

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082648.D
 Acq On : 19 Jun 2024 18:04
 Operator : JC\MD
 Sample : P2930-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

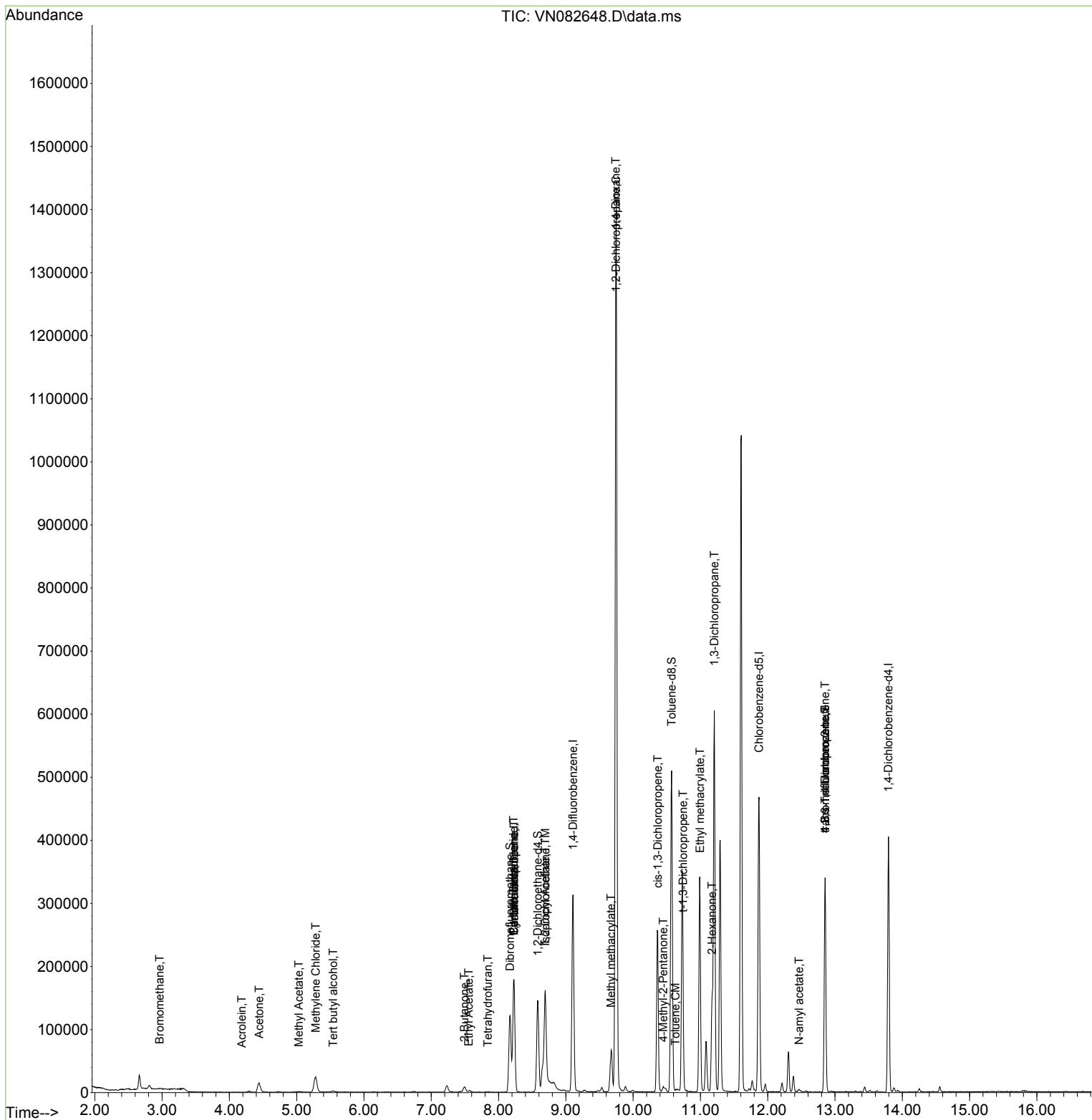
Quant Time: Jun 20 03:04:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

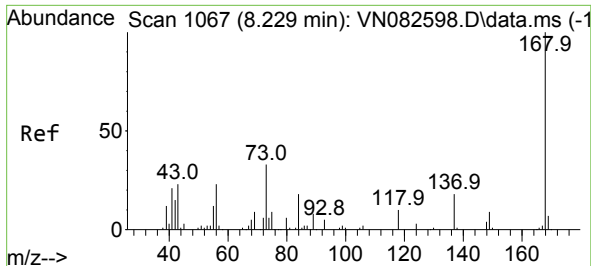
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	126132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	241166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	253466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117514	58.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.200%
35) Dibromofluoromethane	8.171	113	86496	52.869	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.740%
50) Toluene-d8	10.571	98	329923	53.326	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.660%
62) 4-Bromofluorobenzene	12.853	95	106620	49.985	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	99.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	385	0.298	ug/l #	48
11) Tert butyl alcohol	5.542	59	2580	7.794	ug/l #	88
13) Acrolein	4.183	56	72	0.214	ug/l #	14
16) Acetone	4.442	43	28971	31.494	ug/l	98
18) Methyl Acetate	5.030	43	2924	1.300	ug/l #	56
20) Methylene Chloride	5.283	84	17638	10.906	ug/l #	79
25) 2-Butanone	7.494	43	15142	11.581	ug/l	100
29) Tetrahydrofuran	7.841	42	489	0.611	ug/l #	38
31) Cyclohexane	8.230	56	3328	1.140	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	11648	4.763	ug/l #	50
37) Ethyl Acetate	7.559	43	4282	1.374	ug/l #	85
38) Carbon Tetrachloride	8.224	117	13569	4.923	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	734	0.255	ug/l #	78
43) Isopropyl Acetate	8.694	43	226964	38.983	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1417	0.728	ug/l #	44
48) Methyl methacrylate	9.671	41	6315	2.631	ug/l #	52
49) 1,4-Dioxane	9.741	88	61	1.625	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10254	3.434	ug/l #	66
52) Toluene	10.630	92	1116	0.244	ug/l #	71
53) t-1,3-Dichloropropene	10.741	75	727	0.253	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	39183	13.185	ug/l #	69
56) Ethyl methacrylate	10.994	69	1950	0.710	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5629	1.837	ug/l #	43
59) 2-Hexanone	11.171	43	119160	52.501	ug/l #	28
74) N-amyl acetate	12.465	43	4077	1.008	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	59997	24.568	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59997	58.777	ug/l #	6

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

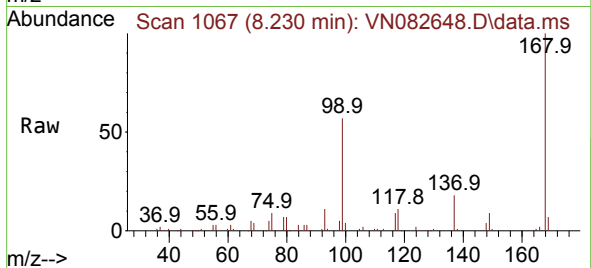
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



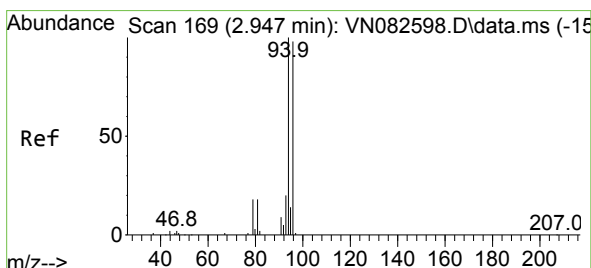
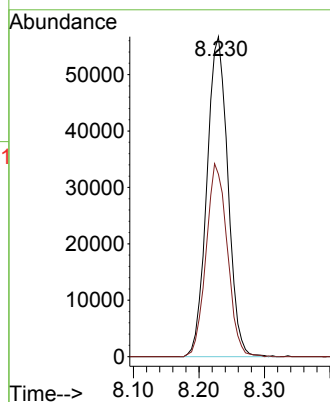
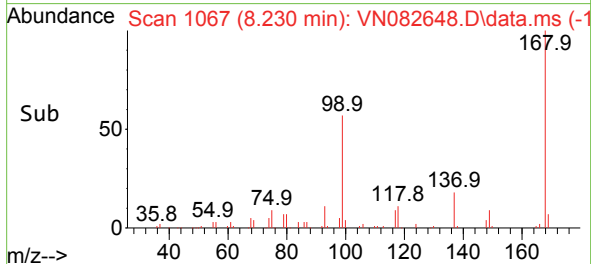


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :

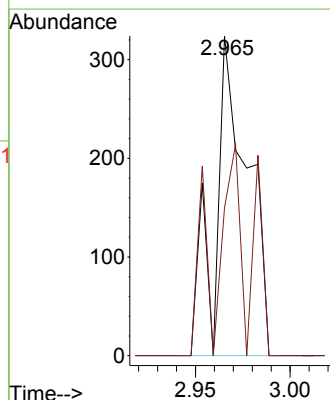
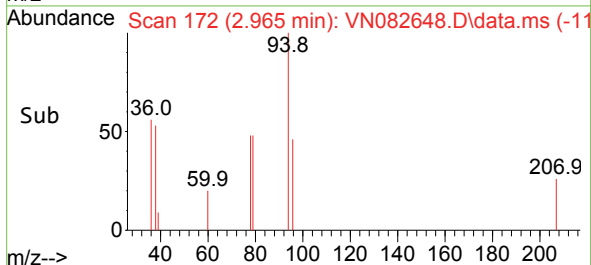
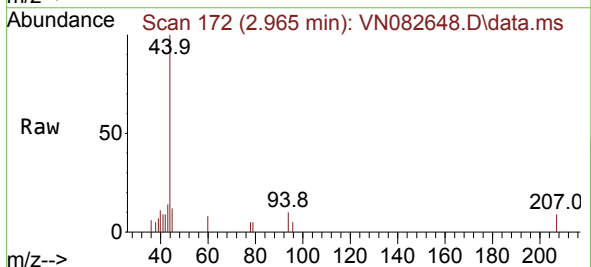


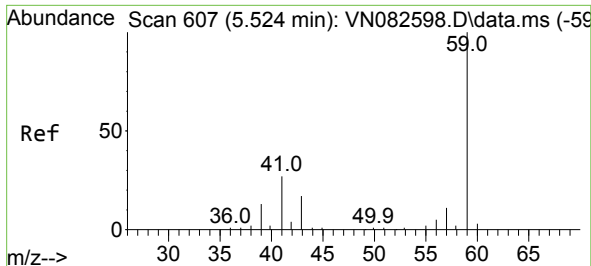
Tgt Ion:168 Resp: 126132
Ion Ratio Lower Upper
168 100
99 57.0 48.2 72.4



#5
Bromomethane
Concen: 0.298 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

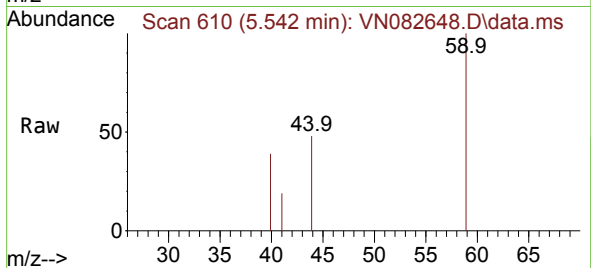
Tgt Ion: 94 Resp: 385
Ion Ratio Lower Upper
94 100
96 46.3 78.0 117.0#



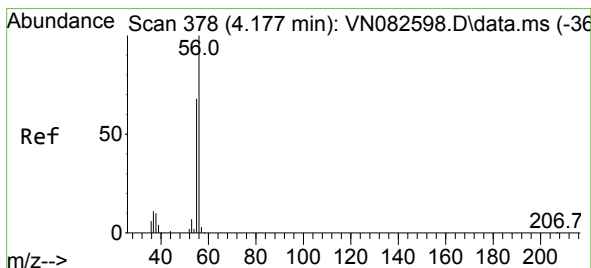
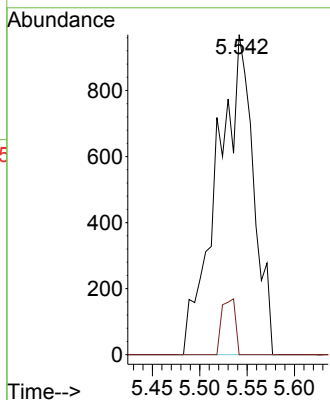
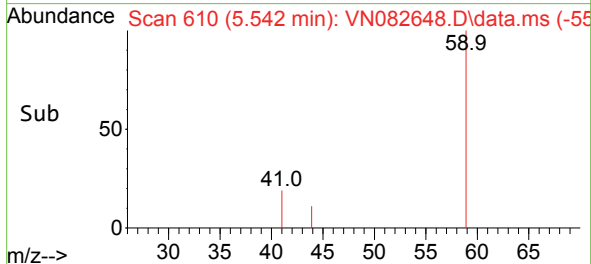


#11
Tert butyl alcohol
Concen: 7.794 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :

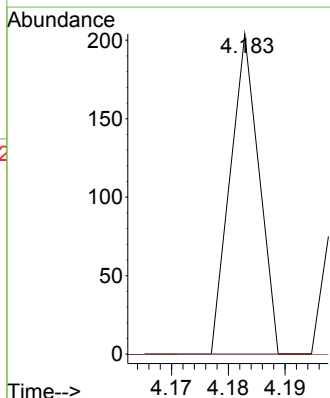
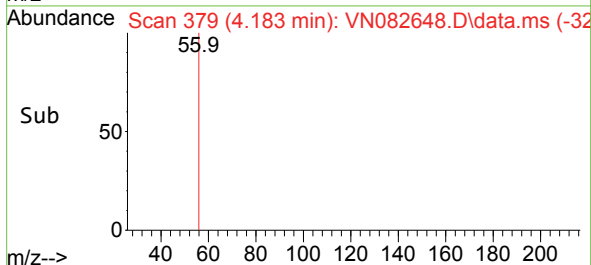
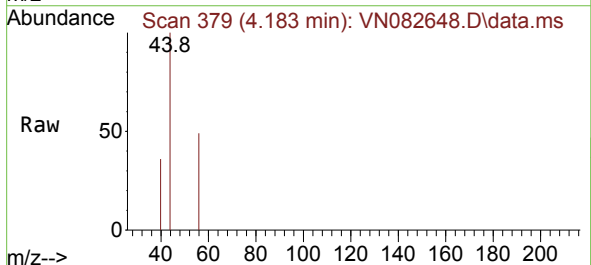


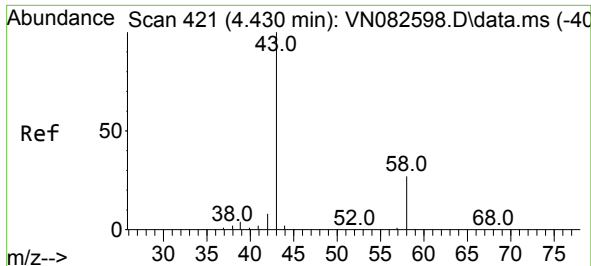
Tgt Ion: 59 Resp: 2580
Ion Ratio Lower Upper
59 100
57 6.6 8.9 13.3#



#13
Acrolein
Concen: 0.214 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

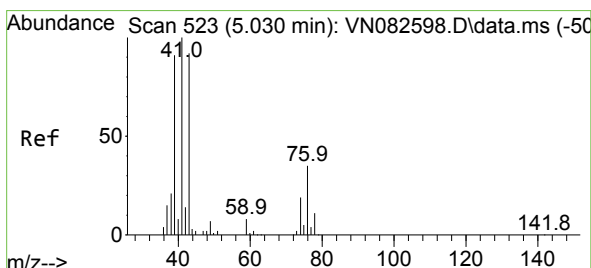
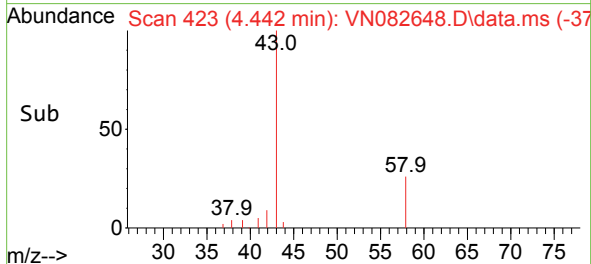
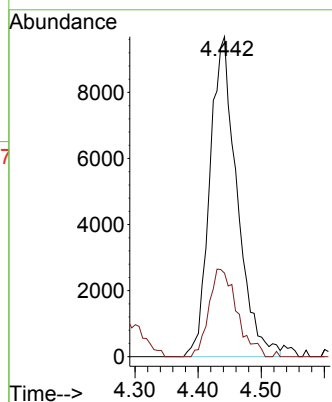
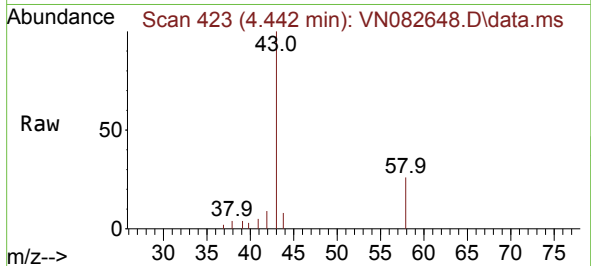




#16
Acetone
Concen: 31.494 ug/l
RT: 4.442 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

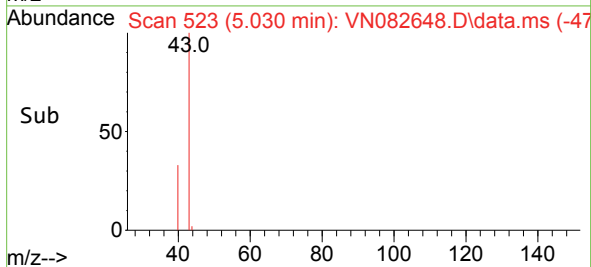
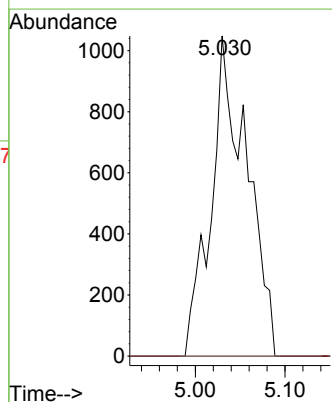
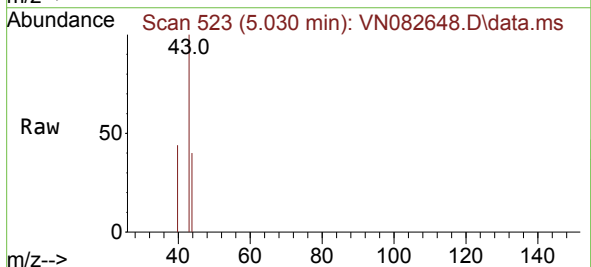
Instrument :
MSVOA_N
ClientSampleId :

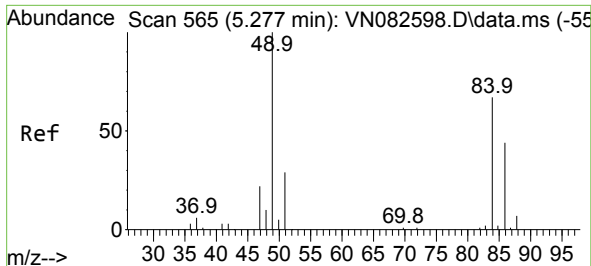
Tgt Ion: 43 Resp: 28971
Ion Ratio Lower Upper
43 100
58 26.1 21.8 32.6



#18
Methyl Acetate
Concen: 1.300 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

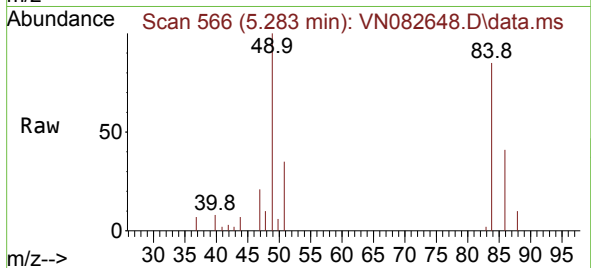
Tgt Ion: 43 Resp: 2924
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#





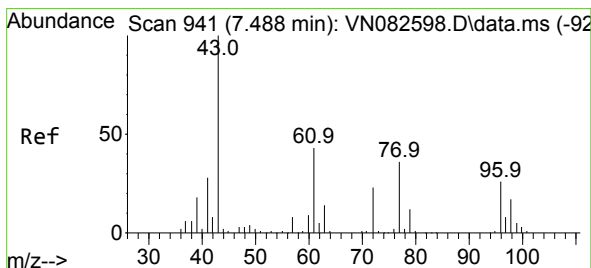
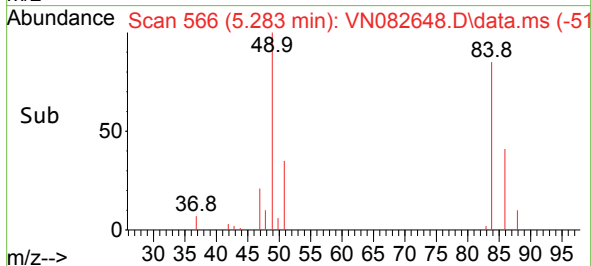
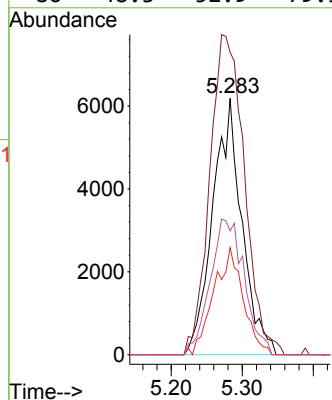
#20
Methylene Chloride
Concen: 10.906 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 17638

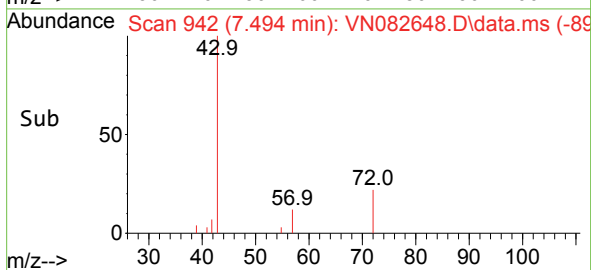
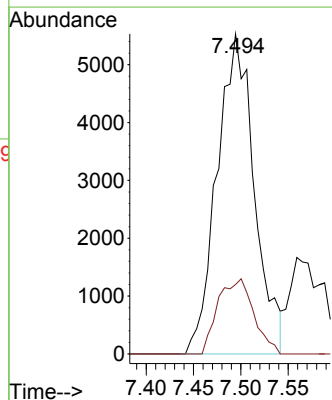
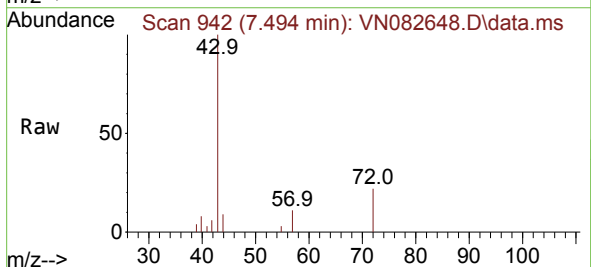
Ion	Ratio	Lower	Upper
84	100		
49	118.0	119.6	179.4#
51	41.8	34.8	52.2
86	48.3	52.9	79.3#

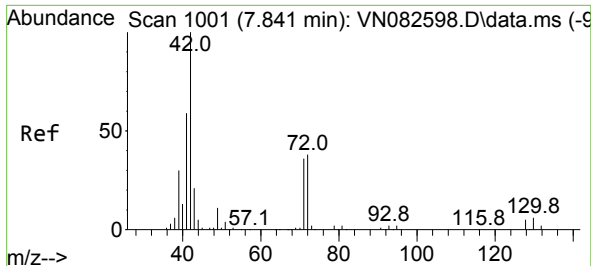


#25
2-Butanone
Concen: 11.581 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Tgt Ion: 43 Resp: 15142

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.611 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

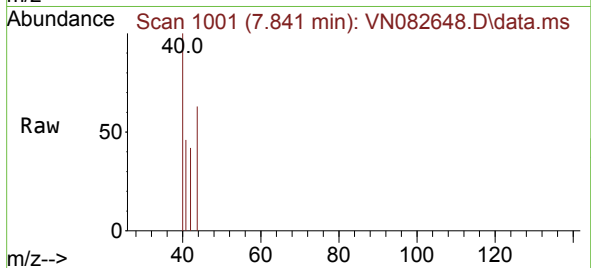
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Acq: 19 Jun 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :



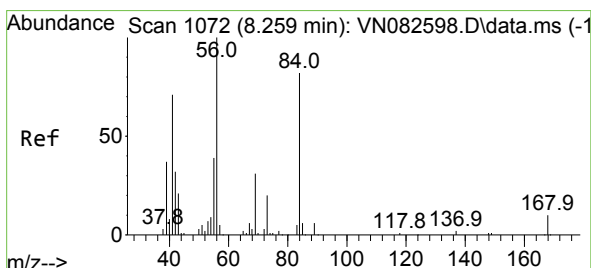
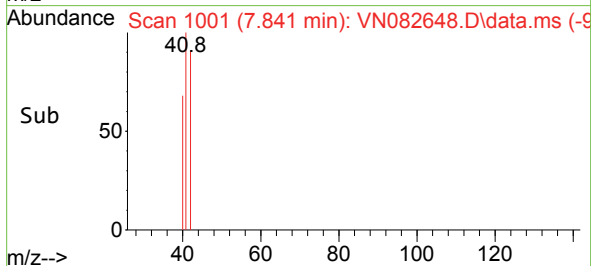
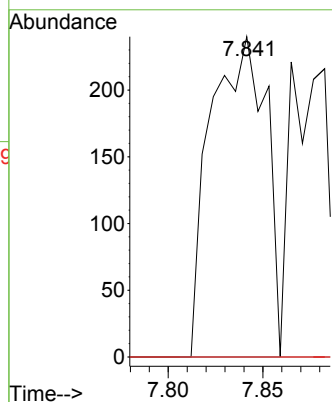
Tgt Ion: 42 Resp: 489

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.140 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN082648.D

Acq: 19 Jun 2024 18:04

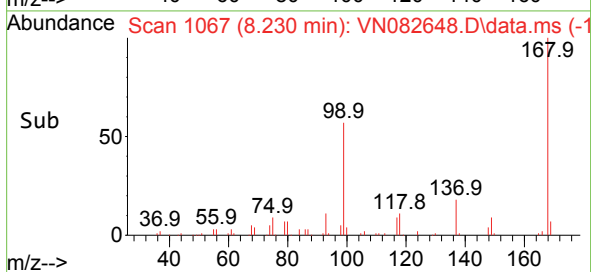
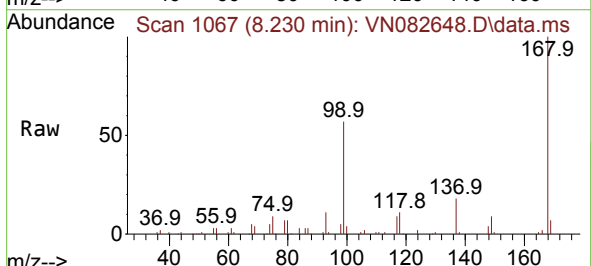
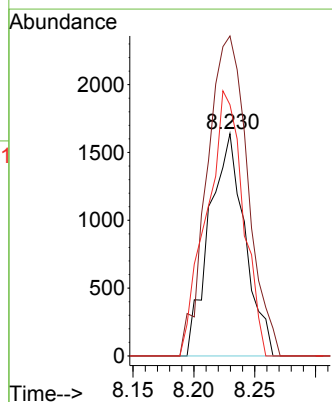
Tgt Ion: 56 Resp: 3328

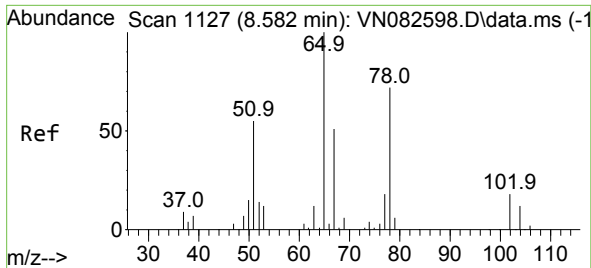
Ion Ratio Lower Upper

56 100

69 144.0 24.5 36.7#

84 113.1 66.0 99.0#

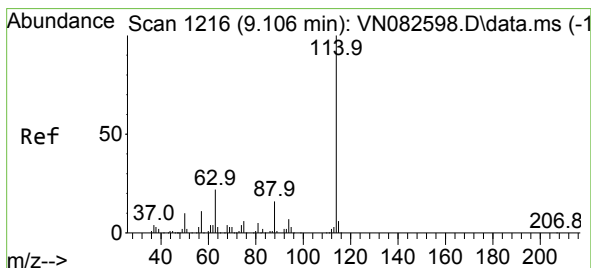
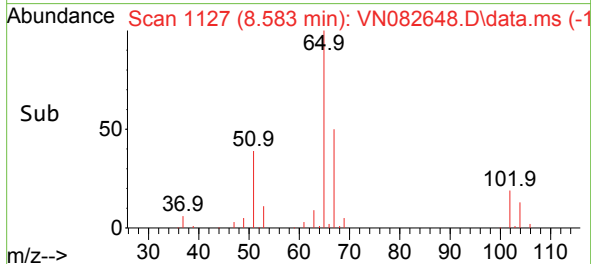
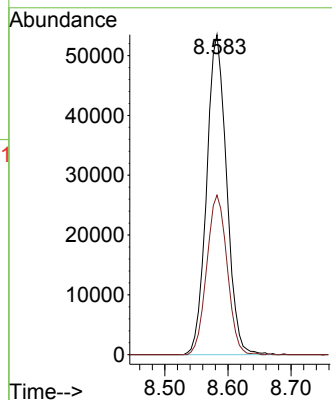
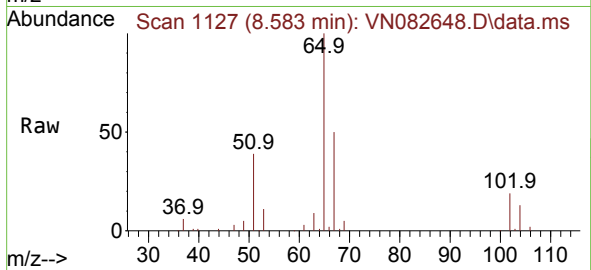




#33
 1,2-Dichloroethane-d4
 Concen: 58.098 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082648.D
 Acq: 19 Jun 2024 18:04

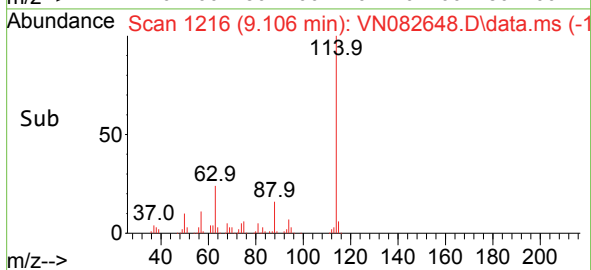
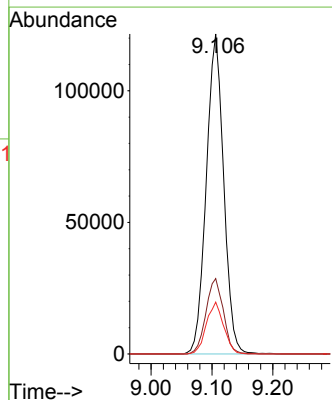
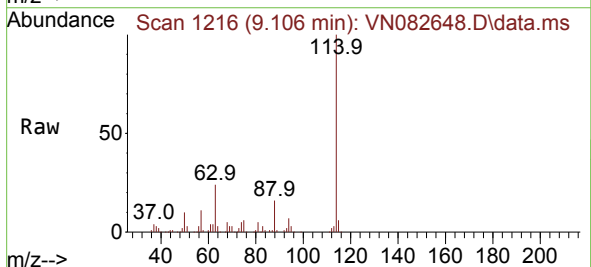
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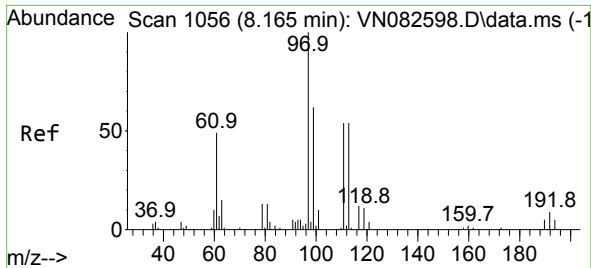
Tgt Ion: 65 Resp: 117514
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082648.D
 Acq: 19 Jun 2024 18:04

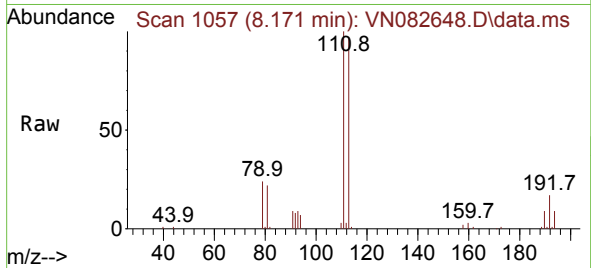
Tgt Ion: 114 Resp: 241166
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 44.6
 88 16.2 0.0 31.4



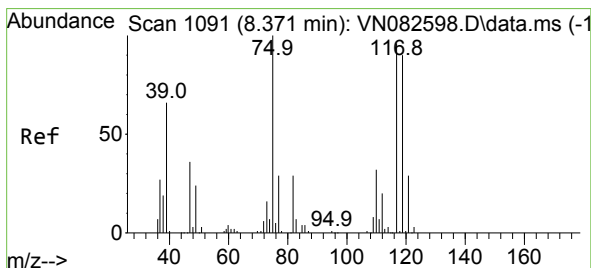
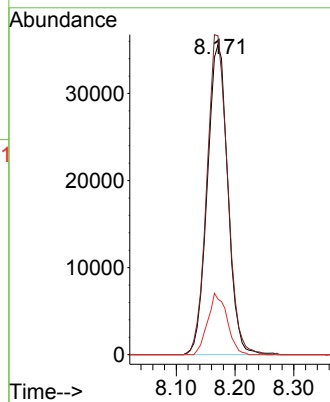
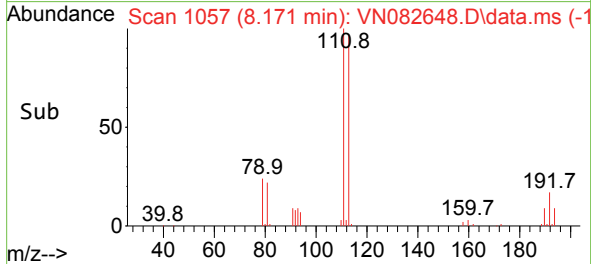


#35
Dibromofluoromethane
Concen: 52.869 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :

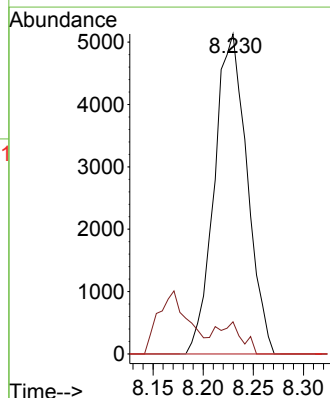
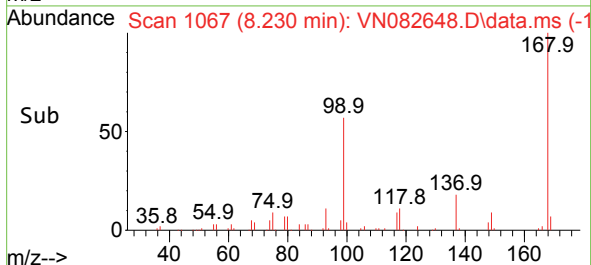
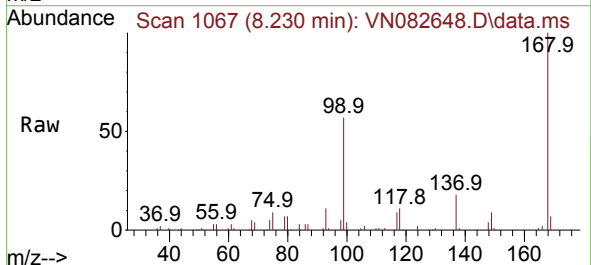


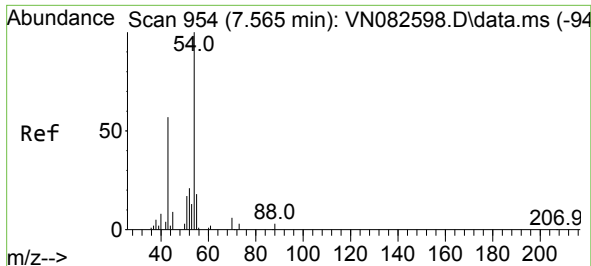
Tgt Ion:113 Resp: 86496
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 18.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Tgt Ion: 75 Resp: 11648
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.374 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.006 min

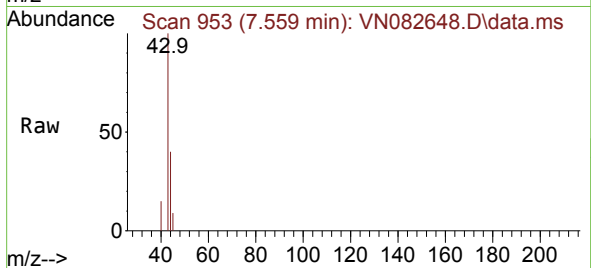
Lab File: VN082648.D

Acq: 19 Jun 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :



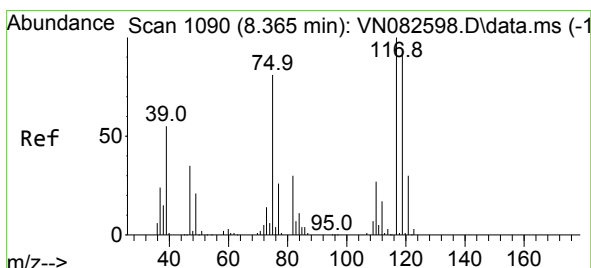
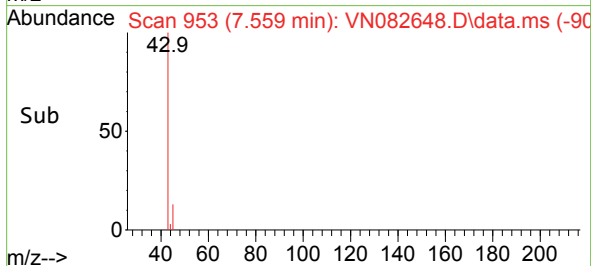
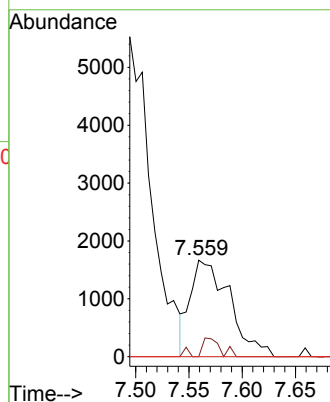
Tgt Ion: 43 Resp: 4282

Ion Ratio Lower Upper

43 100

61 8.6 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.923 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082648.D

Acq: 19 Jun 2024 18:04

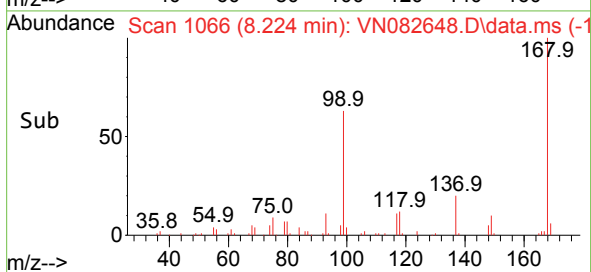
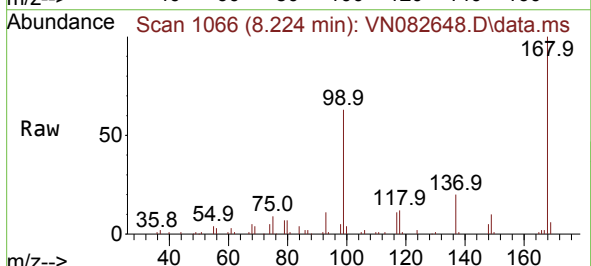
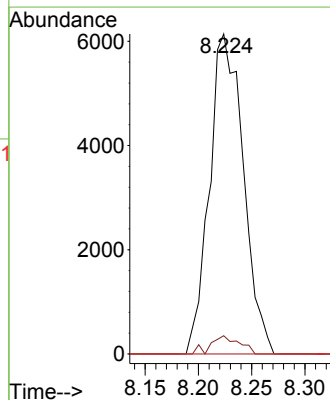
Tgt Ion: 117 Resp: 13569

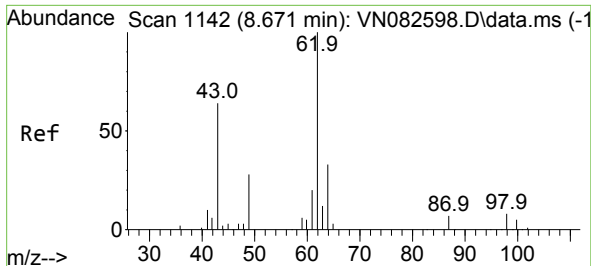
Ion Ratio Lower Upper

117 100

119 5.7 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.255 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082648.D

Acq: 19 Jun 2024 18:04

Instrument :

MSVOA_N

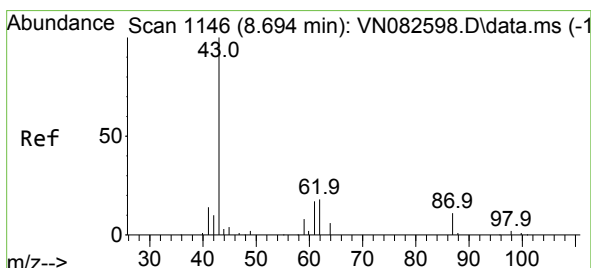
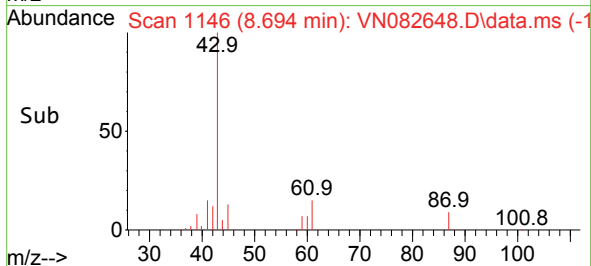
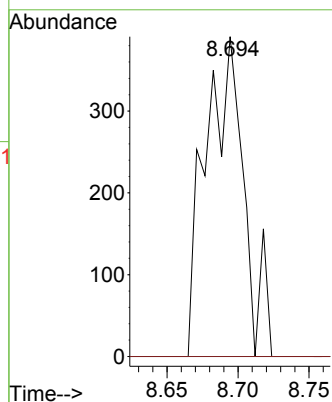
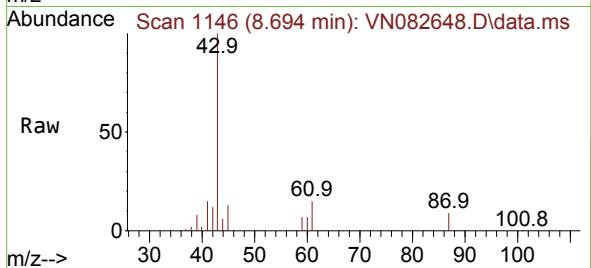
ClientSampleId :

Tgt Ion: 62 Resp: 734

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 38.983 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082648.D

Acq: 19 Jun 2024 18:04

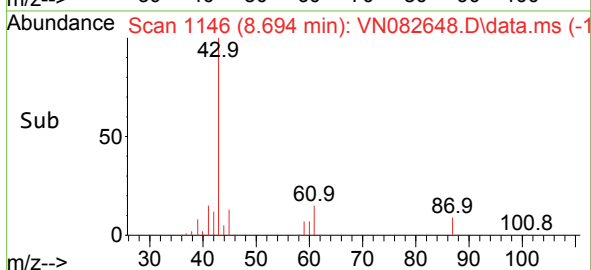
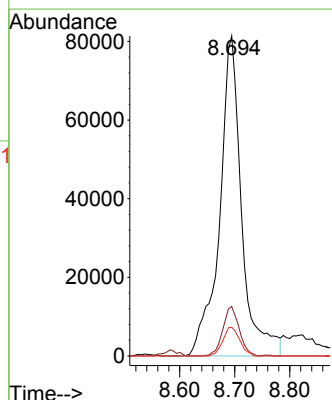
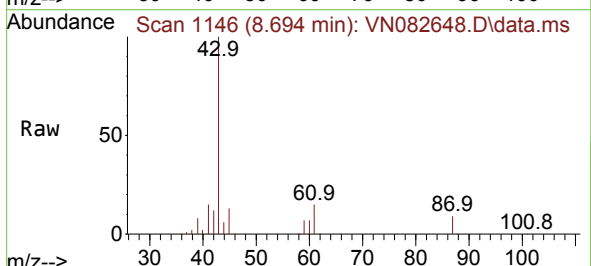
Tgt Ion: 43 Resp: 226964

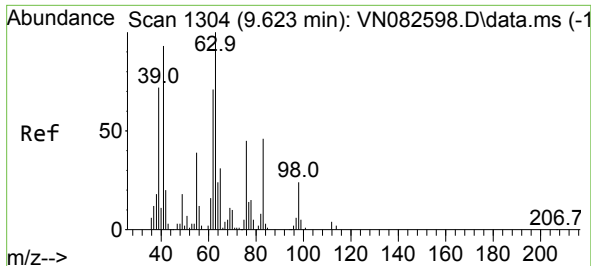
Ion Ratio Lower Upper

43 100

61 11.5 17.8 26.6#

87 6.8 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.728 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.124 min

Lab File: VN082648.D

Acq: 19 Jun 2024 18:04

Instrument :

MSVOA_N

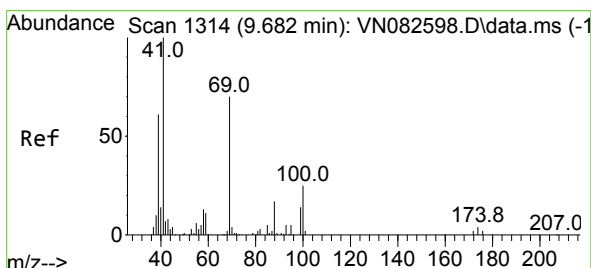
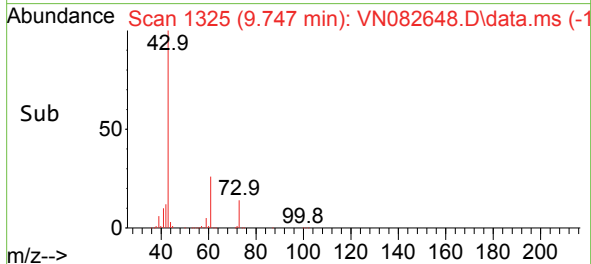
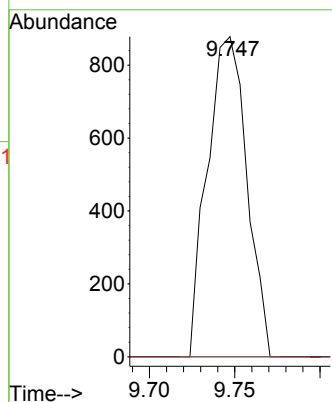
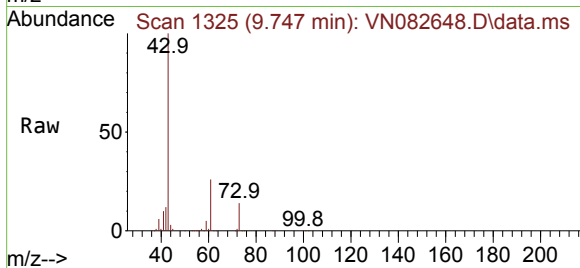
ClientSampleId :

Tgt Ion: 63 Resp: 1417

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 2.631 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.011 min

Lab File: VN082648.D

Acq: 19 Jun 2024 18:04

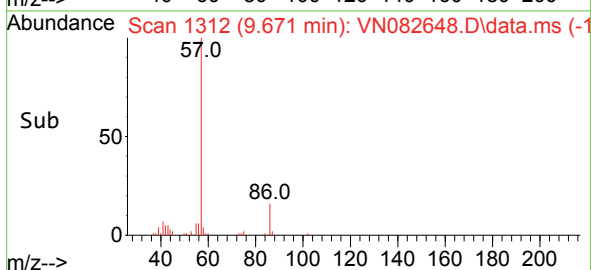
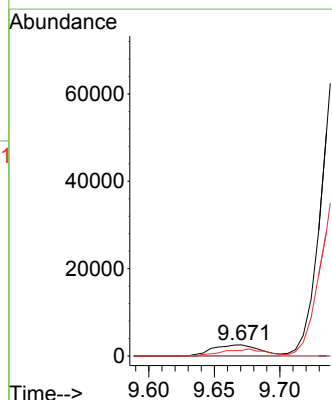
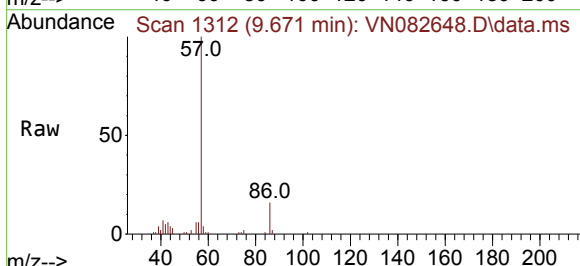
Tgt Ion: 41 Resp: 6315

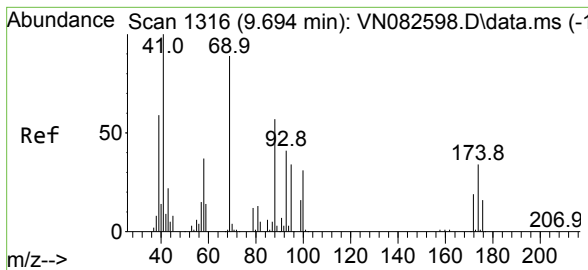
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

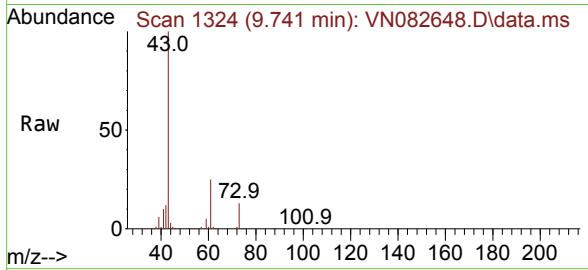
39 57.8 50.3 75.5



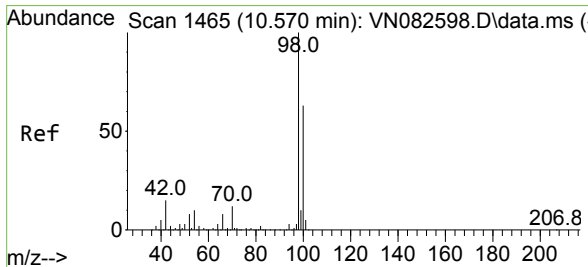
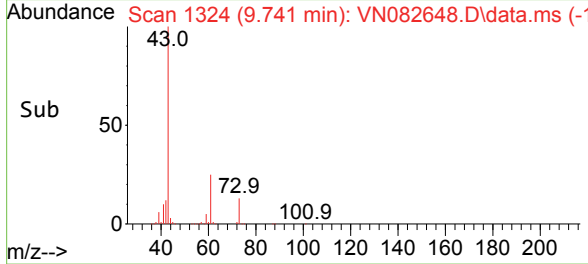
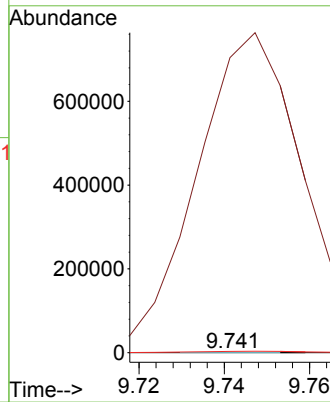


#49
1,4-Dioxane
Concen: 1.625 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :

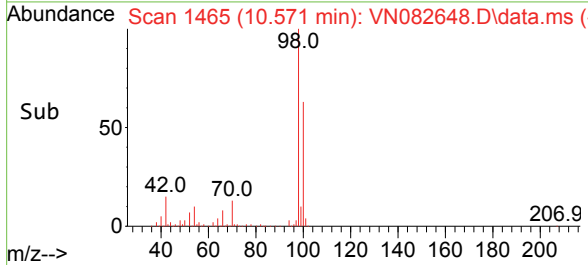
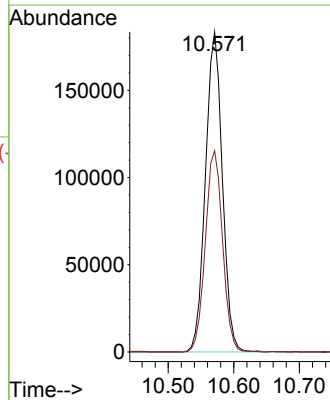
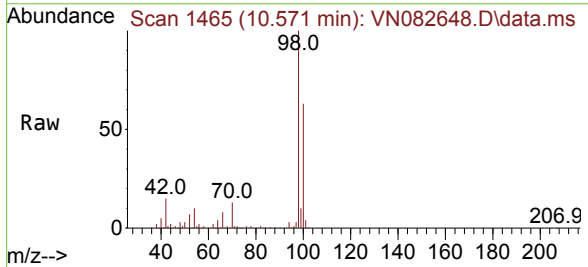


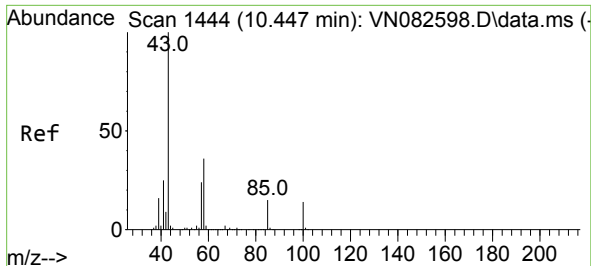
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 2218641.0 27.8 41.8#
58 10939.3 59.4 89.0#



#50
Toluene-d8
Concen: 53.326 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Tgt Ion: 98 Resp: 329923
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

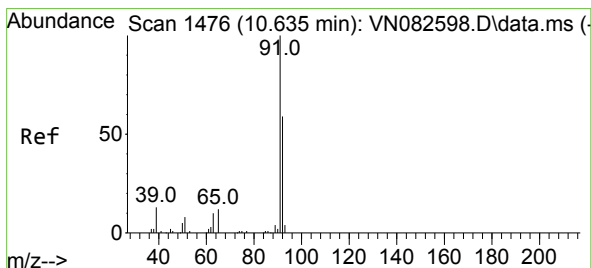
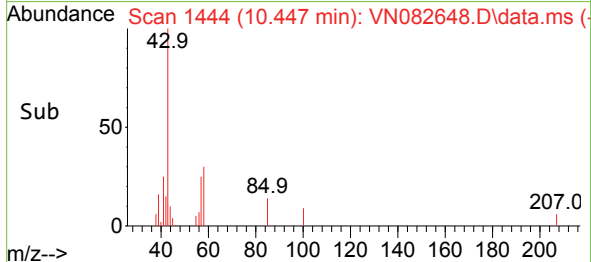
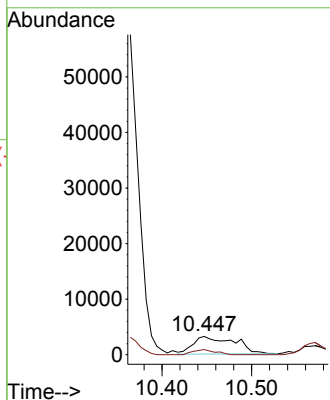
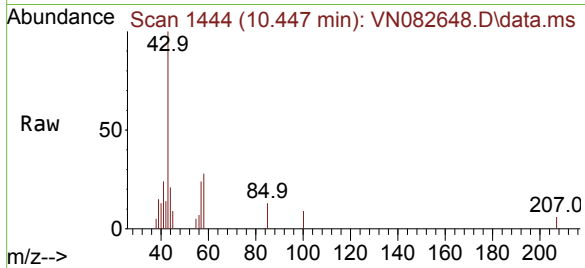




#51
4-Methyl-2-Pentanone
Concen: 3.434 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

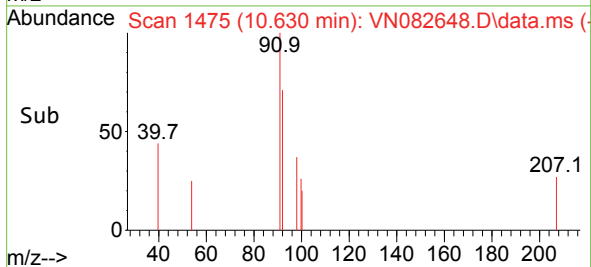
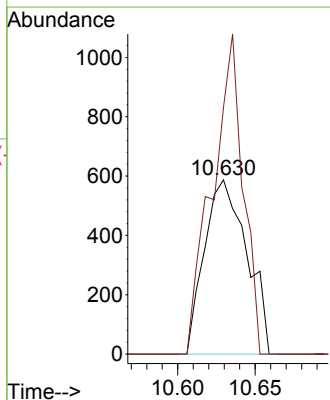
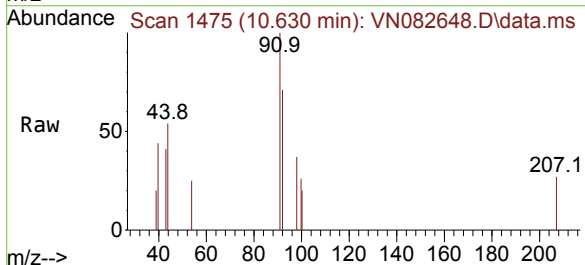
Instrument :
MSVOA_N
ClientSampleId :

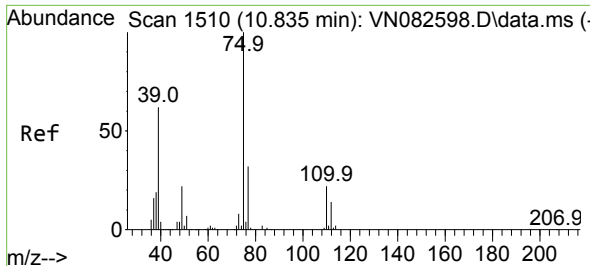
Tgt Ion: 43 Resp: 10254
Ion Ratio Lower Upper
43 100
58 15.3 28.2 42.4#



#52
Toluene
Concen: 0.244 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

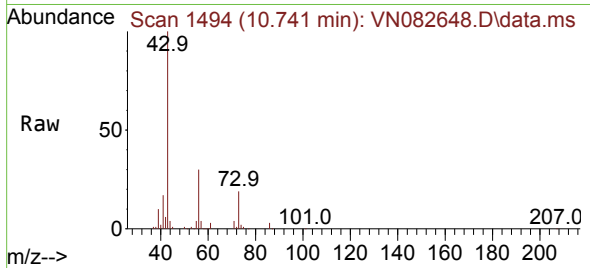
Tgt Ion: 92 Resp: 1116
Ion Ratio Lower Upper
92 100
91 133.6 139.4 209.0#



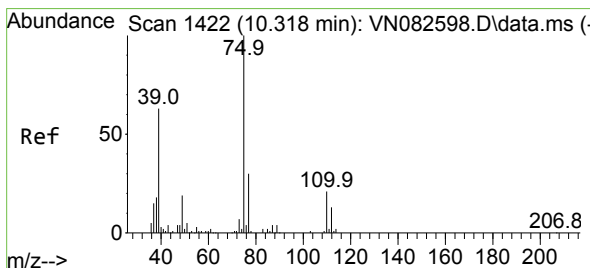
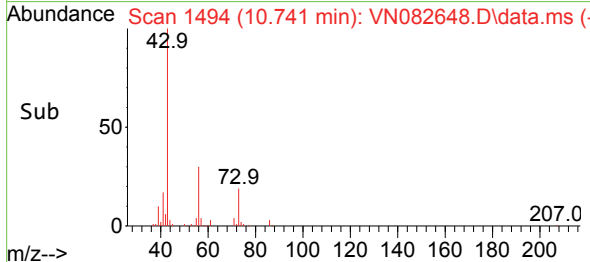
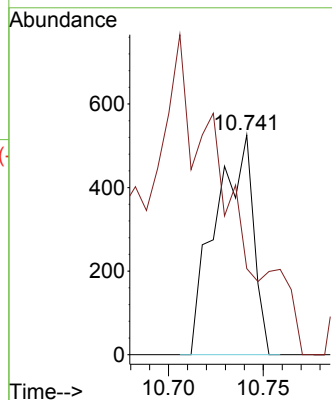


#53
 t-1,3-Dichloropropene
 Concen: 0.253 ug/l
 RT: 10.741 min Scan# 14
 Delta R.T. -0.094 min
 Lab File: VN082648.D
 Acq: 19 Jun 2024 18:04

Instrument :
 MSVOA_N
 ClientSampleId :

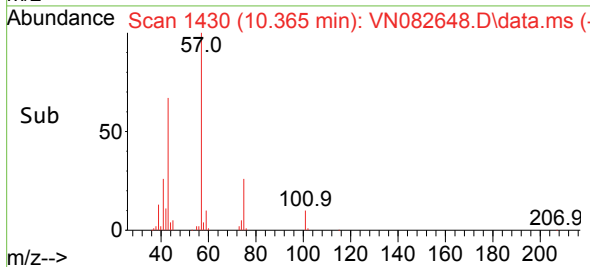
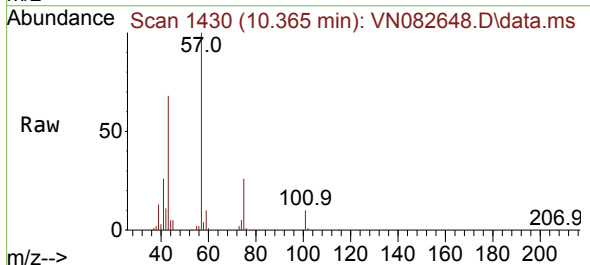
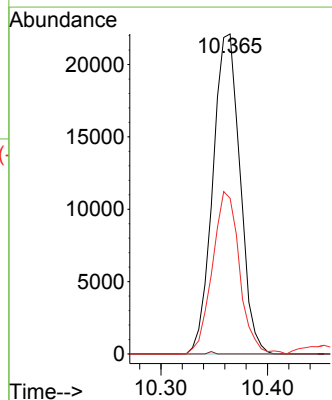


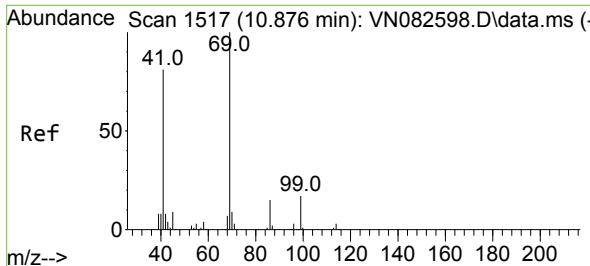
Tgt Ion: 75 Resp: 727
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.185 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN082648.D
 Acq: 19 Jun 2024 18:04

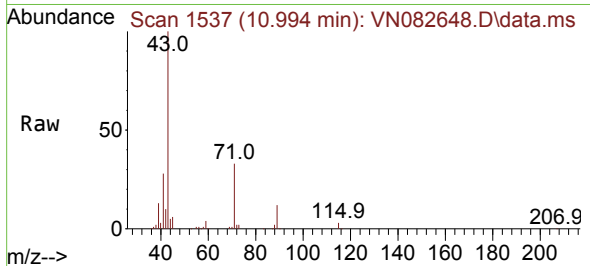
Tgt Ion: 75 Resp: 39183
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 48.6 50.5 75.7#



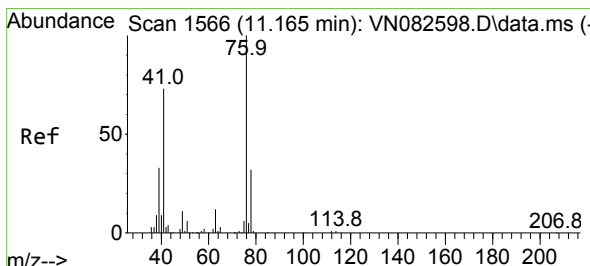
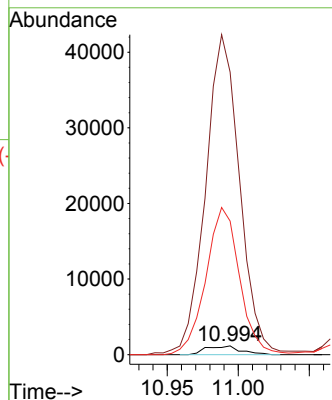
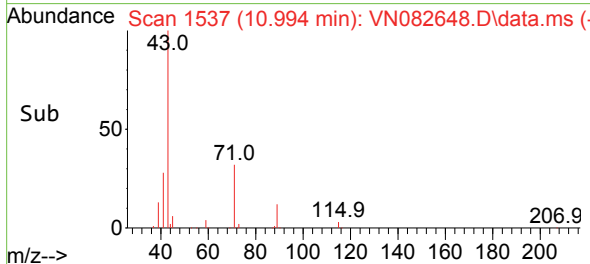


#56
Ethyl methacrylate
Concen: 0.710 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :

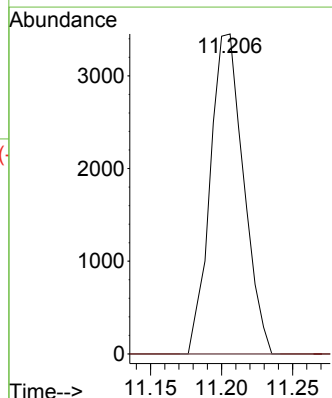
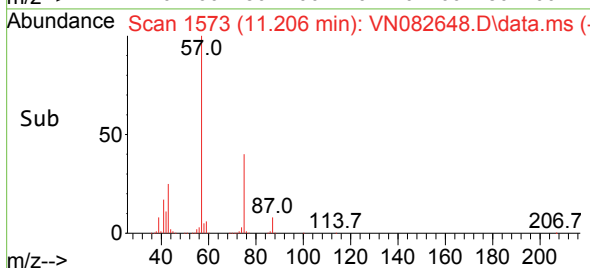
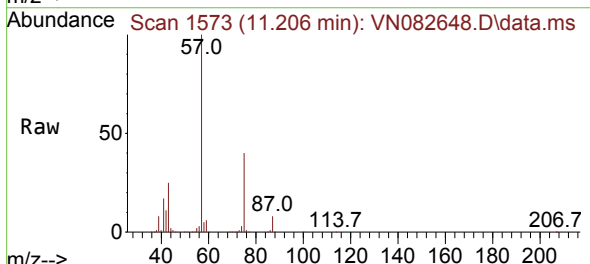


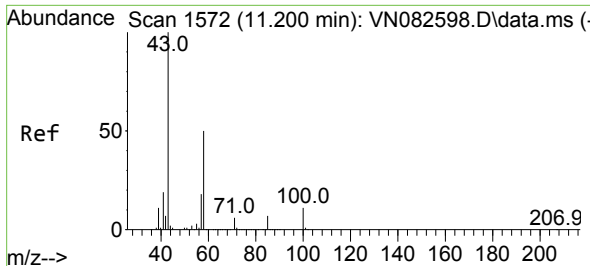
Tgt Ion: 69 Resp: 1950
Ion Ratio Lower Upper
69 100
41 3628.8 63.4 95.2#
39 1646.6 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.837 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

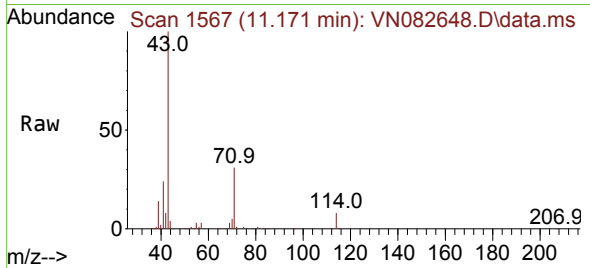
Tgt Ion: 76 Resp: 5629
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



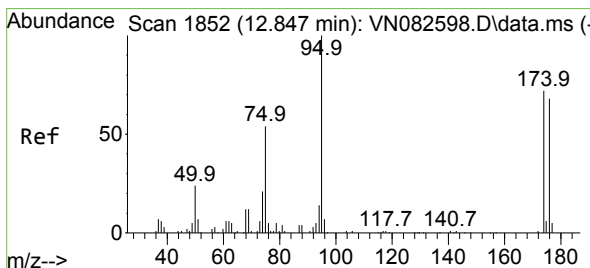
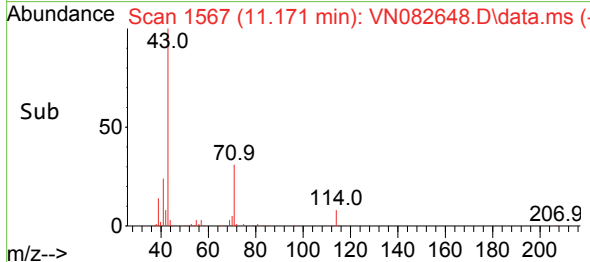
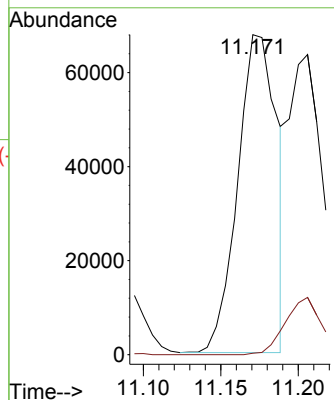


#59
2-Hexanone
Concen: 52.501 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :

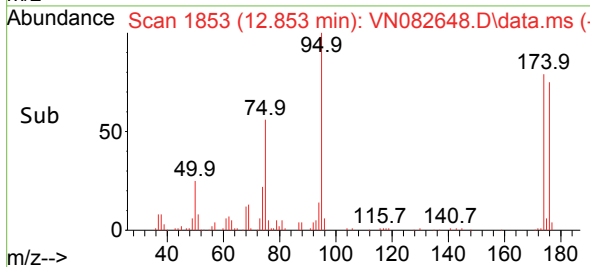
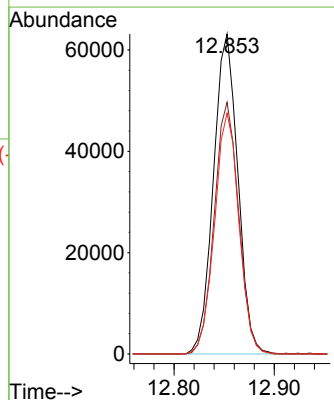
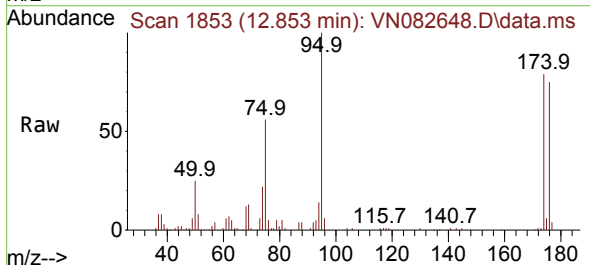


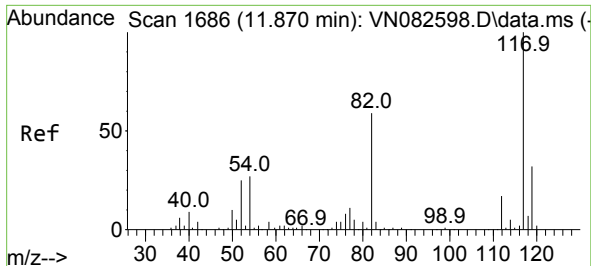
Tgt Ion: 43 Resp: 119160
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.985 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

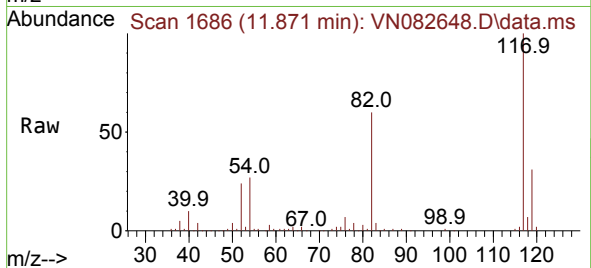
Tgt Ion: 95 Resp: 106620
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.2
176 75.2 0.0 147.6



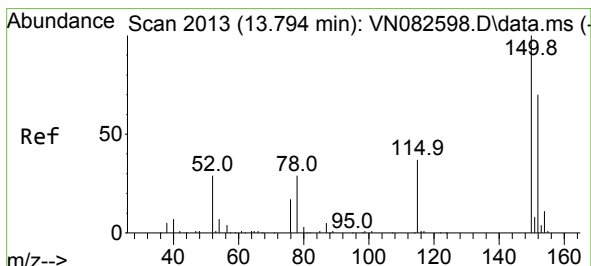
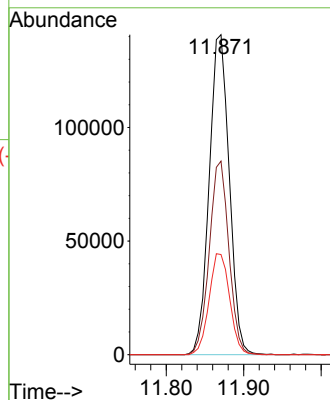
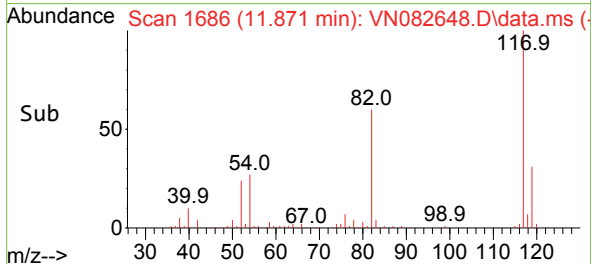


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

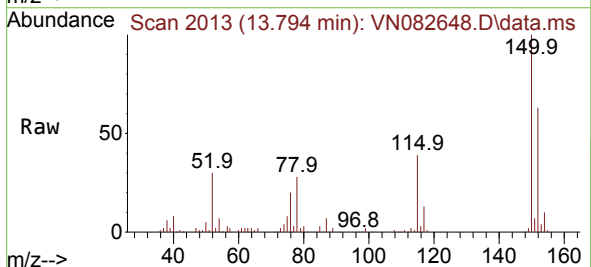
Instrument :
MSVOA_N
ClientSampleId :



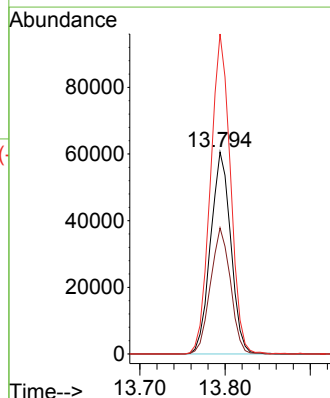
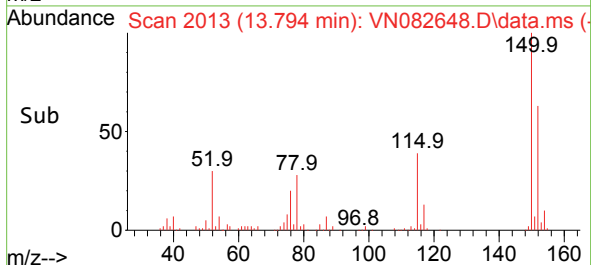
Tgt Ion:117 Resp: 253466
Ion Ratio Lower Upper
117 100
82 60.5 47.5 71.3
119 31.3 25.6 38.4

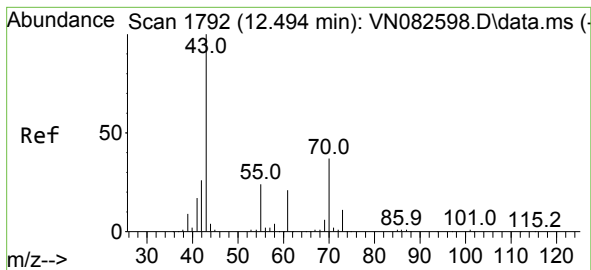


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04



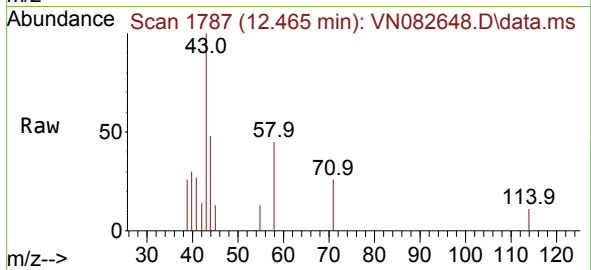
Tgt Ion:152 Resp: 99846
Ion Ratio Lower Upper
152 100
115 61.7 30.6 91.6
150 156.3 0.0 348.6



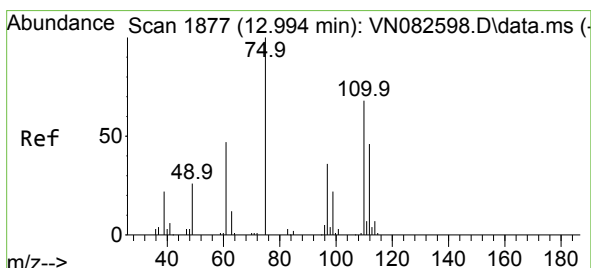
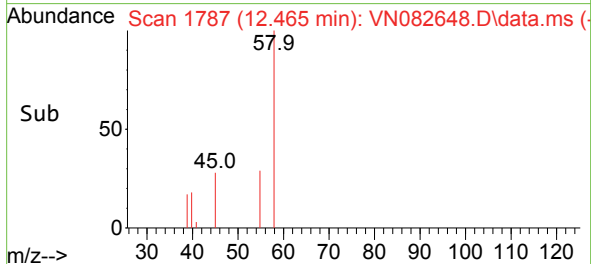
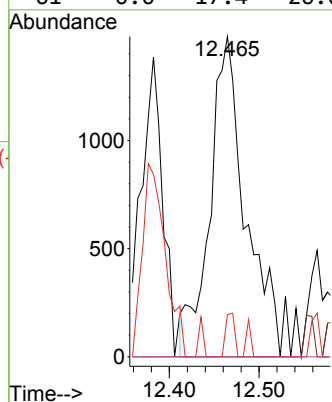


#74
N-amy1 acetate
Concen: 1.008 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.029 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :

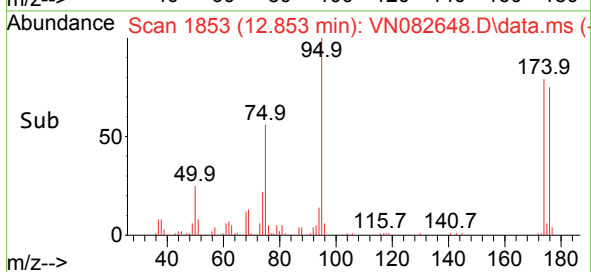
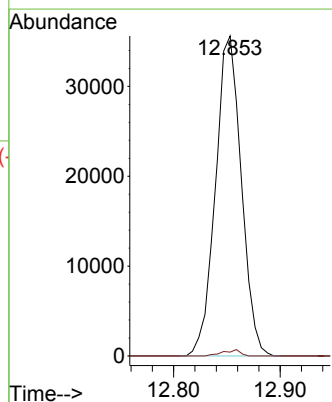
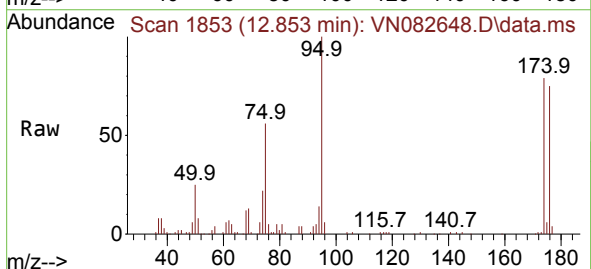


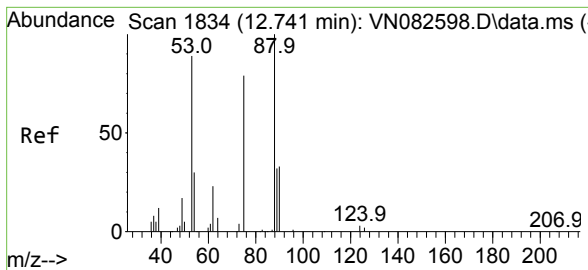
Tgt Ion: 43 Resp: 4077
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 3.4 18.7 28.1#
61 0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 24.568 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082648.D
Acq: 19 Jun 2024 18:04

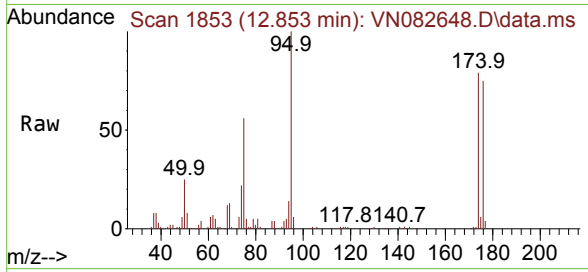
Tgt Ion: 75 Resp: 59997
Ion Ratio Lower Upper
75 100
77 1.3 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.777 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082648.D
 Acq: 19 Jun 2024 18:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	59997
Ion	Ratio	Lower	Upper
75	100		
53	0.1	88.4	132.6#
89	0.0	36.3	54.5#

