

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080489.D
 Acq On : 14 Dec 2023 17:50
 Operator : JC\MD
 Sample : 05791-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 00:31:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

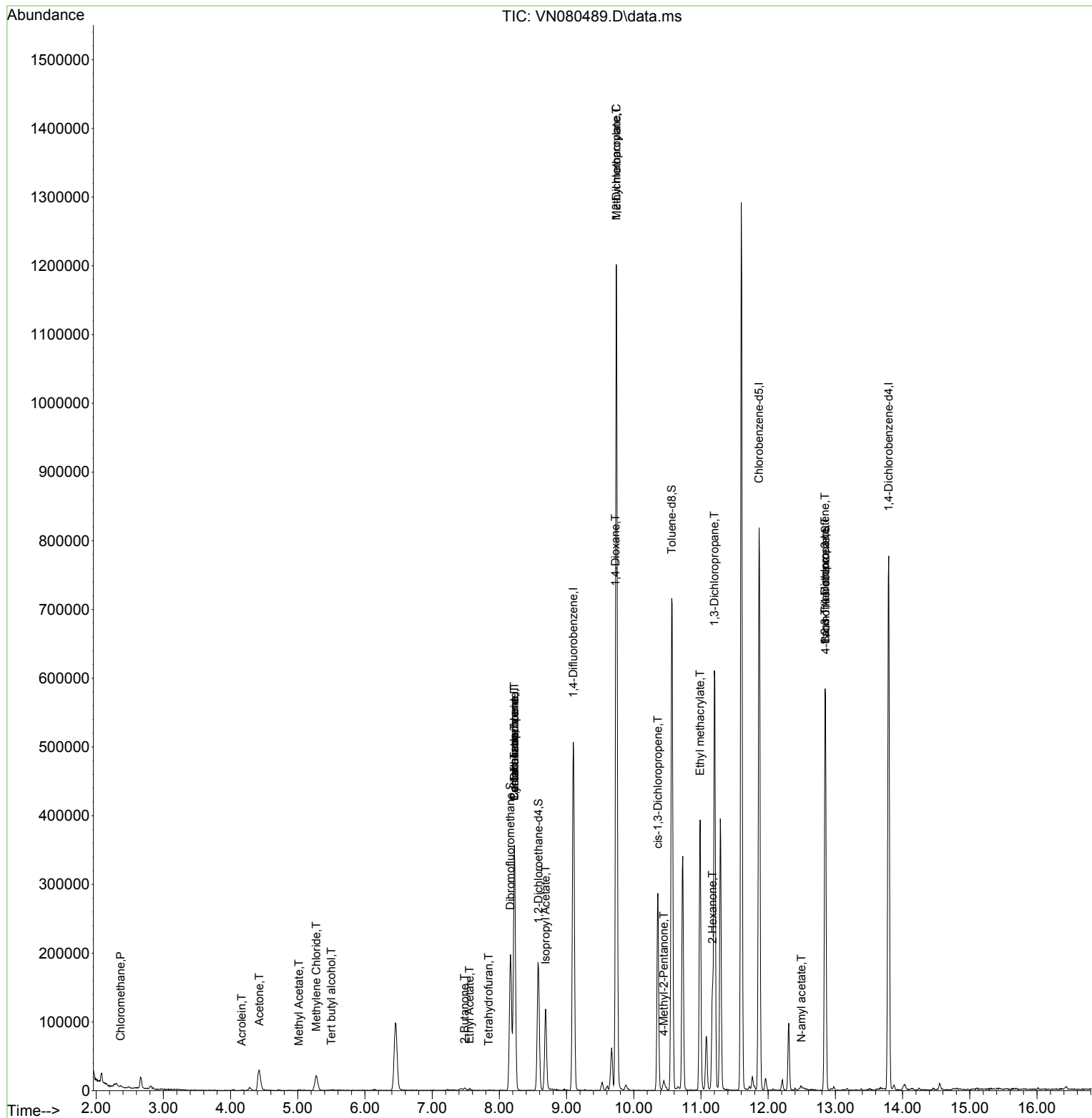
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	243799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	442266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	463595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	168653	54.162	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.320%	
35) Dibromofluoromethane	8.165	113	138975	49.561	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.120%	
50) Toluene-d8	10.565	98	508873	48.659	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.853	95	209403	52.731	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.460%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	2723	0.435	ug/l #	59
11) Tert butyl alcohol	5.500	59	1012	2.760	ug/l #	72
13) Acrolein	4.165	56	557	1.387	ug/l #	40
16) Acetone	4.430	43	57219	103.634	ug/l	97
18) Methyl Acetate	5.018	43	1115	0.314	ug/l #	66
20) Methylene Chloride	5.277	84	18830	6.373	ug/l	87
25) 2-Butanone	7.482	43	5742	5.399	ug/l	92
29) Tetrahydrofuran	7.841	42	353	0.463	ug/l #	20
31) Cyclohexane	8.224	56	4773	1.127	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	20699	4.515	ug/l #	50
37) Ethyl Acetate	7.559	43	2913	1.015	ug/l #	86
38) Carbon Tetrachloride	8.224	117	28187	5.145	ug/l #	14
43) Isopropyl Acetate	8.688	43	123089	23.844	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1420	0.457	ug/l #	45
48) Methyl methacrylate	9.741	41	105096	34.115	ug/l #	29
49) 1,4-Dioxane	9.729	88	96	2.056	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	12358	4.347	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	56055	10.128	ug/l #	64
56) Ethyl methacrylate	10.988	69	1655	0.497	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7326	1.389	ug/l #	42
59) 2-Hexanone	11.170	43	108892	51.880	ug/l #	19
74) N-amyl acetate	12.494	43	1005	0.203	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	115464	27.369	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	115464	71.861	ug/l #	15

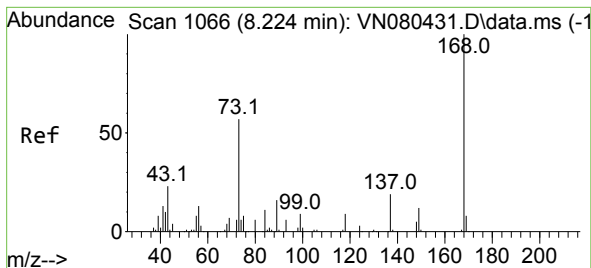
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080489.D

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Instrument :

MSVOA_N

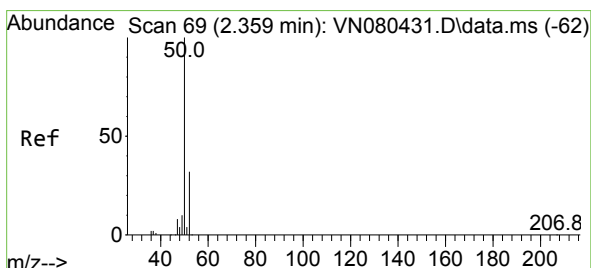
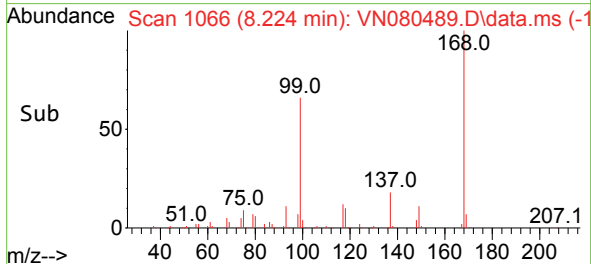
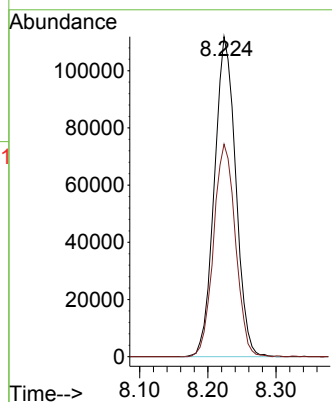
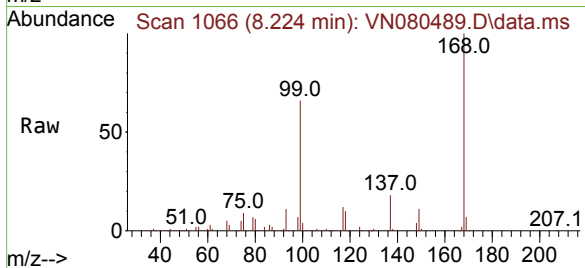
ClientSampleId :

Tgt Ion:168 Resp: 243799

Ion Ratio Lower Upper

168 100

99 66.4 53.0 79.6



#3

Chloromethane

Concen: 0.435 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080489.D

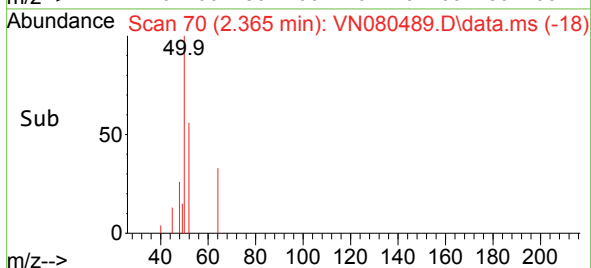
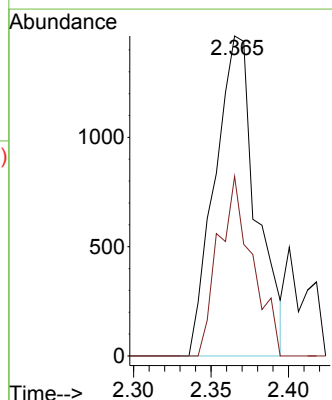
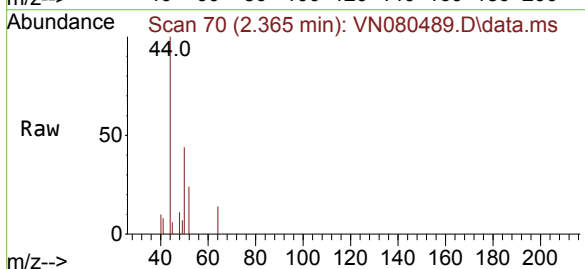
Acq: 14 Dec 2023 17:50

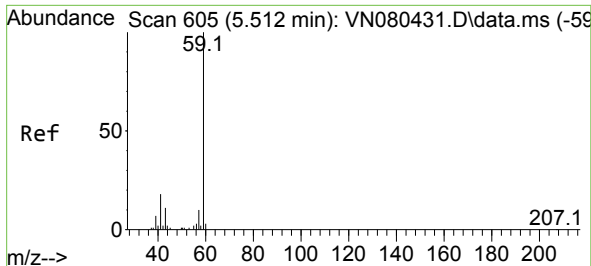
Tgt Ion: 50 Resp: 2723

Ion Ratio Lower Upper

50 100

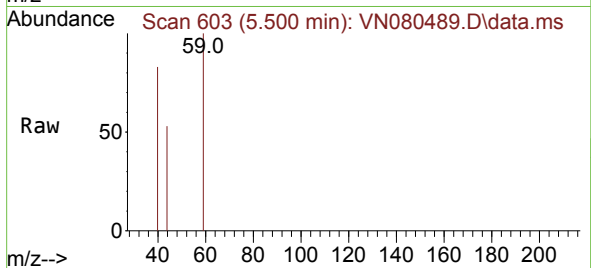
52 56.1 26.5 39.7#



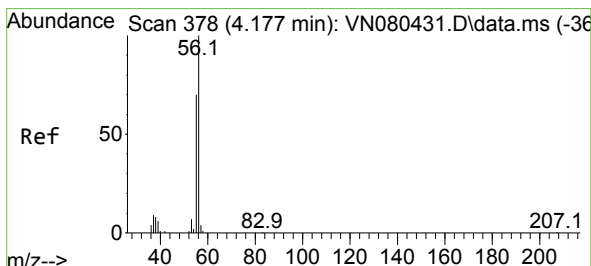
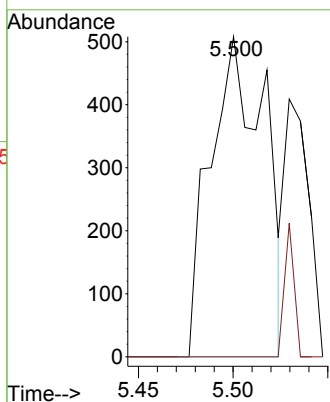
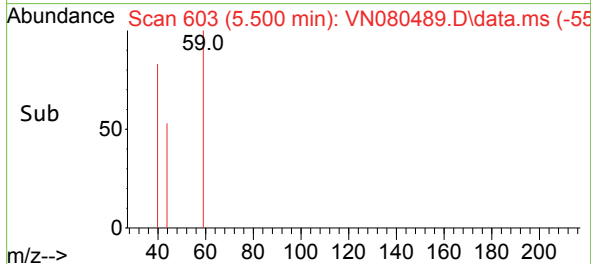


#11
Tert butyl alcohol
Concen: 2.760 ug/l
RT: 5.500 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :

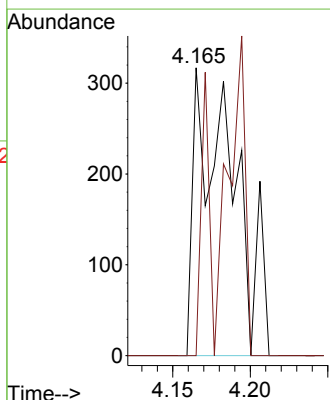
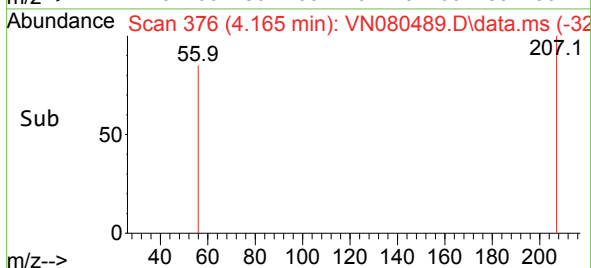
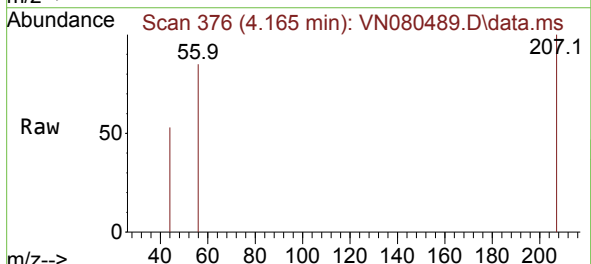


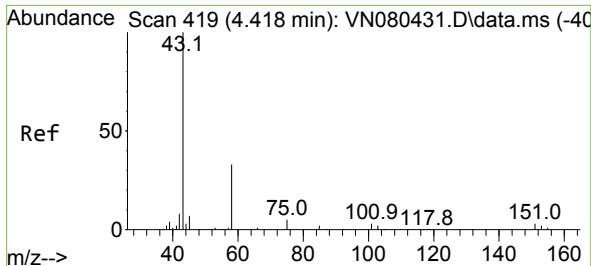
Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.387 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion: 56 Resp: 557
Ion Ratio Lower Upper
56 100
55 19.7 54.5 81.7#

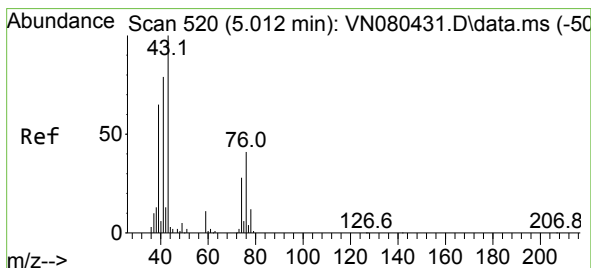
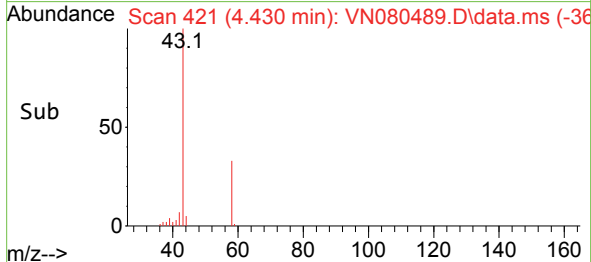
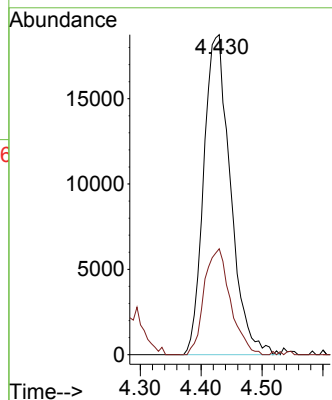
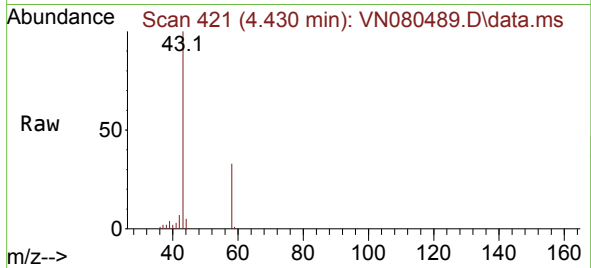




#16
Acetone
Concen: 103.634 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

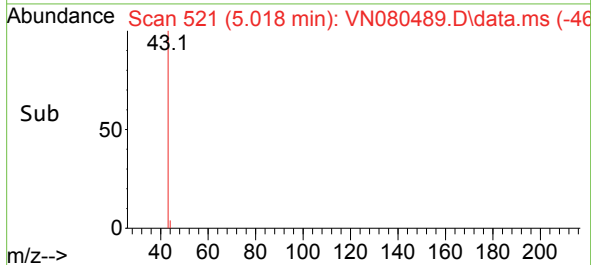
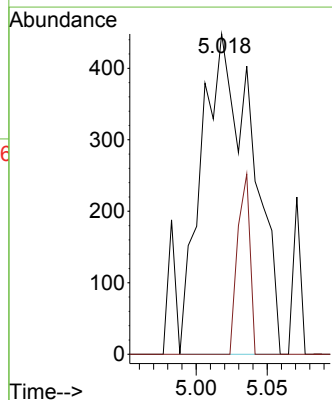
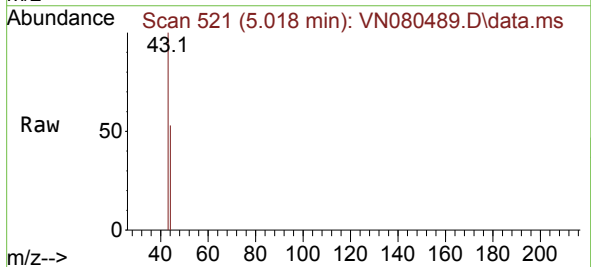
Instrument :
MSVOA_N
ClientSampleId :

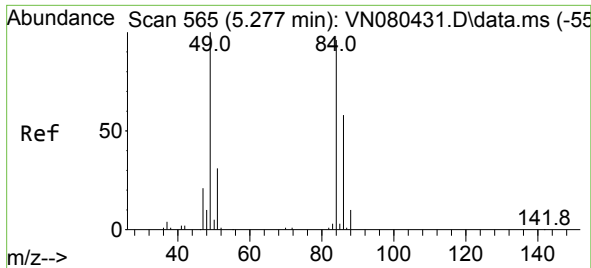
Tgt Ion: 43 Resp: 57219
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.314 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

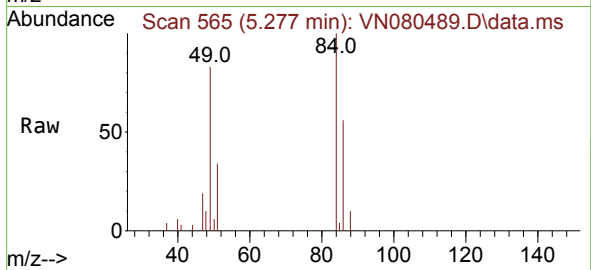
Tgt Ion: 43 Resp: 1115
Ion Ratio Lower Upper
43 100
74 13.6 26.2 39.4#



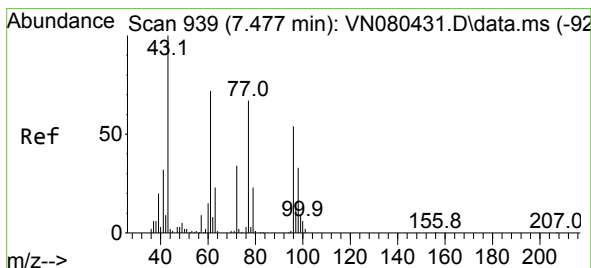
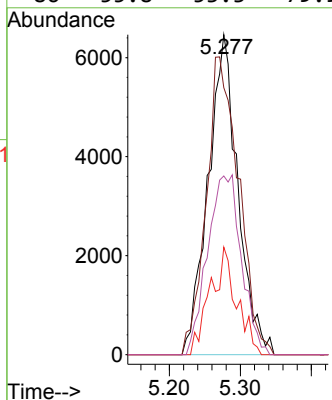


#20
Methylene Chloride
Concen: 6.373 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :

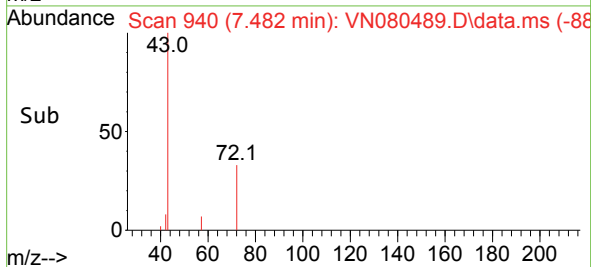
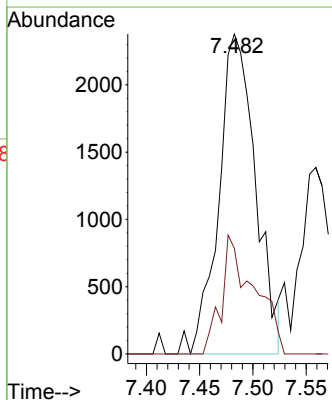
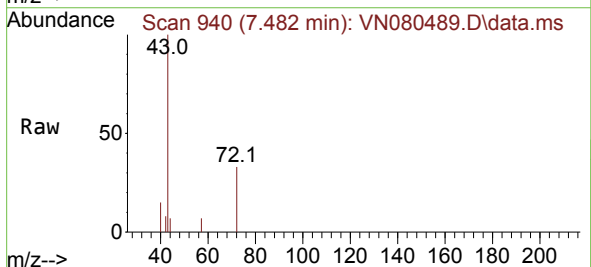


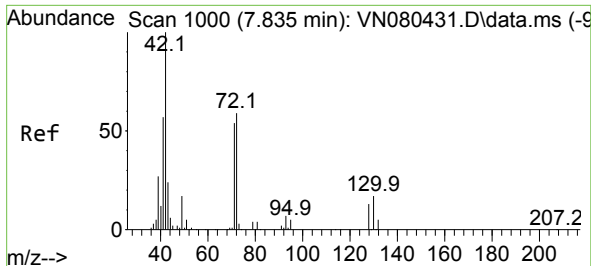
Tgt Ion:	84	Resp:	18830
Ion	Ratio	Lower	Upper
84	100		
49	83.5	79.7	119.5
51	33.6	25.2	37.8
86	55.8	53.3	79.9



#25
2-Butanone
Concen: 5.399 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion:	43	Resp:	5742
Ion	Ratio	Lower	Upper
43	100		
72	33.0	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.463 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

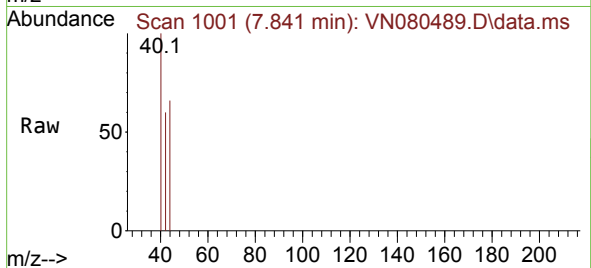
Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

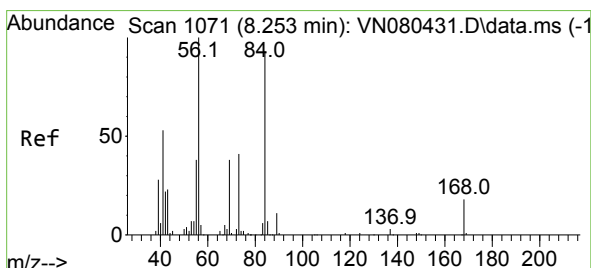
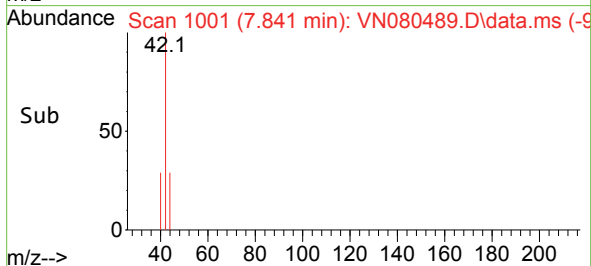
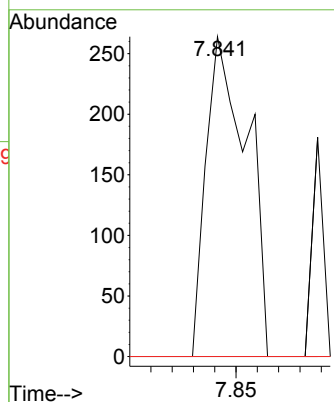
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	353
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.127 ug/l

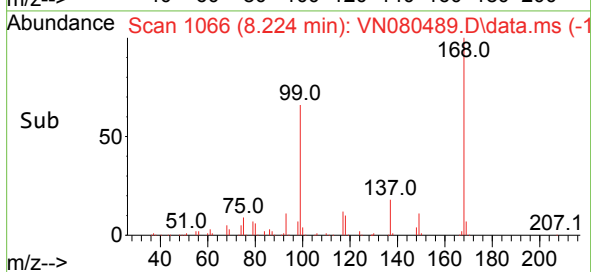
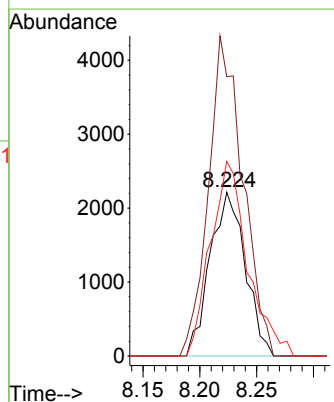
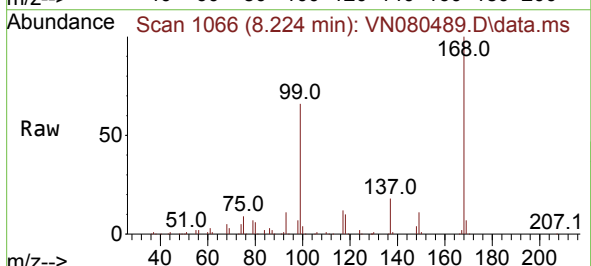
RT: 8.224 min Scan# 1066

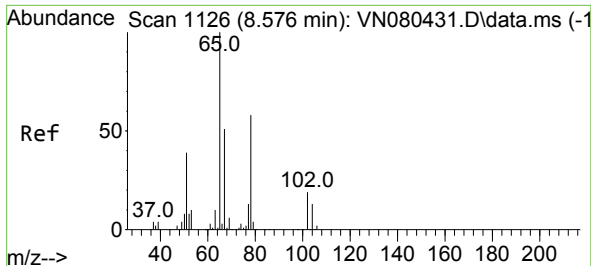
Delta R.T. -0.029 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Tgt Ion:	56	Resp:	4773
Ion	Ratio	Lower	Upper
56	100		
69	170.7	26.8	40.2#
84	118.9	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 54.162 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

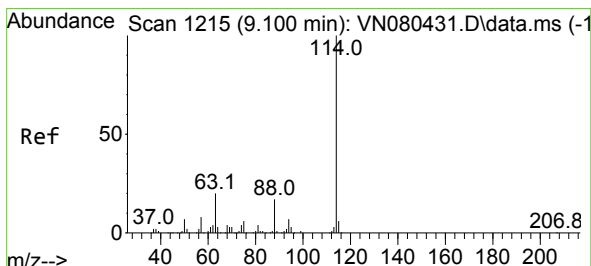
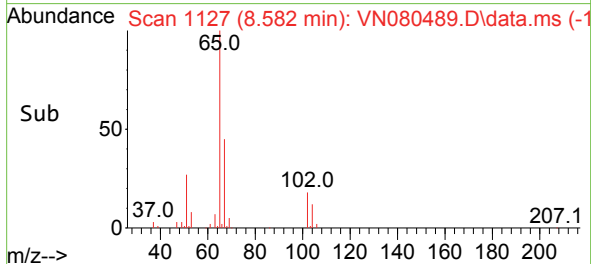
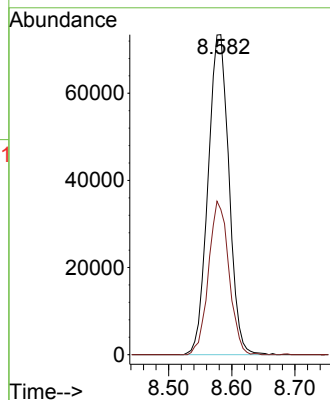
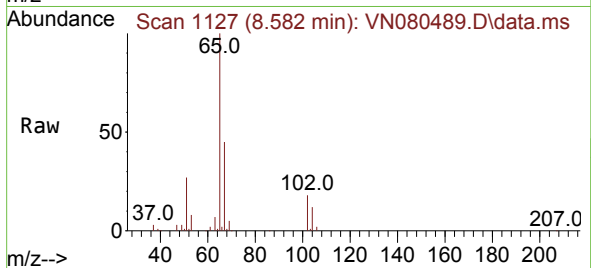
ClientSampleId :

Tgt Ion: 65 Resp: 168653

Ion Ratio Lower Upper

65 100

67 46.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

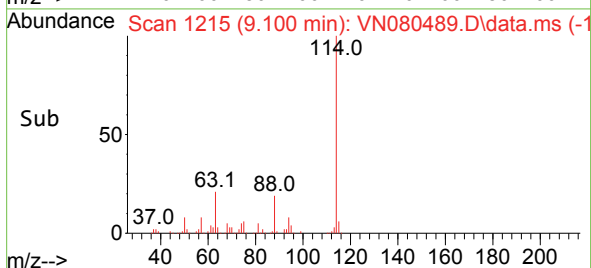
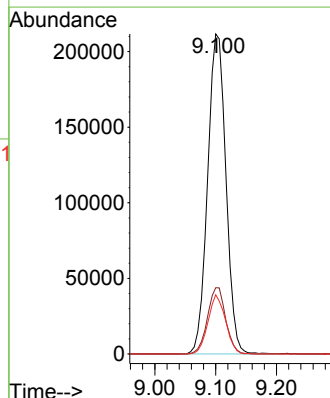
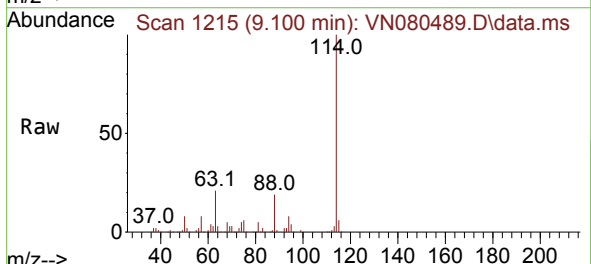
Tgt Ion: 114 Resp: 442266

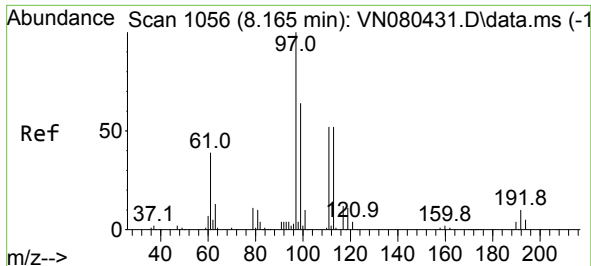
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 18.5 0.0 30.6

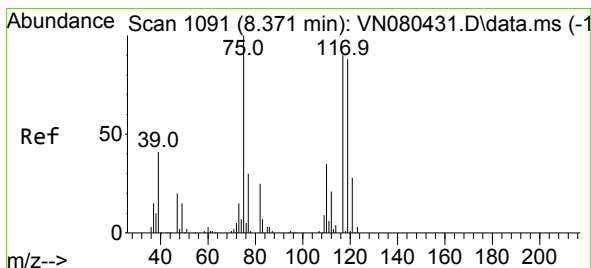
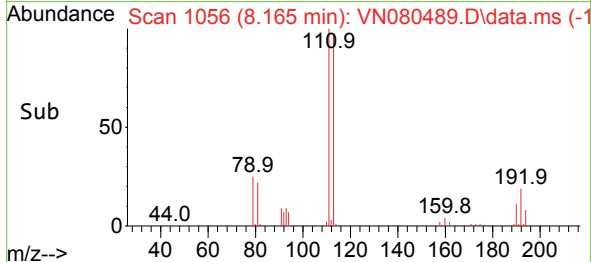
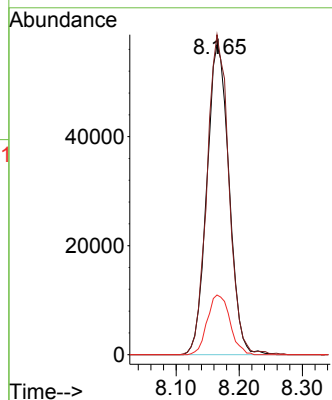
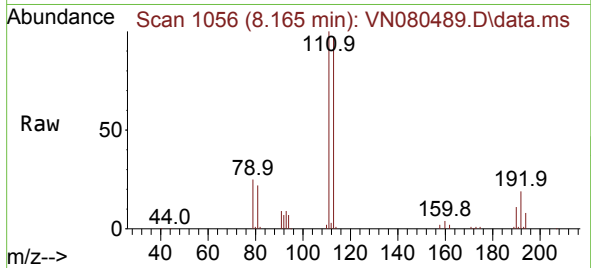




#35
Dibromofluoromethane
Concen: 49.561 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

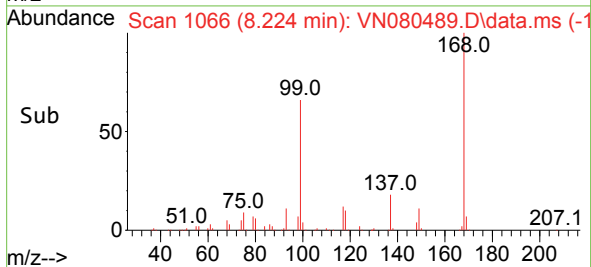
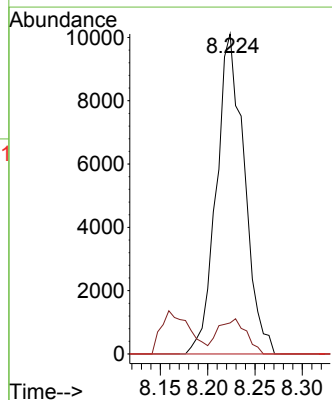
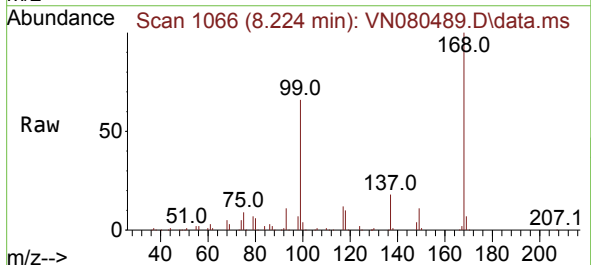
Instrument :
MSVOA_N
ClientSampleId :

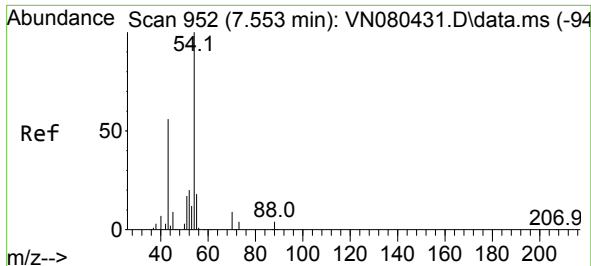
Tgt Ion:113 Resp: 138975
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 19.6 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion: 75 Resp: 20699
Ion Ratio Lower Upper
75 100
110 11.0 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.015 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

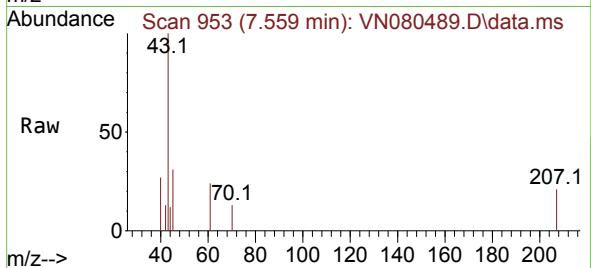
Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :



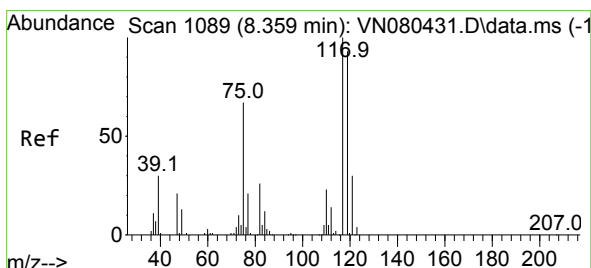
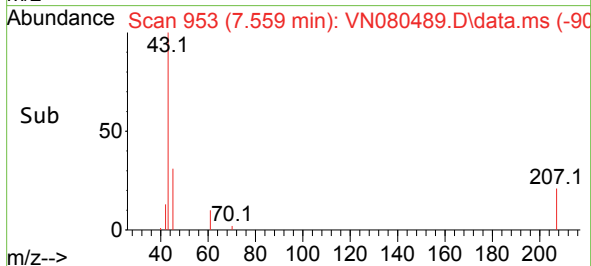
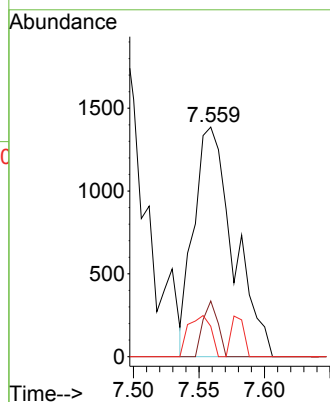
Tgt Ion: 43 Resp: 2913

Ion Ratio Lower Upper

43 100

61 9.2 13.2 19.8#

70 10.2 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.145 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

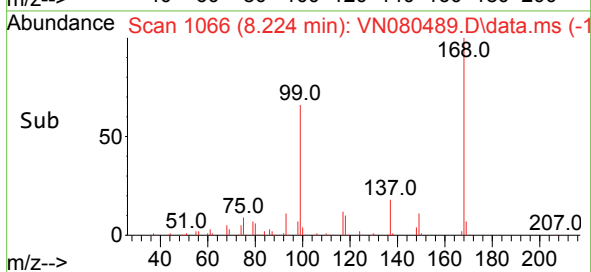
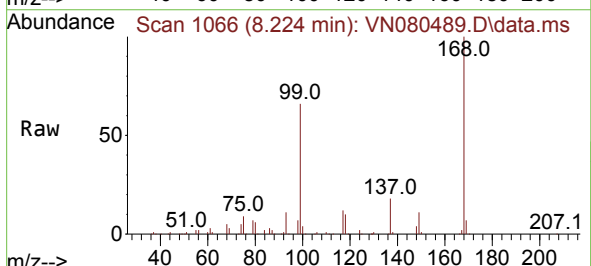
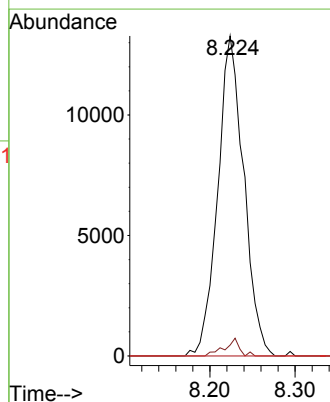
Tgt Ion: 117 Resp: 28187

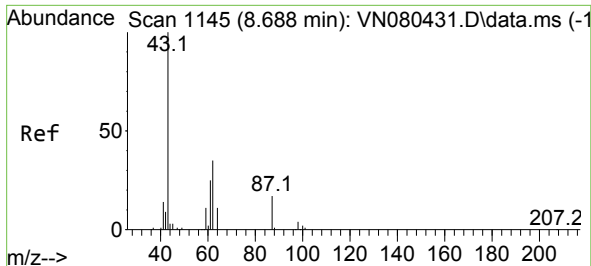
Ion Ratio Lower Upper

117 100

119 3.4 77.3 115.9#

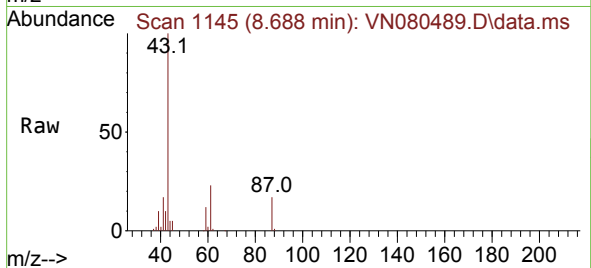
121 0.0 23.3 34.9#



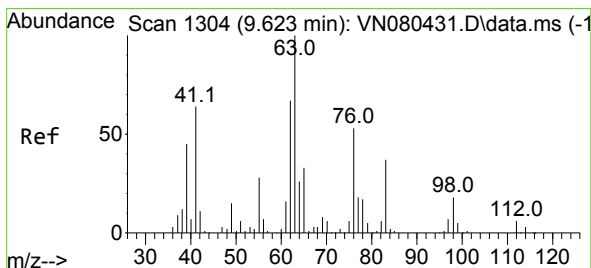
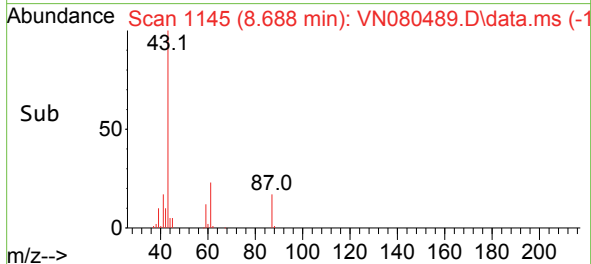
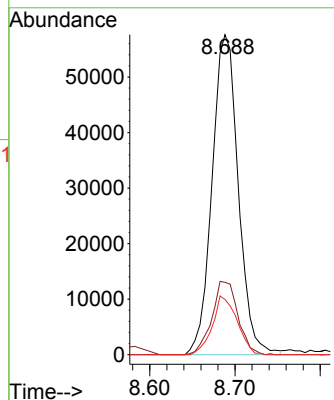


#43
Isopropyl Acetate
Concen: 23.844 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :

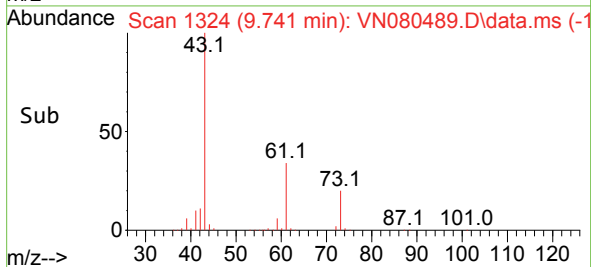
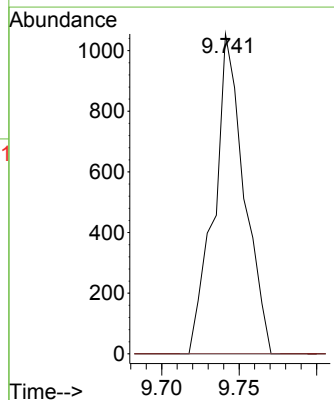
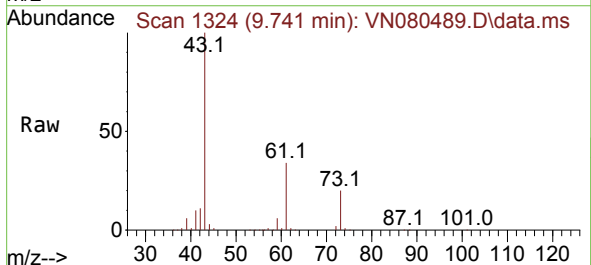


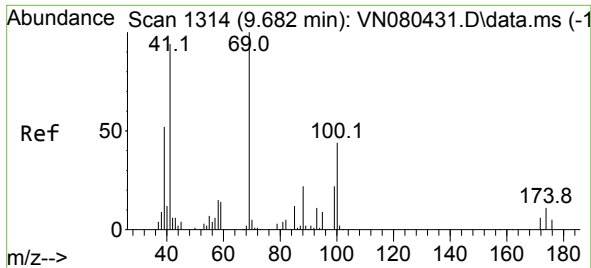
Tgt Ion: 43 Resp: 123089
Ion Ratio Lower Upper
43 100
61 22.8 24.7 37.1#
87 17.3 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.457 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion: 63 Resp: 1420
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

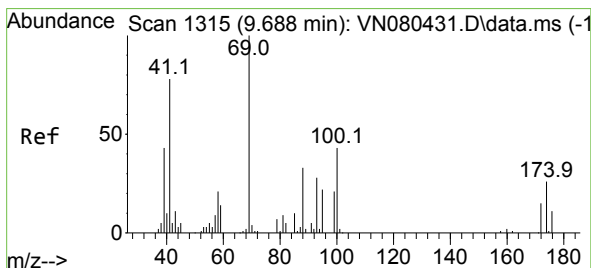
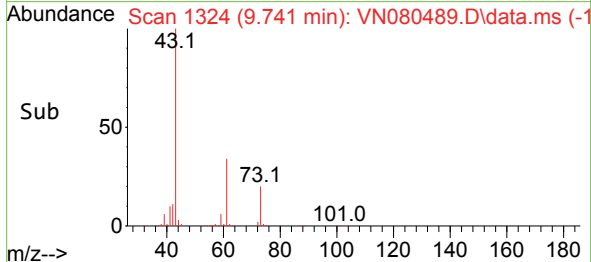
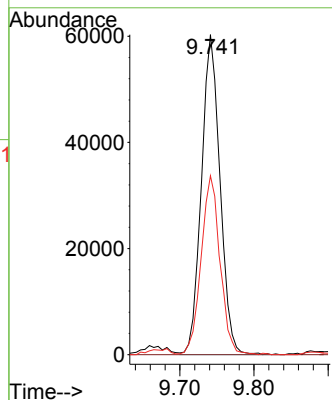
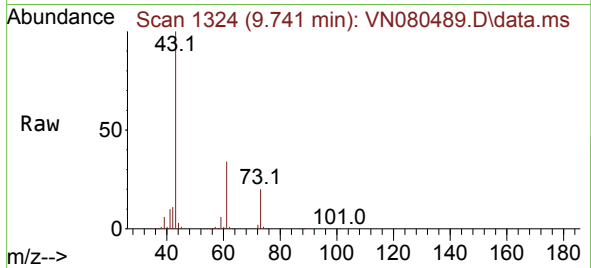




#48
Methyl methacrylate
Concen: 34.115 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

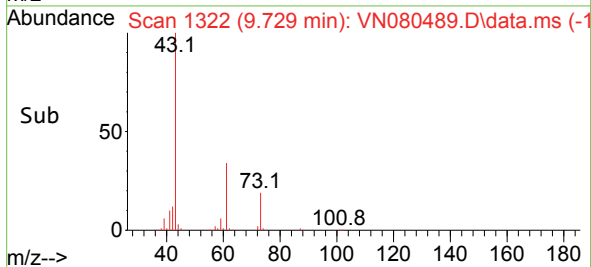
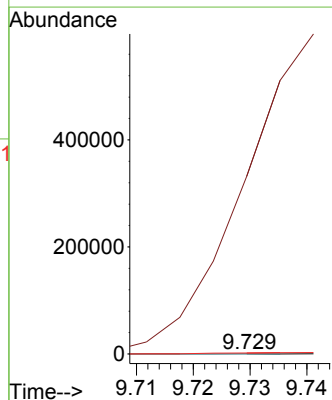
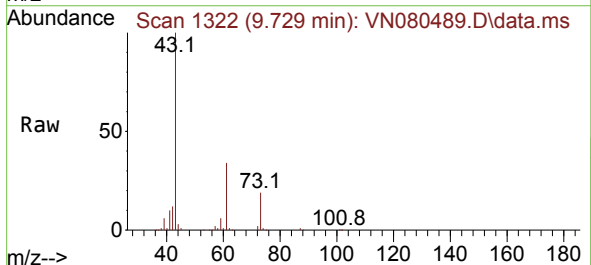
Instrument :
MSVOA_N
ClientSampleId :

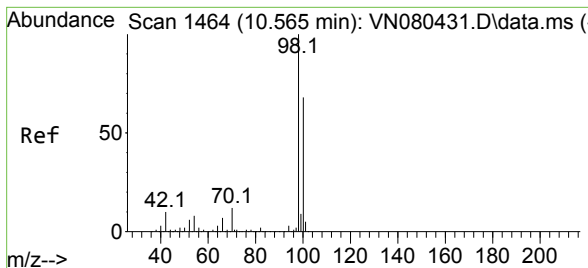
Tgt Ion: 41 Resp: 105096
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 56.8 54.6 81.8



#49
1,4-Dioxane
Concen: 2.056 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.041 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

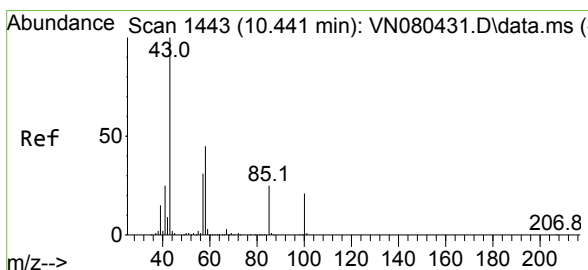
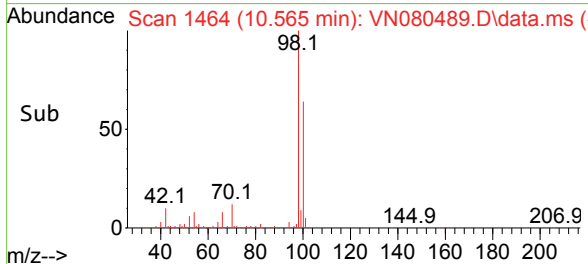
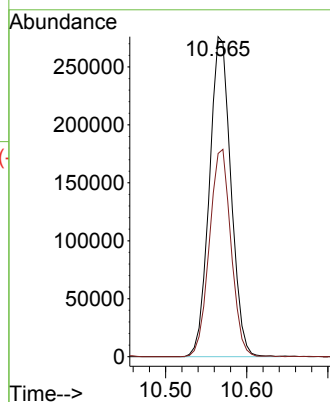
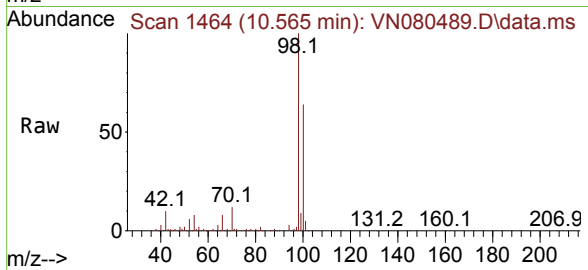




#50
Toluene-d8
Concen: 48.659 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

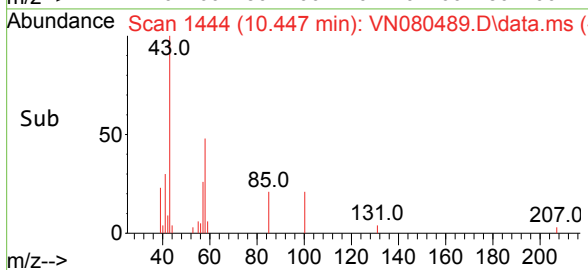
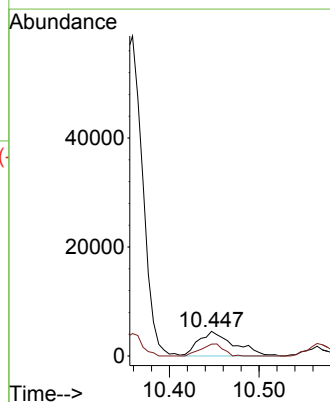
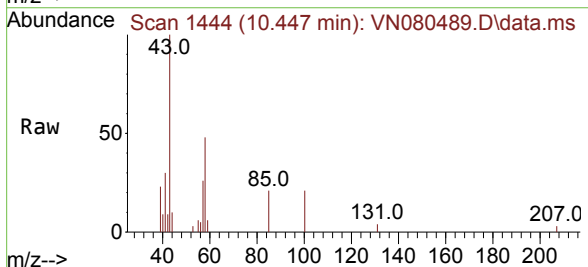
Instrument :
MSVOA_N
ClientSampleId :

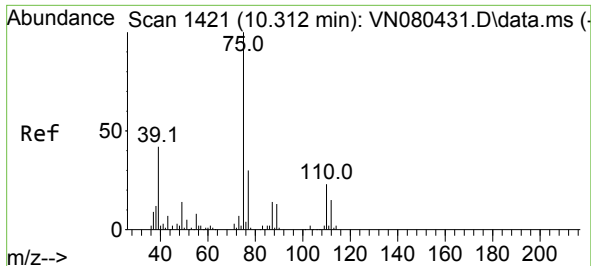
Tgt Ion: 98 Resp: 508873
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.347 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion: 43 Resp: 12358
Ion Ratio Lower Upper
43 100
58 31.1 36.6 54.8#

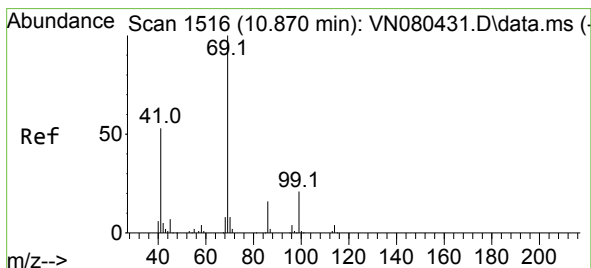
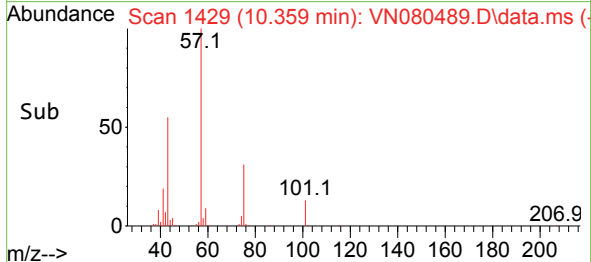
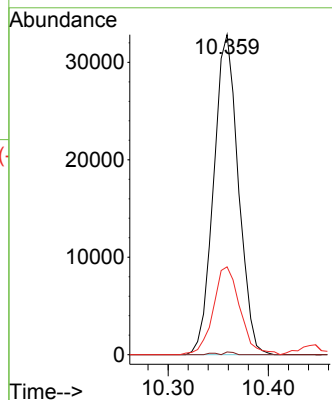
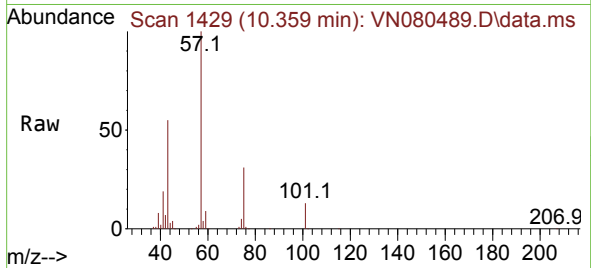




#54
 cis-1,3-Dichloropropene
 Concen: 10.128 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080489.D
 Acq: 14 Dec 2023 17:50

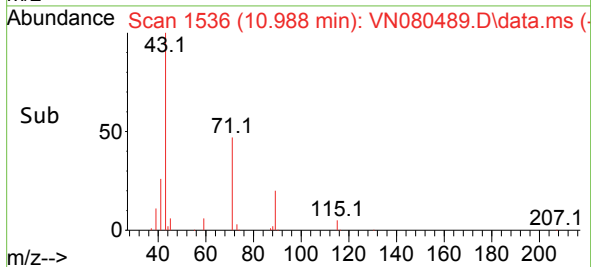
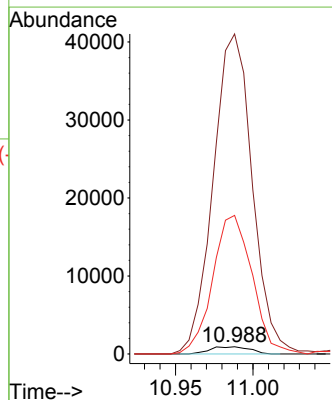
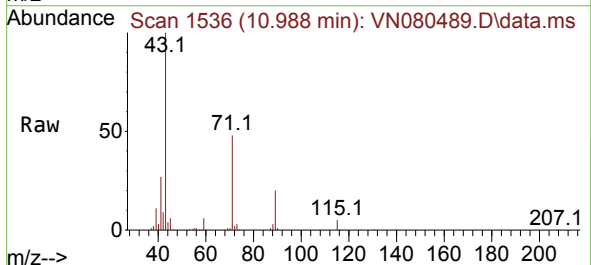
Instrument :
 MSVOA_N
 ClientSampleId :

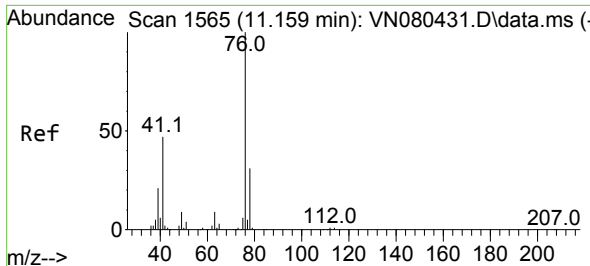
Tgt Ion: 75 Resp: 56055
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 27.5 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.497 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN080489.D
 Acq: 14 Dec 2023 17:50

Tgt Ion: 69 Resp: 1655
 Ion Ratio Lower Upper
 69 100
 41 4363.7 39.6 59.4#
 39 1899.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.389 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

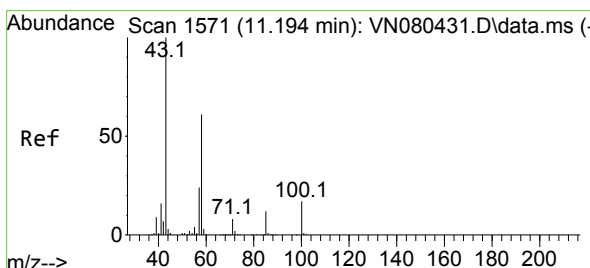
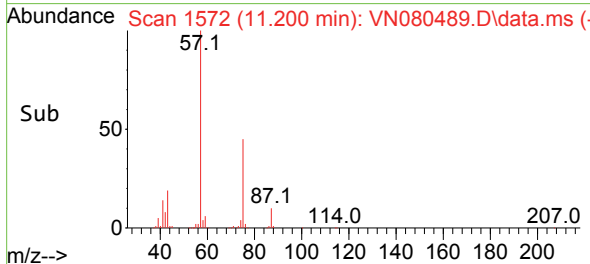
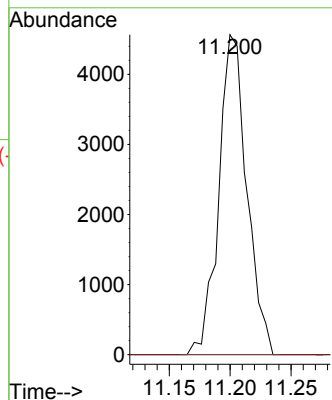
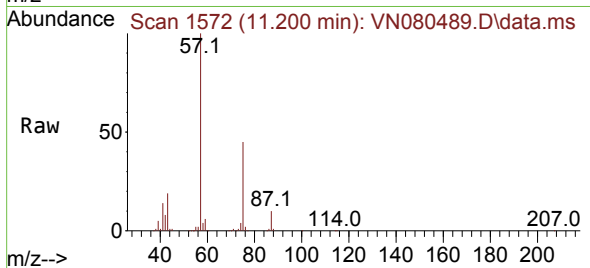
ClientSampleId :

Tgt Ion: 76 Resp: 7326

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 51.880 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080489.D

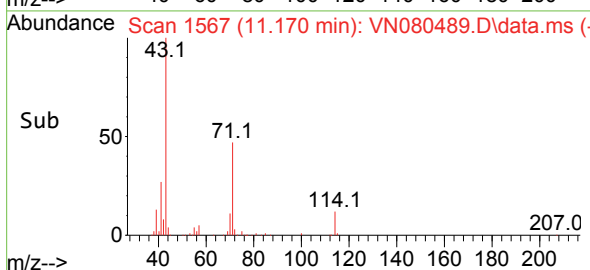
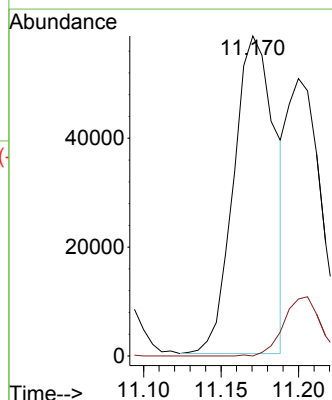
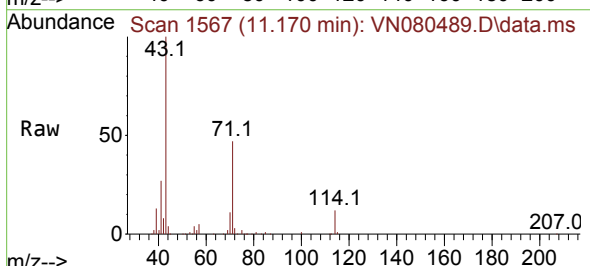
Acq: 14 Dec 2023 17:50

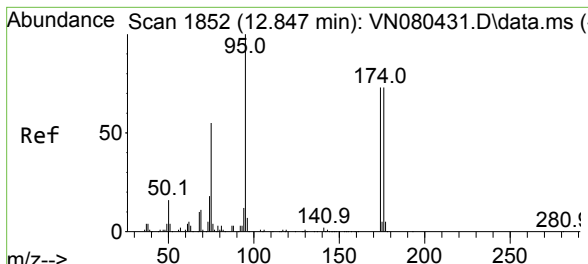
Tgt Ion: 43 Resp: 108892

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

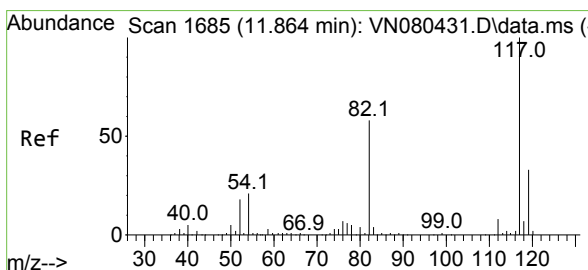
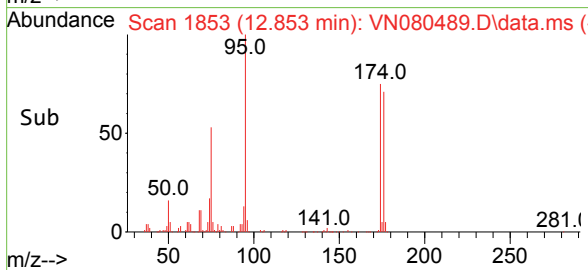
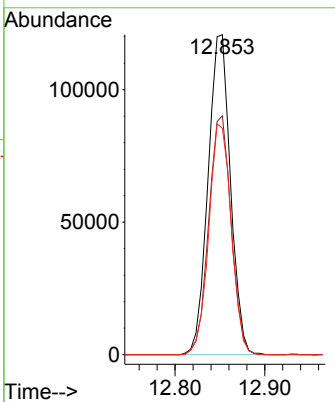
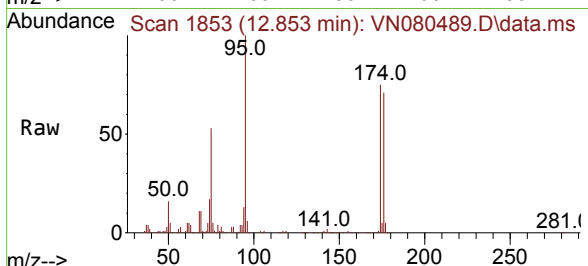




#62
4-Bromofluorobenzene
Concen: 52.731 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

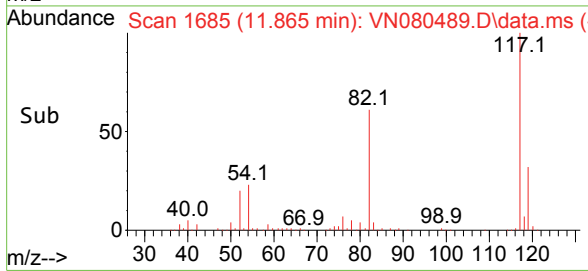
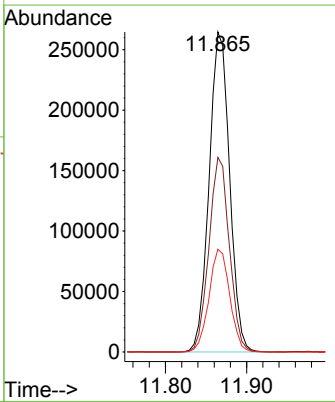
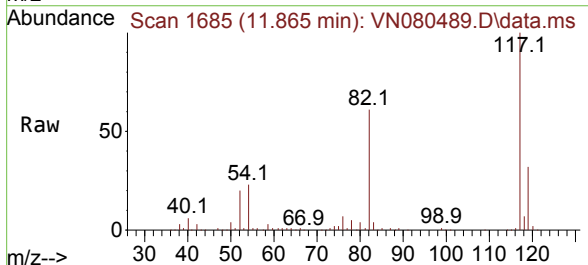
Instrument :
MSVOA_N
ClientSampleId :

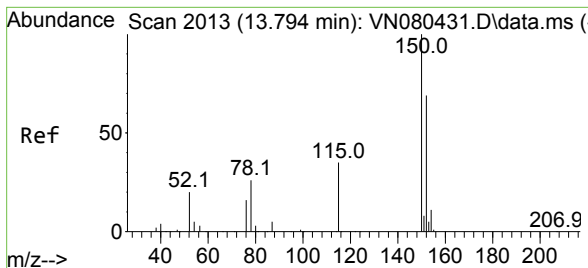
Tgt Ion:	95	Resp:	209403
Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	143.8
176	72.1	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080489.D
Acq: 14 Dec 2023 17:50

Tgt Ion:	117	Resp:	463595
Ion	Ratio	Lower	Upper
117	100		
82	60.8	44.0	66.0
119	32.1	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

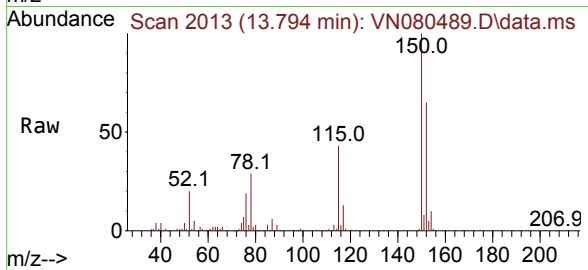
Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :



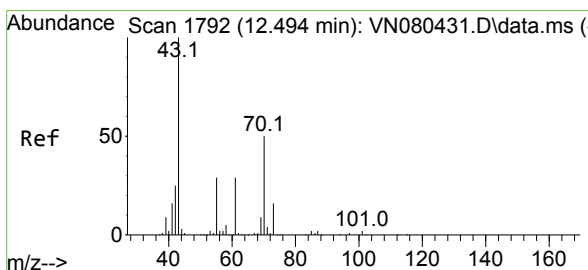
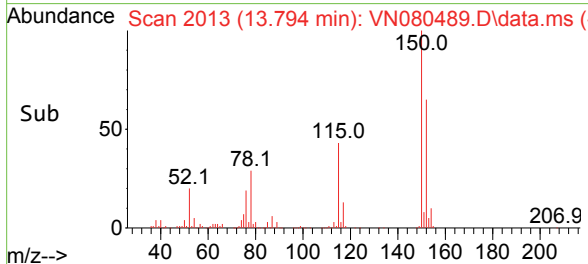
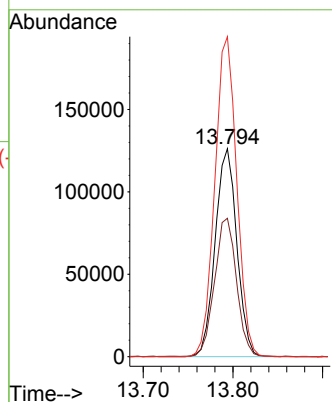
Tgt Ion:152 Resp: 211469

Ion Ratio Lower Upper

152 100

115 67.7 32.3 96.8

150 155.8 0.0 355.8



#74

N-ethyl acetate

Concen: 0.203 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Tgt Ion: 43 Resp: 1005

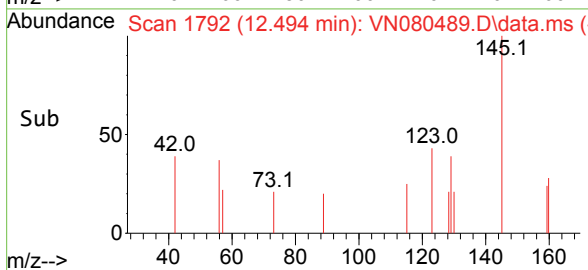
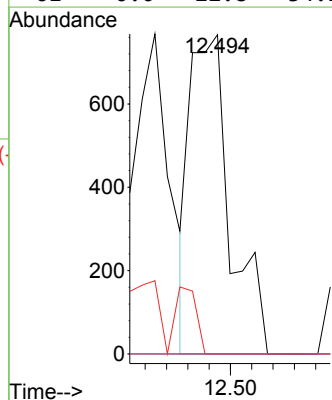
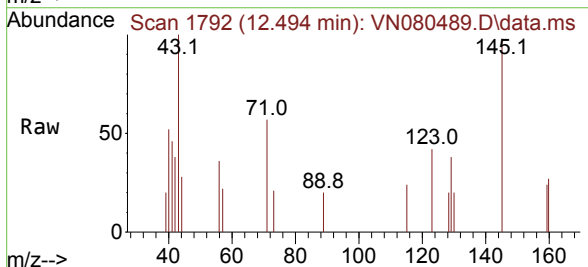
Ion Ratio Lower Upper

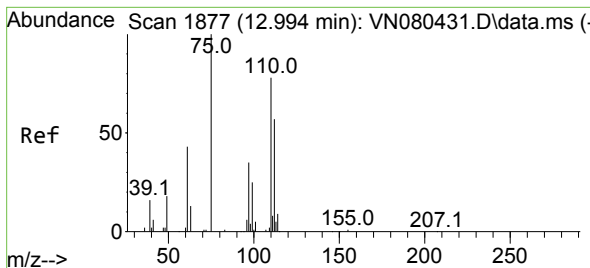
43 100

70 0.0 43.4 65.2#

55 10.9 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.369 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Instrument :

MSVOA_N

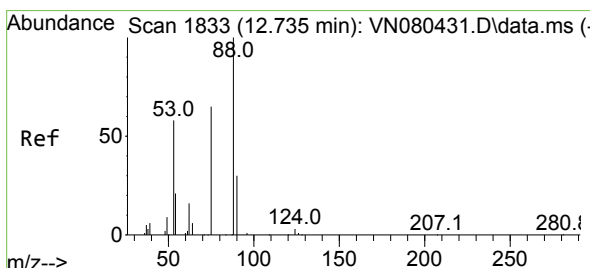
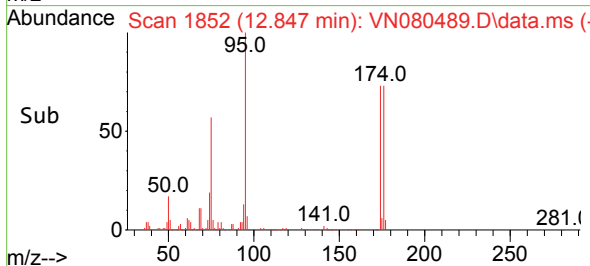
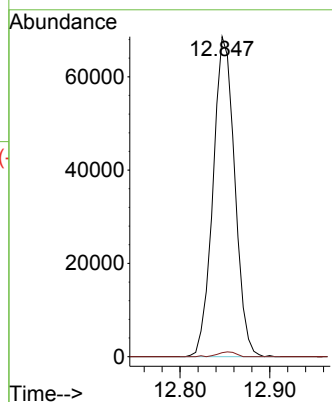
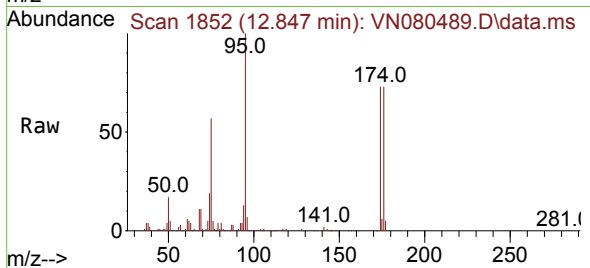
ClientSampleId :

Tgt Ion: 75 Resp: 115464

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.861 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080489.D

Acq: 14 Dec 2023 17:50

Tgt Ion: 75 Resp: 115464

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

