

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010224\
 Data File : VN080628.D
 Acq On : 02 Jan 2024 16:30
 Operator : JC\MD
 Sample : 06038-09
 Misc : 1.20g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 03 01:47:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

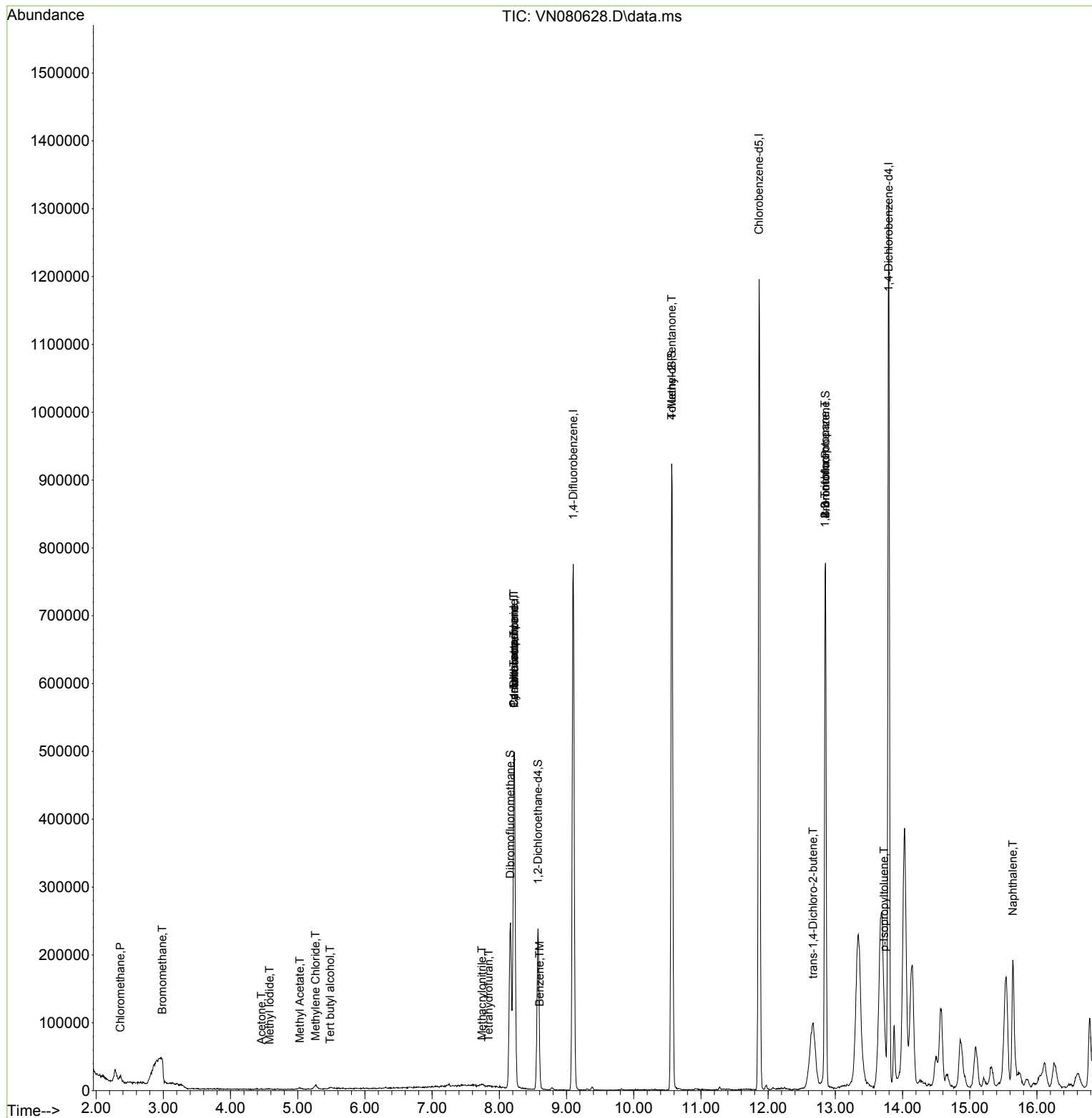
Internal Standards						
1) Pentafluorobenzene	8.224	168	369642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	691818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	711810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	357091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	191466	40.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.760%		
35) Dibromofluoromethane	8.165	113	175907	39.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	78.620%		
50) Toluene-d8	10.565	98	668920	42.818	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.640%#		
62) 4-Bromofluorobenzene	12.853	95	287493	54.681	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.360%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	11092	1.497	ug/l	98
5) Bromomethane	2.983	94	373	0.215	ug/l #	4
10) Methyl Iodide	4.583	142	931	0.378	ug/l #	43
11) Tert butyl alcohol	5.483	59	1078	1.690	ug/l #	72
16) Acetone	4.459	43	271	0.210	ug/l #	40
18) Methyl Acetate	5.030	43	3849	0.539	ug/l	91
20) Methylene Chloride	5.265	84	4999	1.216	ug/l #	78
29) Tetrahydrofuran	7.841	42	400	0.255	ug/l #	65
31) Cyclohexane	8.218	56	6474	1.009	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	29440	4.275	ug/l #	49
38) Carbon Tetrachloride	8.218	117	38516	5.467	ug/l #	15
40) Benzene	8.600	78	77	0.375	ug/l #	52
41) Methacrylonitrile	7.741	41	1096	0.342	ug/l #	34
51) 4-Methyl-2-Pentanone	10.565	43	2594	0.542	ug/l #	1
71) Bromoform	12.853	173	1443	0.358	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	145779	18.981	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.671	75	7261	2.561	ug/l #	35
86) p-Isopropyltoluene	13.723	119	906	0.498	ug/l #	9
95) Naphthalene	15.641	128	132362	7.139	ug/l #	93

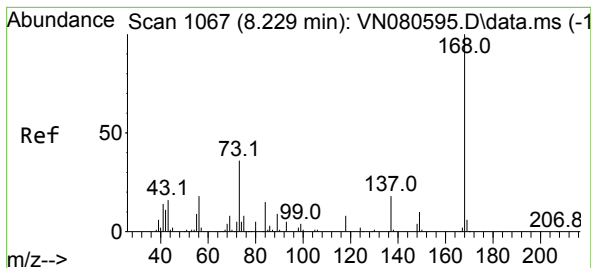
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 28 03:07:01 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN080628.D

Acq: 02 Jan 2024 16:30

Instrument :

MSVOA_N

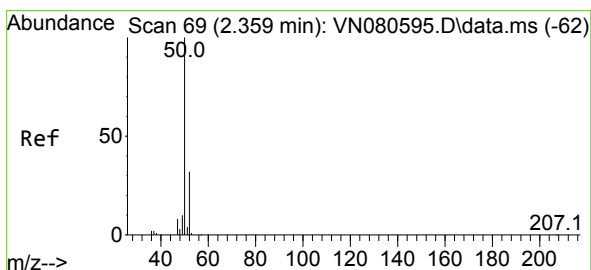
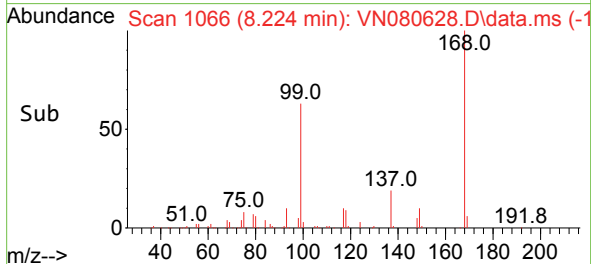
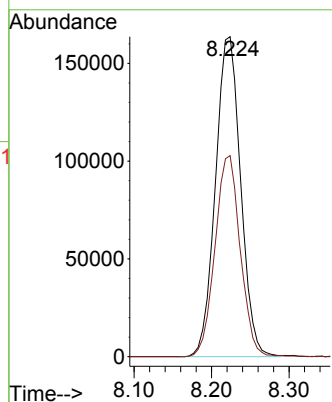
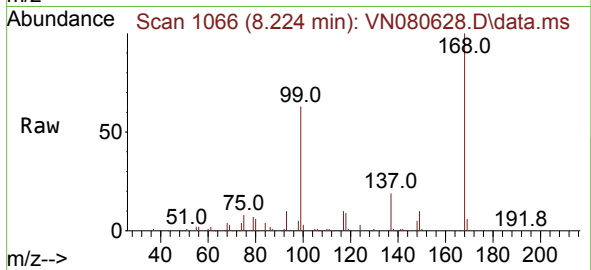
ClientSampleId :

Tgt Ion:168 Resp: 369642

Ion Ratio Lower Upper

168 100

99 62.8 53.0 79.6



#3

Chloromethane

Concen: 1.497 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080628.D

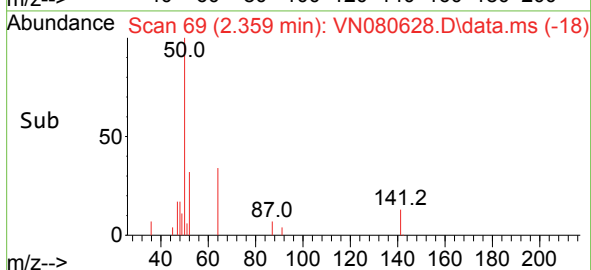
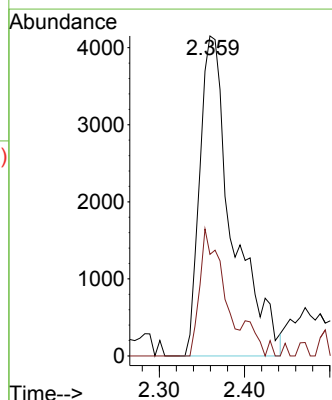
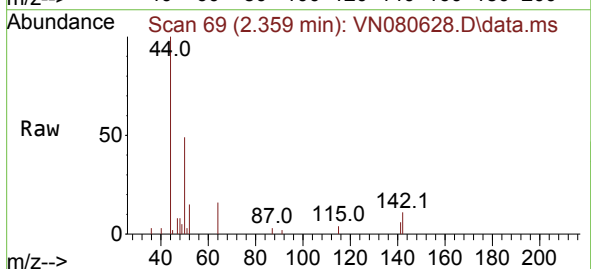
Acq: 02 Jan 2024 16:30

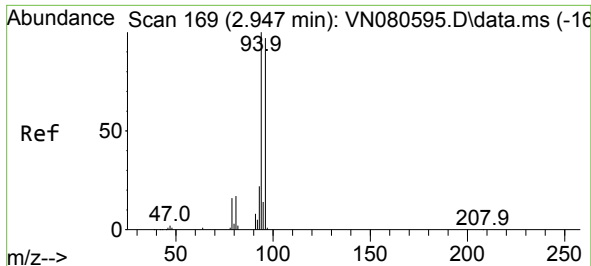
Tgt Ion: 50 Resp: 11092

Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7

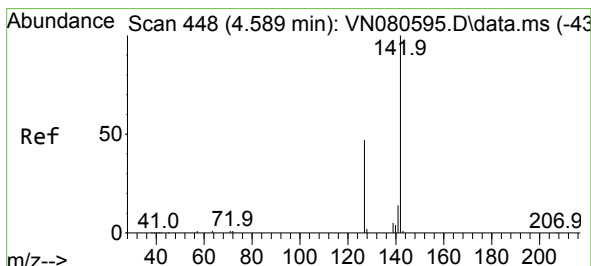
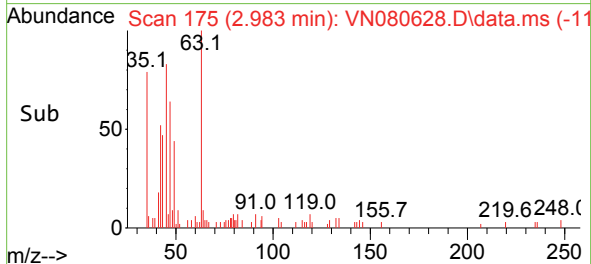
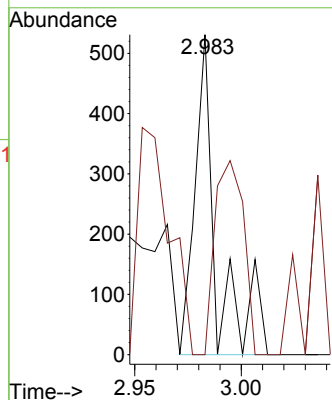
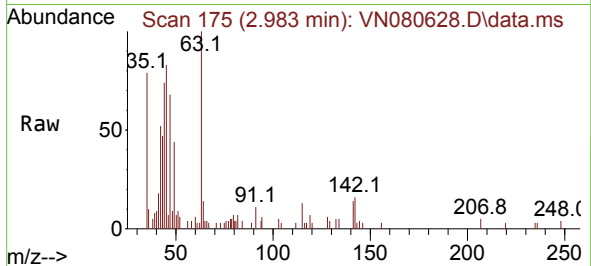




#5
Bromomethane
Concen: 0.215 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

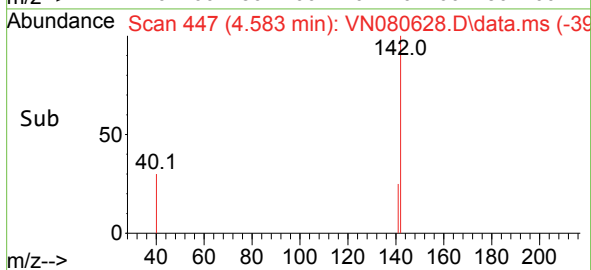
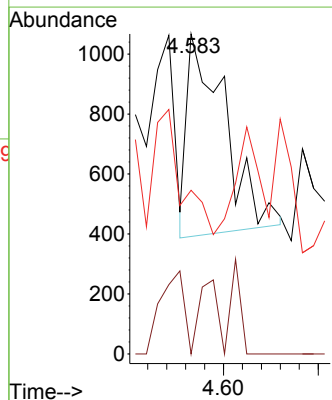
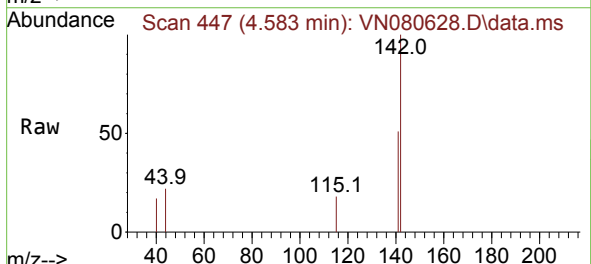
Instrument :
MSVOA_N
ClientSampleId :

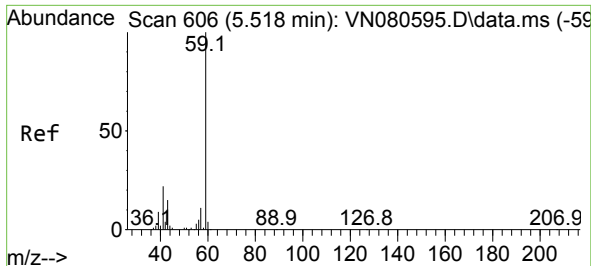
Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#10
Methyl Iodide
Concen: 0.378 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

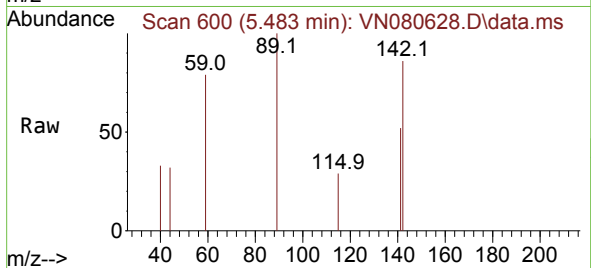
Tgt Ion: 142 Resp: 931
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 8.4 11.4 17.0#



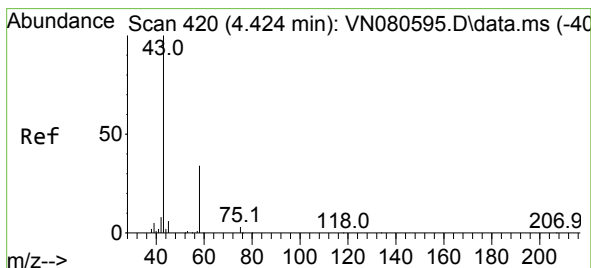
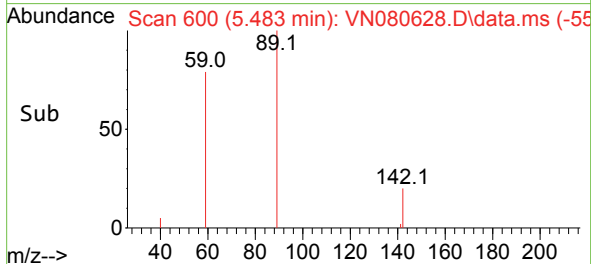
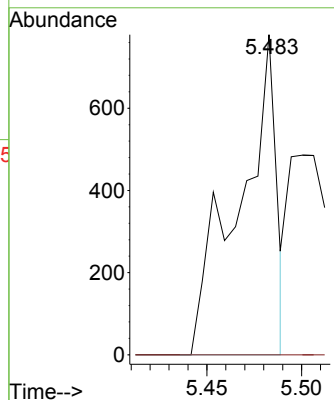


#11
Tert butyl alcohol
Concen: 1.690 ug/l
RT: 5.483 min Scan# 606
Delta R.T. -0.035 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

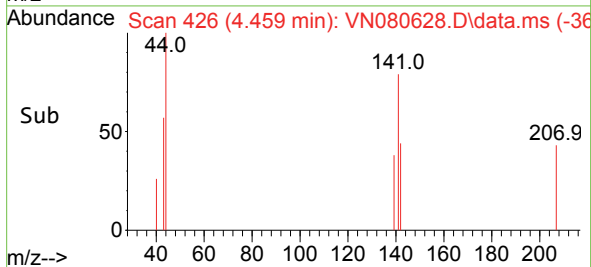
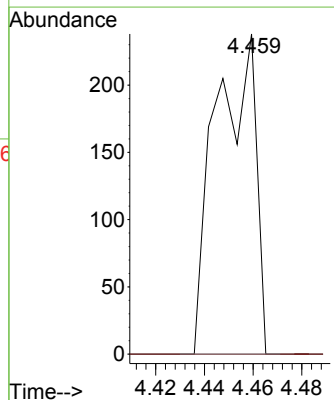
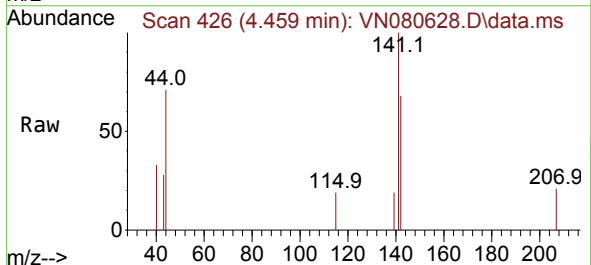


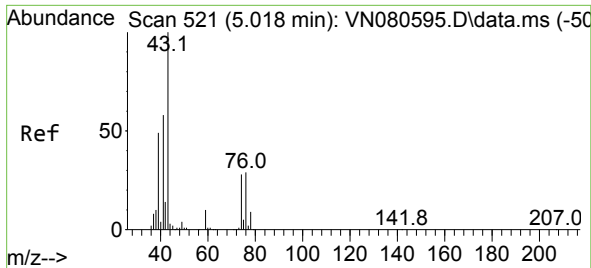
Tgt Ion: 59 Resp: 1078
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.210 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.036 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

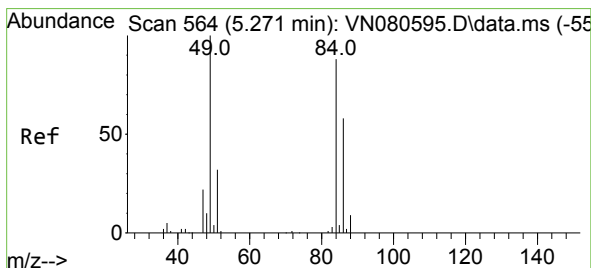
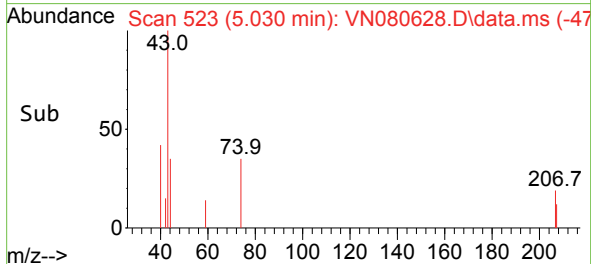
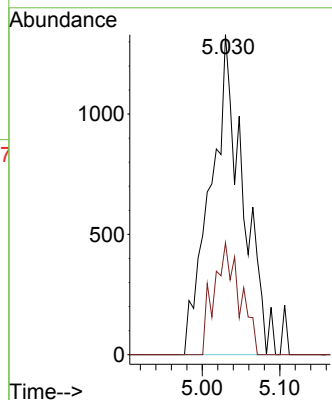
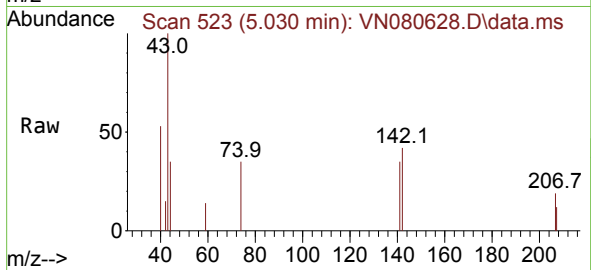




#18
Methyl Acetate
Concen: 0.539 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

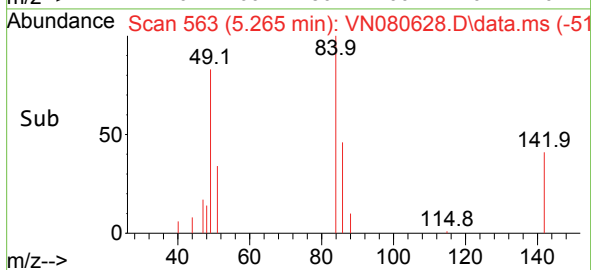
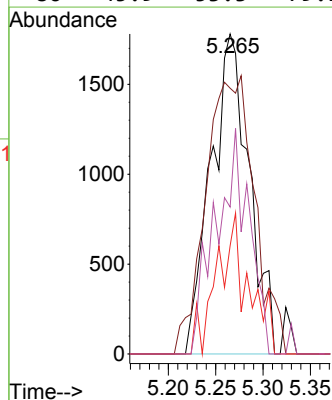
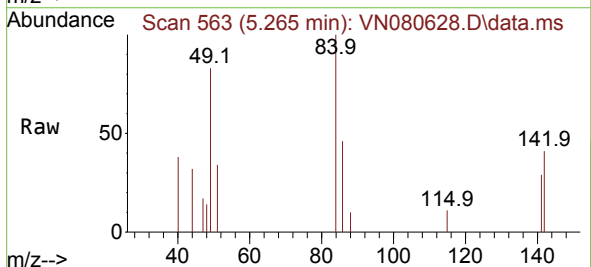
Instrument :
MSVOA_N
ClientSampleId :

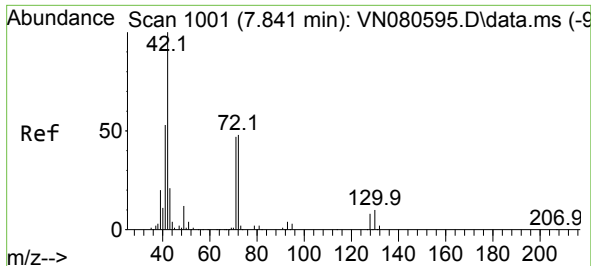
Tgt Ion: 43 Resp: 3849
Ion Ratio Lower Upper
43 100
74 28.0 26.2 39.4



#20
Methylene Chloride
Concen: 1.216 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

Tgt Ion: 84 Resp: 4999
Ion Ratio Lower Upper
84 100
49 74.2 79.7 119.5#
51 33.8 25.2 37.8
86 45.9 53.3 79.9#





#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

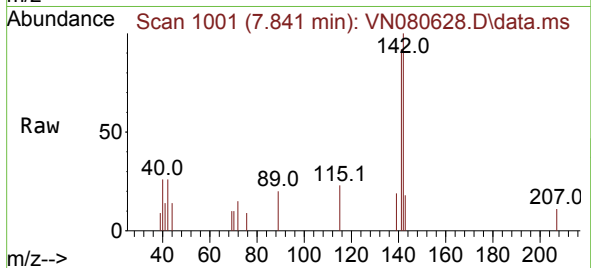
Lab File: VN080628.D

Acq: 02 Jan 2024 16:30

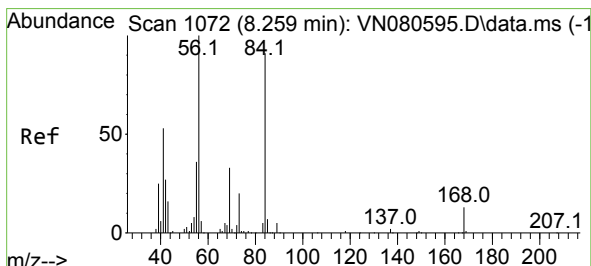
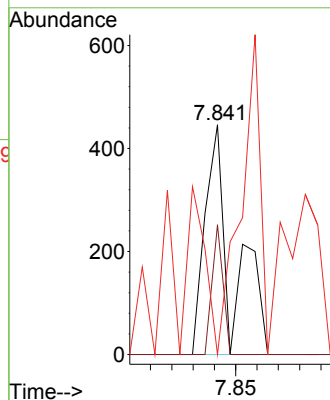
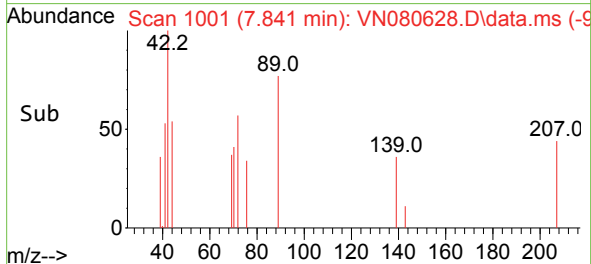
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	400
Ion	Ratio	Lower	Upper
42	100		
72	22.3	49.8	74.6#
71	46.8	47.4	71.2#



#31

Cyclohexane

Concen: 1.009 ug/l

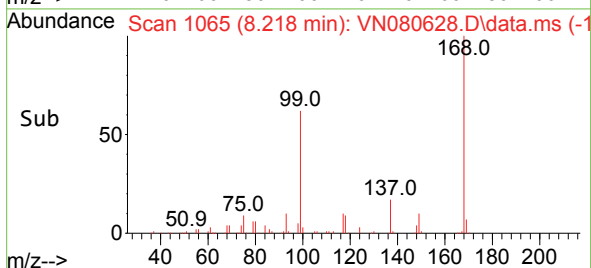
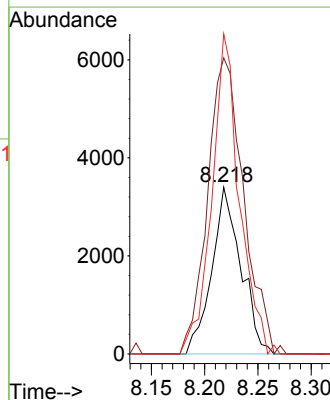
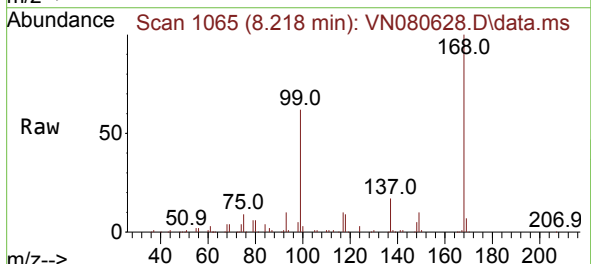
RT: 8.218 min Scan# 1065

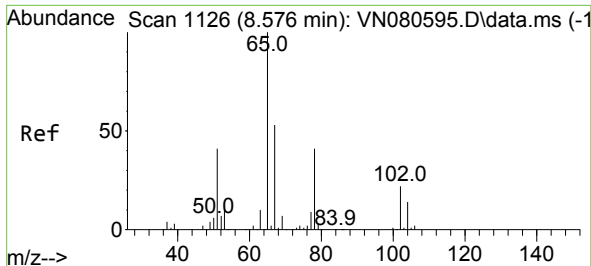
Delta R.T. -0.041 min

Lab File: VN080628.D

Acq: 02 Jan 2024 16:30

Tgt Ion:	56	Resp:	6474
Ion	Ratio	Lower	Upper
56	100		
69	177.8	26.8	40.2#
84	192.0	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 40.381 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080628.D

Acq: 02 Jan 2024 16:30

Instrument :

MSVOA_N

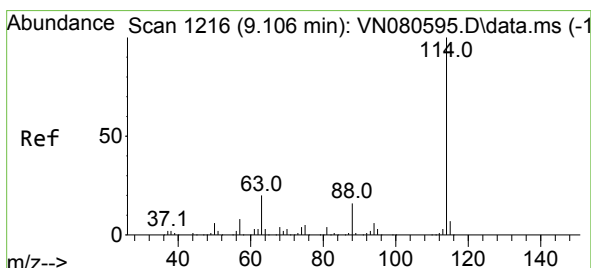
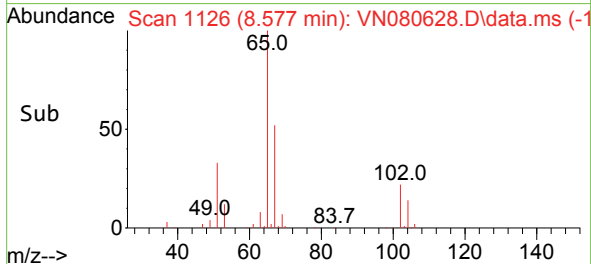
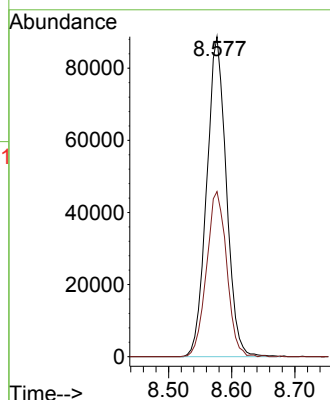
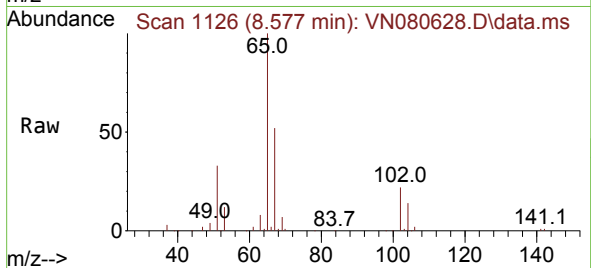
ClientSampleId :

Tgt Ion: 65 Resp: 191466

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080628.D

Acq: 02 Jan 2024 16:30

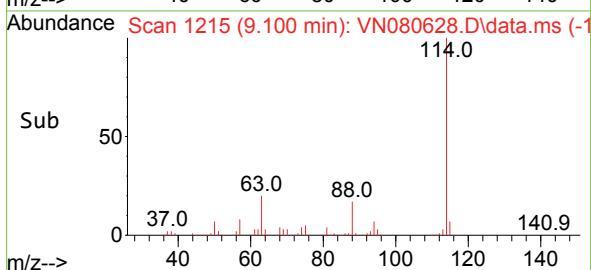
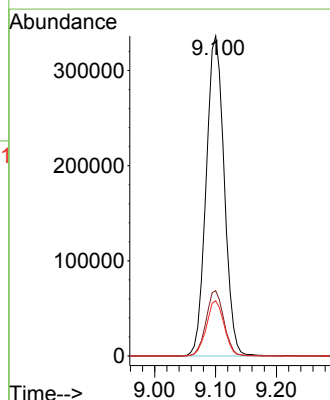
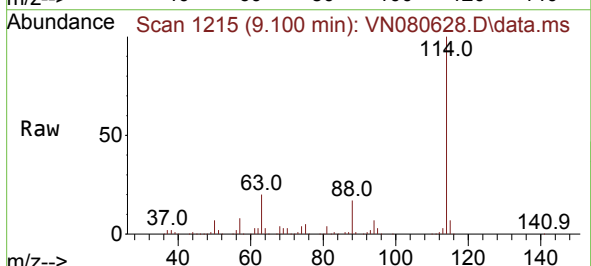
Tgt Ion: 114 Resp: 691818

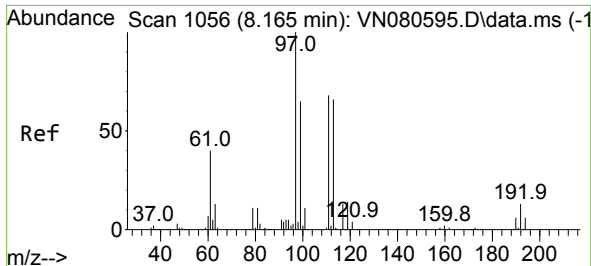
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 17.3 0.0 30.6

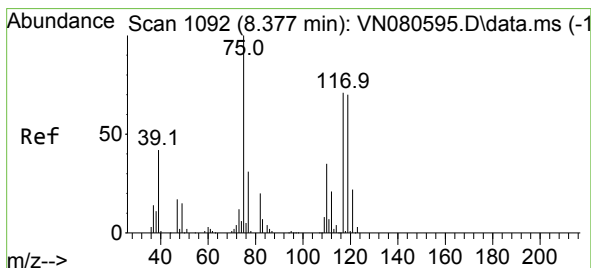
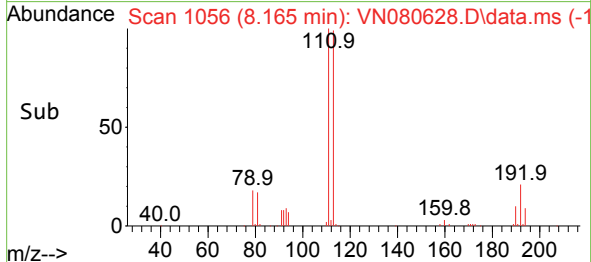
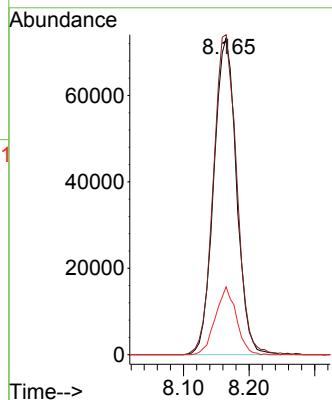
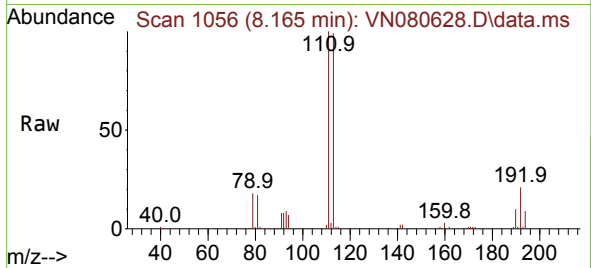




#35
Dibromofluoromethane
Concen: 39.314 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

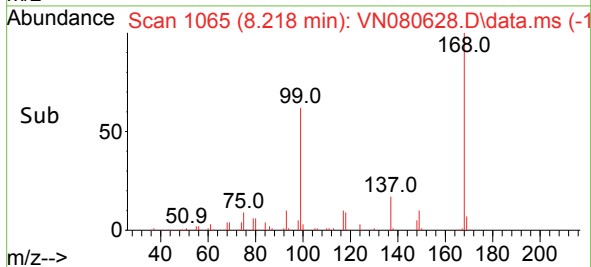
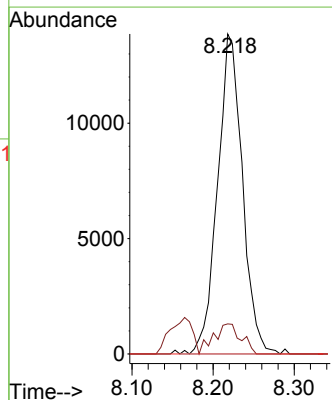
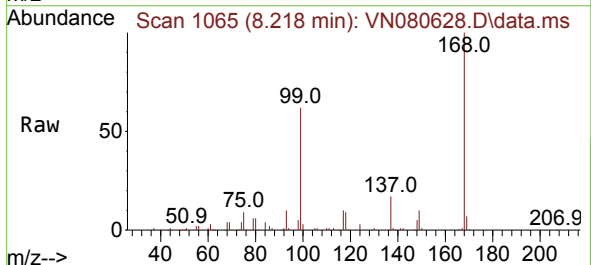
Instrument :
MSVOA_N
ClientSampleId :

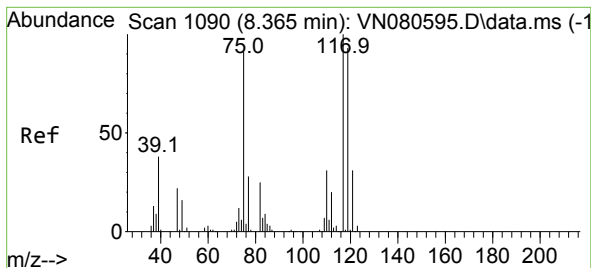
Tgt Ion:113 Resp: 175907
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 19.7 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.275 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

Tgt Ion: 75 Resp: 29440
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.467 ug/l

RT: 8.218 min Scan# 110

Delta R.T. -0.147 min

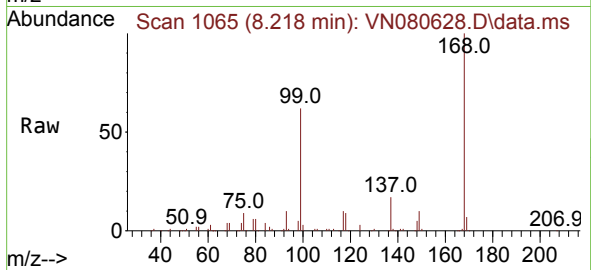
Lab File: VN080628.D

Acq: 02 Jan 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :



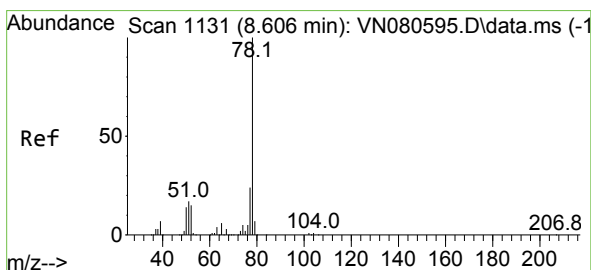
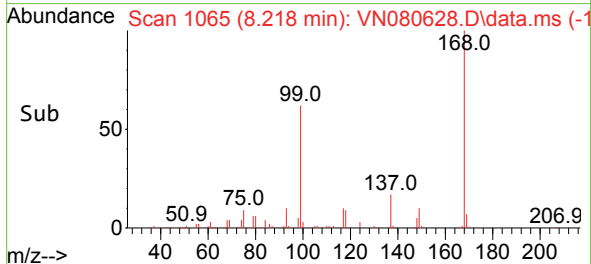
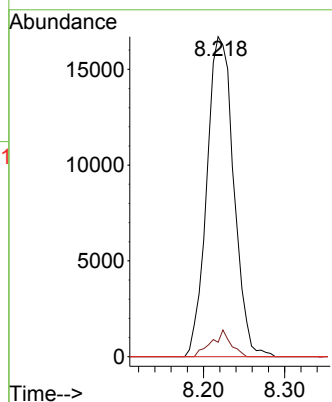
Tgt Ion:117 Resp: 38516

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 0.375 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN080628.D

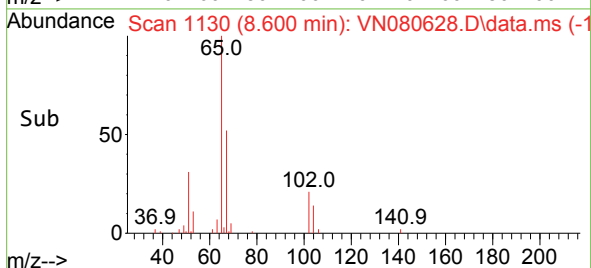
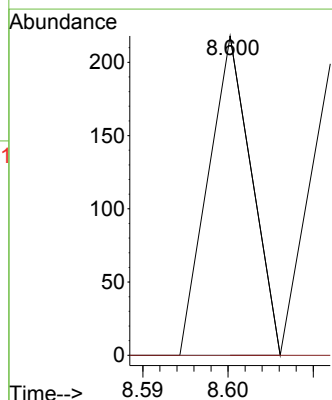
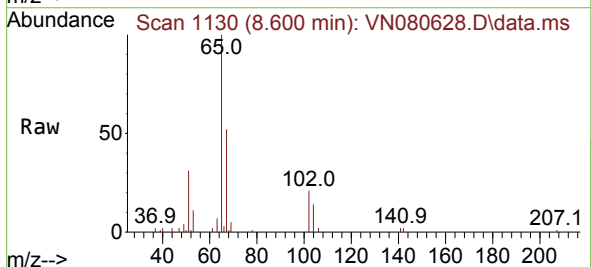
Acq: 02 Jan 2024 16:30

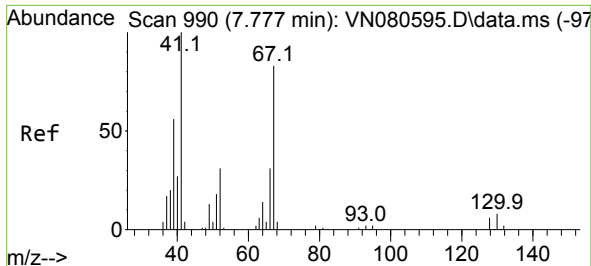
Tgt Ion: 78 Resp: 77

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#

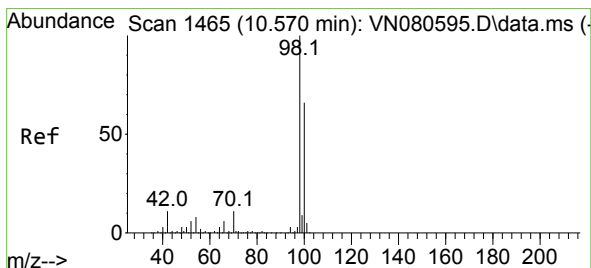
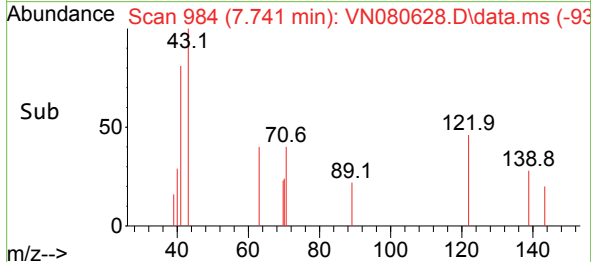
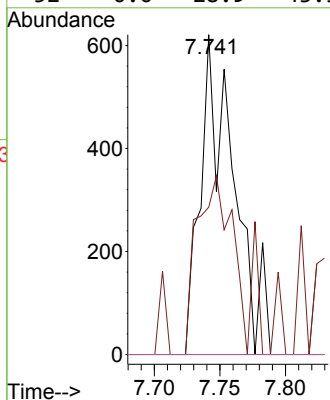
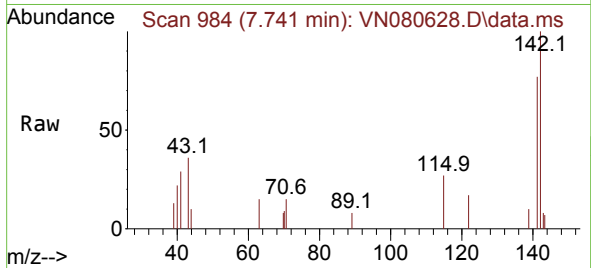




#41
Methacrylonitrile
Concen: 0.342 ug/l
RT: 7.741 min Scan# 91
Delta R.T. -0.035 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

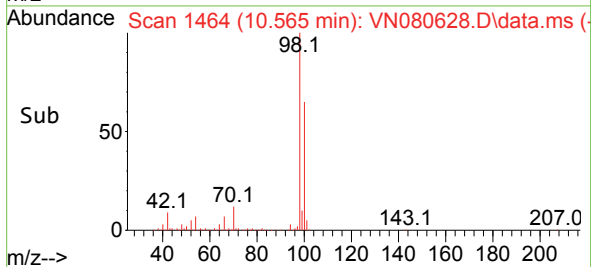
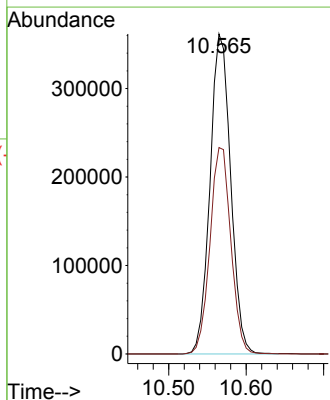
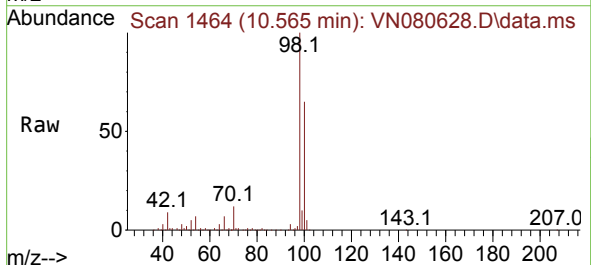
Instrument :
MSVOA_N
ClientSampleId :

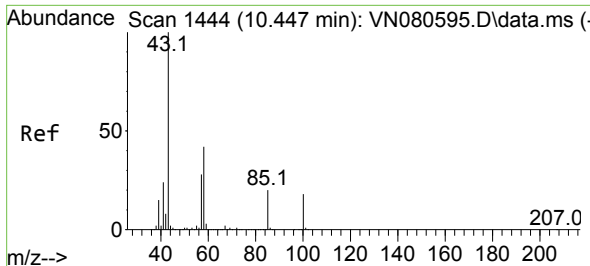
Tgt Ion: 41 Resp: 1096
Ion Ratio Lower Upper
41 100
39 59.2 42.6 64.0
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#



#50
Toluene-d8
Concen: 42.818 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

Tgt Ion: 98 Resp: 668920
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

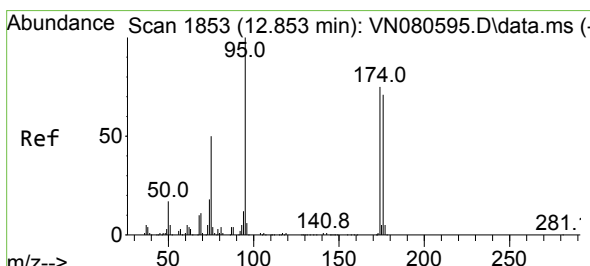
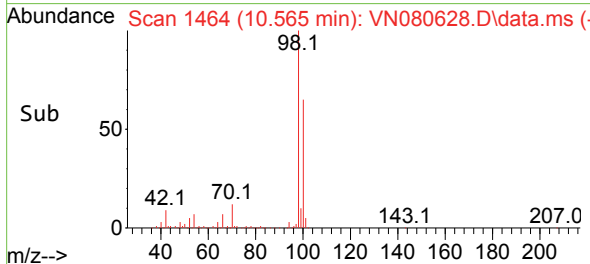
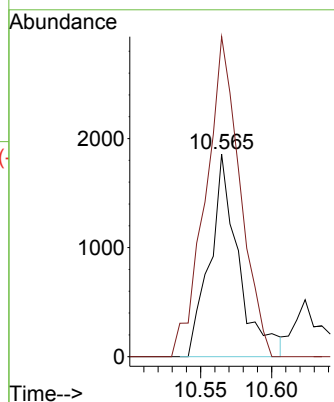
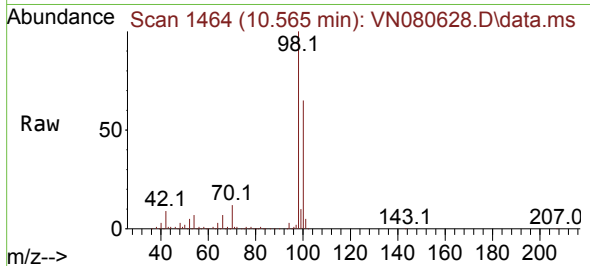




#51
4-Methyl-2-Pentanone
Concen: 0.542 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

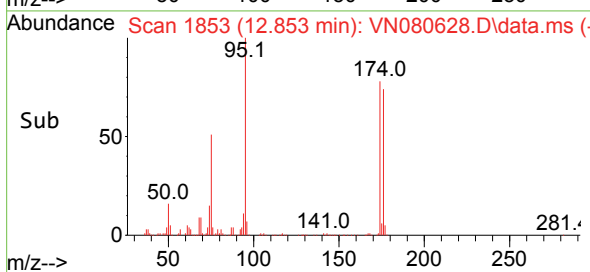
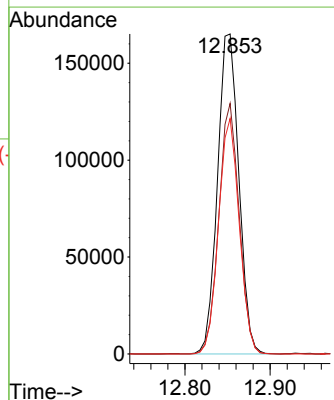
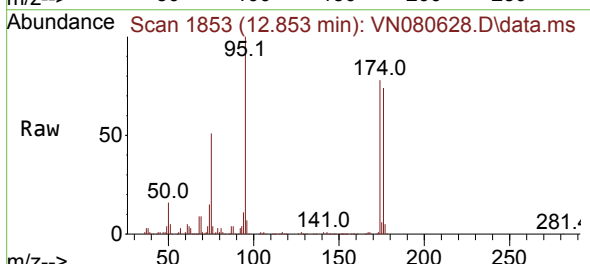
Instrument :
MSVOA_N
ClientSampleId :

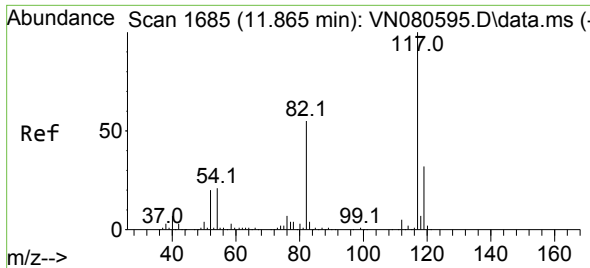
Tgt Ion: 43 Resp: 2594
Ion Ratio Lower Upper
43 100
58 191.2 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 54.681 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

Tgt Ion: 95 Resp: 287493
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 71.3 0.0 135.8

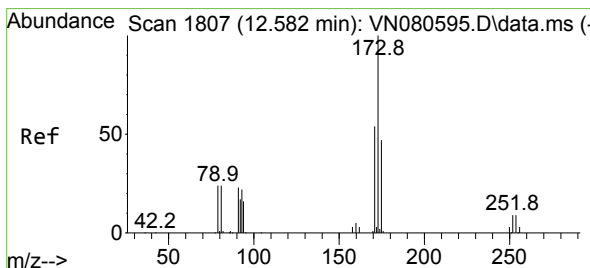
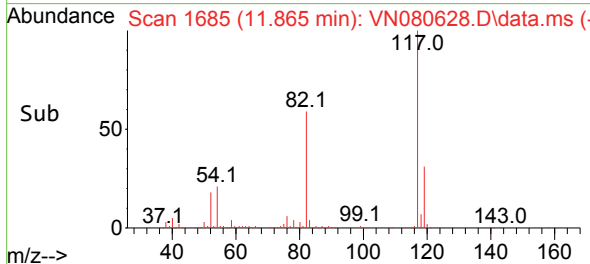
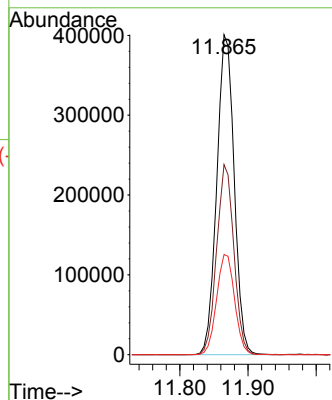
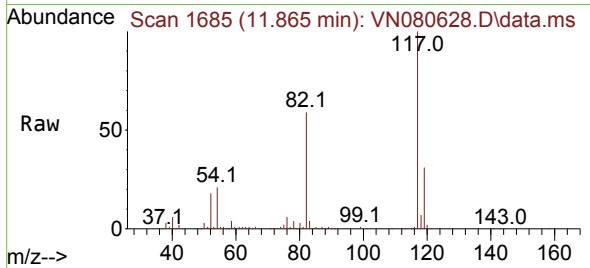




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

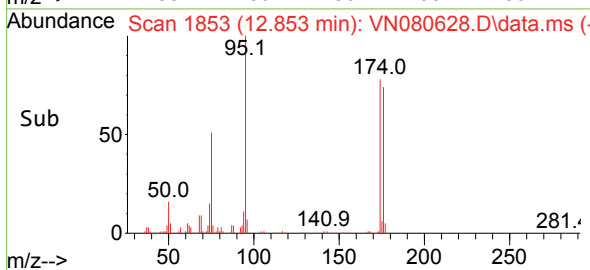
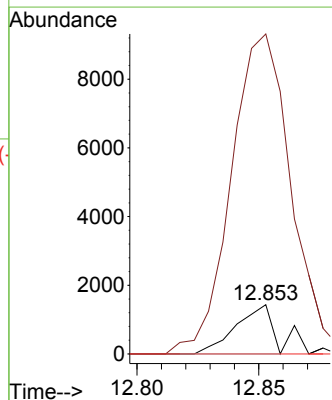
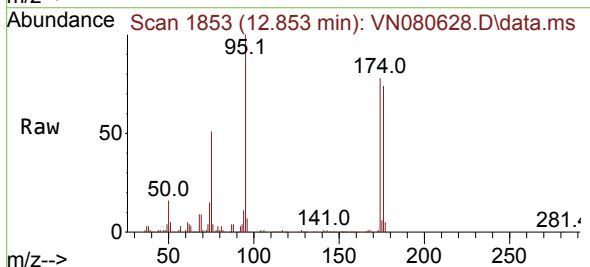
Instrument :
MSVOA_N
ClientSampleId :

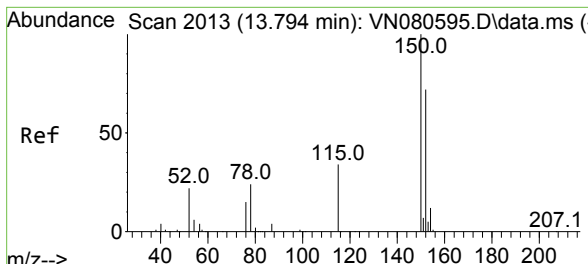
Tgt Ion:117 Resp: 711810
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.358 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080628.D
Acq: 02 Jan 2024 16:30

Tgt Ion:173 Resp: 1443
Ion Ratio Lower Upper
173 100
175 923.6 24.3 73.0#
254 0.0 0.0 0.0

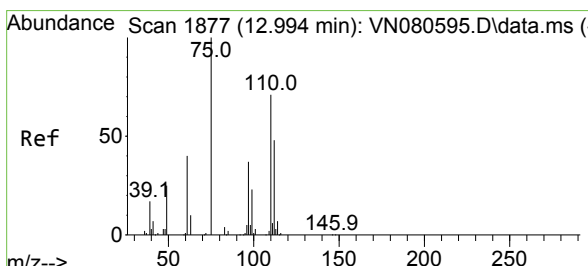
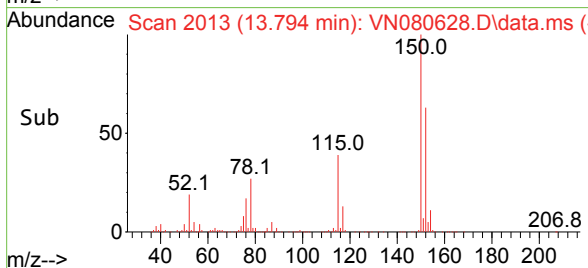
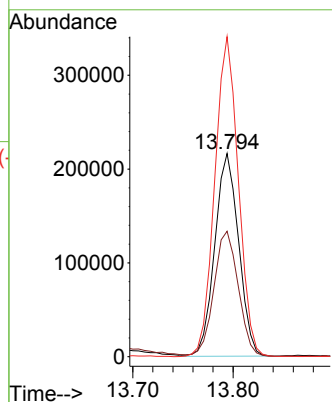
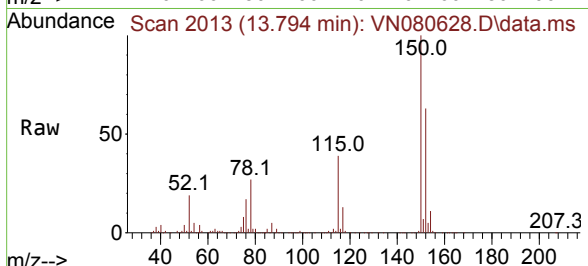




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080628.D
 Acq: 02 Jan 2024 16:30

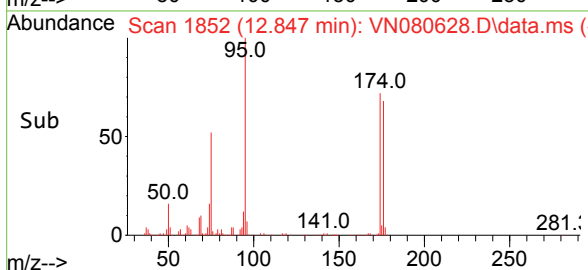
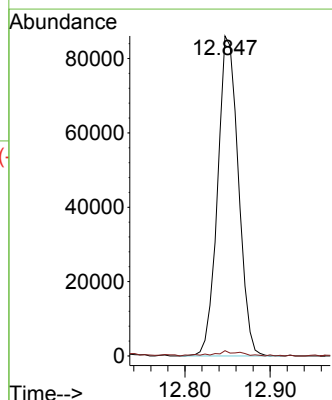
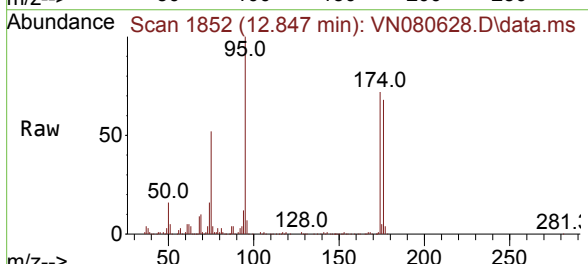
Instrument :
 MSVOA_N
 ClientSampleId :

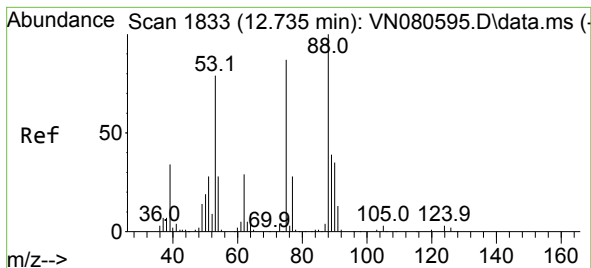
Tgt Ion:152 Resp: 357091
 Ion Ratio Lower Upper
 152 100
 115 63.1 32.3 96.8
 150 156.2 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 18.981 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080628.D
 Acq: 02 Jan 2024 16:30

Tgt Ion: 75 Resp: 145779
 Ion Ratio Lower Upper
 75 100
 77 2.0 84.5 253.5#

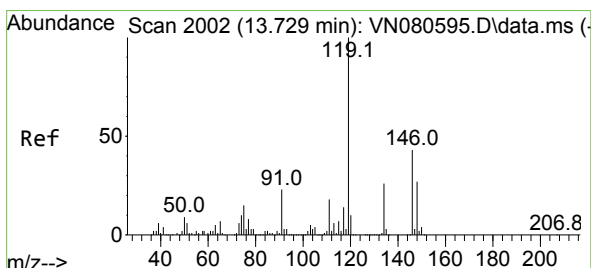
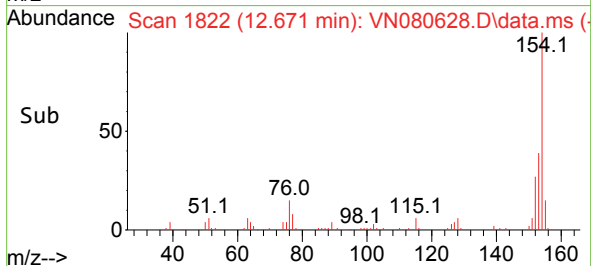
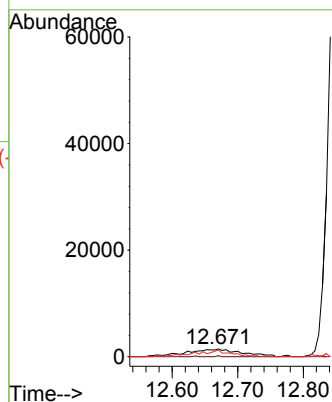
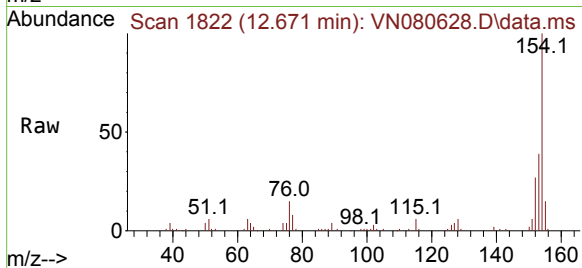




#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.561 ug/l
 RT: 12.671 min Scan# 11
 Delta R.T. -0.064 min
 Lab File: VN080628.D
 Acq: 02 Jan 2024 16:30

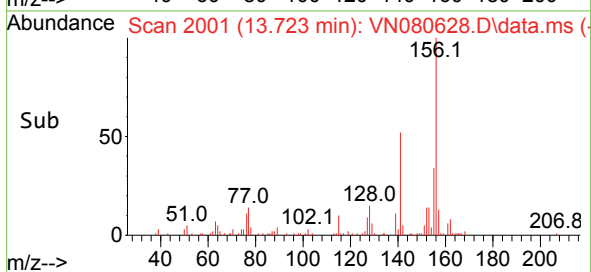
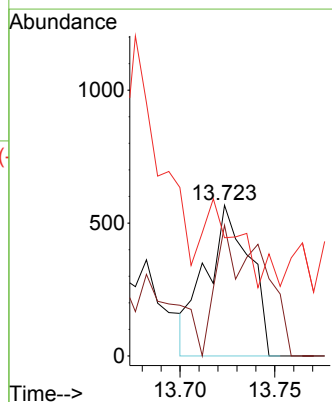
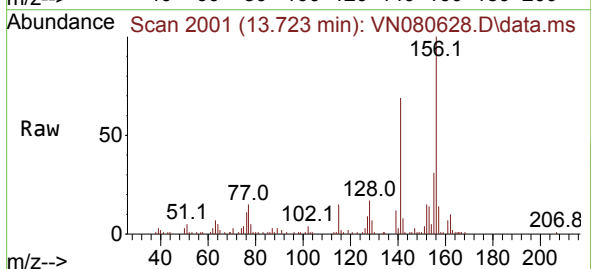
Instrument :
 MSVOA_N
 ClientSampleId :

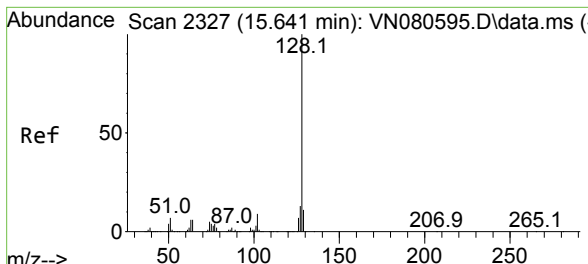
Tgt Ion: 75 Resp: 7261
 Ion Ratio Lower Upper
 75 100
 53 1.1 67.4 101.2#
 89 35.7 38.8 58.2#



#86
 p-Isopropyltoluene
 Concen: 0.498 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN080628.D
 Acq: 02 Jan 2024 16:30

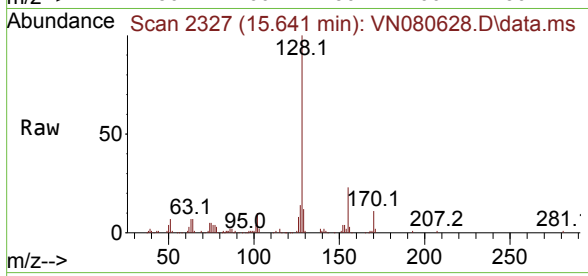
Tgt Ion: 119 Resp: 906
 Ion Ratio Lower Upper
 119 100
 134 91.6 12.6 37.8#
 91 0.0 12.4 37.2#





#95
 Naphthalene
 Concen: 7.139 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080628.D
 Acq: 02 Jan 2024 16:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 132362

Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.0	15.0#
129	13.7	8.7	13.1#

