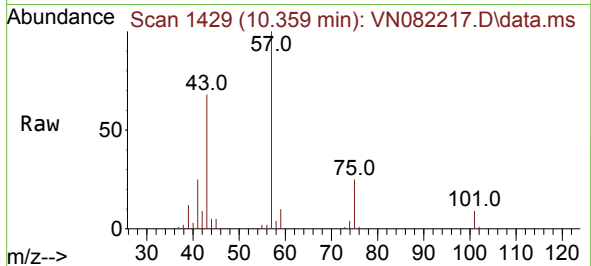




#54
 cis-1,3-Dichloropropene
 Concen: 12.857 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082217.D
 Acq: 20 May 2024 18:11

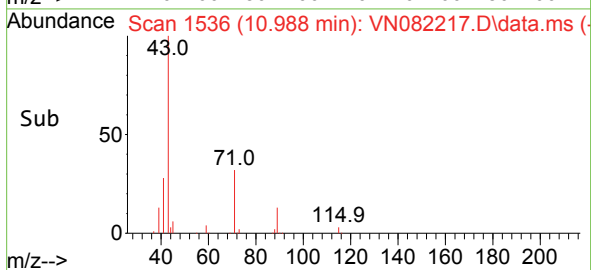
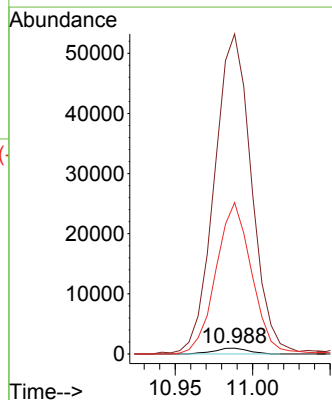
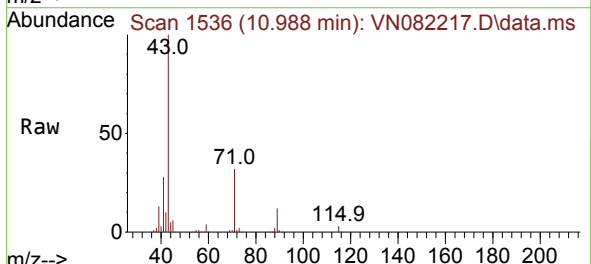
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-16

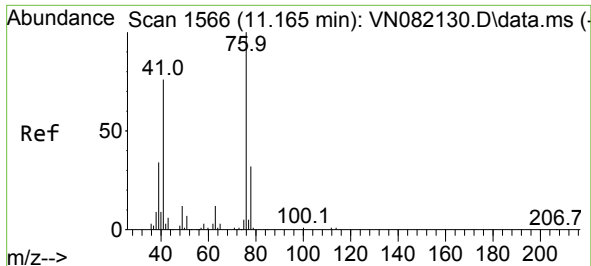
Tgt Ion: 75 Resp: 46956
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 49.1 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.425 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082217.D
 Acq: 20 May 2024 18:11

Tgt Ion: 69 Resp: 1467
 Ion Ratio Lower Upper
 69 100
 41 6080.2 46.6 70.0#
 39 2752.0 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.658 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082217.D

Acq: 20 May 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :

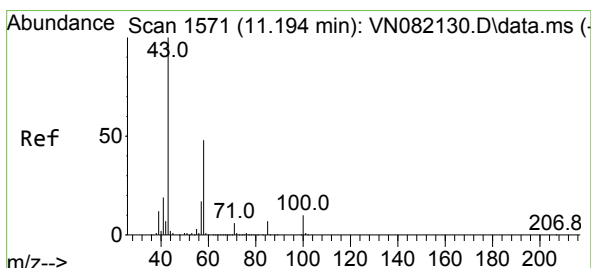
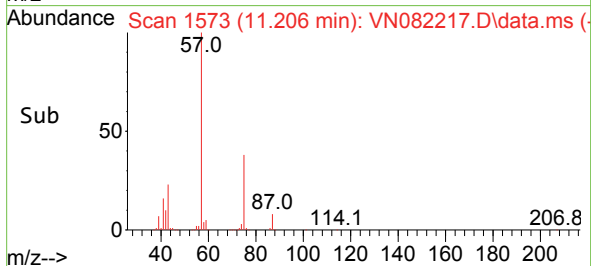
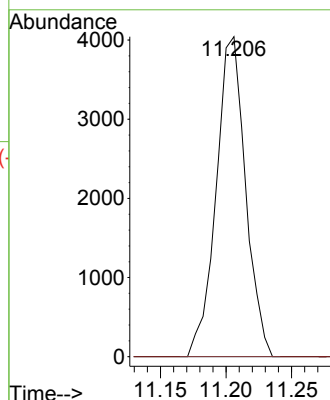
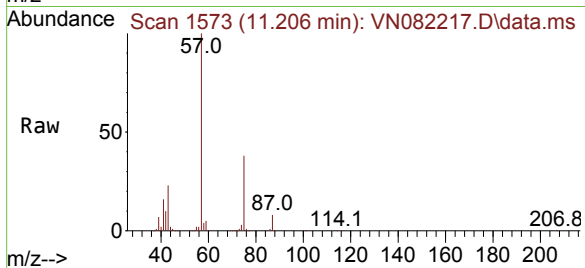
TP-16

Tgt Ion: 76 Resp: 6306

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 38.460 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN082217.D

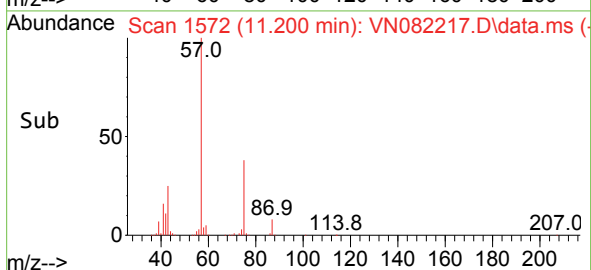
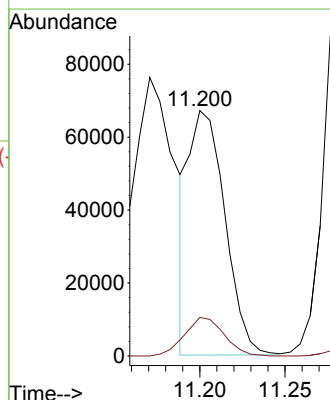
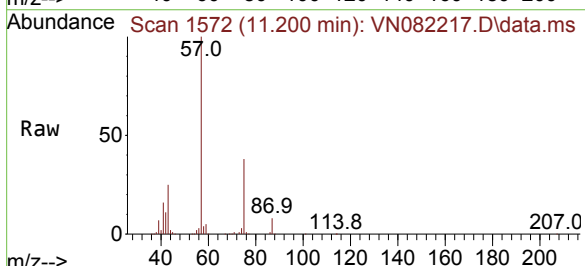
Acq: 20 May 2024 18:11

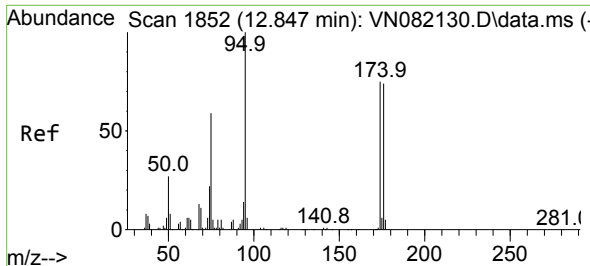
Tgt Ion: 43 Resp: 99259

Ion Ratio Lower Upper

43 100

58 17.2 28.3 84.9#

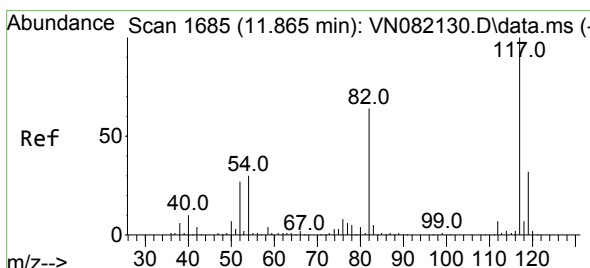
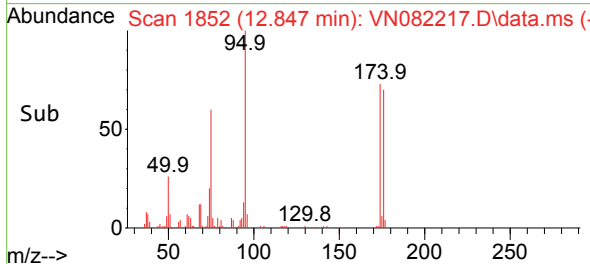
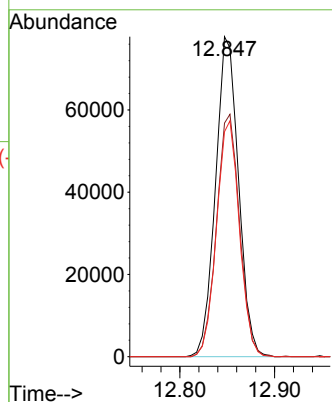
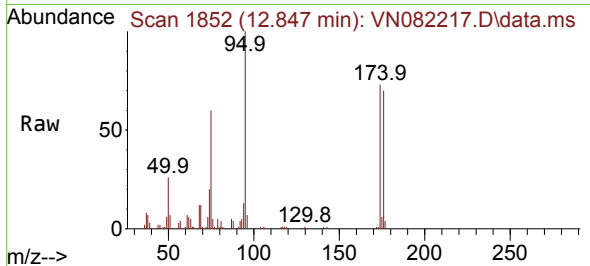




#62
4-Bromofluorobenzene
Concen: 51.514 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

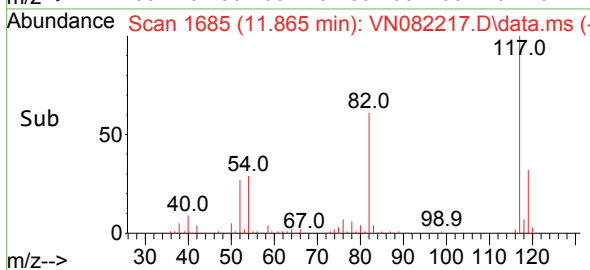
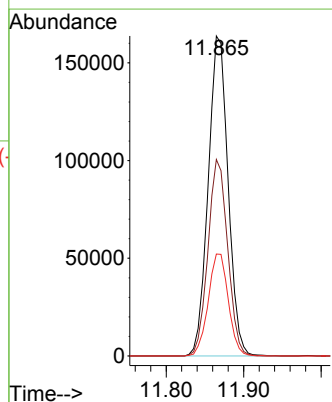
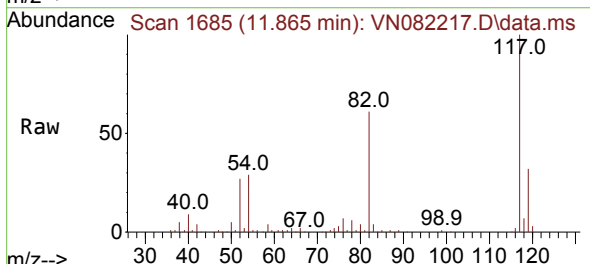
Instrument :
MSVOA_N
ClientSampleId :
TP-16

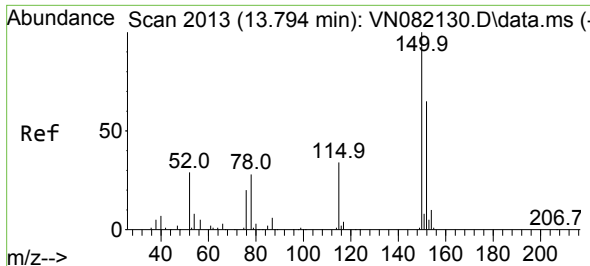
Tgt Ion: 95 Resp: 131491
Ion Ratio Lower Upper
95 100
174 75.9 0.0 160.6
176 73.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 117 Resp: 291705
Ion Ratio Lower Upper
117 100
82 61.4 44.6 66.8
119 31.8 25.9 38.9

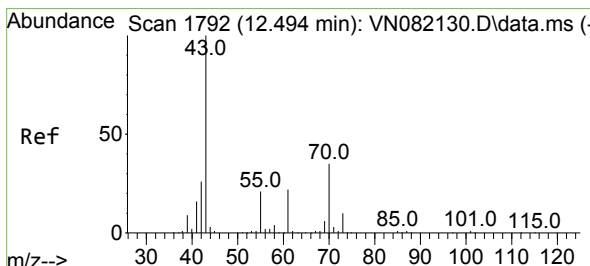
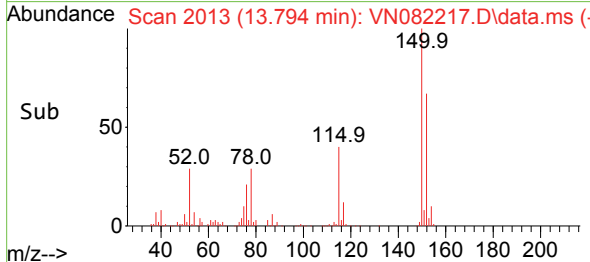
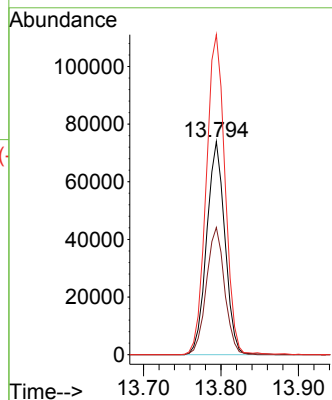
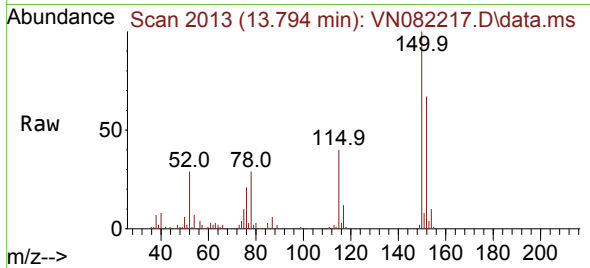




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

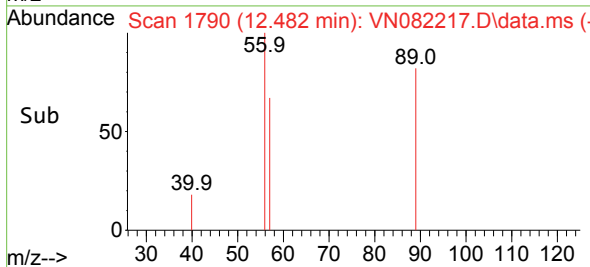
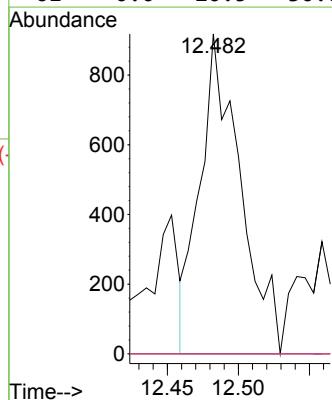
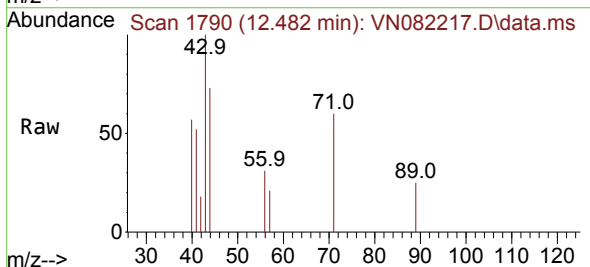
Instrument :
MSVOA_N
ClientSampleId :
TP-16

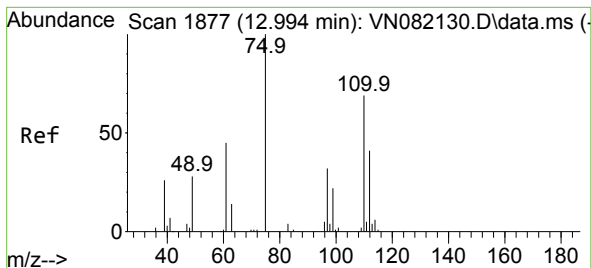
Tgt Ion:152 Resp: 120521
Ion Ratio Lower Upper
152 100
115 59.7 30.4 91.3
150 154.7 0.0 353.2



#74
N-ethyl acetate
Concen: 0.342 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082217.D
Acq: 20 May 2024 18:11

Tgt Ion: 43 Resp: 1802
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: 30.340 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082217.D

Acq: 20 May 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :

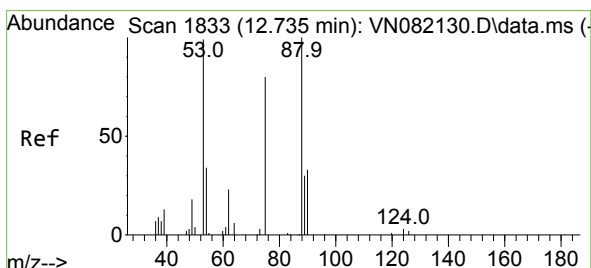
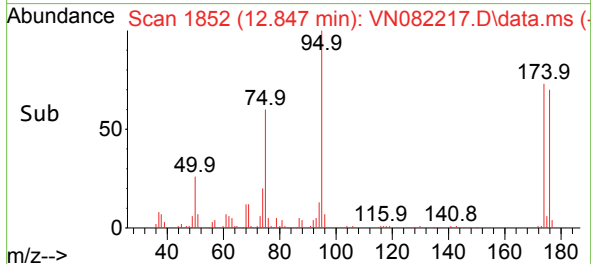
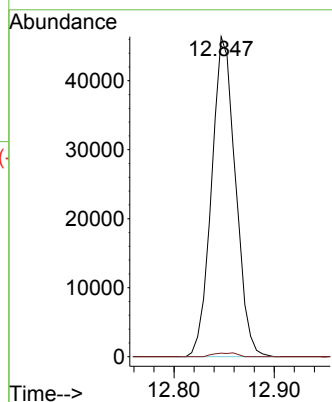
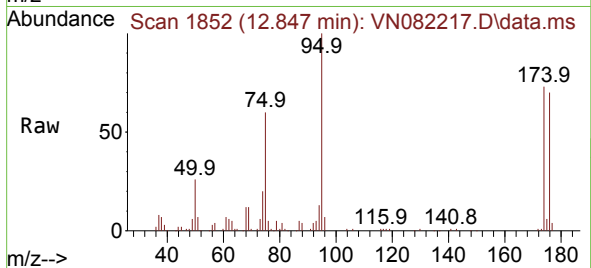
TP-16

Tgt Ion: 75 Resp: 76963

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.964 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082217.D

Acq: 20 May 2024 18:11

Tgt Ion: 75 Resp: 76963

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

