

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
 Data File : VN083489.D
 Acq On : 26 Aug 2024 18:10
 Operator : JC\MD
 Sample : P3706-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 27 02:01:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

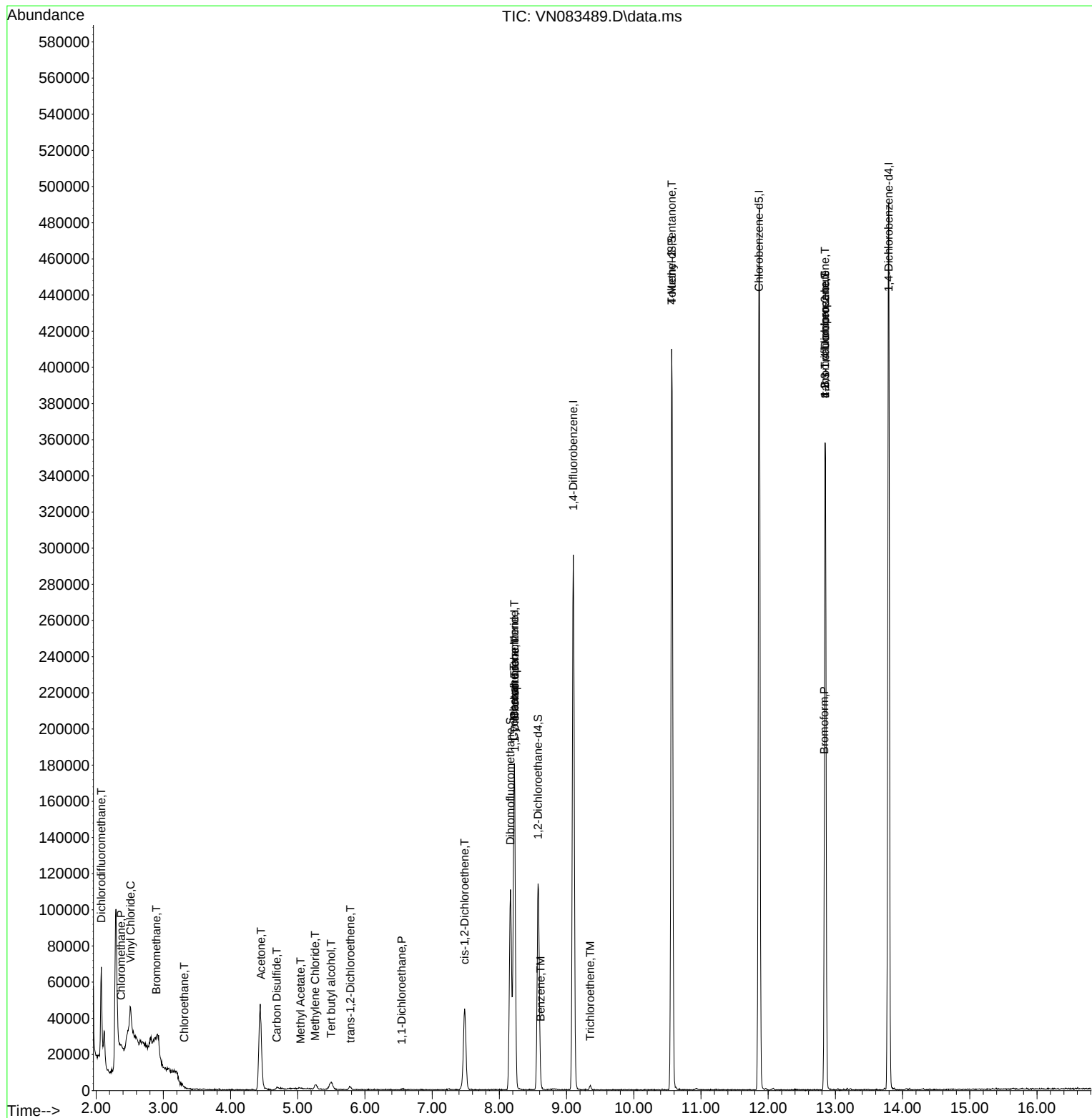
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	123588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97310	55.317	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.640%	
35) Dibromofluoromethane	8.165	113	77597	50.357	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.720%	
50) Toluene-d8	10.565	98	279930	48.700	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	12.847	95	127032	56.687	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.380%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.077	85	3548	2.532	ug/l	93
3) Chloromethane	2.371	50	1636	1.140	ug/l #	43
4) Vinyl Chloride	2.512	62	9606	6.561	ug/l #	44
5) Bromomethane	2.895	94	251	0.276	ug/l	82
6) Chloroethane	3.312	64	393	0.429	ug/l #	41
11) Tert butyl alcohol	5.494	59	4687	12.821	ug/l #	71
16) Acetone	4.453	43	2544	3.696	ug/l #	48
17) Carbon Disulfide	4.689	76	4668	1.164	ug/l #	75
18) Methyl Acetate	5.042	43	1030	0.502	ug/l #	56
20) Methylene Chloride	5.259	84	2065	1.304	ug/l #	62
21) trans-1,2-Dichloroethene	5.783	96	1158	0.818	ug/l #	50
24) 1,1-Dichloroethane	6.547	63	1076	0.406	ug/l #	83
27) cis-1,2-Dichloroethene	7.483	96	26138	15.298	ug/l	86
31) Cyclohexane	8.218	56	3088	1.185	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	11267	4.833	ug/l #	51
38) Carbon Tetrachloride	8.224	117	13255	5.049	ug/l #	19
40) Benzene	8.612	78	2882	0.415	ug/l	98
43) Isopropyl Acetate	8.712	43	137	Below Cal	#	60
44) Trichloroethene	9.353	130	929	0.562	ug/l	84
51) 4-Methyl-2-Pentanone	10.565	43	1451	0.588	ug/l #	1
71) Bromoform	12.835	173	435	0.278	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70548	25.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70548	54.614	ug/l #	6

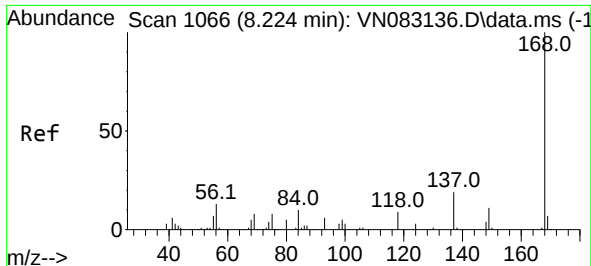
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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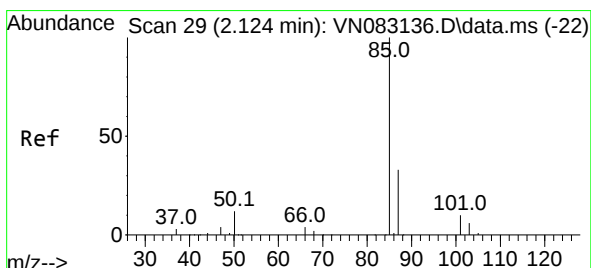
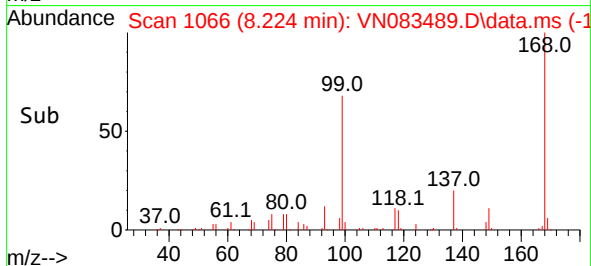
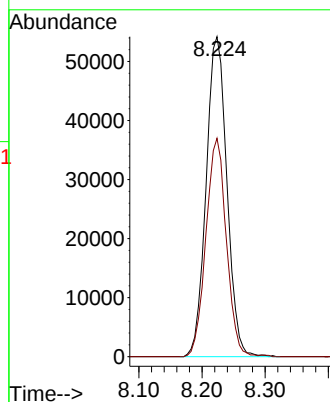
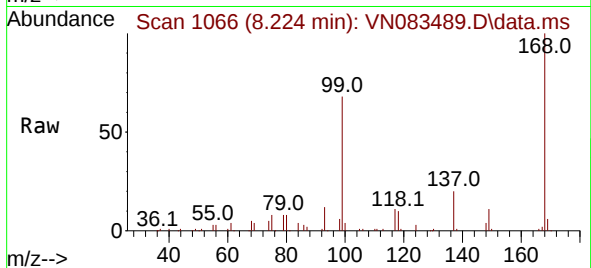




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

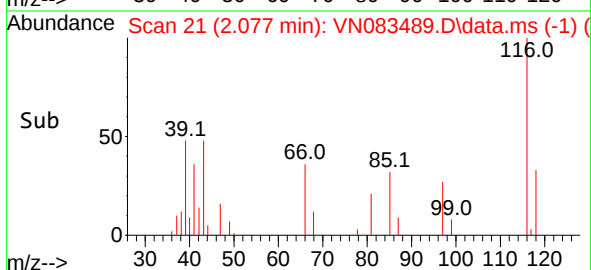
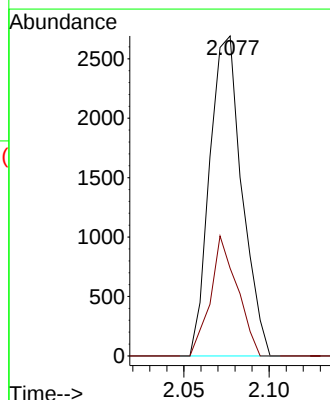
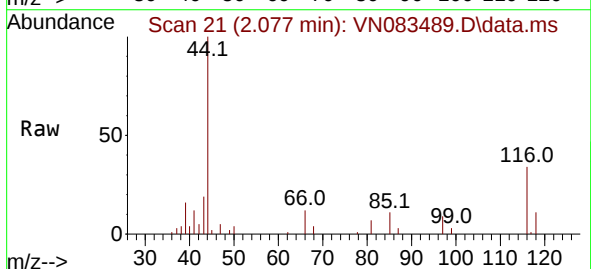
Instrument :
MSVOA_N
ClientSampleId :

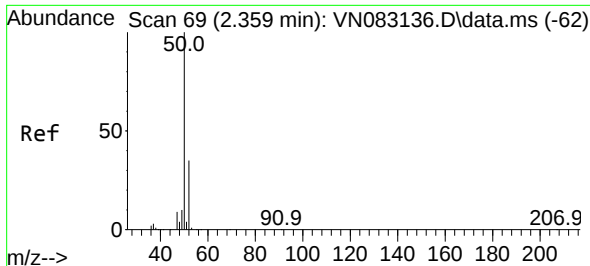
Tgt Ion:168 Resp: 123588
Ion Ratio Lower Upper
168 100
99 68.3 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 2.532 ug/l
RT: 2.077 min Scan# 21
Delta R.T. -0.047 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Tgt Ion: 85 Resp: 3548
Ion Ratio Lower Upper
85 100
87 27.4 15.7 47.0

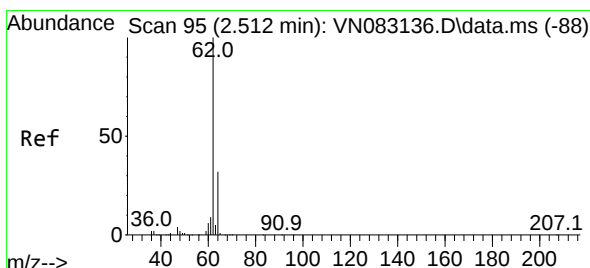
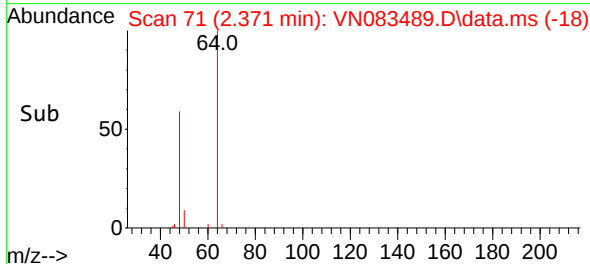
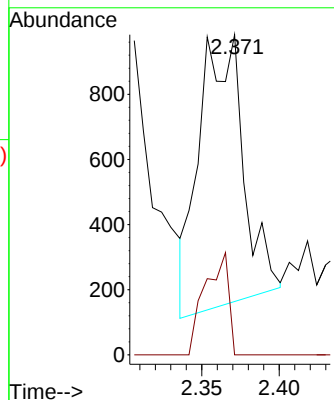
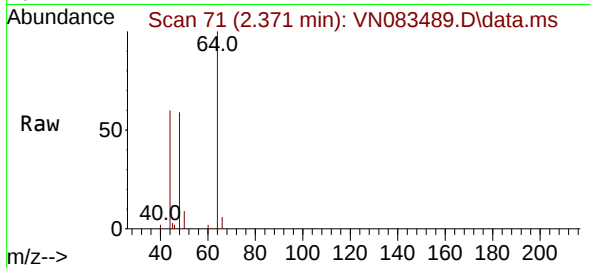




#3
Chloromethane
Concen: 1.140 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

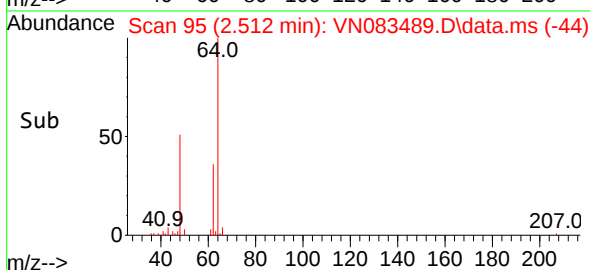
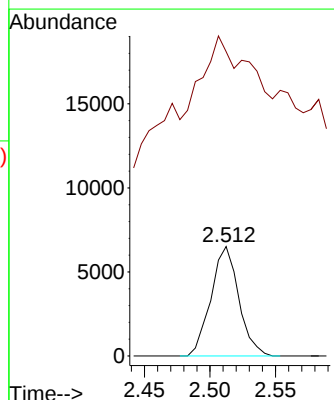
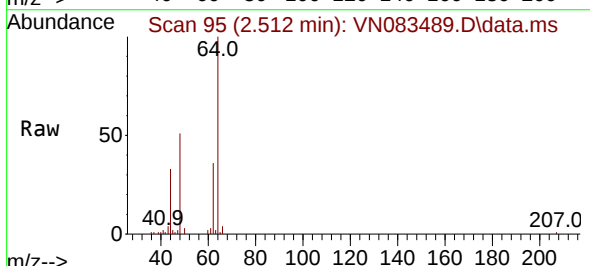
Instrument :
MSVOA_N
ClientSampleId :

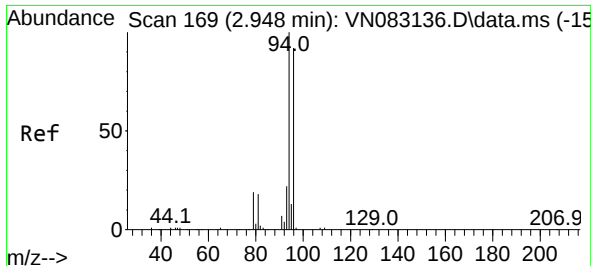
Tgt Ion: 50 Resp: 1636
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#4
Vinyl Chloride
Concen: 6.561 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

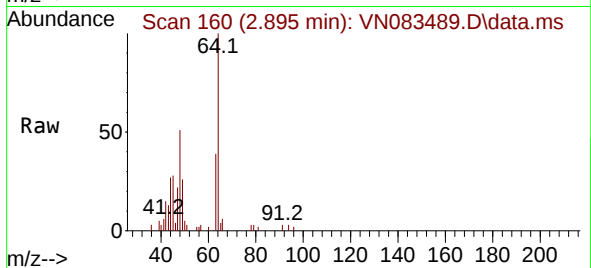
Tgt Ion: 62 Resp: 9606
Ion Ratio Lower Upper
62 100
64 62.1 25.0 37.6#



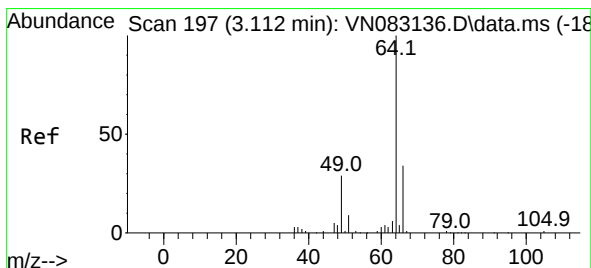
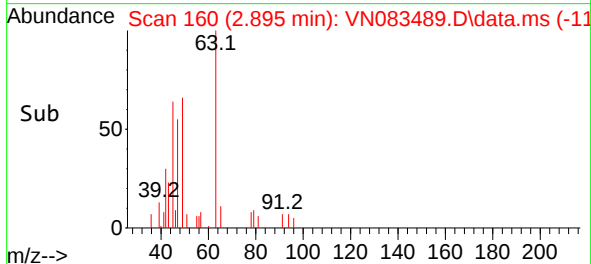
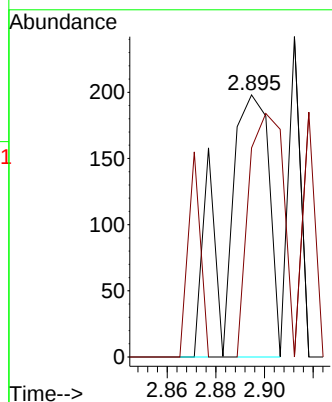


#5
Bromomethane
Concen: 0.276 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

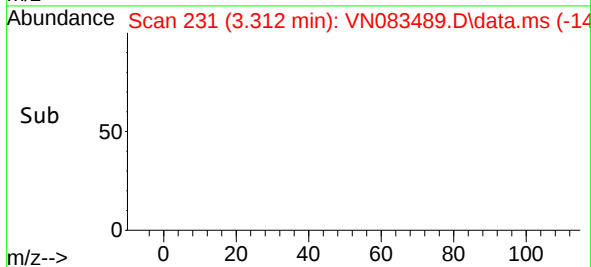
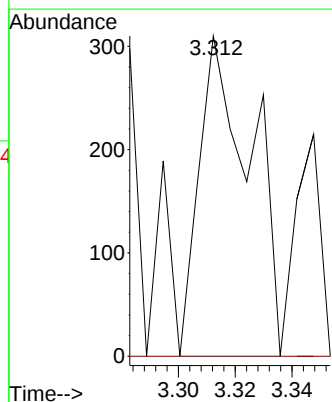
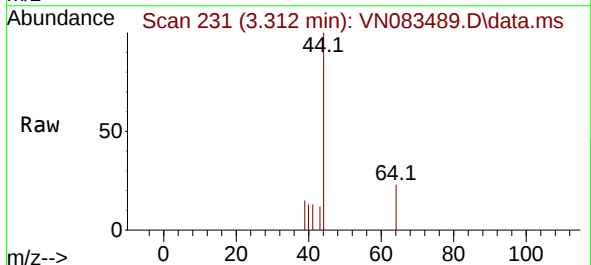


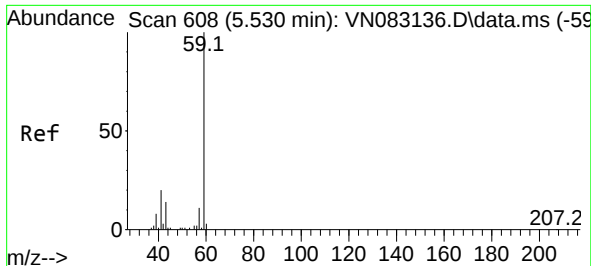
Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 79.8 78.0 117.0



#6
Chloroethane
Concen: 0.429 ug/l
RT: 3.312 min Scan# 231
Delta R.T. 0.200 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Tgt Ion: 64 Resp: 393
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#





#11

Tert butyl alcohol

Concen: 12.821 ug/l

RT: 5.494 min Scan# 608

Delta R.T. -0.035 min

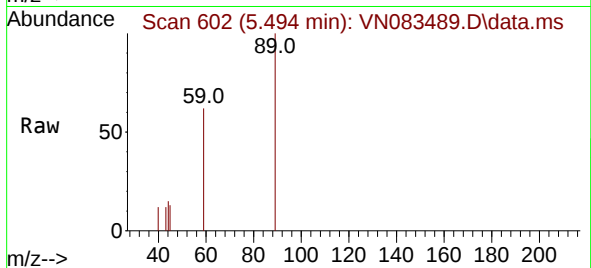
Lab File: VN083489.D

Acq: 26 Aug 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

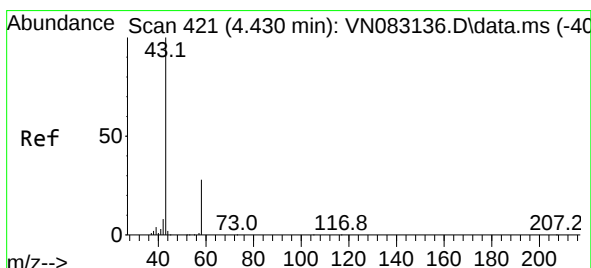
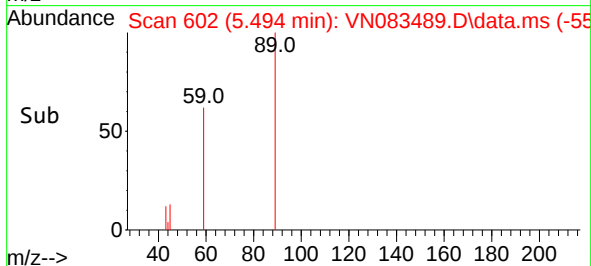
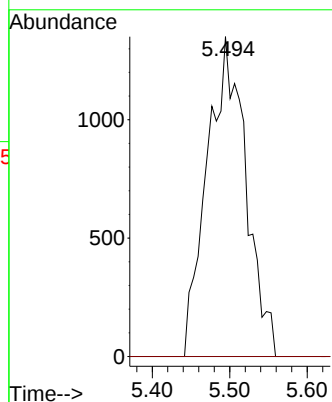


Tgt Ion: 59 Resp: 4687

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 3.696 ug/l

RT: 4.453 min Scan# 425

Delta R.T. 0.024 min

Lab File: VN083489.D

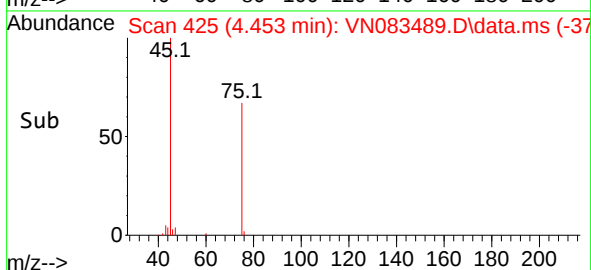
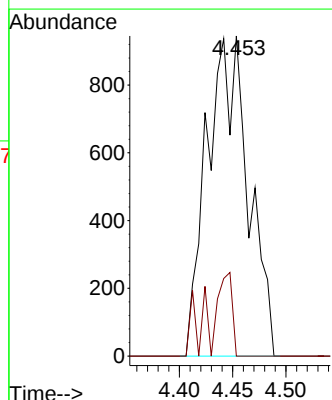
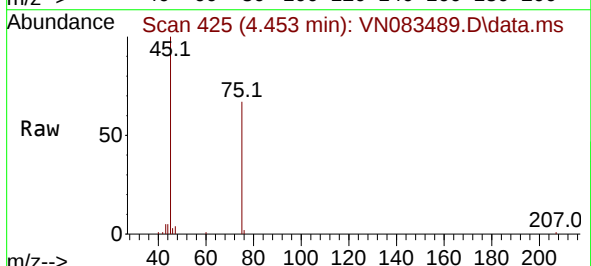
Acq: 26 Aug 2024 18:10

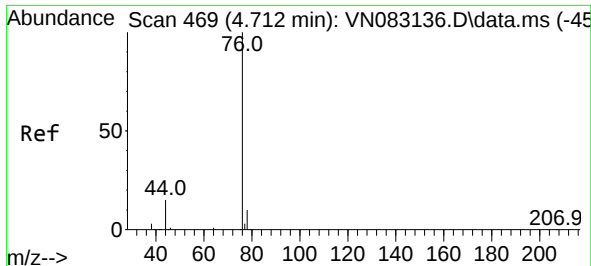
Tgt Ion: 43 Resp: 2544

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#

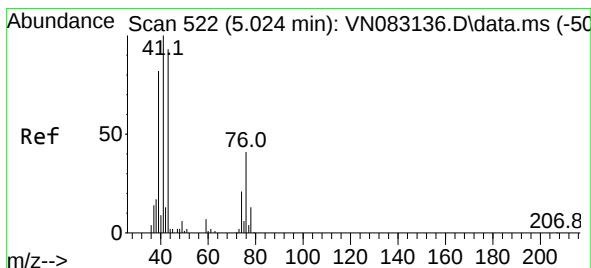
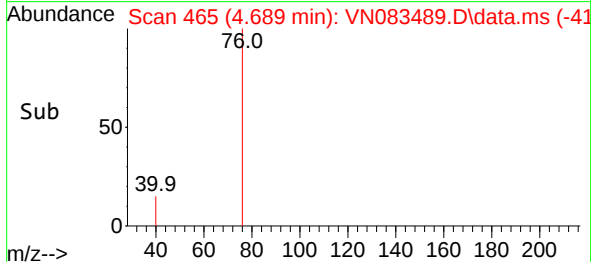
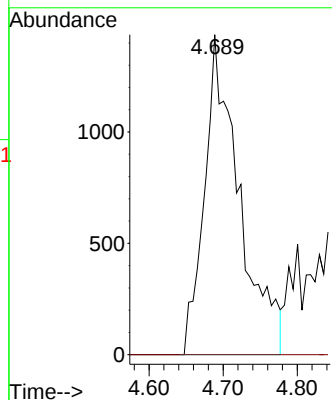
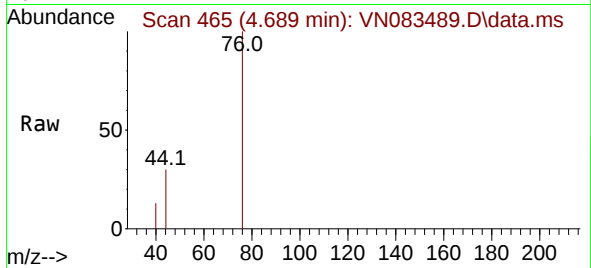




#17
Carbon Disulfide
Concen: 1.164 ug/l
RT: 4.689 min Scan# 465
Delta R.T. -0.024 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

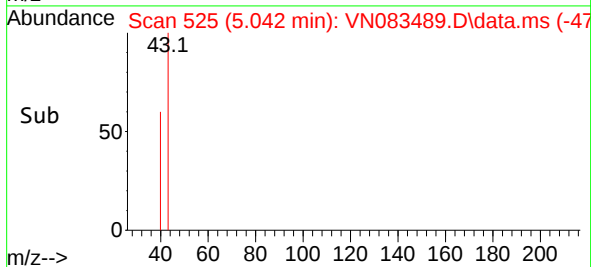
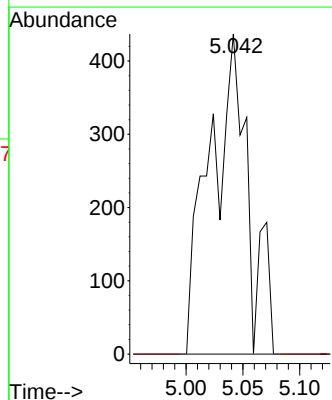
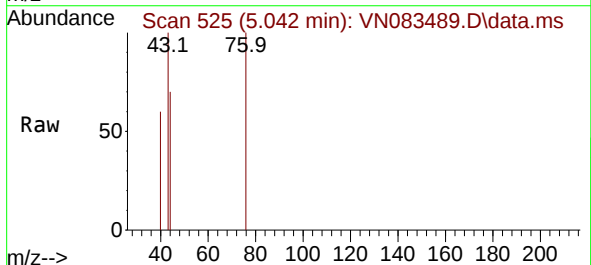
Instrument :
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ClientSampleId :

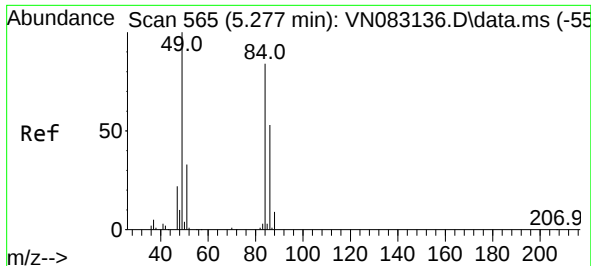
Tgt Ion: 76 Resp: 4668
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.502 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

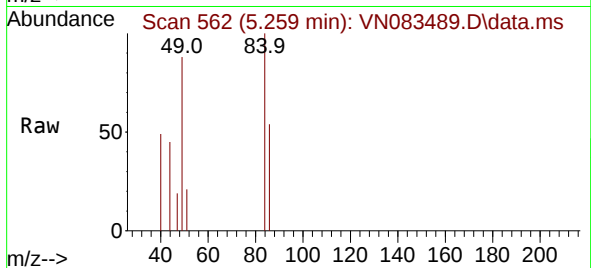
Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



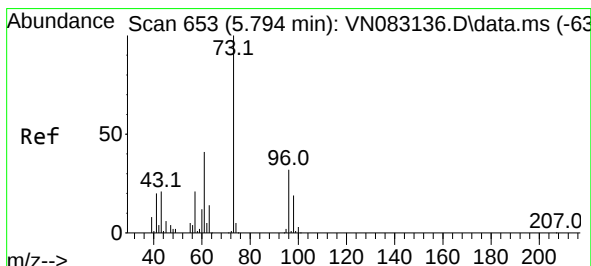
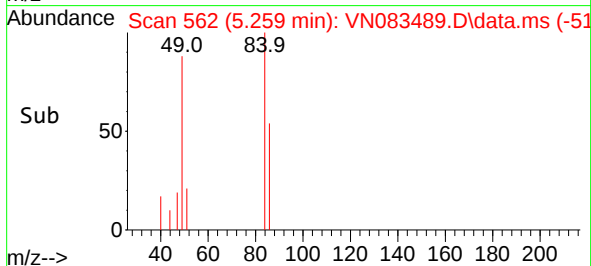
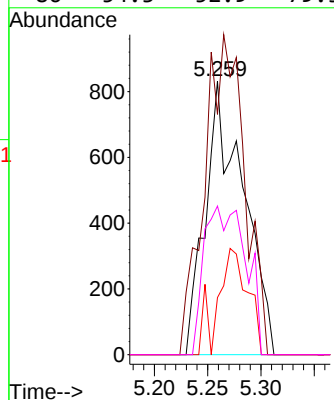


#20
Methylene Chloride
Concen: 1.304 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Instrument :
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ClientSampleId :

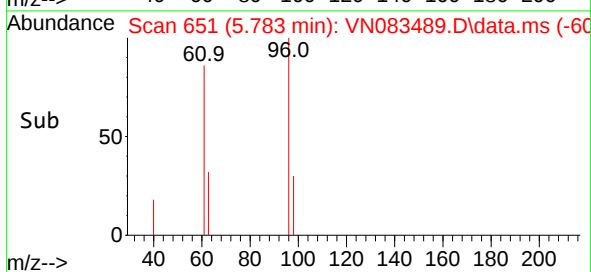
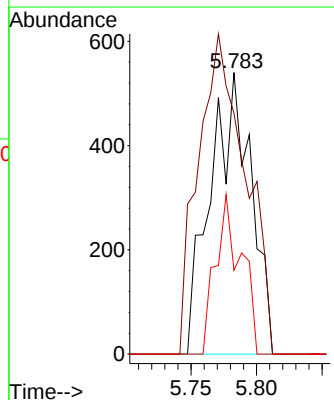
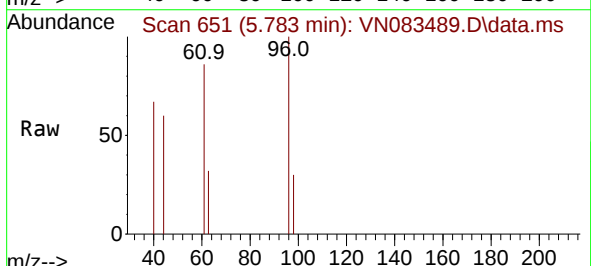


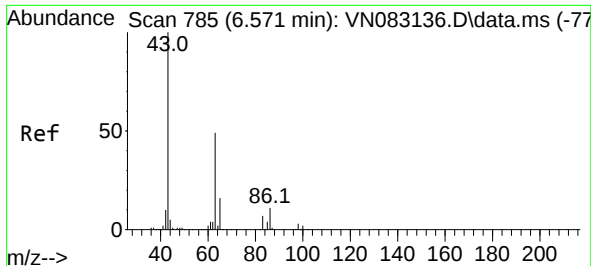
Tgt Ion:	84	Resp:	2065
Ion	Ratio	Lower	Upper
84	100		
49	87.9	119.6	179.4#
51	20.9	34.8	52.2#
86	54.3	52.9	79.3



#21
trans-1,2-Dichloroethene
Concen: 0.818 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.012 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

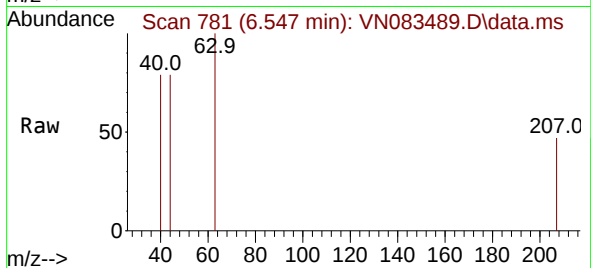
Tgt Ion:	96	Resp:	1158
Ion	Ratio	Lower	Upper
96	100		
61	85.6	123.4	185.2#
98	29.8	49.3	73.9#



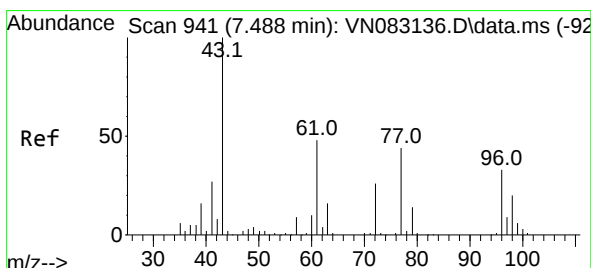
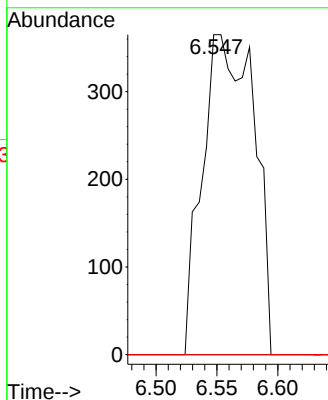
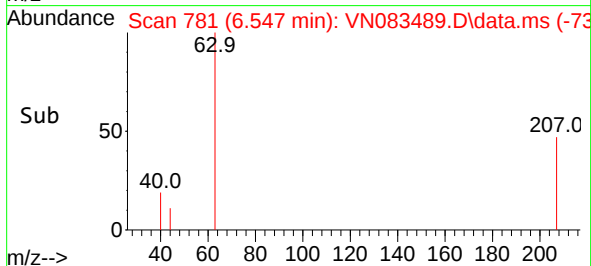


#24
1,1-Dichloroethane
Concen: 0.406 ug/l
RT: 6.547 min Scan# 71
Delta R.T. -0.024 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

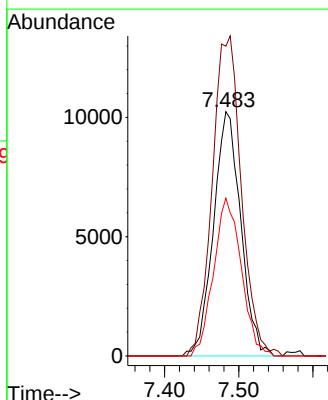
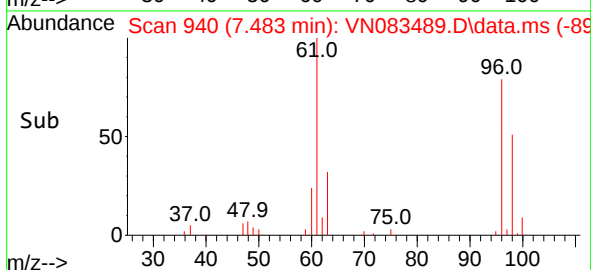
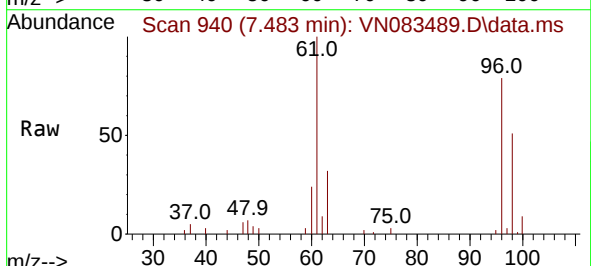


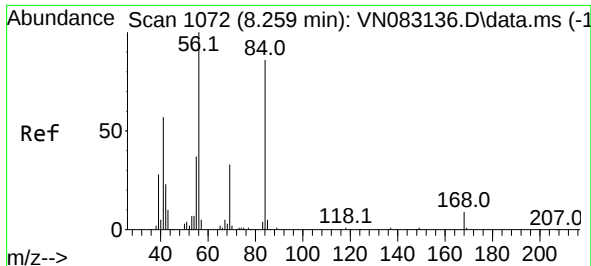
Tgt Ion: 63 Resp: 1076
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.0 6.0#



#27
cis-1,2-Dichloroethene
Concen: 15.298 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

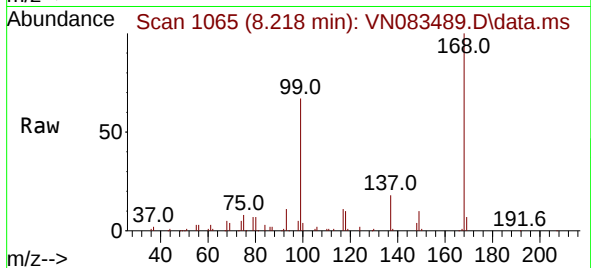
Tgt Ion: 96 Resp: 26138
Ion Ratio Lower Upper
96 100
61 140.0 0.0 329.6
98 65.7 0.0 128.6



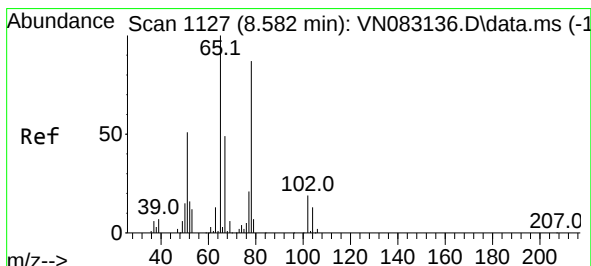
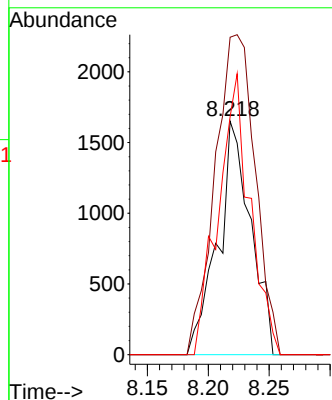
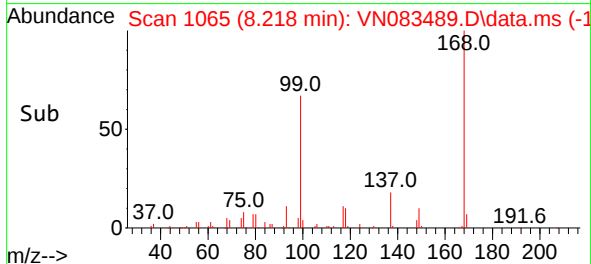


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

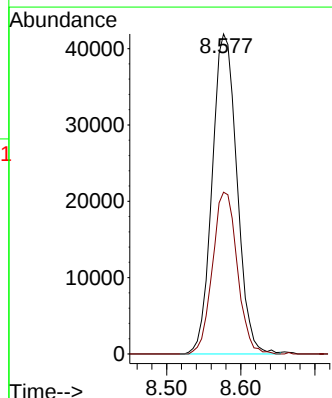
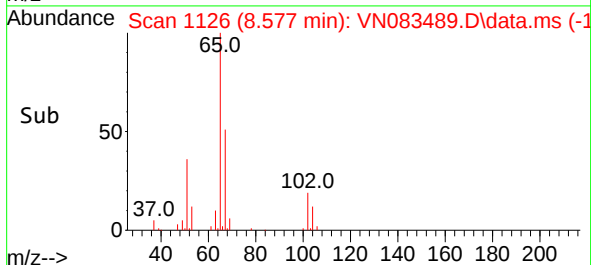
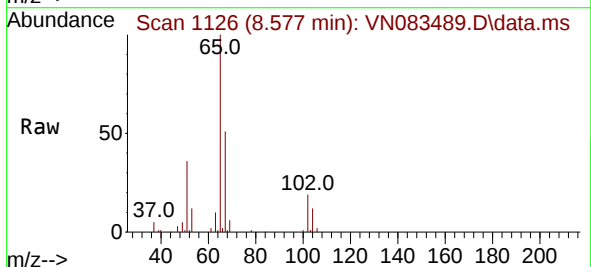


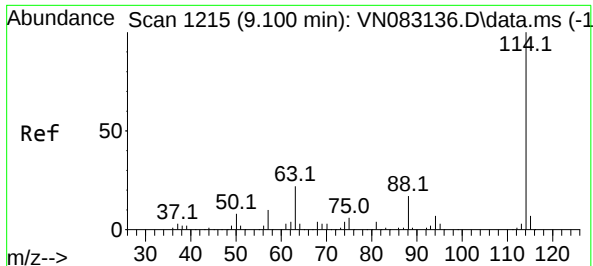
Tgt Ion: 56 Resp: 3088
Ion Ratio Lower Upper
56 100
69 136.0 24.5 36.7#
84 101.9 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.317 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Tgt Ion: 65 Resp: 97310
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.4

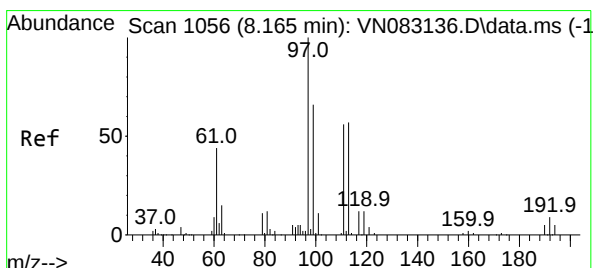
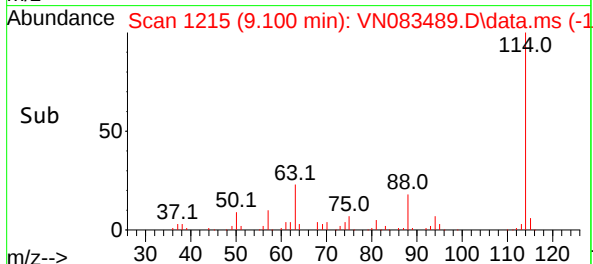
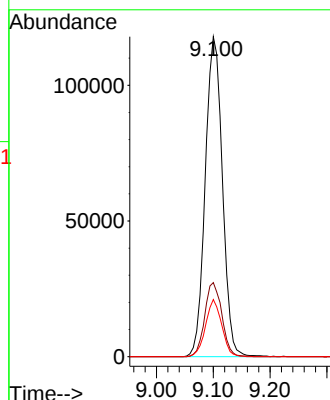
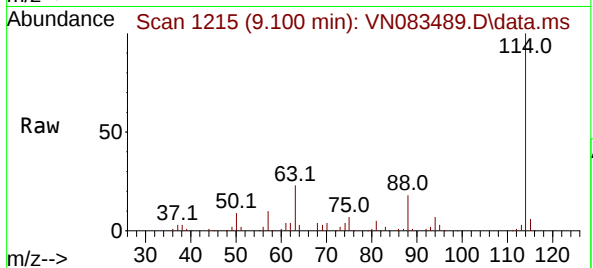




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

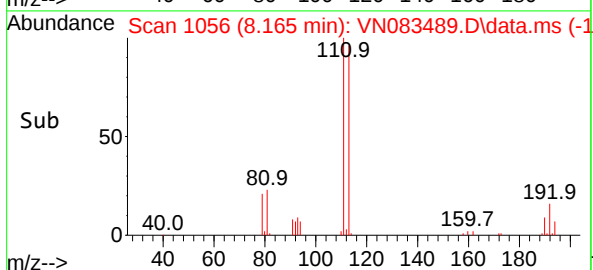
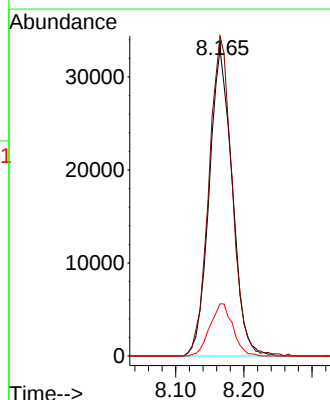
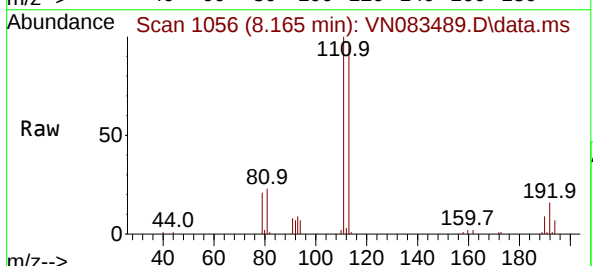
Instrument :
MSVOA_N
ClientSampleId :

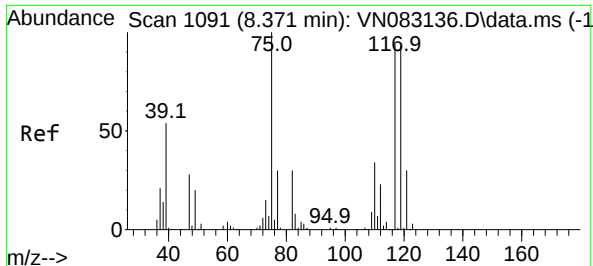
Tgt Ion:114 Resp: 246876
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.6
88 17.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.357 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Tgt Ion:113 Resp: 77597
Ion Ratio Lower Upper
113 100
111 104.9 82.4 123.6
192 16.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083489.D

Acq: 26 Aug 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

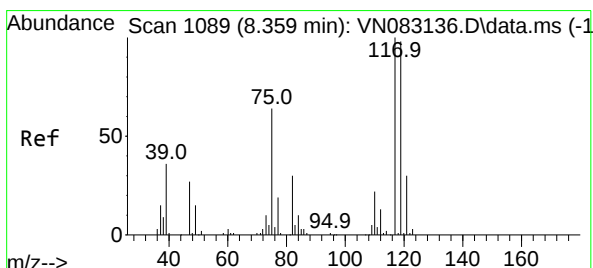
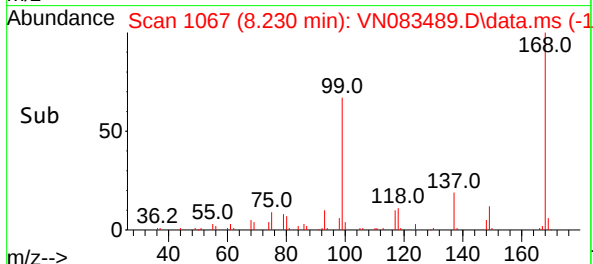
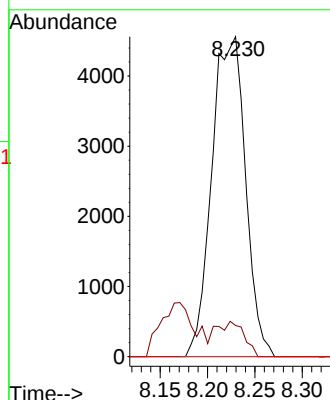
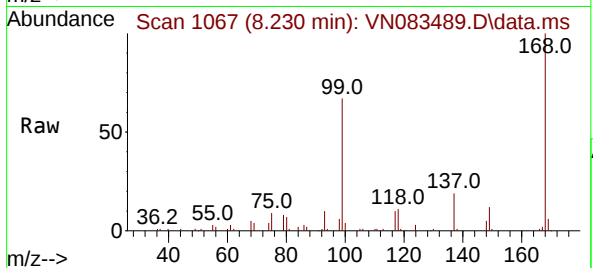
Tgt Ion: 75 Resp: 11267

Ion Ratio Lower Upper

75 100

110 9.3 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.049 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083489.D

Acq: 26 Aug 2024 18:10

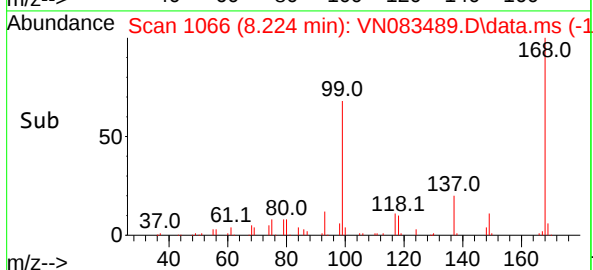
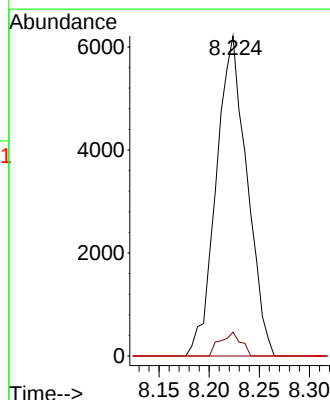
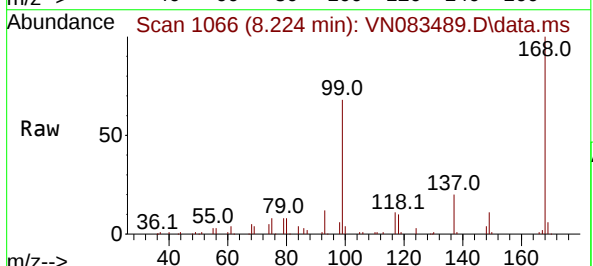
Tgt Ion: 117 Resp: 13255

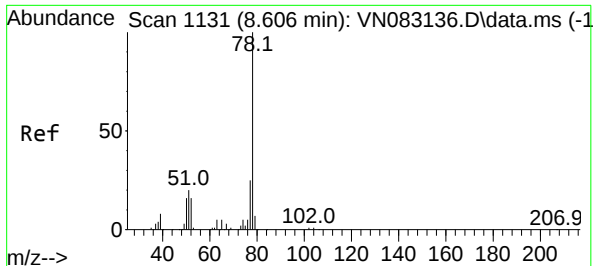
Ion Ratio Lower Upper

117 100

119 7.5 74.9 112.3#

121 0.0 24.3 36.5#





#40

Benzene

Concen: 0.415 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN083489.D

Acq: 26 Aug 2024 18:10

Instrument :

MSVOA_N

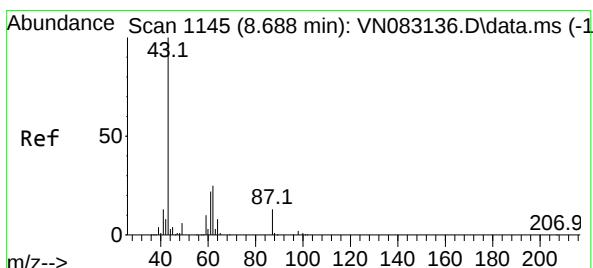
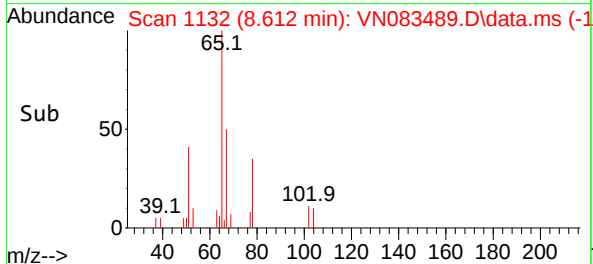
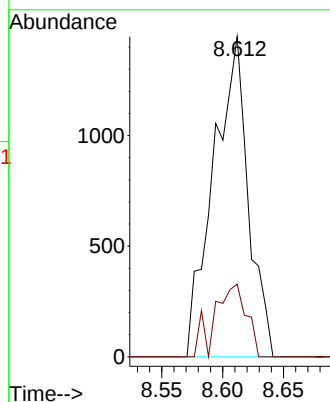
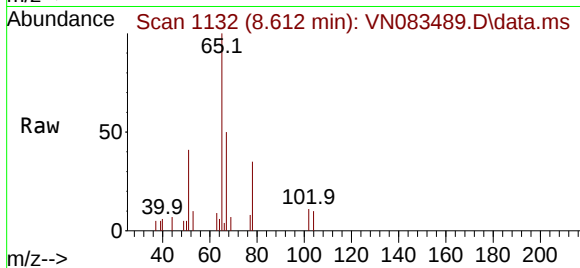
ClientSampleId :

Tgt Ion: 78 Resp: 2882

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.4



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.712 min Scan# 1149

Delta R.T. 0.024 min

Lab File: VN083489.D

Acq: 26 Aug 2024 18:10

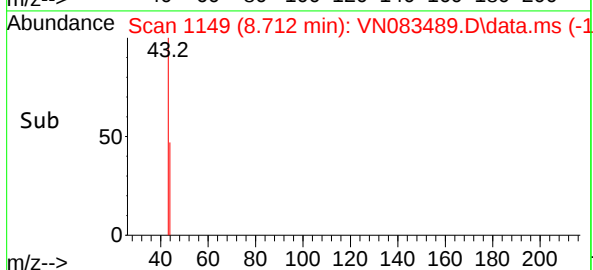
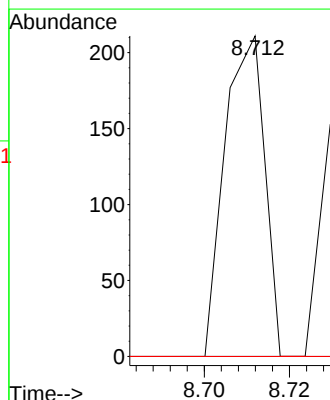
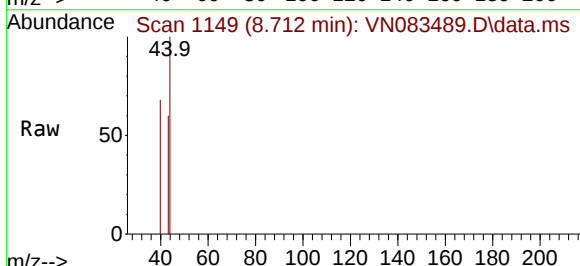
Tgt Ion: 43 Resp: 137

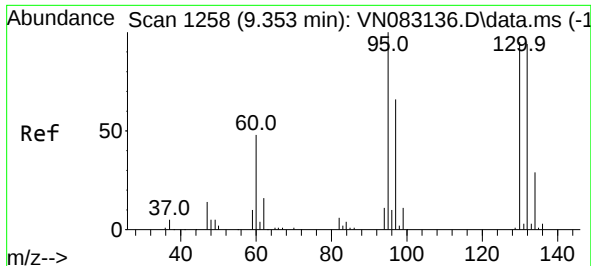
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

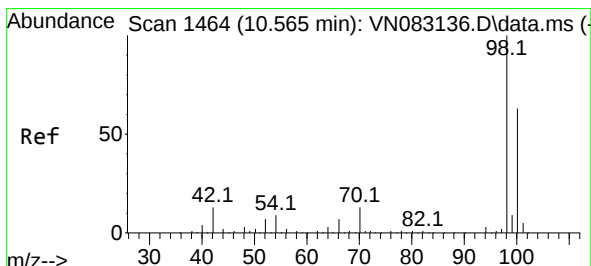
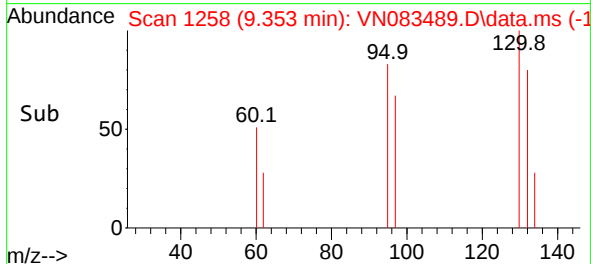
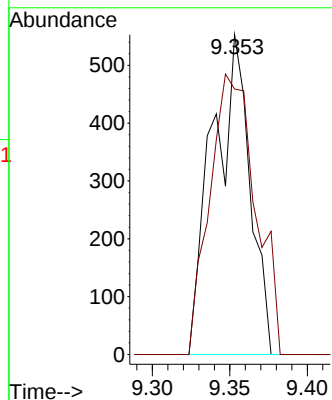
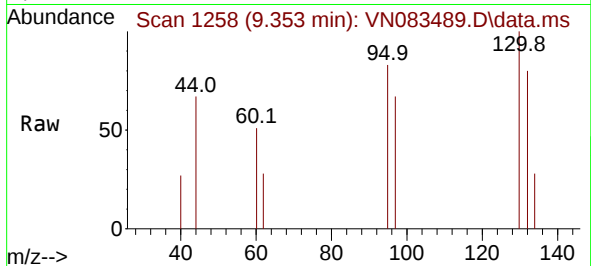




#44
Trichloroethene
Concen: 0.562 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

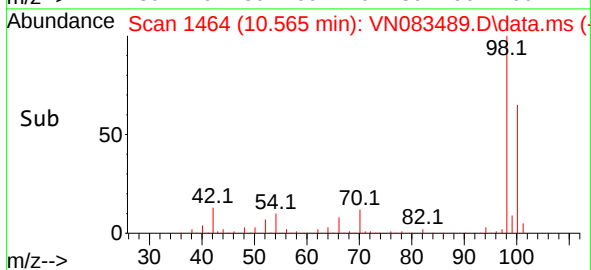
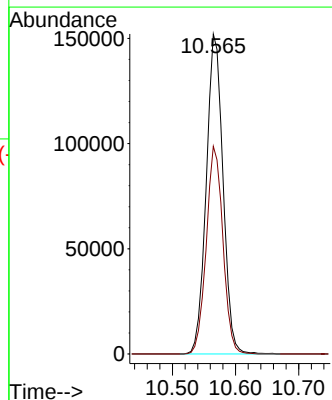
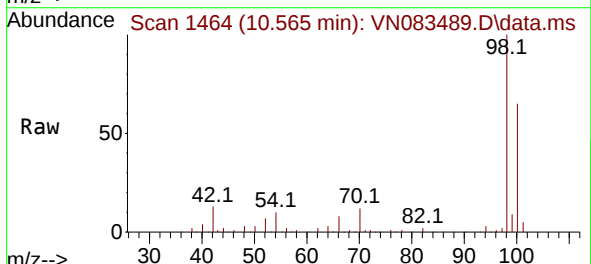
Instrument :
MSVOA_N
ClientSampleId :

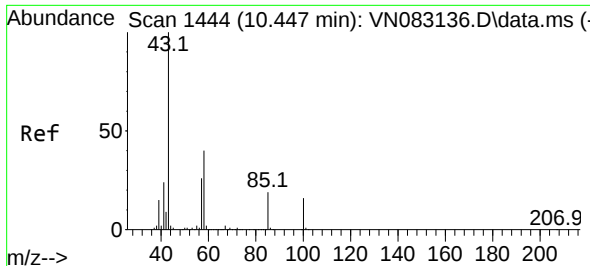
Tgt Ion:130 Resp: 929
Ion Ratio Lower Upper
130 100
95 83.0 0.0 197.8



#50
Toluene-d8
Concen: 48.700 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Tgt Ion: 98 Resp: 279930
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3

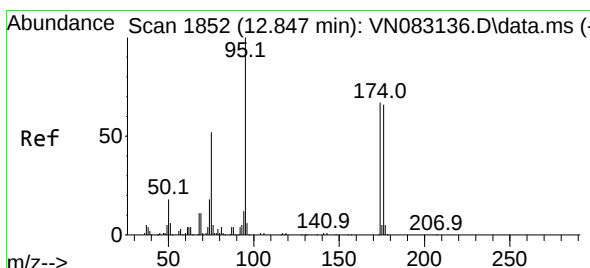
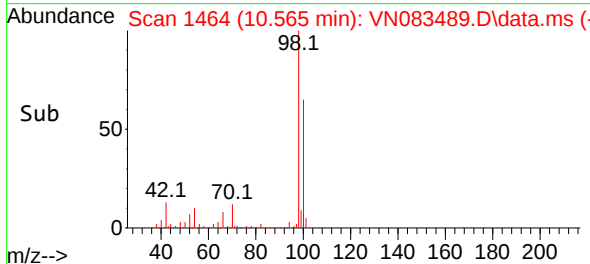
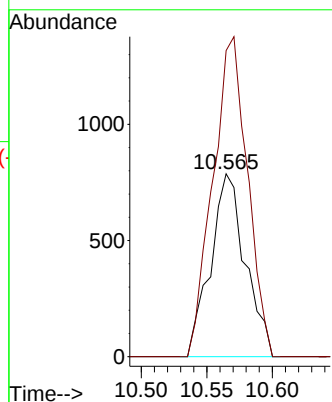
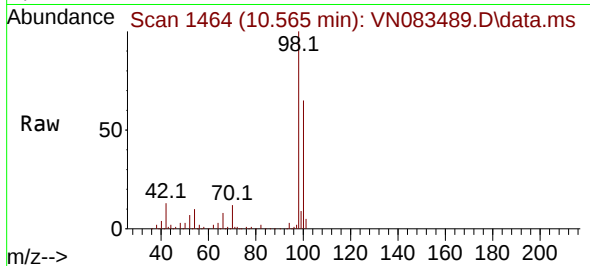




#51
4-Methyl-2-Pentanone
Concen: 0.588 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

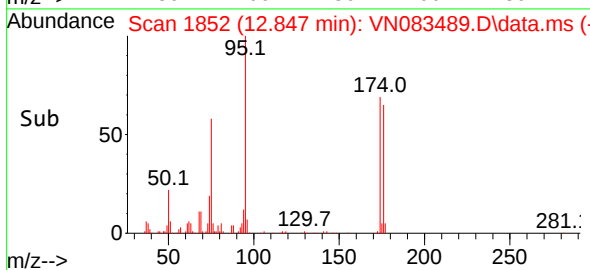
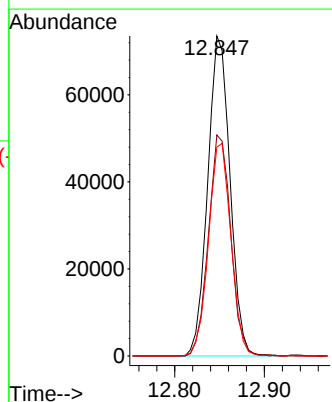
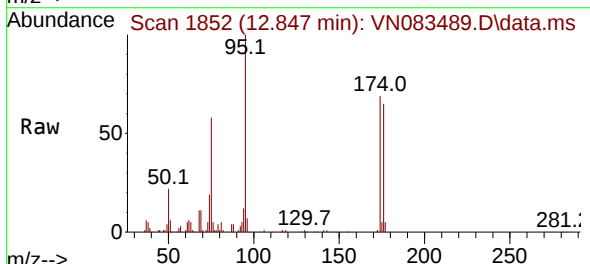
Instrument :
MSVOA_N
ClientSampleId :

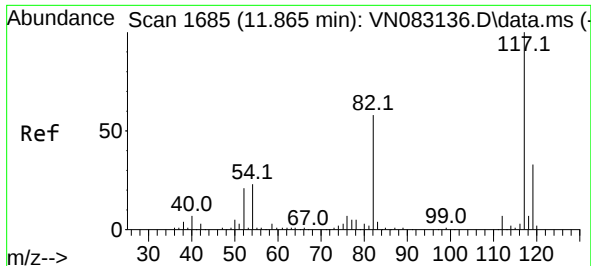
Tgt Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
58 174.7 28.2 42.4#



#62
4-Bromofluorobenzene
Concen: 56.687 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Tgt Ion: 95 Resp: 127032
Ion Ratio Lower Upper
95 100
174 69.2 0.0 159.2
176 66.8 0.0 147.6

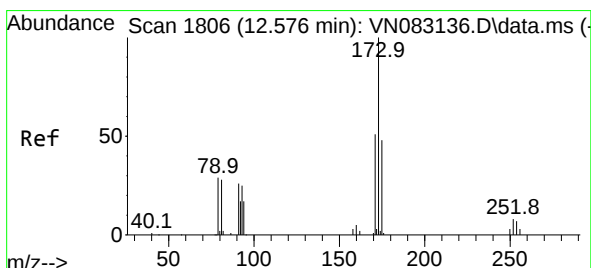
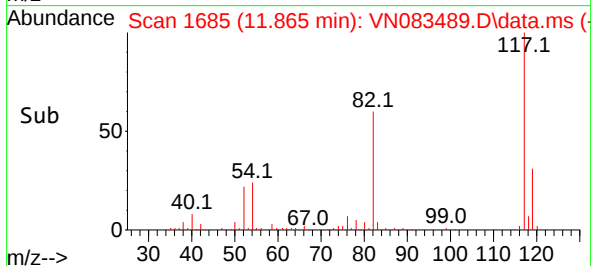
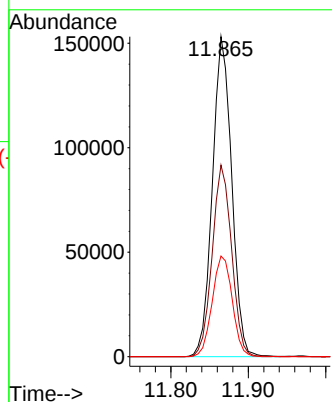
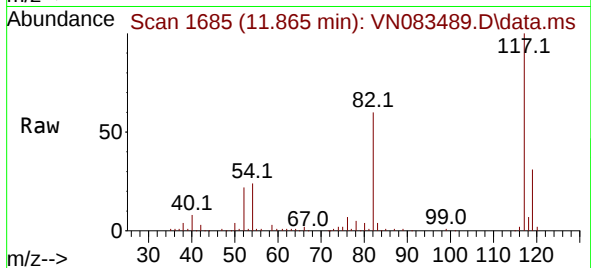




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

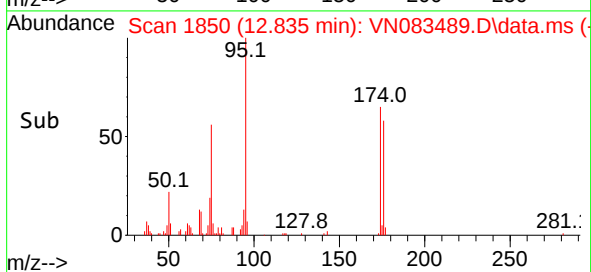
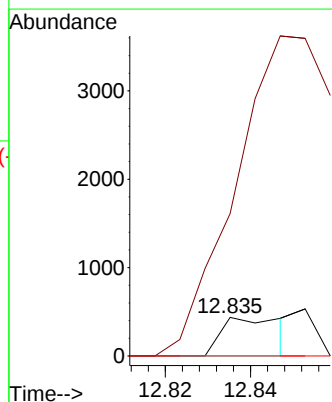
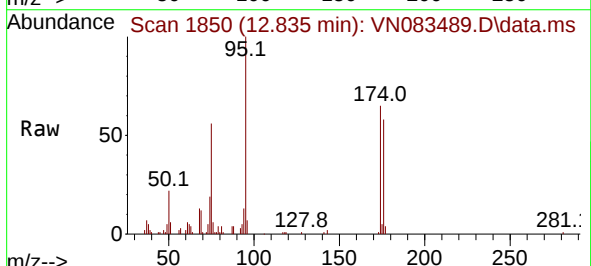
Instrument :
MSVOA_N
ClientSampleId :

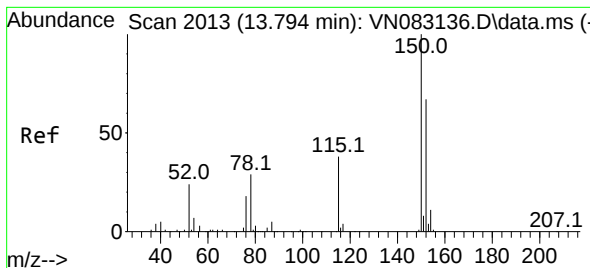
Tgt Ion:117 Resp: 264980
Ion Ratio Lower Upper
117 100
82 59.9 47.5 71.3
119 31.5 25.6 38.4



#71
Bromoform
Concen: 0.278 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.259 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Tgt Ion:173 Resp: 435
Ion Ratio Lower Upper
173 100
175 1048.0 24.0 72.0#
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: VN083489.D

Acq: 26 Aug 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

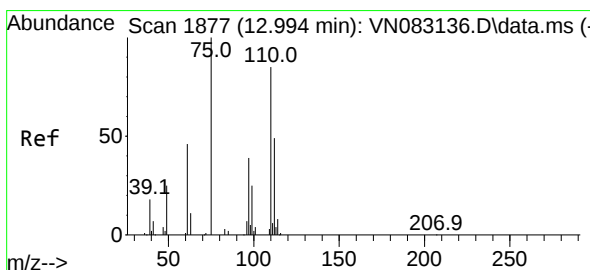
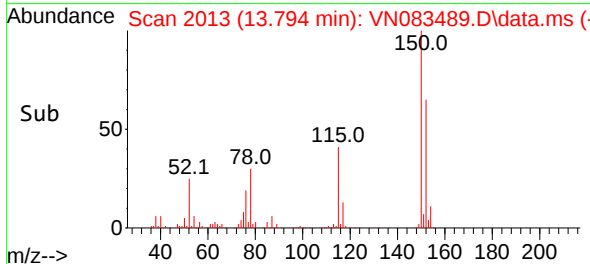
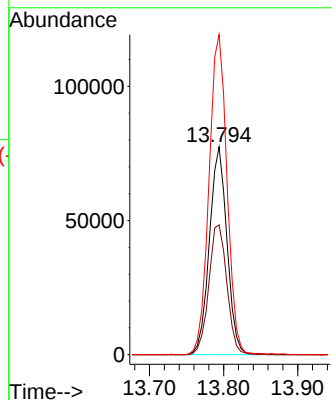
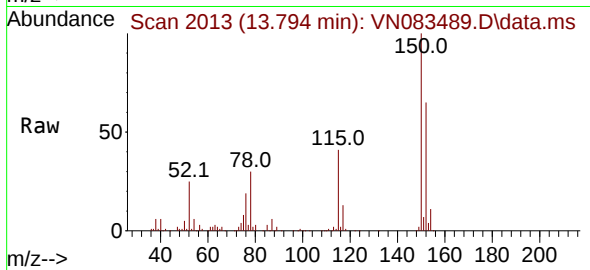
Tgt Ion:152 Resp: 128028

Ion Ratio Lower Upper

152 100

115 64.1 30.6 91.6

150 157.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.107 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083489.D

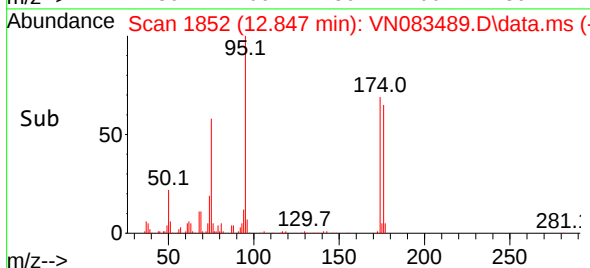
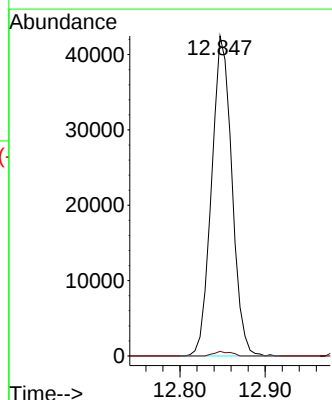
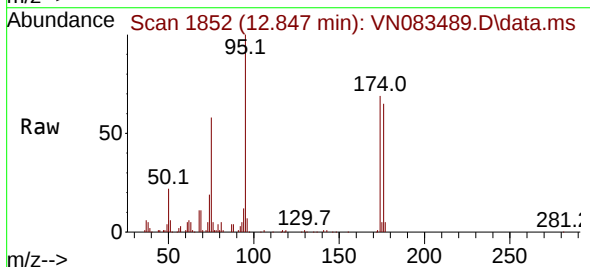
Acq: 26 Aug 2024 18:10

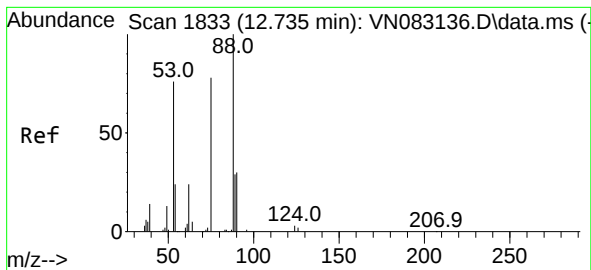
Tgt Ion: 75 Resp: 70548

Ion Ratio Lower Upper

75 100

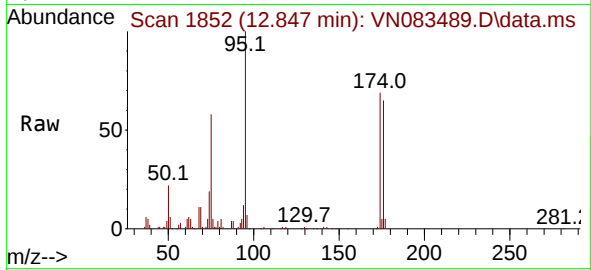
77 1.2 110.9 332.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 54.614 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083489.D
Acq: 26 Aug 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 70548
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

