

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082163.D
 Acq On : 16 May 2024 15:43
 Operator : JC\MD
 Sample : P2502-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240515064-02-VOA

Quant Time: May 17 05:03:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	189027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134364	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151530	50.767	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.540%	
35) Dibromofluoromethane	8.165	113	107025	54.162	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.320%	
50) Toluene-d8	10.565	98	416095	54.924	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.840%	
62) 4-Bromofluorobenzene	12.847	95	143339	53.010	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 106.020%	

Target Compounds						Qvalue
4) Vinyl Chloride	2.512	62	1013	0.349	ug/l #	58
8) Diethyl Ether	3.959	74	5459	4.030	ug/l	65
11) Tert butyl alcohol	5.512	59	2363112	4932.152	ug/l	99
14) Allyl chloride	4.947	41	20555	4.651	ug/l #	31
15) Acrylonitrile	5.512	53	21993	17.724	ug/l #	21
16) Acetone	4.418	43	724147	591.425	ug/l	91
17) Carbon Disulfide	4.712	76	46078	6.911	ug/l	97
18) Methyl Acetate	5.030	43	2828	0.927	ug/l #	67
19) Methyl tert-butyl Ether	5.789	73	19908	2.638	ug/l #	75
25) 2-Butanone	7.477	43	1136236	612.063	ug/l #	82
26) 2,2-Dichloropropane	7.430	77	116645	29.275	ug/l #	53
27) cis-1,2-Dichloroethene	7.494	96	1403	0.528	ug/l #	22
28) Bromochloromethane	7.841	49	1538	0.694	ug/l #	10
29) Tetrahydrofuran	7.835	42	799301	670.604	ug/l #	82
31) Cyclohexane	8.224	56	5944	1.247	ug/l #	51
36) 1,1-Dichloropropene	8.218	75	18664	5.632	ug/l #	48
37) Ethyl Acetate	7.477	43	1136236	306.357	ug/l #	68
38) Carbon Tetrachloride	8.224	117	20682	6.156	ug/l #	18
40) Benzene	8.606	78	54484	5.513	ug/l	100
41) Methacrylonitrile	7.835	41	474522	217.548	ug/l #	40
42) 1,2-Dichloroethane	8.665	62	2751	0.724	ug/l	85
43) Isopropyl Acetate	8.653	43	12800	1.948	ug/l #	52
48) Methyl methacrylate	9.612	41	734	0.234	ug/l #	8
49) 1,4-Dioxane	9.700	88	3858	87.920	ug/l #	72
51) 4-Methyl-2-Pentanone	10.565	43	10493	2.810	ug/l	91
52) Toluene	10.629	92	42175	7.111	ug/l	98
55) 1,1,2-Trichloroethane	10.923	97	1185	0.550	ug/l #	22
59) 2-Hexanone	11.171	43	145785	53.323	ug/l #	23
65) Chlorobenzene	11.894	112	12475	1.843	ug/l	94
67) Ethyl Benzene	11.965	91	111205	9.182	ug/l	98
68) m/p-Xylenes	12.070	106	39038	8.795	ug/l	98
69) o-Xylene	12.400	106	24071	5.598	ug/l	90
70) Styrene	12.406	104	3374	0.472	ug/l #	1
71) Bromoform	12.847	173	706	0.441	ug/l #	28
73) Isopropylbenzene	12.694	105	16086	1.507	ug/l	100
74) N-amyl acetate	12.459	43	14651	2.495	ug/l #	43

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 Response via : Initial Calibration

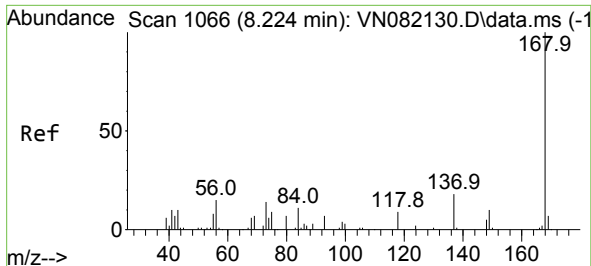
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.847	75	87527	30.950	ug/l #	1
78) n-propylbenzene	13.035	91	6962	0.551	ug/l	94
79) 2-Chlorotoluene	13.106	91	2698	0.340	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.176	105	7513	0.870	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	87527	72.390	ug/l #	13
82) 4-Chlorotoluene	13.476	91	4139	0.533	ug/l	85
83) tert-Butylbenzene	13.670	119	2606	0.345	ug/l	80
84) 1,2,4-Trimethylbenzene	13.482	105	32554	3.687	ug/l	99
86) p-Isopropyltoluene	13.735	119	29848	3.509	ug/l	97
87) 1,3-Dichlorobenzene	13.812	146	14411	3.127	ug/l	85
88) 1,4-Dichlorobenzene	13.812	146	14411	3.064	ug/l #	81
90) Hexachloroethane	14.335	117	428	0.272	ug/l #	17
95) Naphthalene	15.641	128	331767	43.293	ug/l	99

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

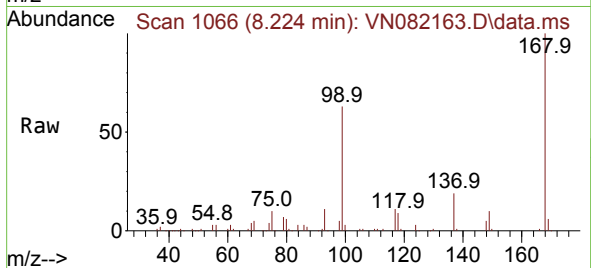
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
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Response via : Initial Calibration



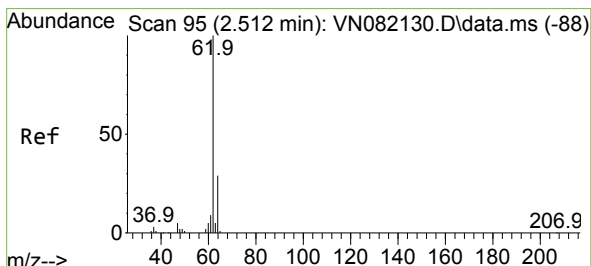
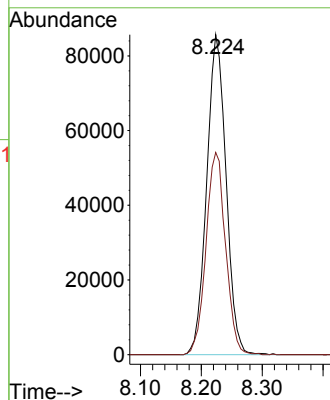
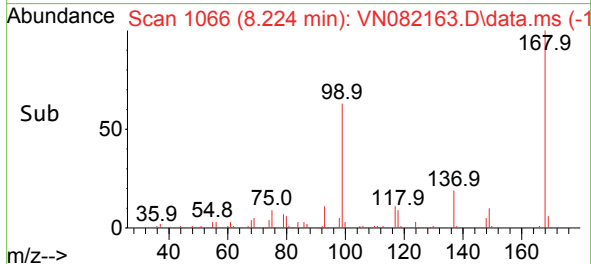


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082163.D
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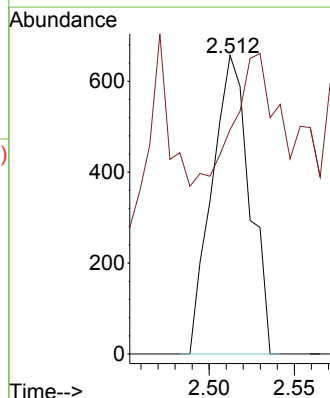
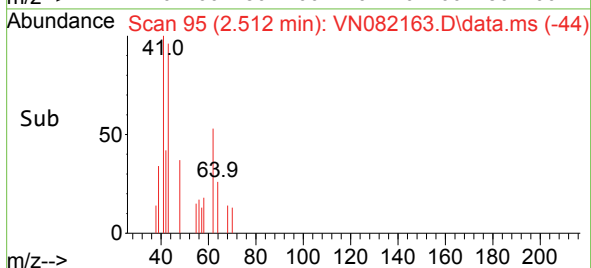
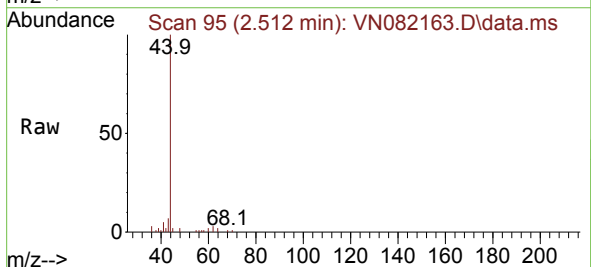


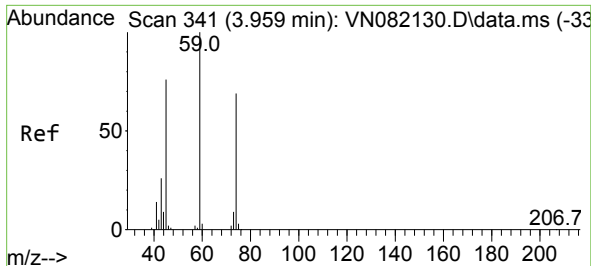
Tgt Ion:168 Resp: 189027
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#4
Vinyl Chloride
Concen: 0.349 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 62 Resp: 1013
Ion Ratio Lower Upper
62 100
64 7.8 24.6 37.0

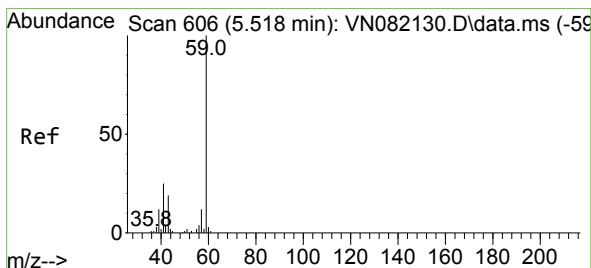
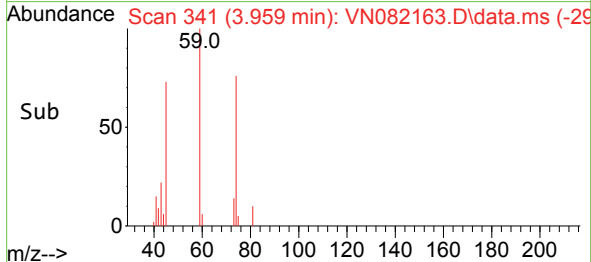
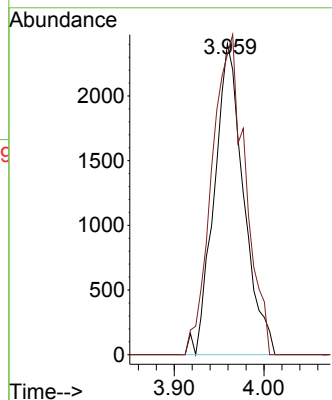
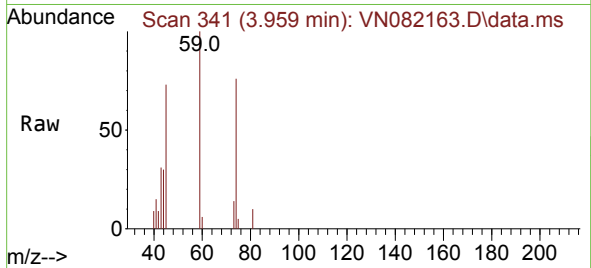




#8
Diethyl Ether
Concen: 4.030 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

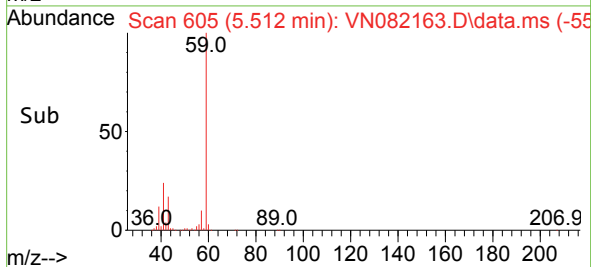
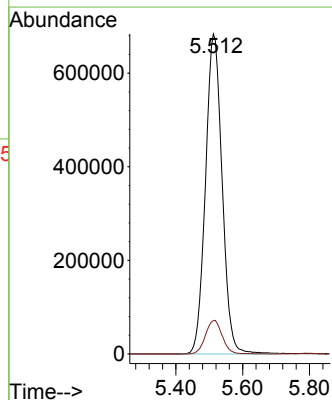
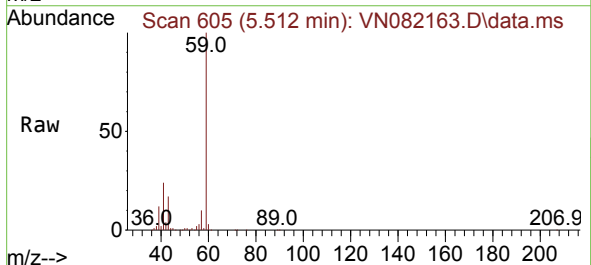
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

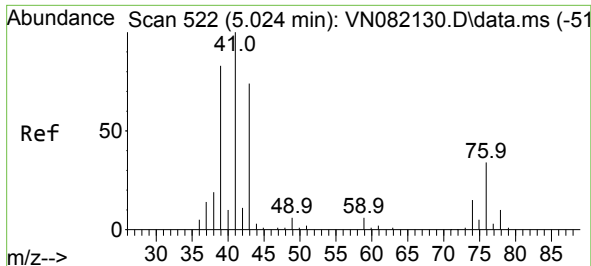
Tgt Ion: 74 Resp: 5459
Ion Ratio Lower Upper
74 100
45 117.1 42.4 127.3



#11
Tert butyl alcohol
Concen: 4932.152 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 59 Resp: 2363112
Ion Ratio Lower Upper
59 100
57 10.6 8.9 13.3

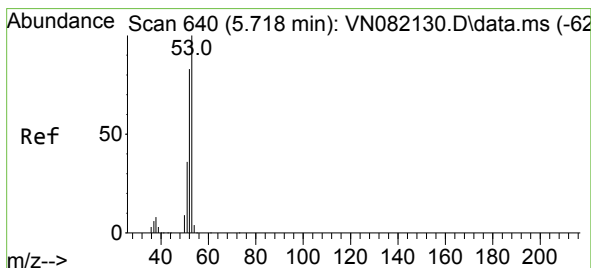
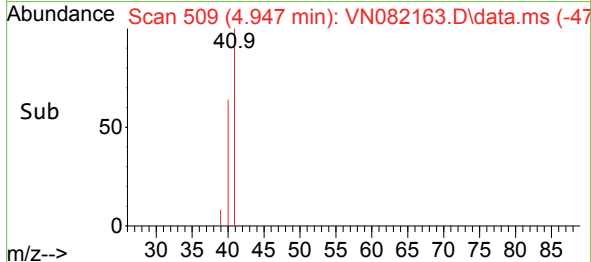
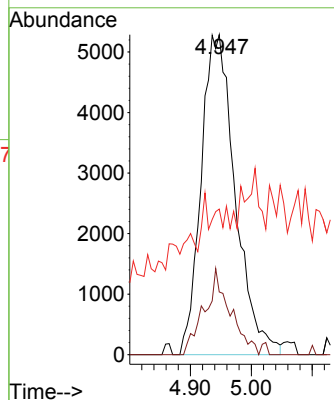
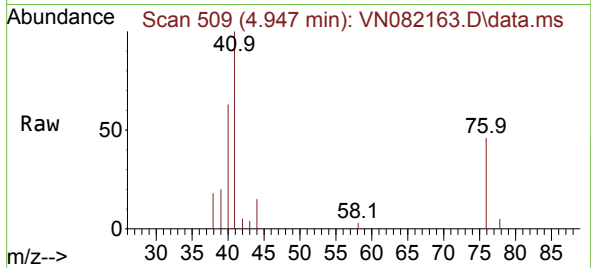




#14
 Allyl chloride
 Concen: 4.651 ug/l
 RT: 4.947 min Scan# 509
 Delta R.T. -0.077 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43

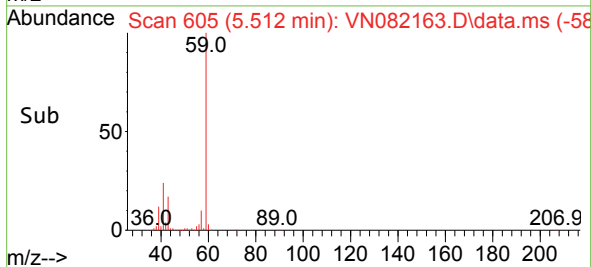
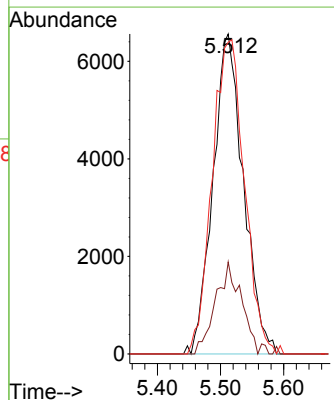
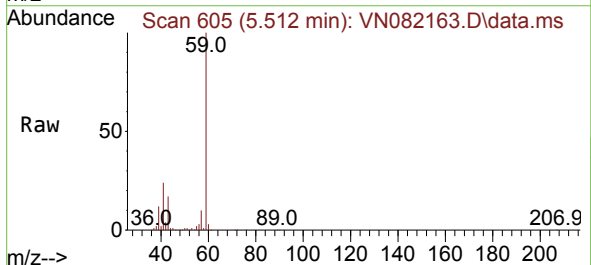
Instrument :
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 ClientSampleId :
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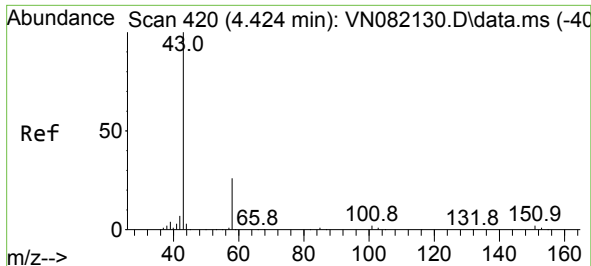
Tgt Ion:	41	Resp:	20555
Ion	Ratio	Lower	Upper
41	100		
39	20.5	65.4	98.0#
76	0.0	37.3	55.9#



#15
 Acrylonitrile
 Concen: 17.724 ug/l
 RT: 5.512 min Scan# 605
 Delta R.T. -0.206 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43

Tgt Ion:	53	Resp:	21993
Ion	Ratio	Lower	Upper
53	100		
52	24.8	66.1	99.1#
51	104.2	29.4	44.2#

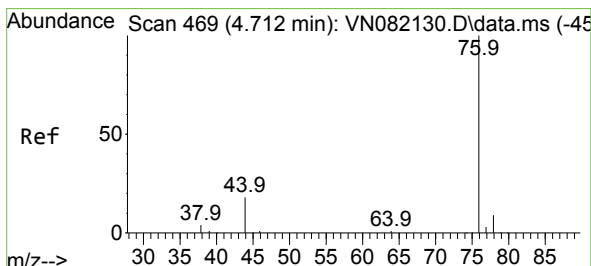
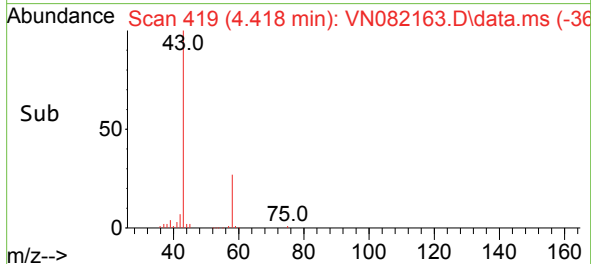
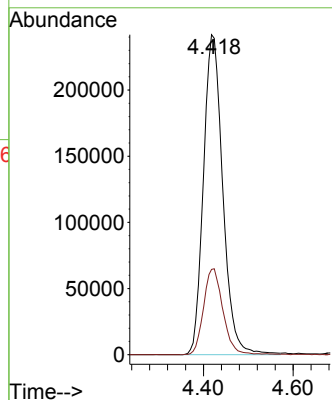
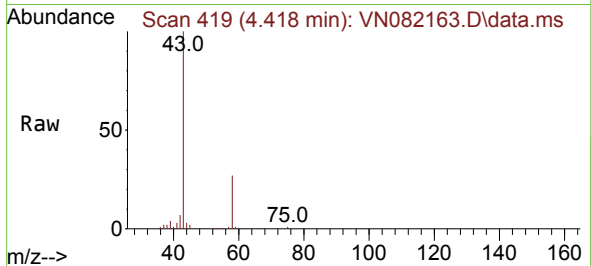




#16
Acetone
Concen: 591.425 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

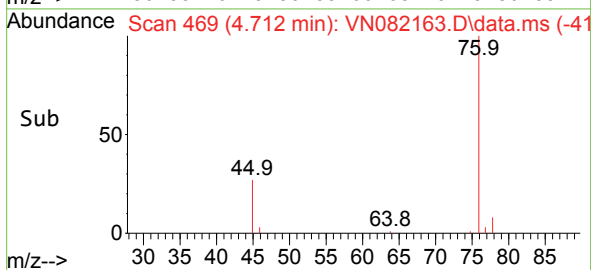
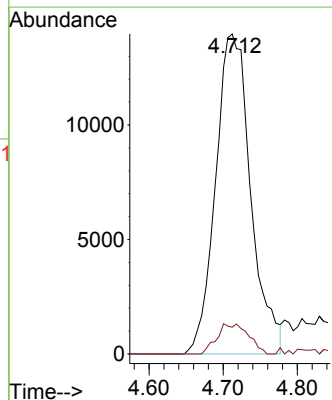
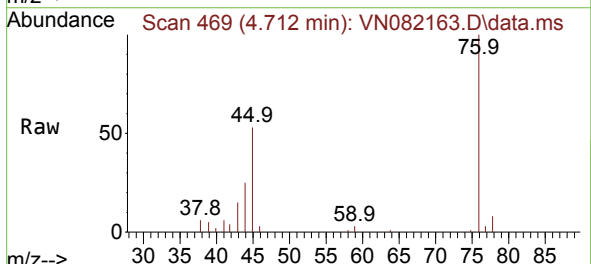
Instrument :
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ClientSampleId :
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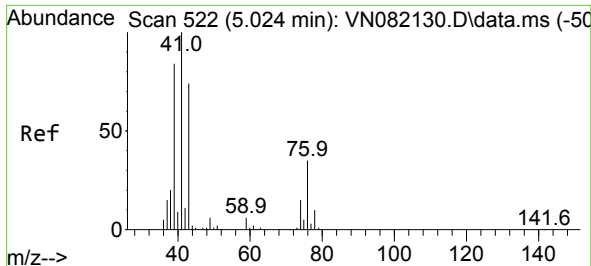
Tgt Ion: 43 Resp: 724147
Ion Ratio Lower Upper
43 100
58 26.7 25.2 37.8



#17
Carbon Disulfide
Concen: 6.911 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

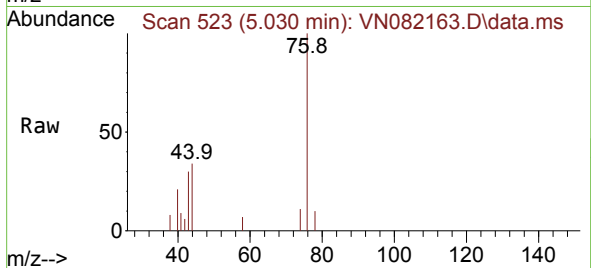
Tgt Ion: 76 Resp: 46078
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3



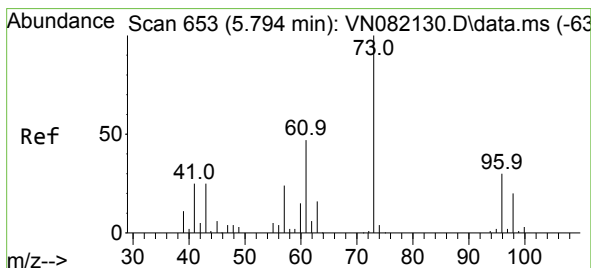
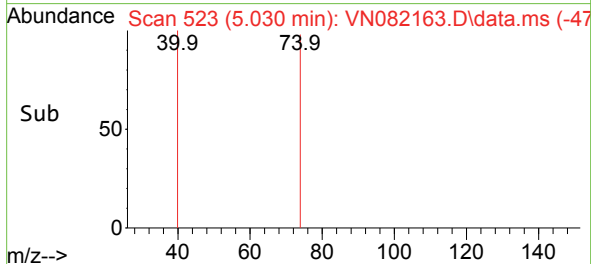
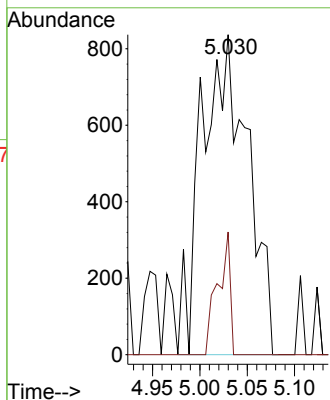


#18
Methyl Acetate
Concen: 0.927 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

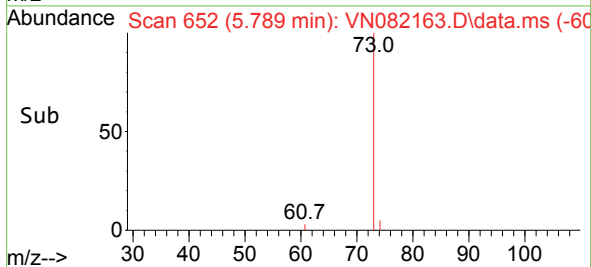
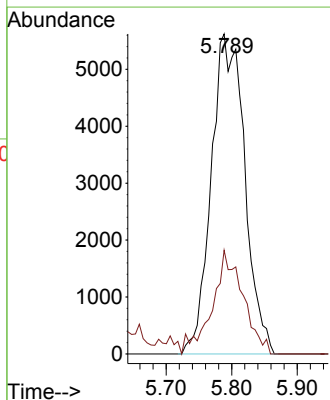
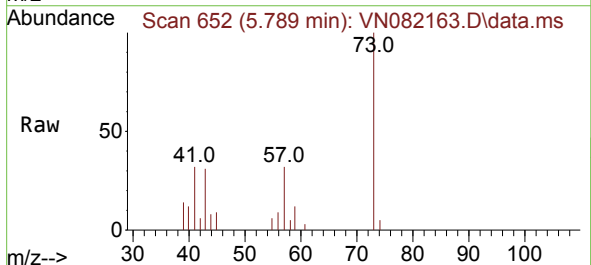


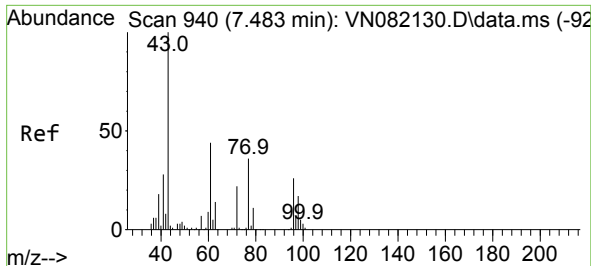
Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
74 10.4 22.2 33.2#



#19
Methyl tert-butyl Ether
Concen: 2.638 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 73 Resp: 19908
Ion Ratio Lower Upper
73 100
57 32.4 16.5 24.7#

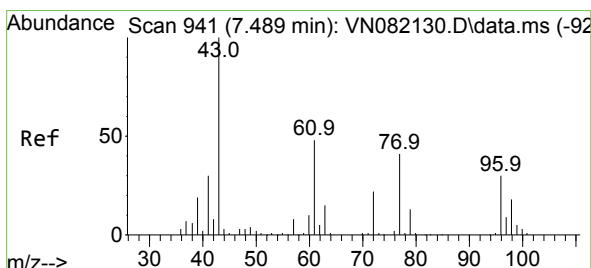
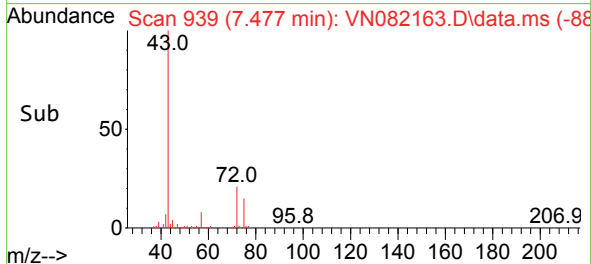
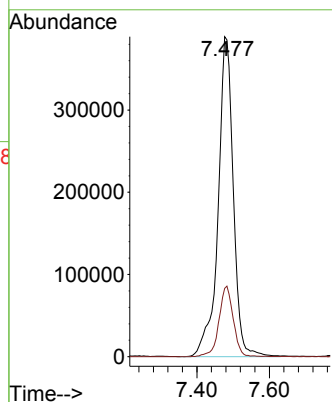
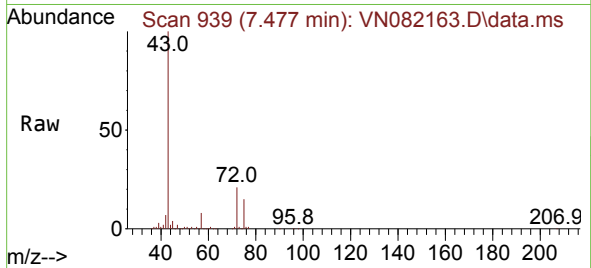




#25
2-Butanone
Concen: 612.063 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

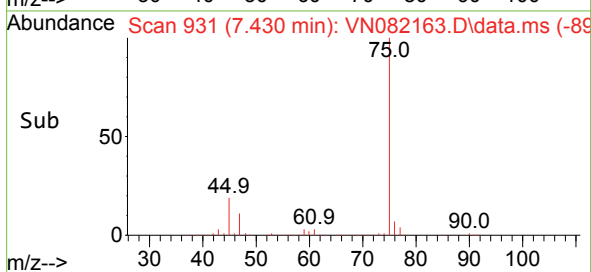
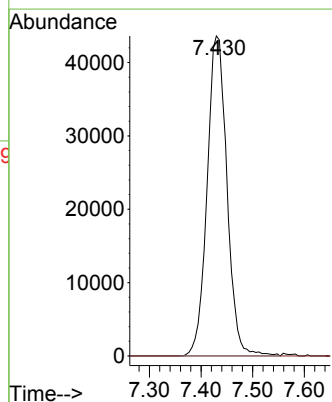
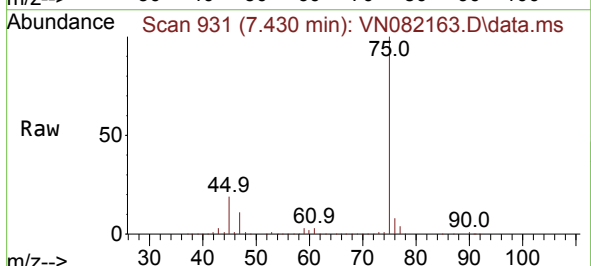
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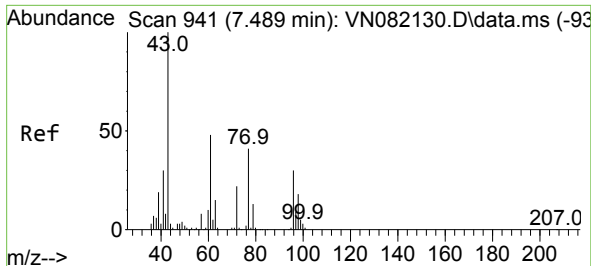
Tgt Ion: 43 Resp: 1136236
Ion Ratio Lower Upper
43 100
72 21.4 25.3 37.9#



#26
2,2-Dichloropropane
Concen: 29.275 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.059 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 77 Resp: 116645
Ion Ratio Lower Upper
77 100
97 0.0 11.3 33.9#

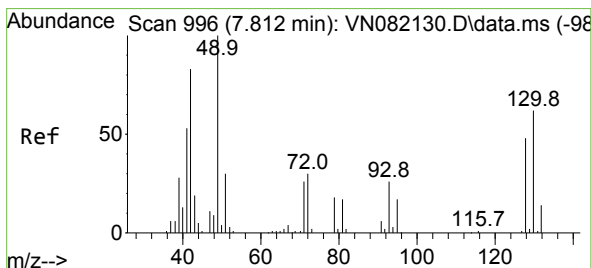
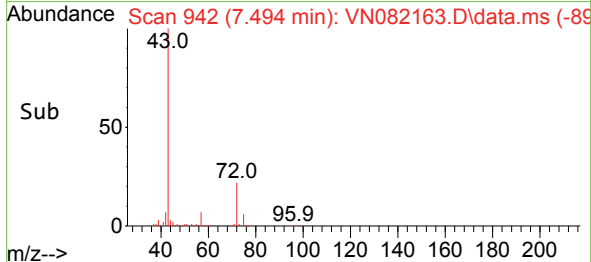
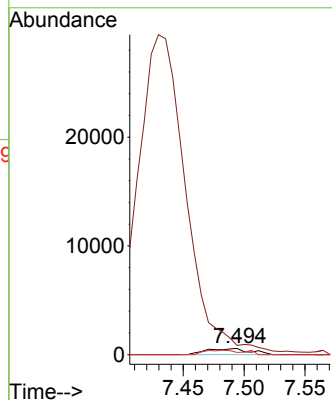
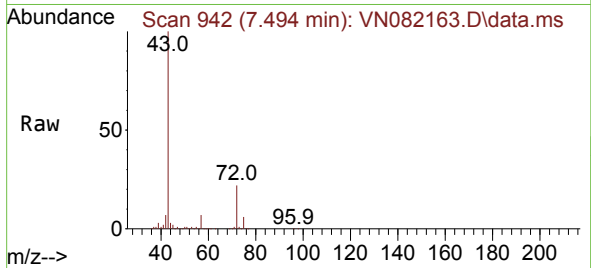




#27
 cis-1,2-Dichloroethene
 Concen: 0.528 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43

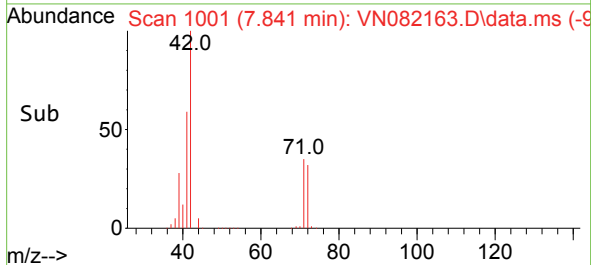
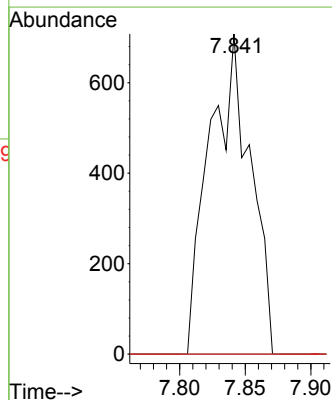
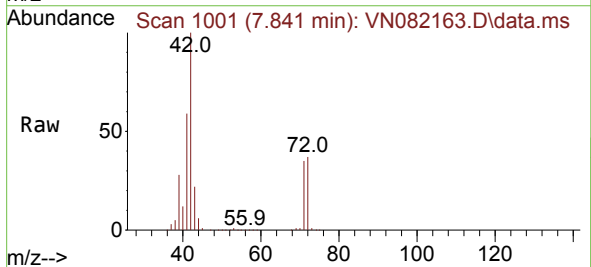
Instrument :
 MSVOA_N
 ClientSampleId :
 240515064-02-VOA

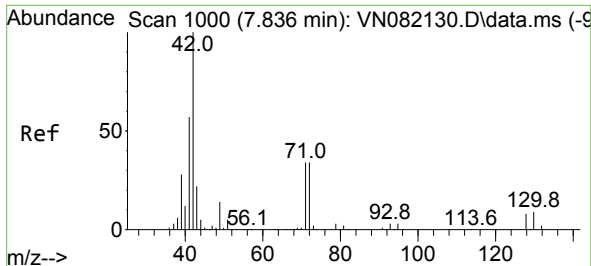
Tgt Ion: 96 Resp: 1403
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 268.0
 98 65.9 0.0 126.8



#28
 Bromochloromethane
 Concen: 0.694 ug/l
 RT: 7.841 min Scan# 1001
 Delta R.T. 0.029 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43

Tgt Ion: 49 Resp: 1538
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 0.0 66.7 100.1#





#29

Tetrahydrofuran

Concen: 670.604 ug/l

RT: 7.835 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN082163.D

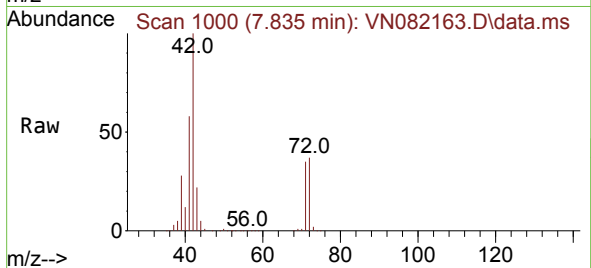
Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA



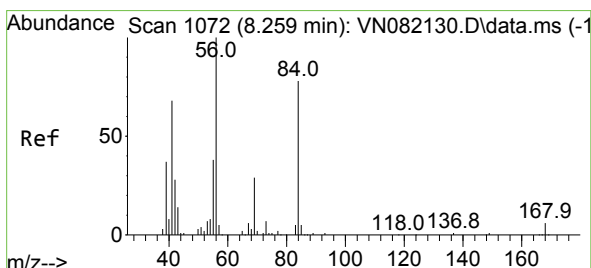
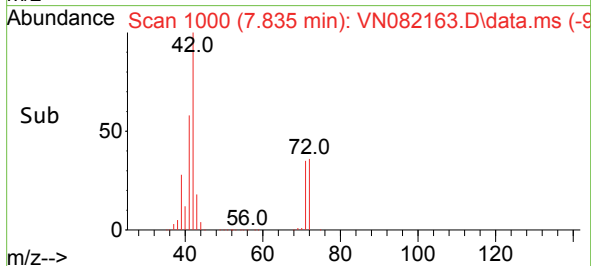
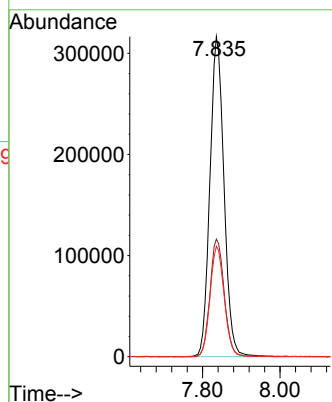
Tgt Ion: 42 Resp: 799301

Ion Ratio Lower Upper

42 100

72 37.2 39.3 58.9#

71 34.7 37.4 56.0#



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

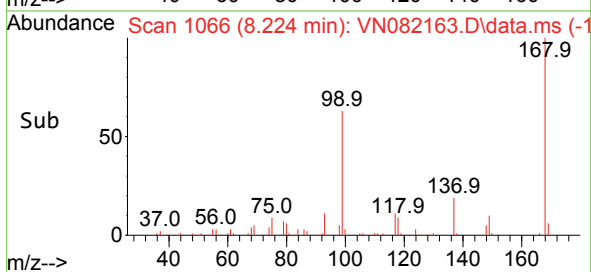
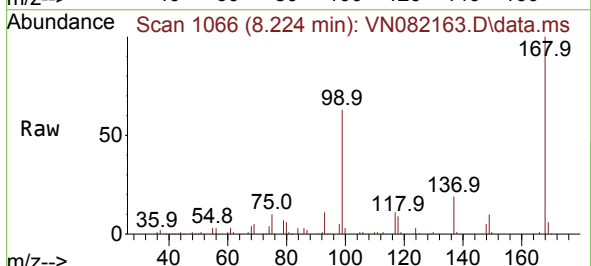
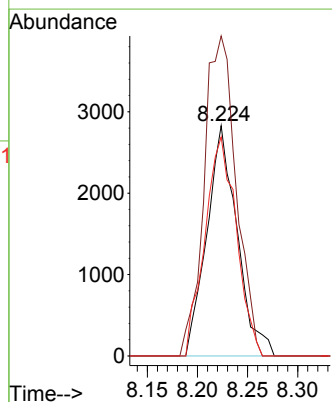
Tgt Ion: 56 Resp: 5944

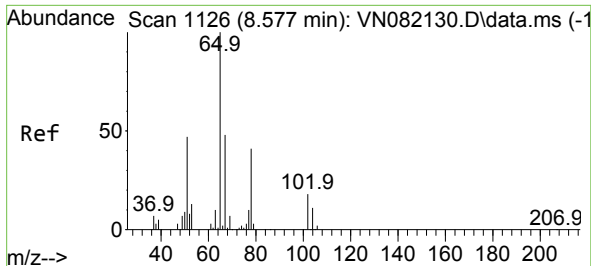
Ion Ratio Lower Upper

56 100

69 138.9 24.4 36.6#

84 95.1 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 50.767 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

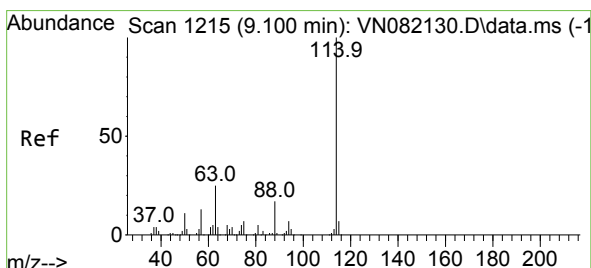
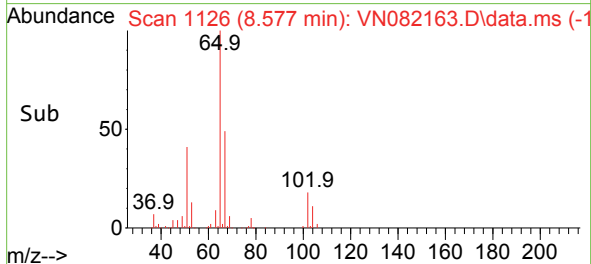
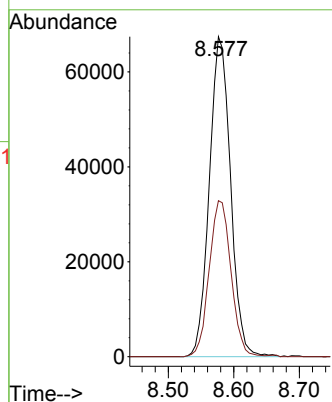
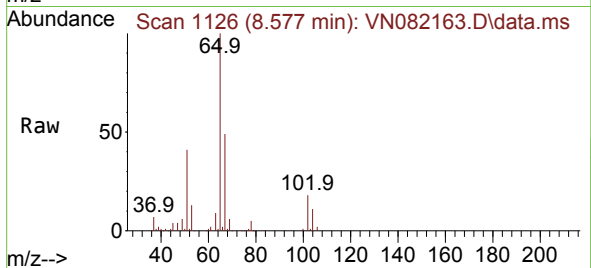
240515064-02-VOA

Tgt Ion: 65 Resp: 151530

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

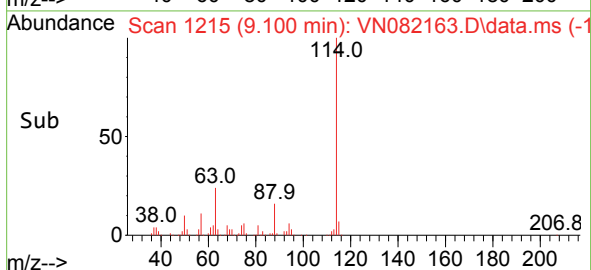
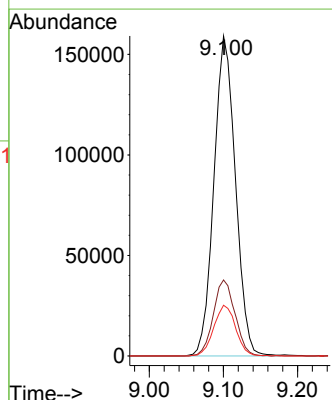
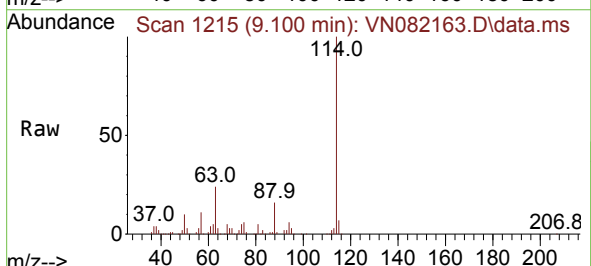
Tgt Ion: 114 Resp: 321222

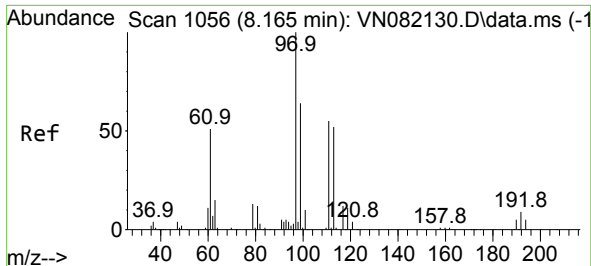
Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

88 15.8 0.0 31.4

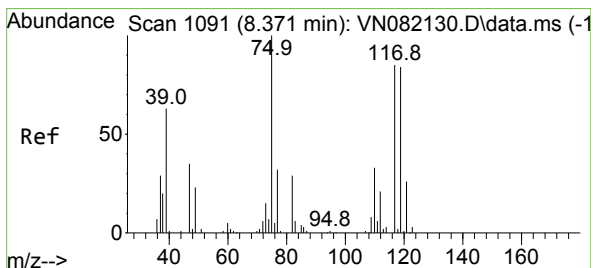
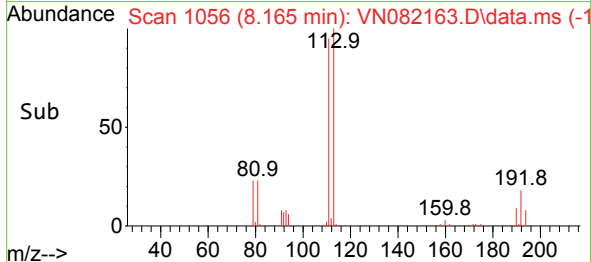
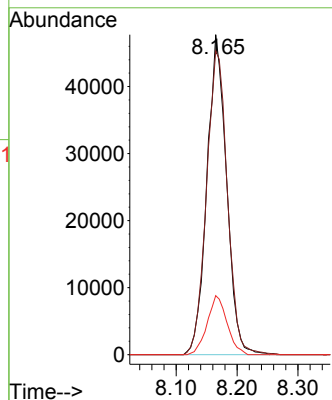
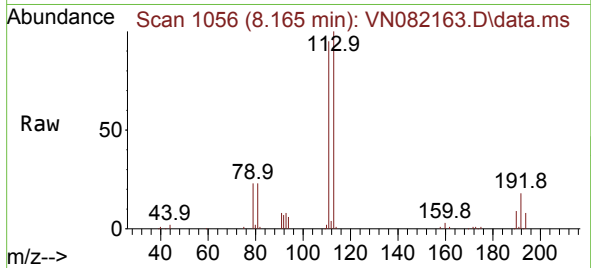




#35
 Dibromofluoromethane
 Concen: 54.162 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43

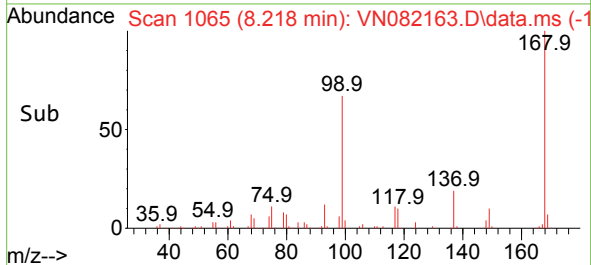
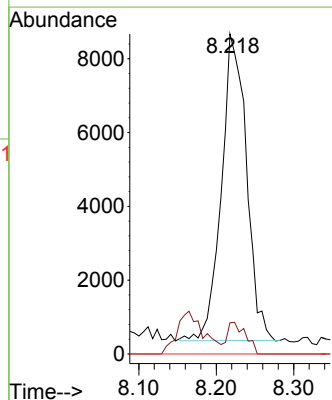
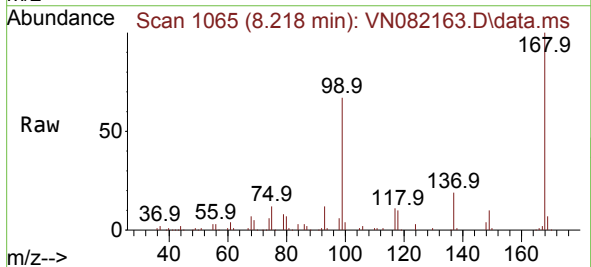
Instrument :
 MSVOA_N
 ClientSampleId :
 240515064-02-VOA

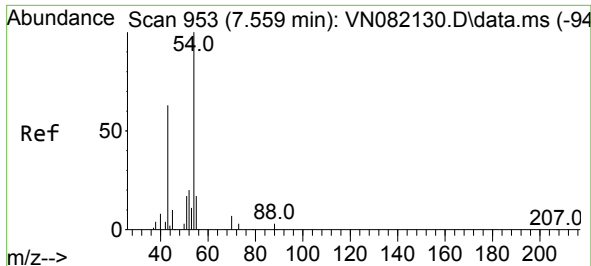
Tgt Ion:113 Resp: 107025
 Ion Ratio Lower Upper
 113 100
 111 100.7 83.4 125.2
 192 18.7 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.632 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.153 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43

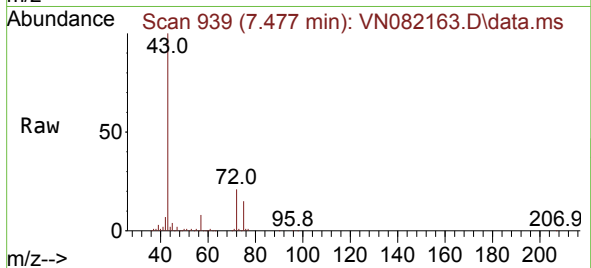
Tgt Ion: 75 Resp: 18664
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.5#
 77 0.0 25.0 37.4#



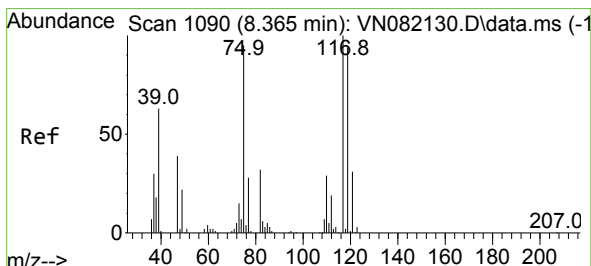
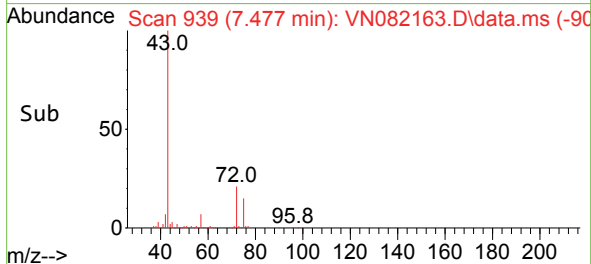
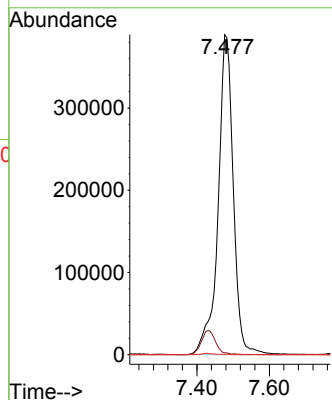


#37
Ethyl Acetate
Concen: 306.357 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.082 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

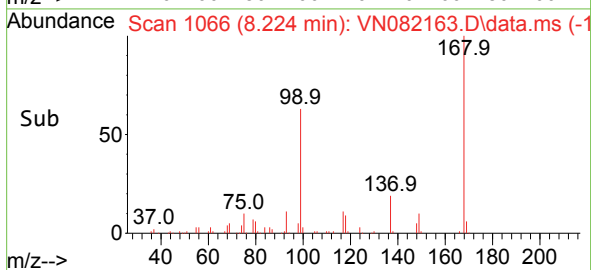
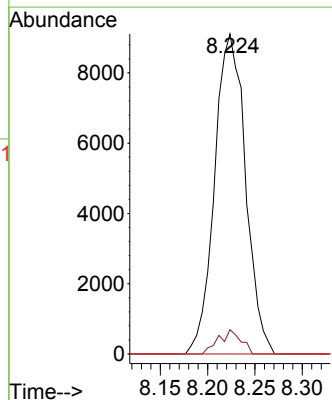
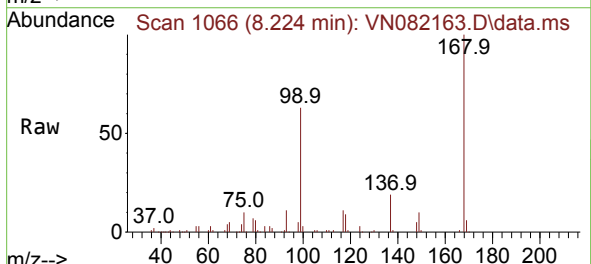


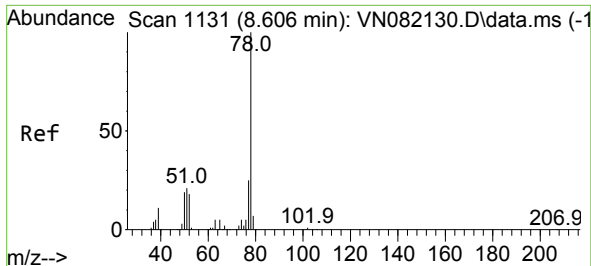
Tgt Ion: 43 Resp: 1136236
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.156 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 117 Resp: 20682
Ion Ratio Lower Upper
117 100
119 7.6 76.5 114.7#
121 0.0 23.9 35.9#

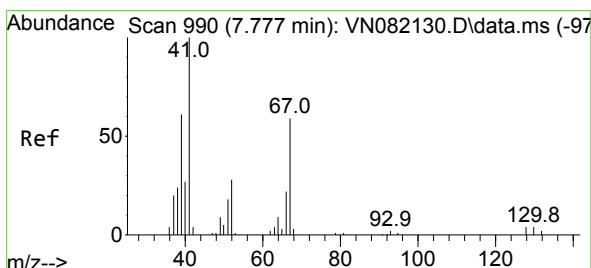
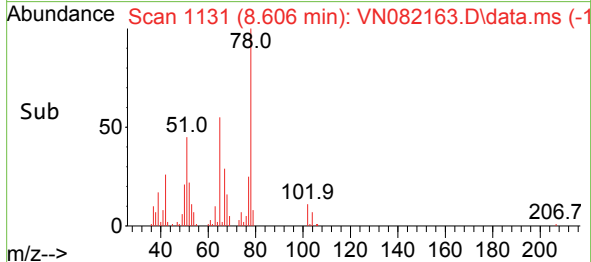
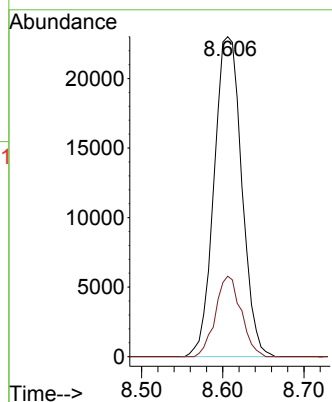
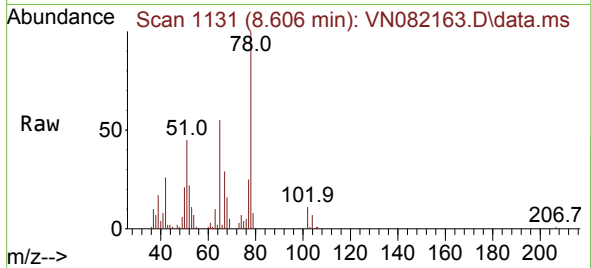




#40
Benzene
Concen: 5.513 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

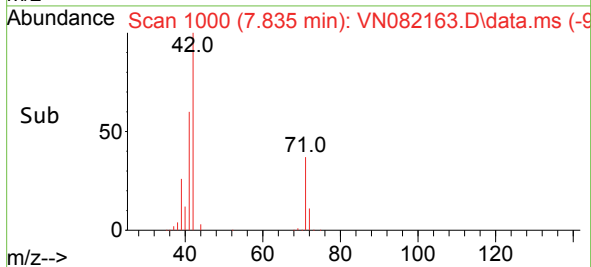
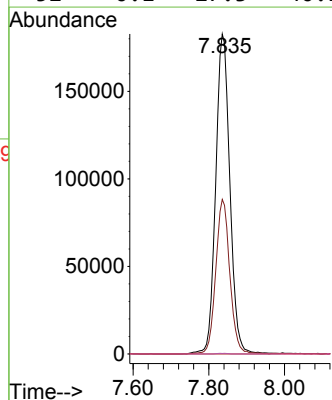
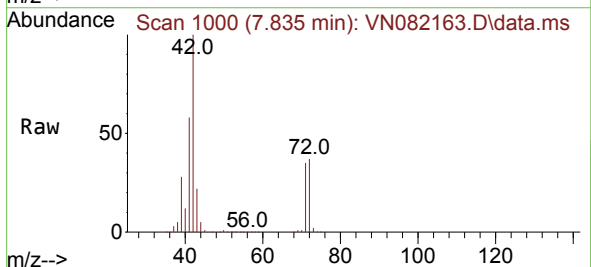
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

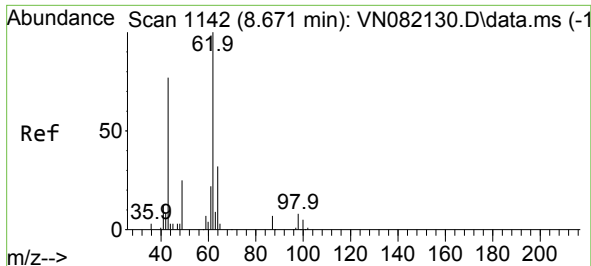
Tgt Ion: 78 Resp: 54484
Ion Ratio Lower Upper
78 100
77 25.2 20.0 30.0



#41
Methacrylonitrile
Concen: 217.548 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.059 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 41 Resp: 474522
Ion Ratio Lower Upper
41 100
39 48.0 46.6 69.8
67 0.0 67.3 100.9#
52 0.1 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.724 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

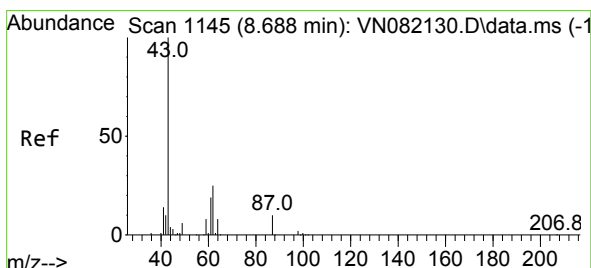
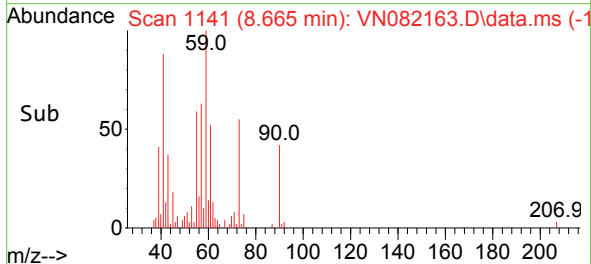
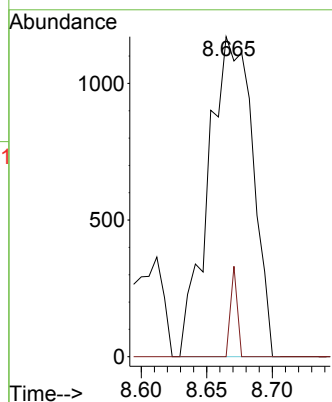
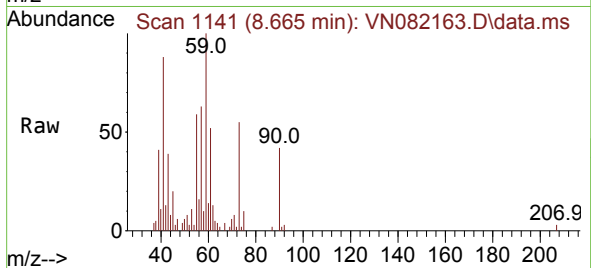
240515064-02-VOA

Tgt Ion: 62 Resp: 2751

Ion Ratio Lower Upper

62 100

98 4.3 0.0 19.6



#43

Isopropyl Acetate

Concen: 1.948 ug/l

RT: 8.653 min Scan# 1139

Delta R.T. -0.035 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

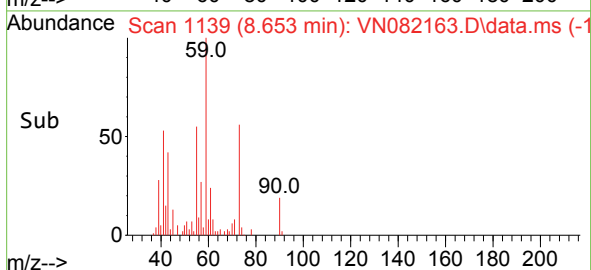
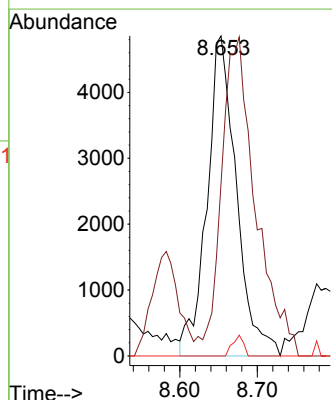
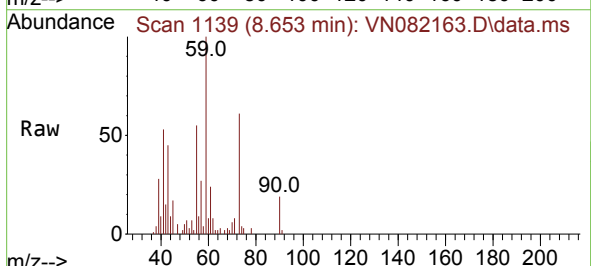
Tgt Ion: 43 Resp: 12800

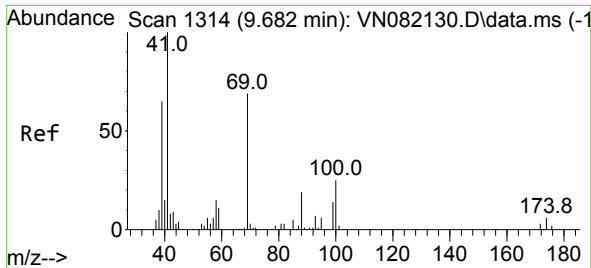
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

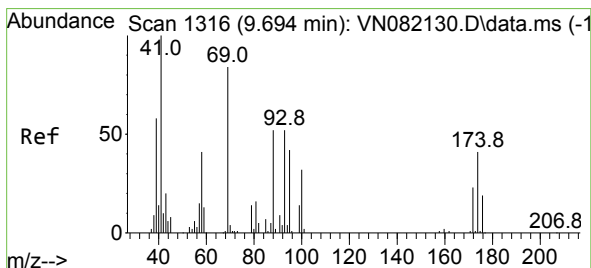
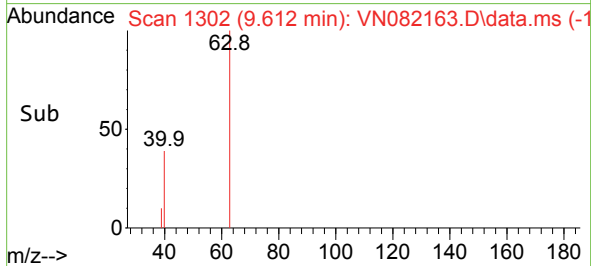
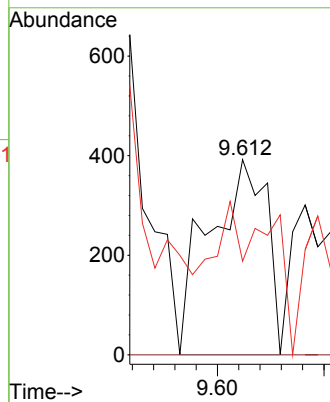
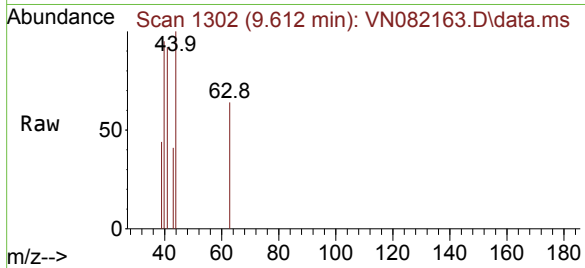




#48
Methyl methacrylate
Concen: 0.234 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. -0.071 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

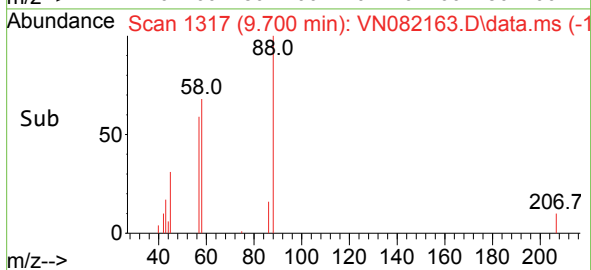
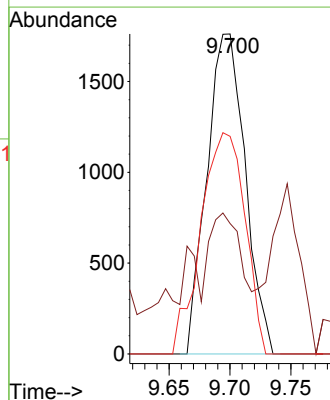
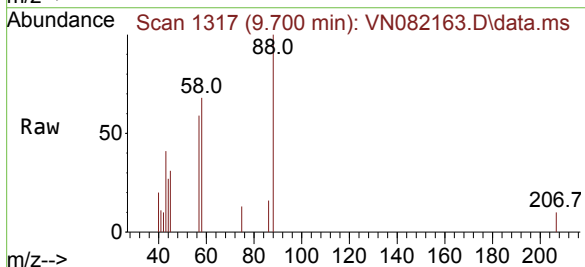
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

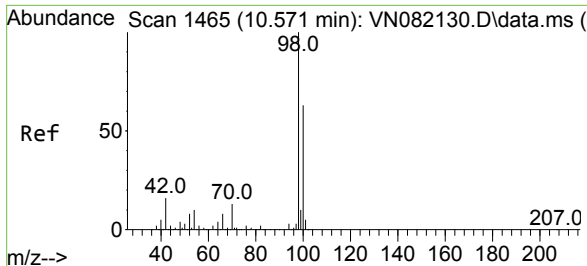
Tgt Ion: 41 Resp: 734
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 0.0 50.9 76.3#



#49
1,4-Dioxane
Concen: 87.920 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 88 Resp: 3858
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 79.4 50.6 76.0#

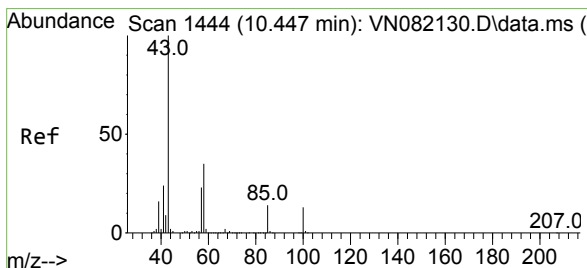
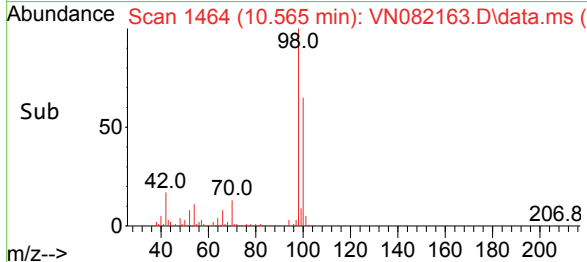
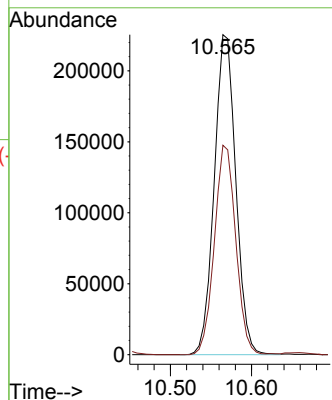
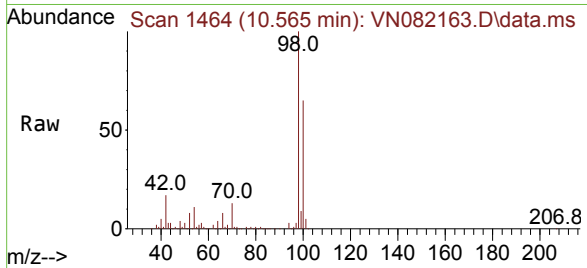




#50
Toluene-d8
Concen: 54.924 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

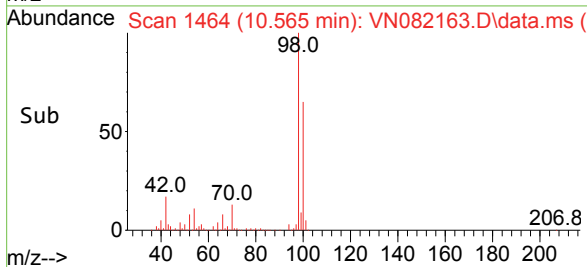
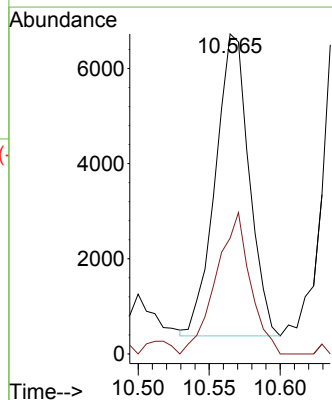
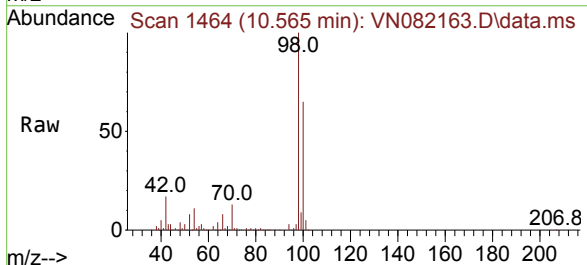
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

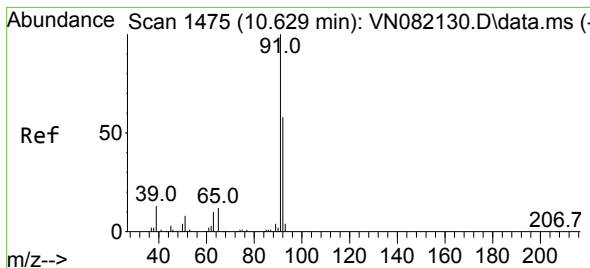
Tgt Ion: 98 Resp: 416095
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.810 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 43 Resp: 10493
Ion Ratio Lower Upper
43 100
58 47.4 33.2 49.8





#52

Toluene

Concen: 7.111 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN082163.D

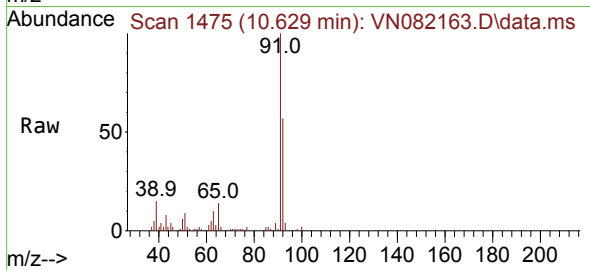
Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA

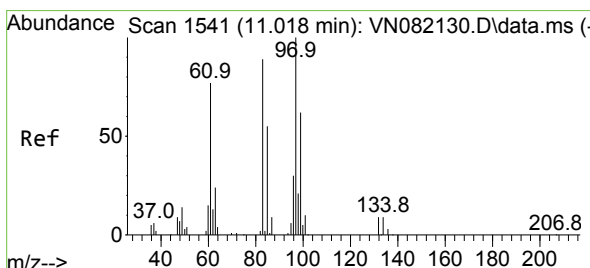
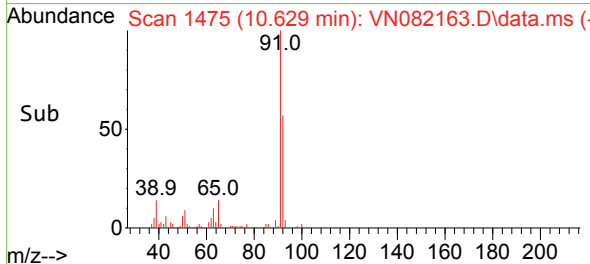
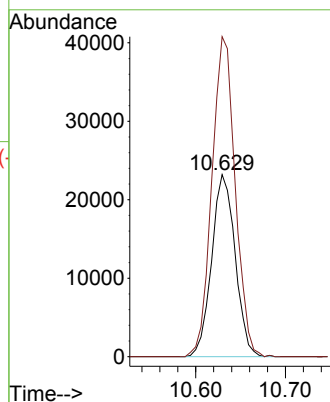


Tgt Ion: 92 Resp: 42175

Ion Ratio Lower Upper

92 100

91 174.3 136.7 205.1



#55

1,1,2-Trichloroethane

Concen: 0.550 ug/l

RT: 10.923 min Scan# 1525

Delta R.T. -0.094 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Tgt Ion: 97 Resp: 1185

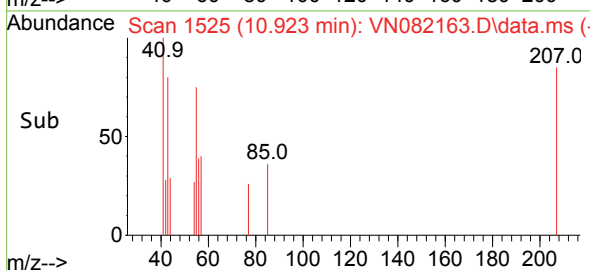
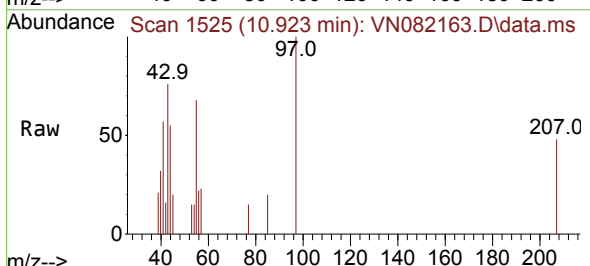
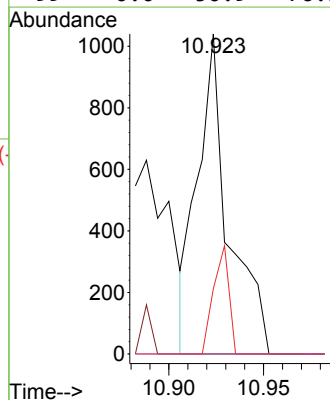
Ion Ratio Lower Upper

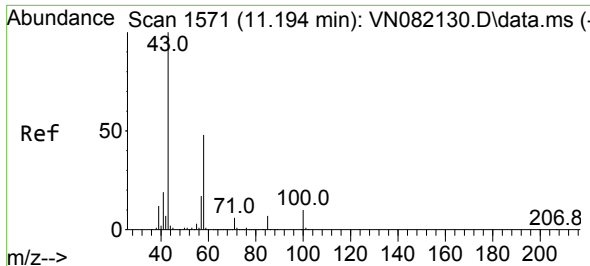
97 100

83 0.0 70.4 105.6#

85 20.4 45.6 68.4#

99 0.0 50.9 76.3#

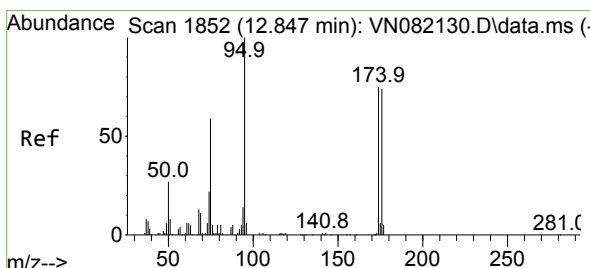
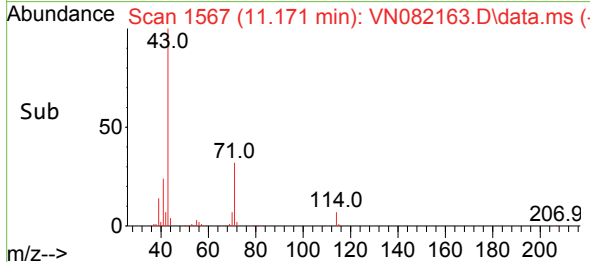
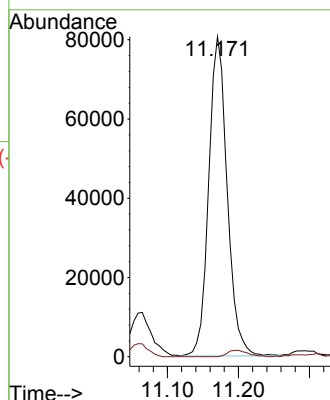
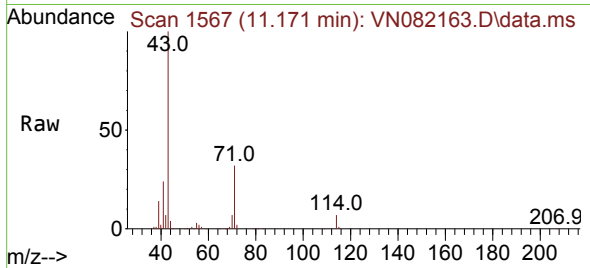




#59
2-Hexanone
Concen: 53.323 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

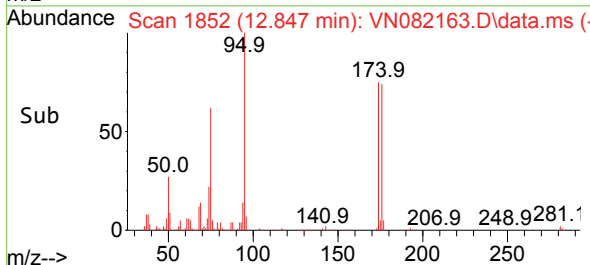
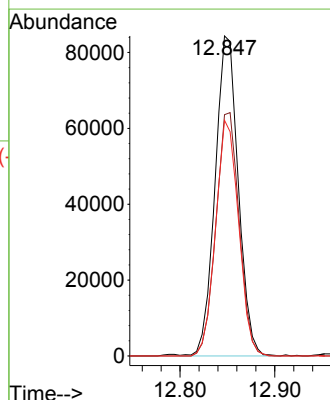
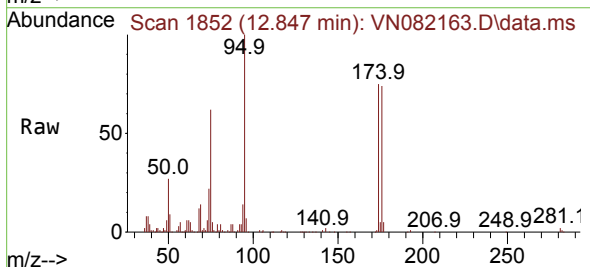
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

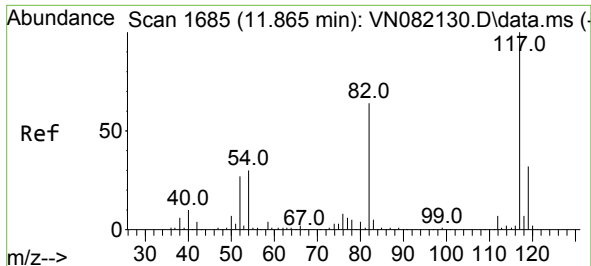
Tgt Ion: 43 Resp: 145785
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.010 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 95 Resp: 143339
Ion Ratio Lower Upper
95 100
174 76.1 0.0 160.6
176 73.2 0.0 152.8

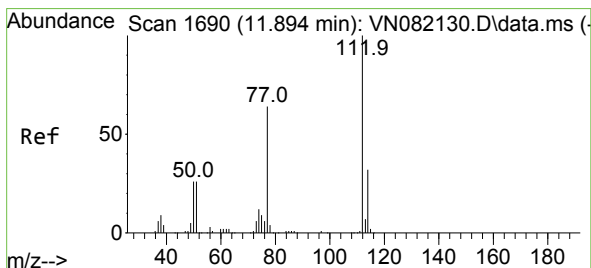
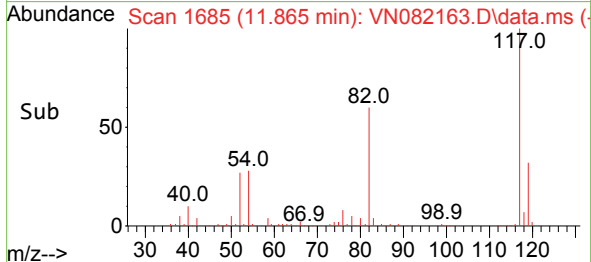
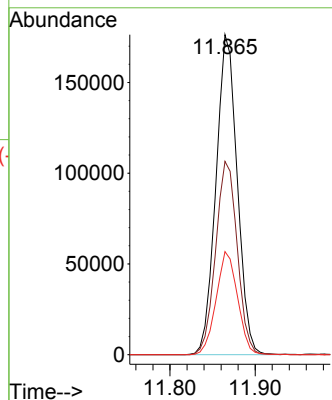
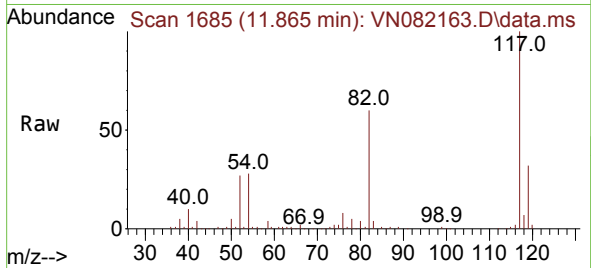




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

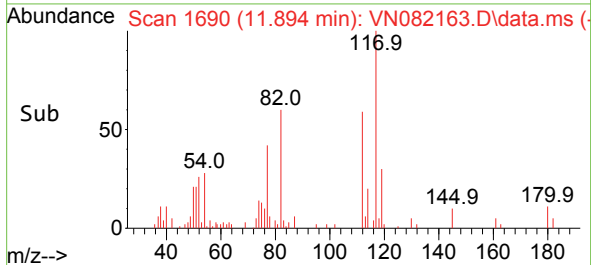
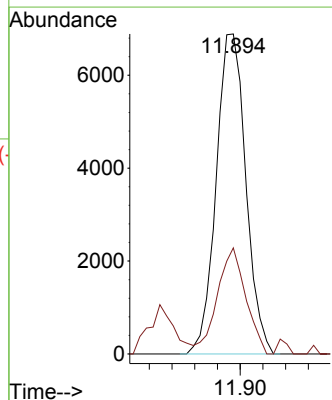
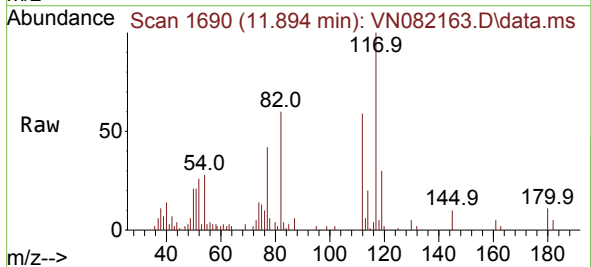
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

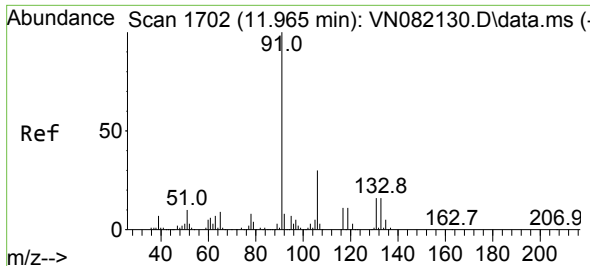
Tgt Ion:117 Resp: 306467
Ion Ratio Lower Upper
117 100
82 60.4 44.6 66.8
119 32.2 25.9 38.9



#65
Chlorobenzene
Concen: 1.843 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion:112 Resp: 12475
Ion Ratio Lower Upper
112 100
114 28.8 25.7 38.5

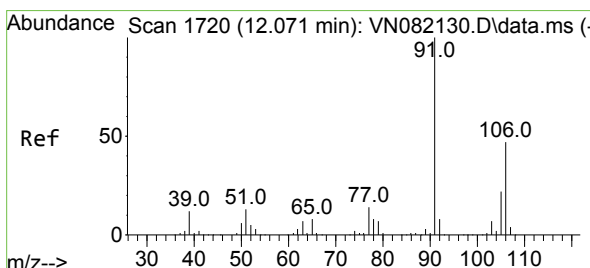
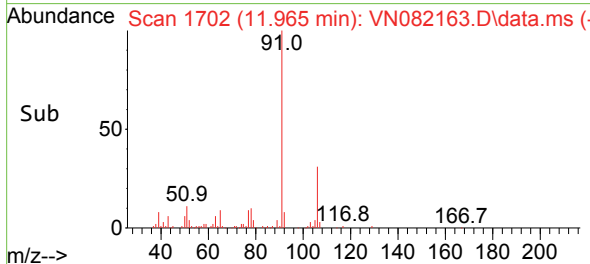
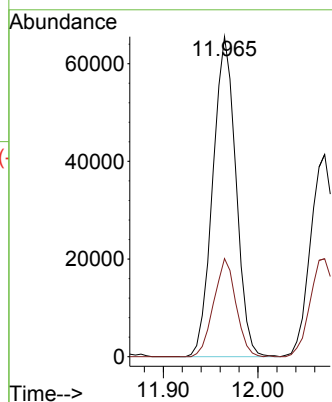
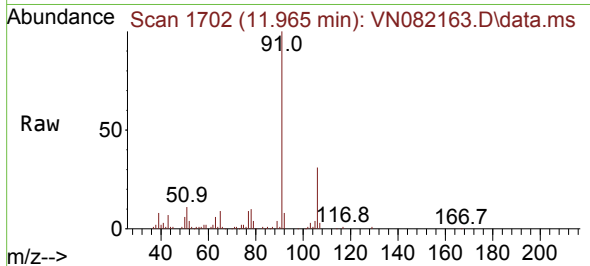




#67
Ethyl Benzene
Concen: 9.182 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

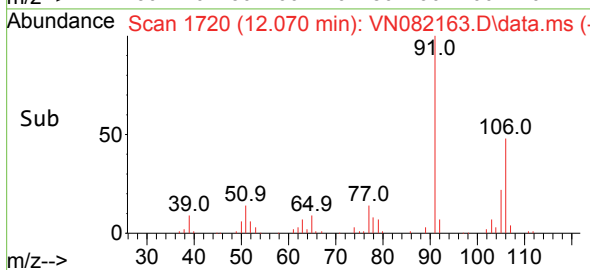
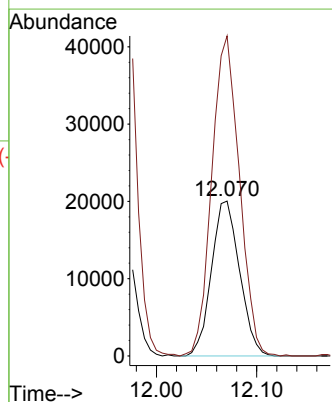
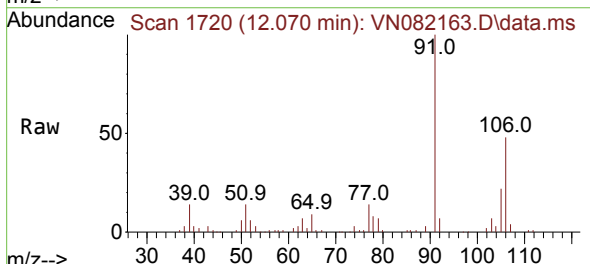
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

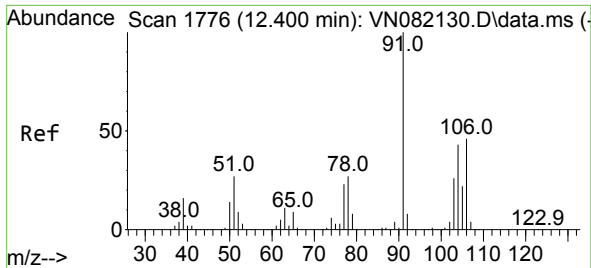
Tgt Ion: 91 Resp: 111205
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9



#68
m/p-Xylenes
Concen: 8.795 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion:106 Resp: 39038
Ion Ratio Lower Upper
106 100
91 202.8 159.4 239.0

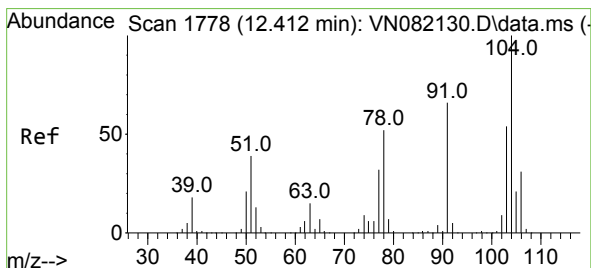
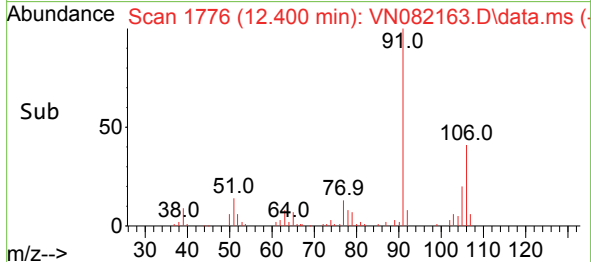
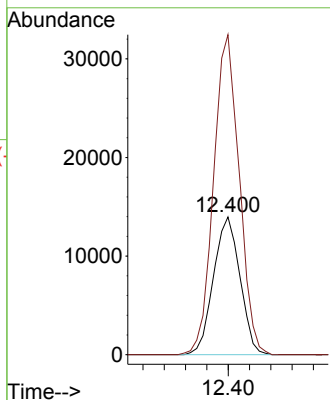
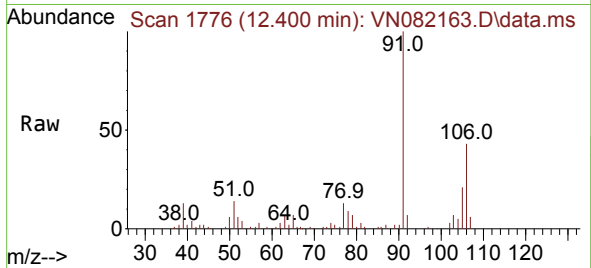




#69
o-Xylene
Concen: 5.598 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

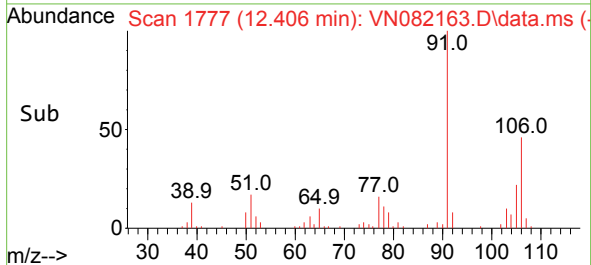
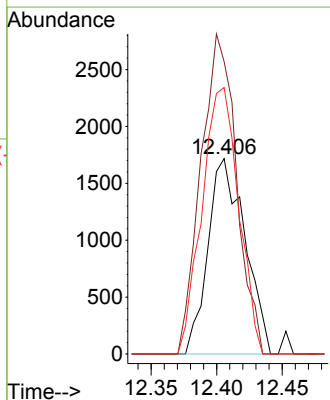
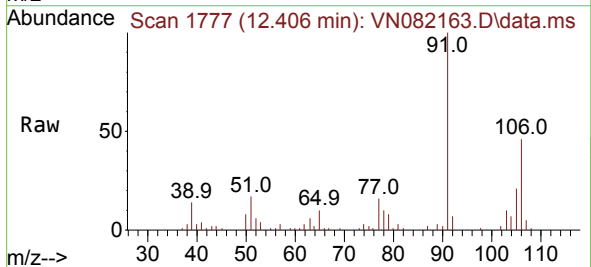
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

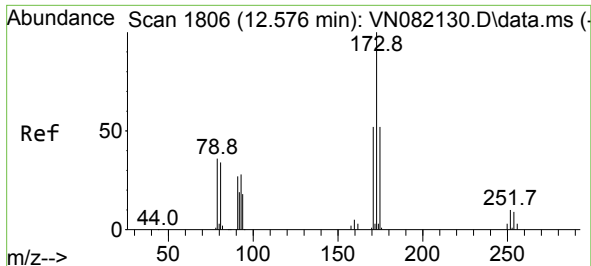
Tgt Ion:106 Resp: 24071
Ion Ratio Lower Upper
106 100
91 225.3 104.7 314.1



#70
Styrene
Concen: 0.472 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion:104 Resp: 3374
Ion Ratio Lower Upper
104 100
78 157.3 38.6 58.0#
103 134.8 43.8 65.6#

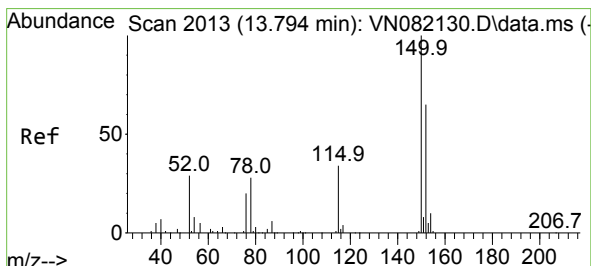
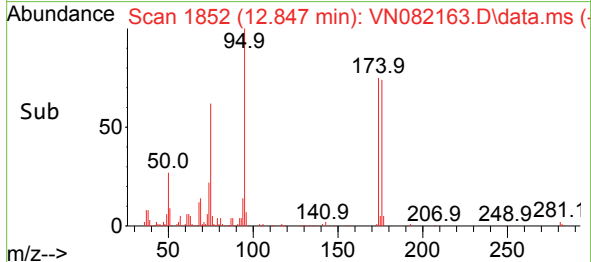
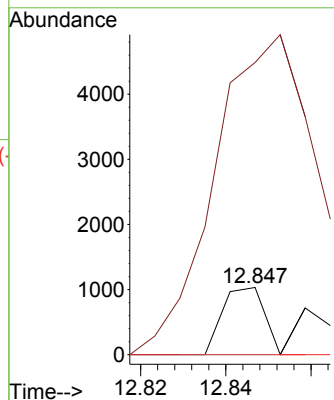
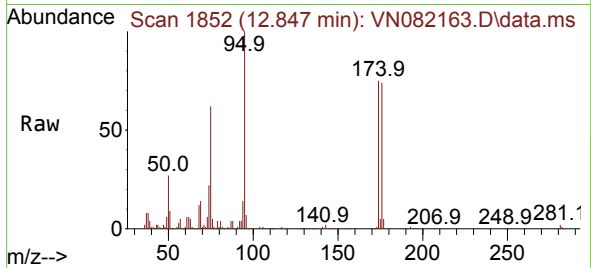




#71
Bromoform
Concen: 0.441 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

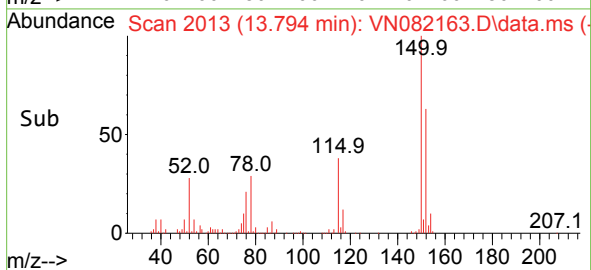
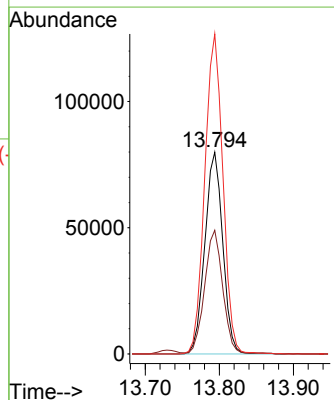
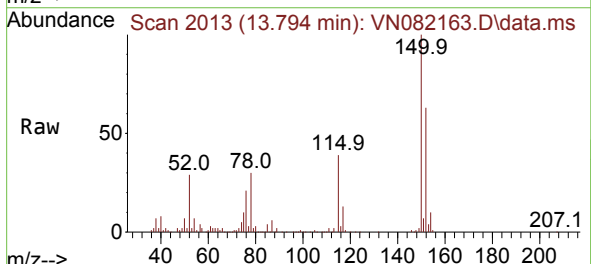
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

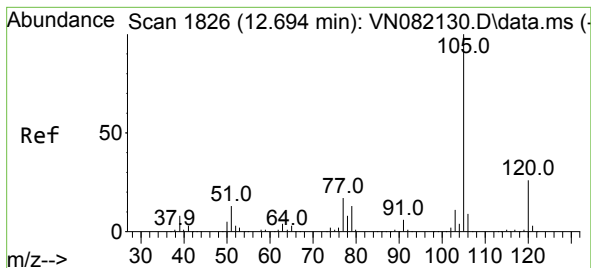
Tgt Ion:173 Resp: 706
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion:152 Resp: 134364
Ion Ratio Lower Upper
152 100
115 61.1 30.4 91.3
150 160.1 0.0 353.2





#73

Isopropylbenzene

Concen: 1.507 ug/l

RT: 12.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

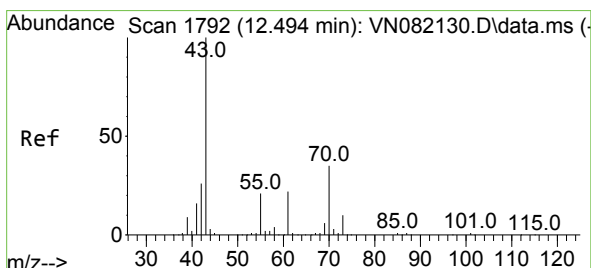
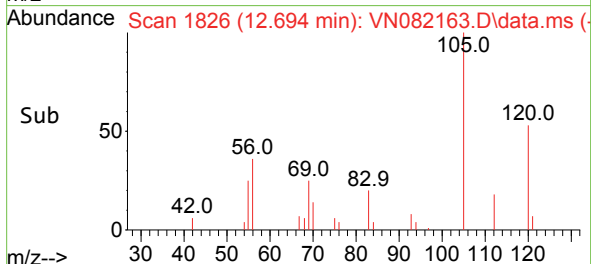
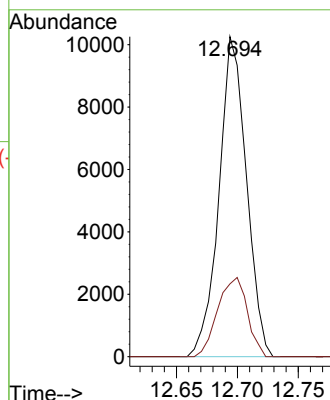
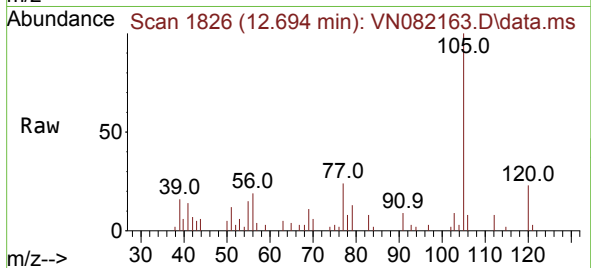
240515064-02-VOA

Tgt Ion:105 Resp: 16086

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



#74

N-ethyl acetate

Concen: 2.495 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Tgt Ion: 43 Resp: 14651

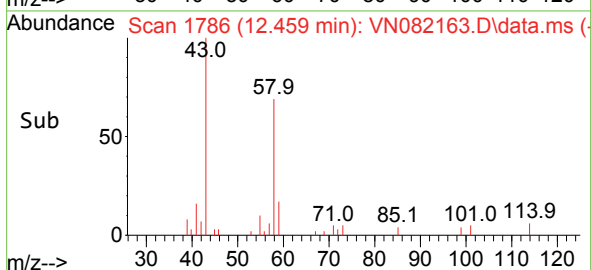
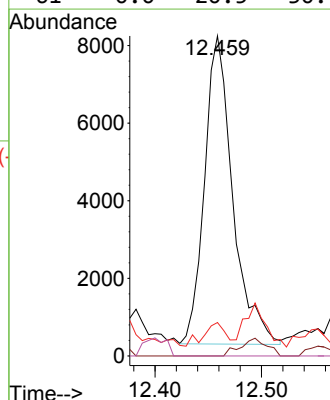
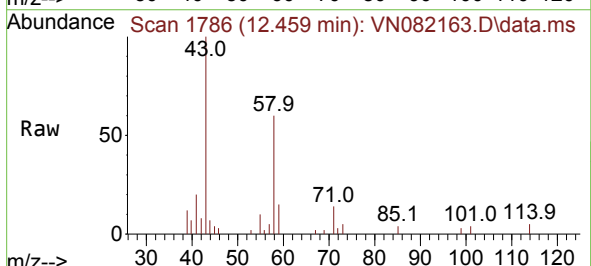
Ion Ratio Lower Upper

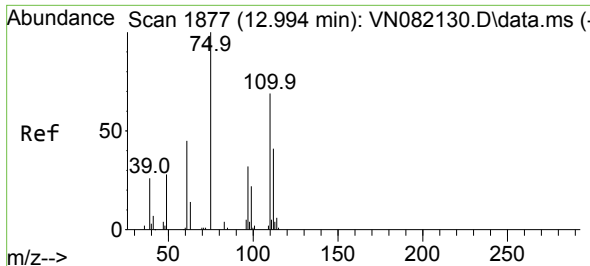
43 100

70 0.0 39.0 58.4#

55 7.7 21.3 31.9#

61 0.0 20.5 30.7#

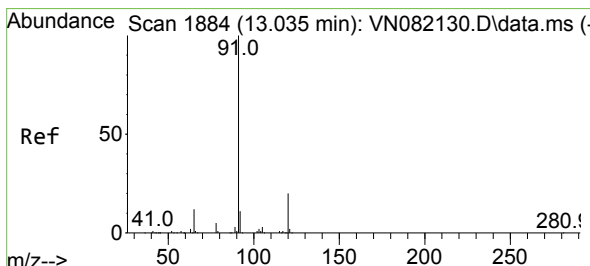
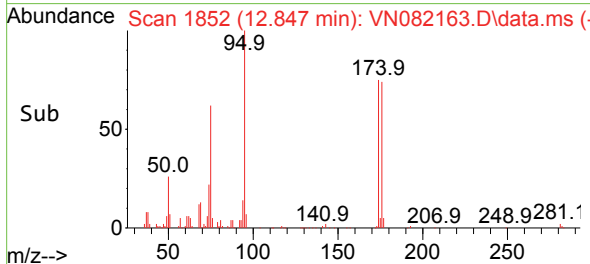
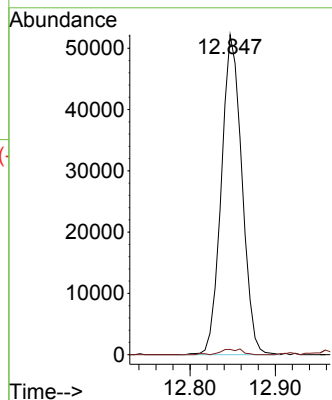
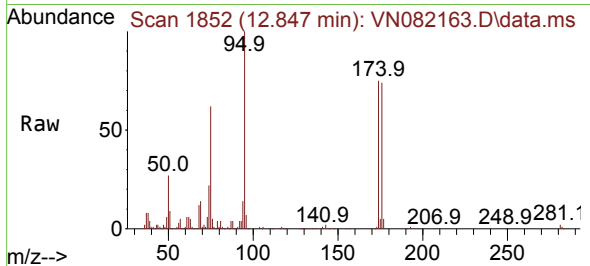




#76
1,2,3-Trichloropropane
Concen: 30.950 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

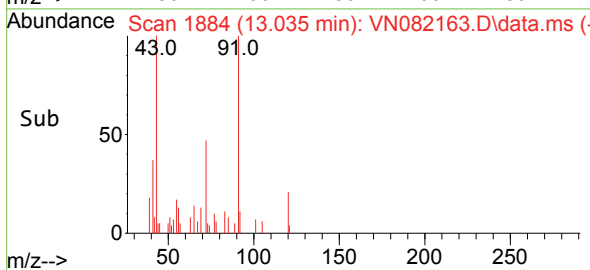
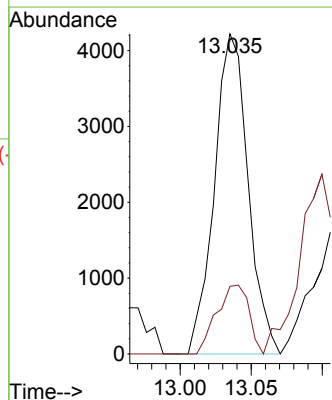
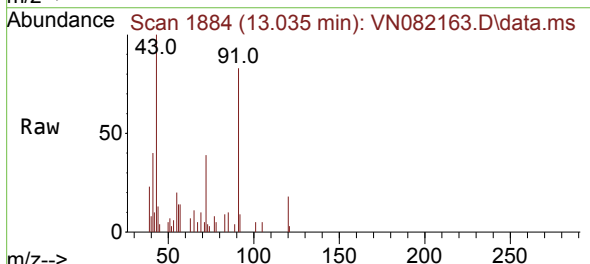
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

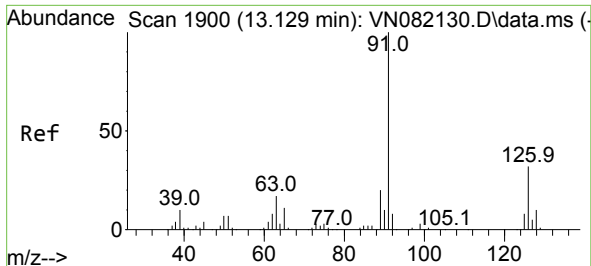
Tgt Ion: 75 Resp: 87527
Ion Ratio Lower Upper
75 100
77 1.7 90.5 271.3#



#78
n-propylbenzene
Concen: 0.551 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 91 Resp: 6962
Ion Ratio Lower Upper
91 100
120 20.5 11.7 35.0

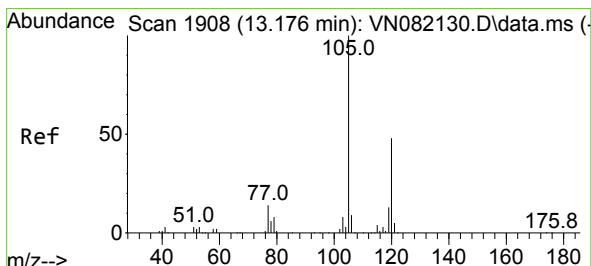
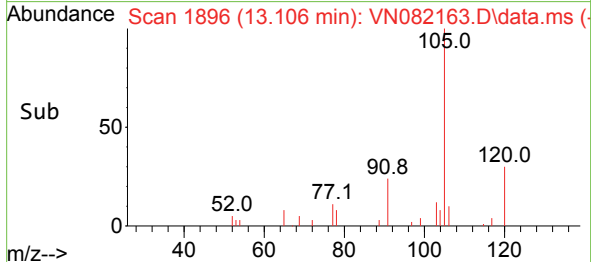
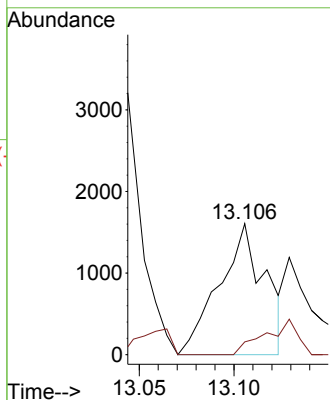
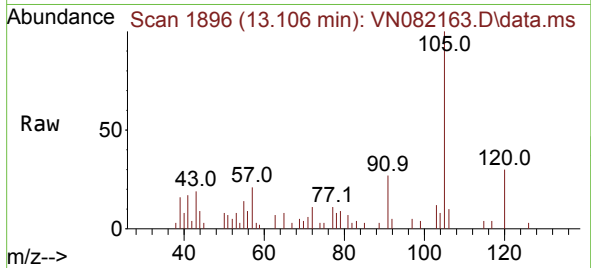




#79
2-Chlorotoluene
Concen: 0.340 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.024 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

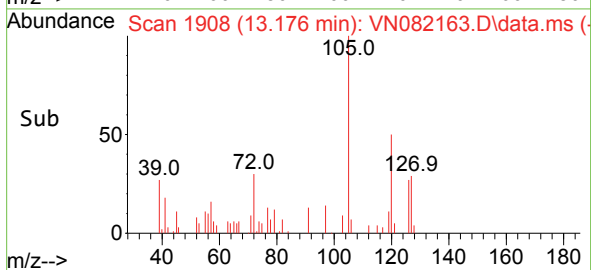
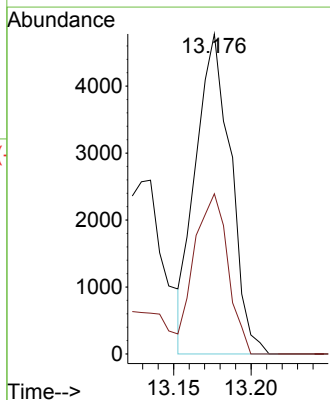
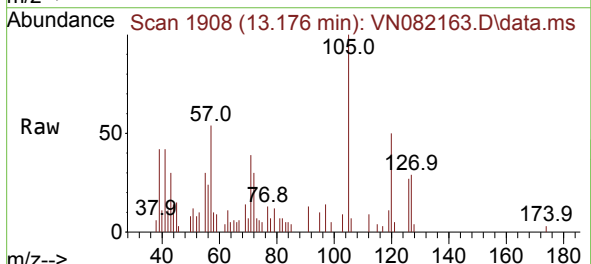
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

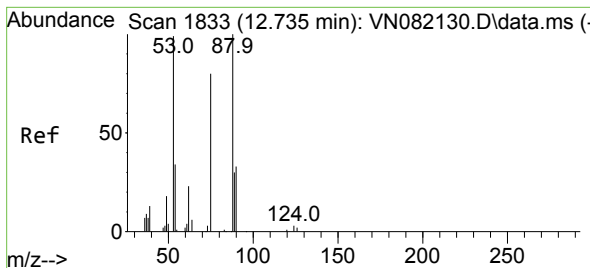
Tgt Ion: 91 Resp: 2698
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.870 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 105 Resp: 7513
Ion Ratio Lower Upper
105 100
120 47.8 24.8 74.3

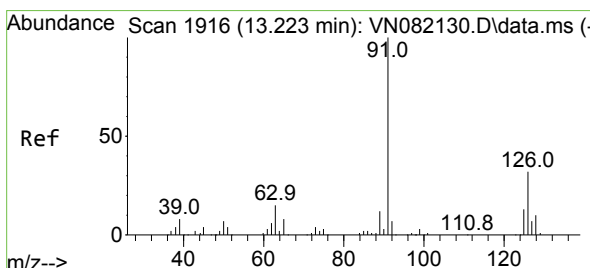
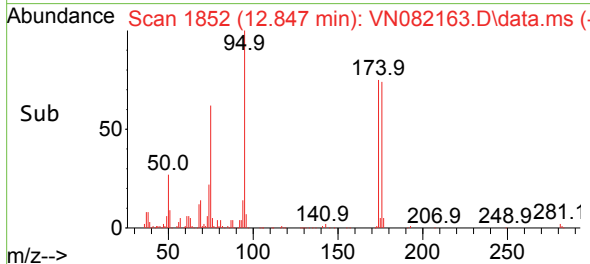
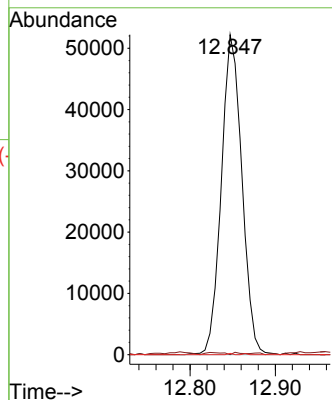
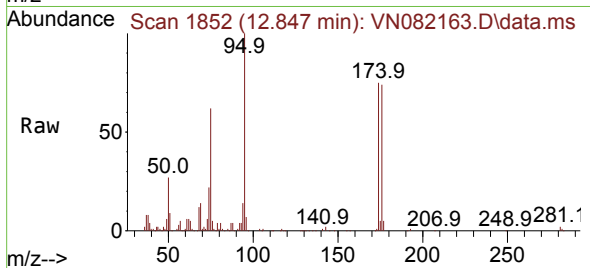




#81
trans-1,4-Dichloro-2-butene
Concen: 72.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

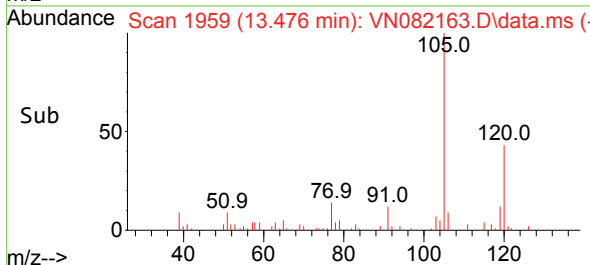
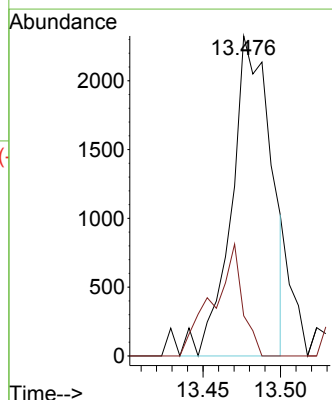
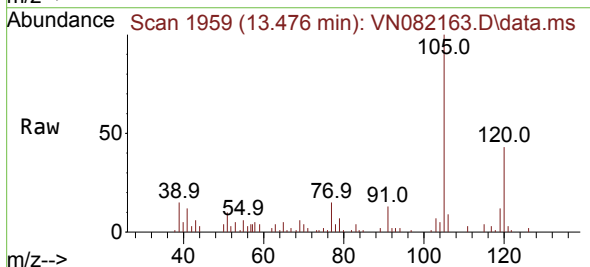
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

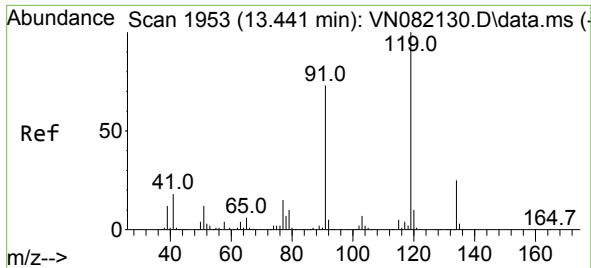
Tgt Ion: 75 Resp: 87527
Ion Ratio Lower Upper
75 100
53 0.3 72.9 109.3#
89 0.1 39.1 58.7#



#82
4-Chlorotoluene
Concen: 0.533 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.253 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 91 Resp: 4139
Ion Ratio Lower Upper
91 100
126 26.0 17.4 52.3

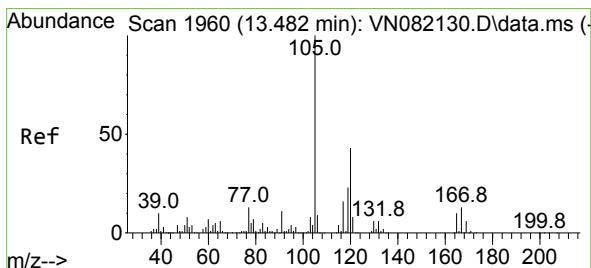
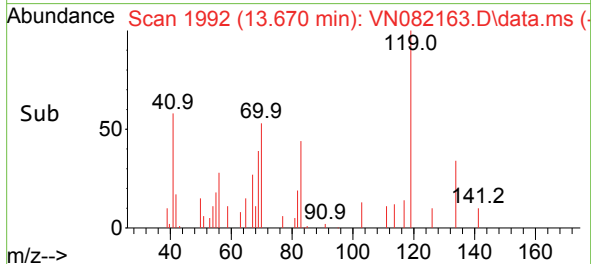
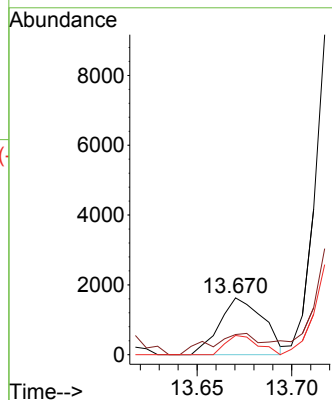
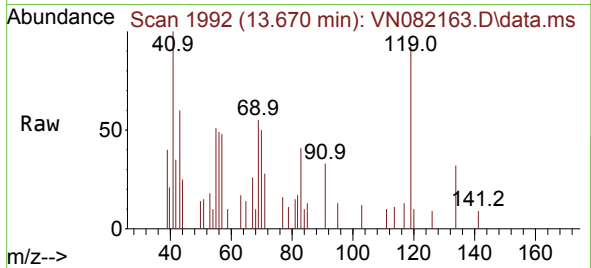




#83
tert-Butylbenzene
Concen: 0.345 ug/l
RT: 13.670 min Scan# 1992
Delta R.T. 0.229 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

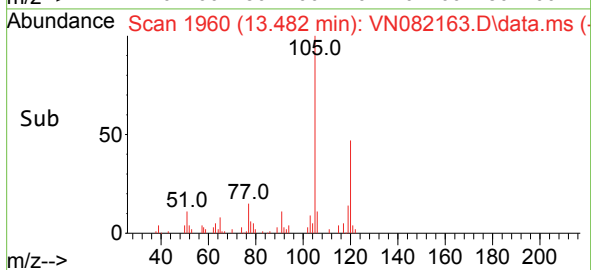
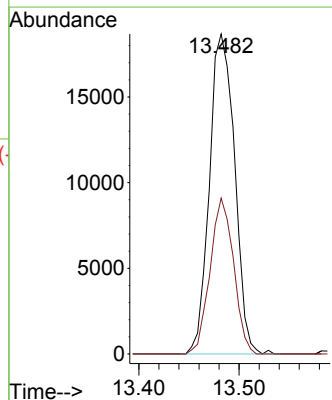
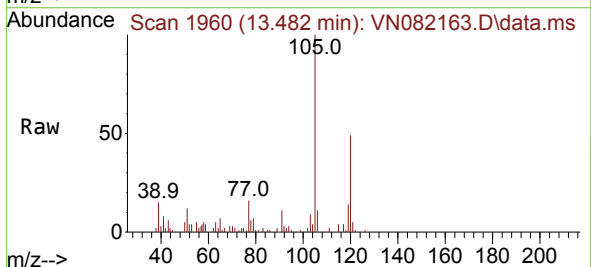
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

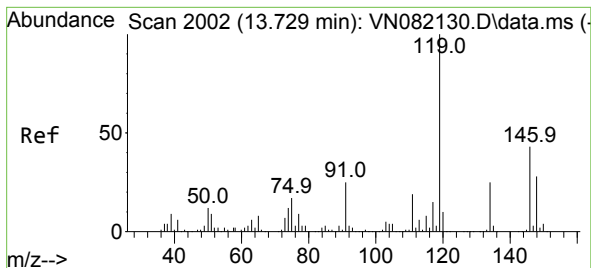
Tgt Ion:	119	Resp:	2606
Ion Ratio	Lower	Upper	
119	100		
91	43.1	32.6	97.8
134	24.9	12.4	37.0



#84
1,2,4-Trimethylbenzene
Concen: 3.687 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion:	105	Resp:	32554
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.9	68.7





#86

p-Isopropyltoluene

Concen: 3.509 ug/l

RT: 13.735 min Scan# 2016

Delta R.T. 0.006 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA

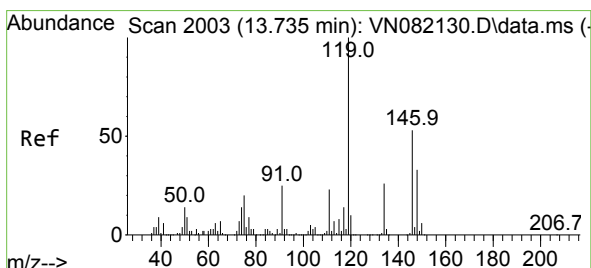
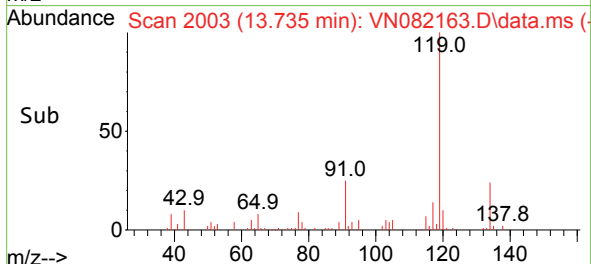
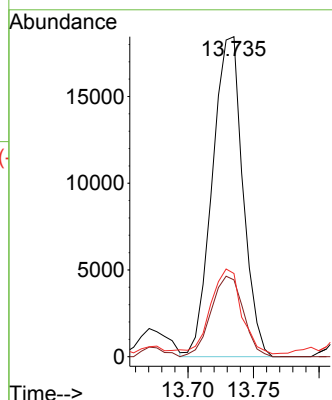
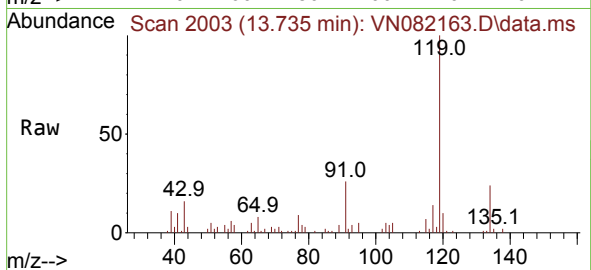
Tgt Ion:119 Resp: 29848

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 26.3 11.8 35.3



#87

1,3-Dichlorobenzene

Concen: 3.127 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.076 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

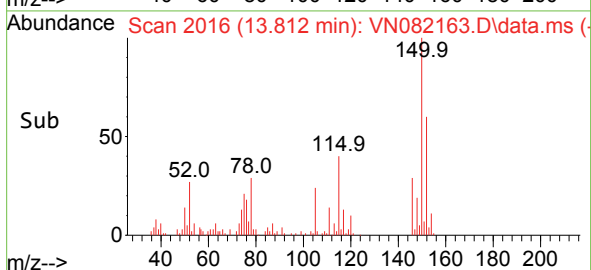
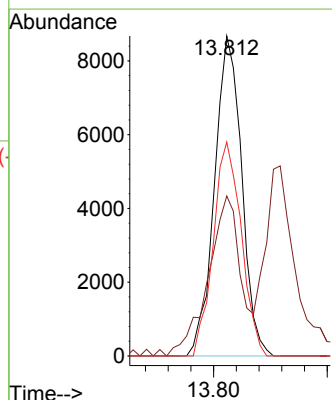
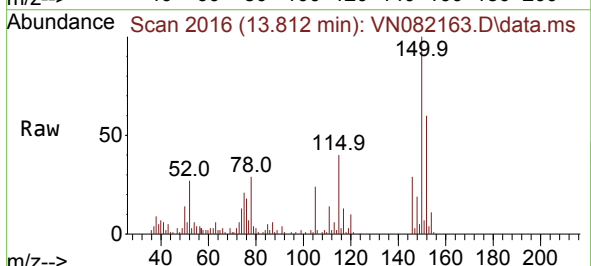
Tgt Ion:146 Resp: 14411

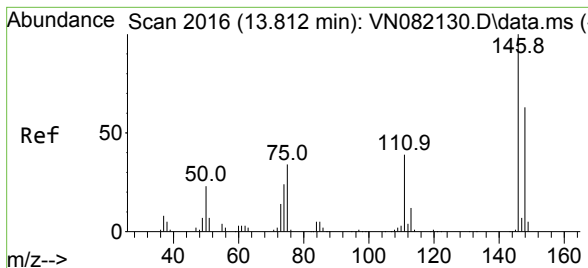
Ion Ratio Lower Upper

146 100

111 60.4 20.8 62.5

148 69.0 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 3.064 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA

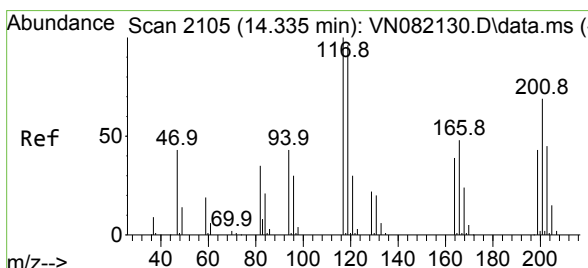
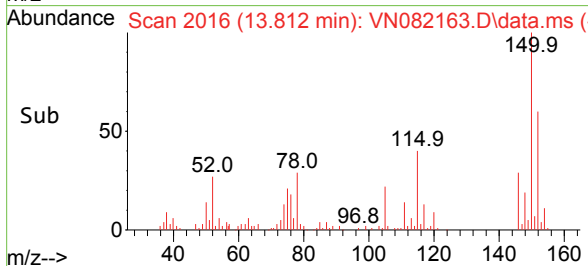
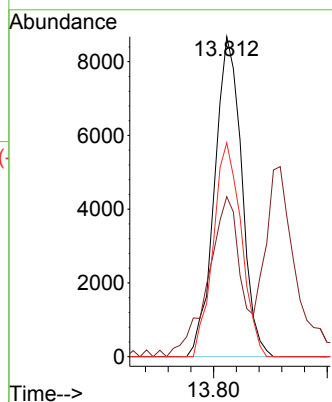
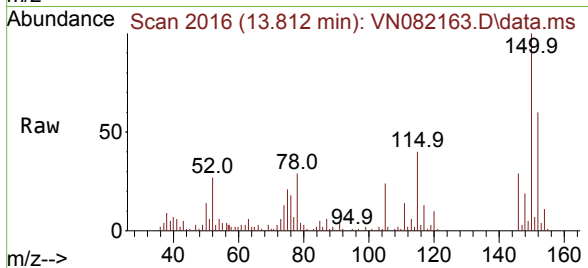
Tgt Ion:146 Resp: 14411

Ion Ratio Lower Upper

146 100

111 60.4 19.3 57.9#

148 69.0 31.3 93.9



#90

Hexachloroethane

Concen: 0.272 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN082163.D

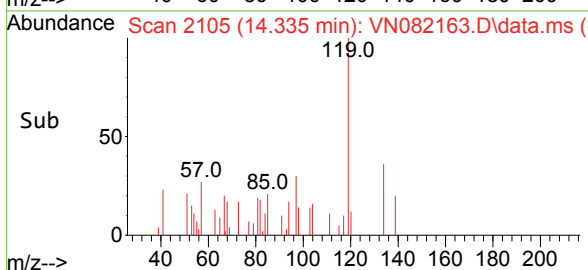
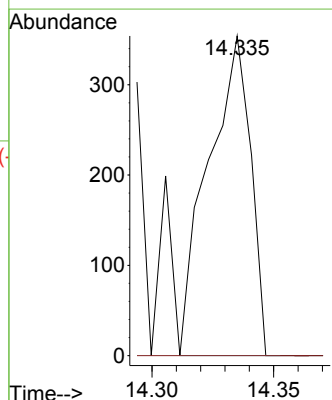
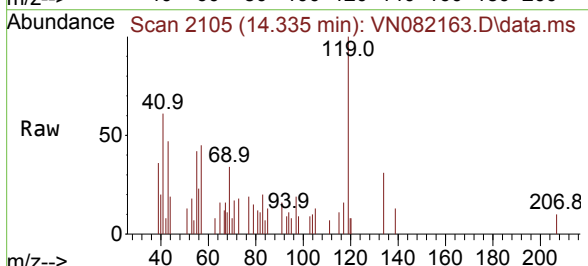
Acq: 16 May 2024 15:43

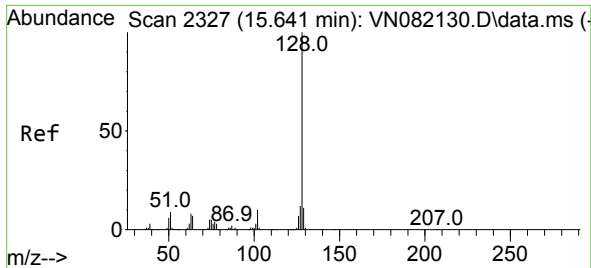
Tgt Ion:117 Resp: 428

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#





#95

Naphthalene

Concen: 43.293 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN082163.D

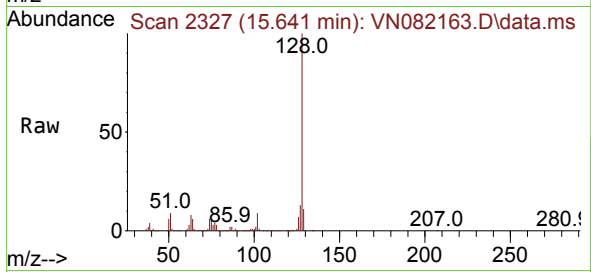
Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA



Tgt Ion:128 Resp: 331767

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

129 11.1 8.9 13.3

