

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081024\
 Data File : VN083219.D
 Acq On : 10 Aug 2024 19:47
 Operator : JC\MD
 Sample : P3506-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 12 01:57:37 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)

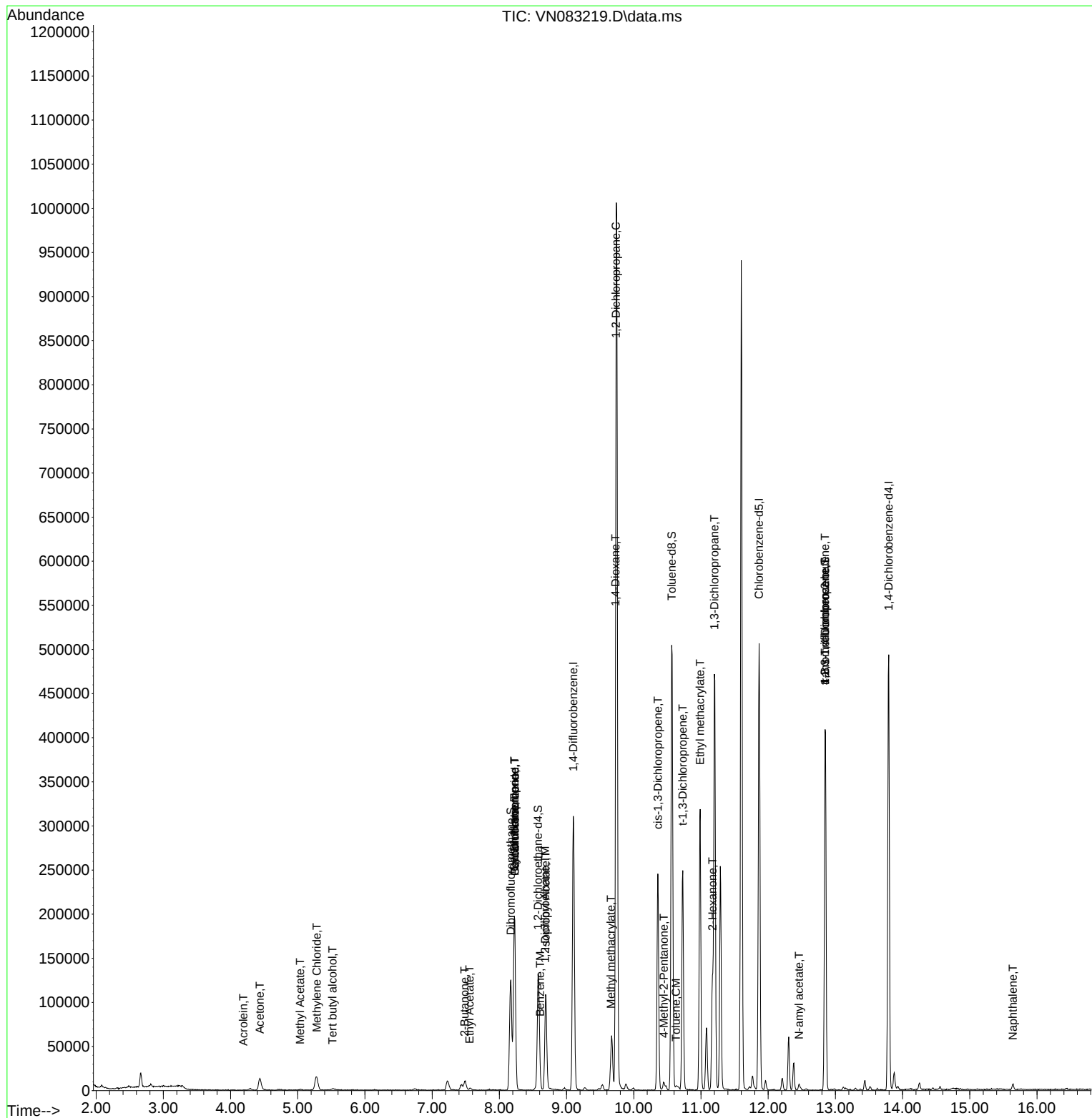
Internal Standards						
1) Pentafluorobenzene	8.229	168	137825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116318	59.292	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.580%			
35) Dibromofluoromethane	8.171	113	91689	56.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.040%			
50) Toluene-d8	10.565	98	348513	57.087	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.180%#			
62) 4-Bromofluorobenzene	12.847	95	148821	62.528	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 125.060%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	3185	7.812	ug/l #	71
13) Acrolein	4.189	56	56	0.211	ug/l #	14
16) Acetone	4.436	43	25779	33.582	ug/l	90
18) Methyl Acetate	5.036	43	1484	0.649	ug/l #	64
20) Methylene Chloride	5.283	84	12255	6.937	ug/l #	84
25) 2-Butanone	7.482	43	17644	14.969	ug/l	92
31) Cyclohexane	8.224	56	3780	1.300	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	12520	5.057	ug/l #	50
37) Ethyl Acetate	7.559	43	3977	1.435	ug/l #	86
38) Carbon Tetrachloride	8.229	117	15336	5.500	ug/l #	17
40) Benzene	8.606	78	1903	0.258	ug/l	91
42) 1,2-Dichloroethane	8.682	62	729	0.271	ug/l #	78
43) Isopropyl Acetate	8.688	43	126578	25.090	ug/l #	92
45) 1,2-Dichloropropane	9.735	63	1348	0.770	ug/l #	44
48) Methyl methacrylate	9.659	41	5387	2.351	ug/l #	53
49) 1,4-Dioxane	9.729	88	55	1.330	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5665	2.161	ug/l	95
52) Toluene	10.629	92	1985	0.426	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	681	0.236	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	43645	14.198	ug/l #	57
56) Ethyl methacrylate	10.988	69	828	0.263	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4659	1.565	ug/l #	43
59) 2-Hexanone	11.170	43	105735	52.139	ug/l #	28
74) N-amyl acetate	12.459	43	5339	1.040	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	81711	29.662	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81711	64.522	ug/l #	6
95) Naphthalene	15.641	128	6158	0.731	ug/l #	93

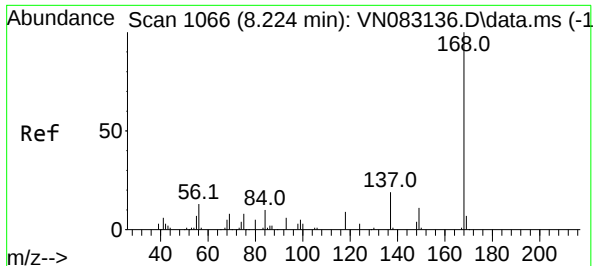
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081024\
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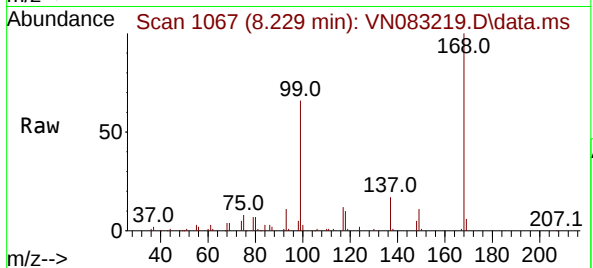
Quant Time: Aug 12 01:57:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



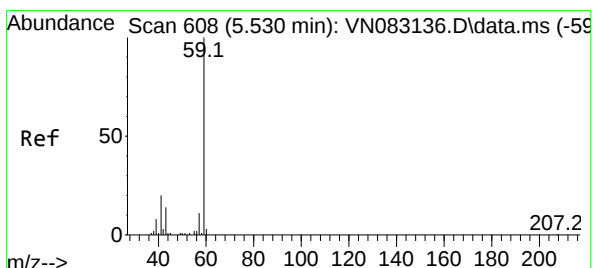
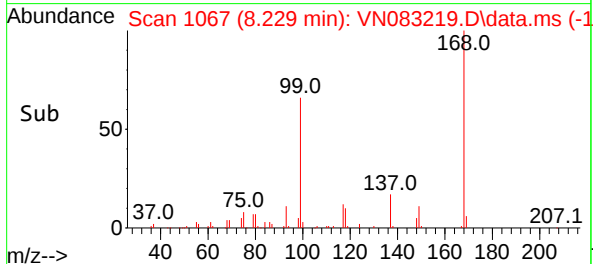
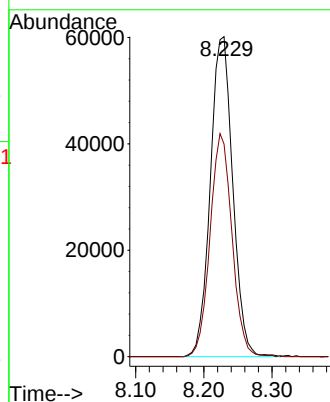


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

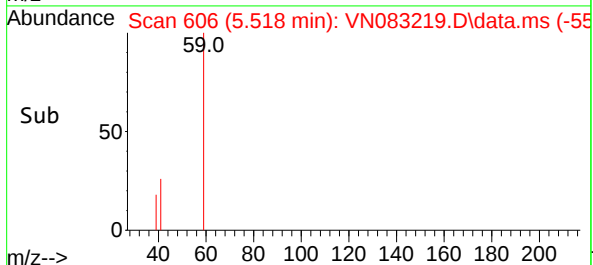
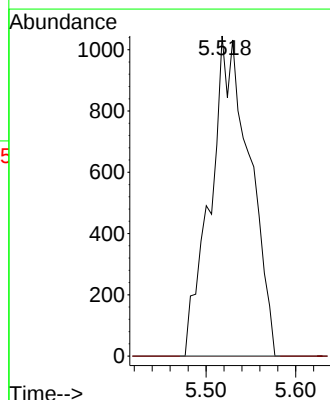
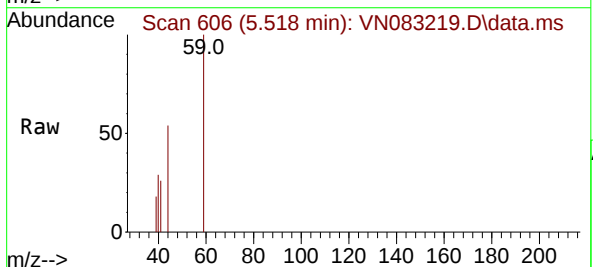


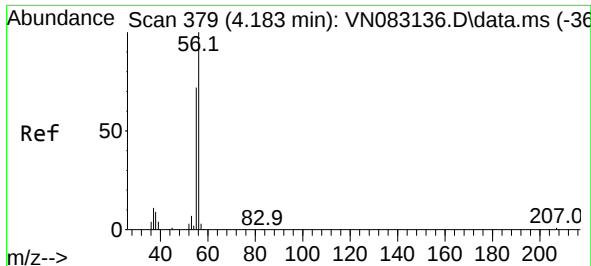
Tgt Ion:168 Resp: 137825
Ion Ratio Lower Upper
168 100
99 66.4 48.2 72.4



#11
Tert butyl alcohol
Concen: 7.812 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 59 Resp: 3185
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

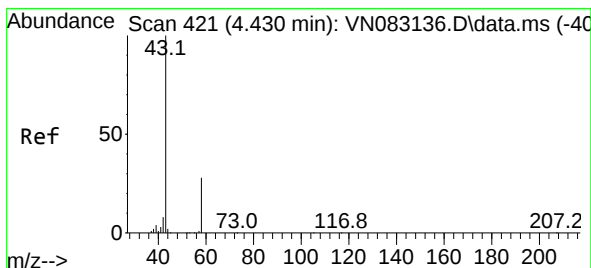
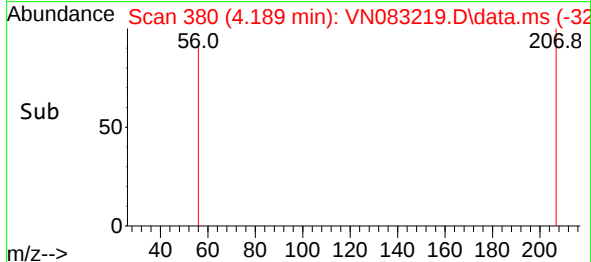
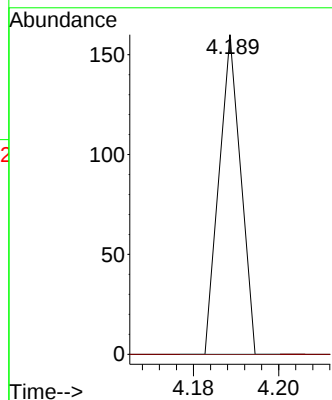
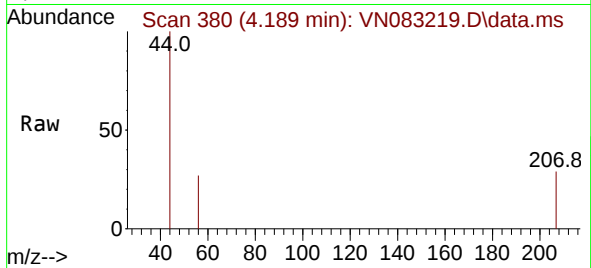




#13
Acrolein
Concen: 0.211 ug/l
RT: 4.189 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

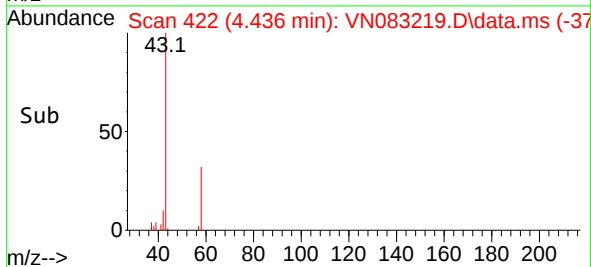
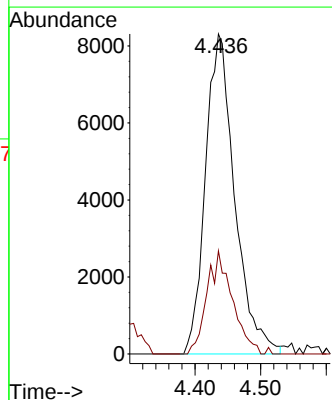
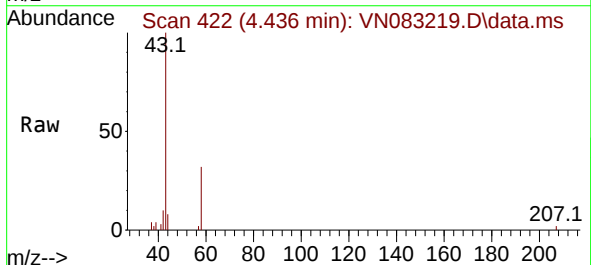
Instrument :
MSVOA_N
ClientSampleId :

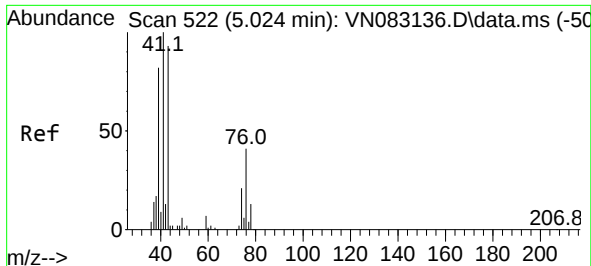
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 33.582 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

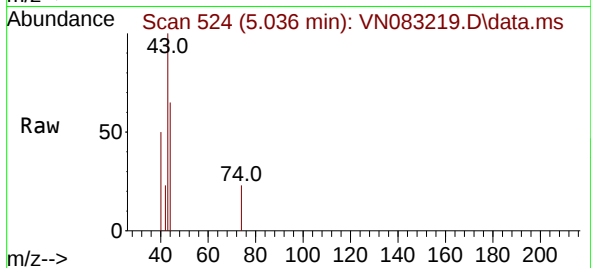
Tgt Ion: 43 Resp: 25779
Ion Ratio Lower Upper
43 100
58 32.2 21.8 32.6



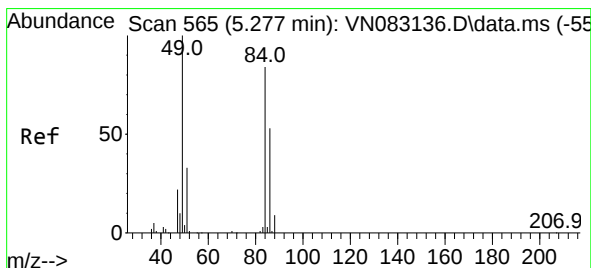
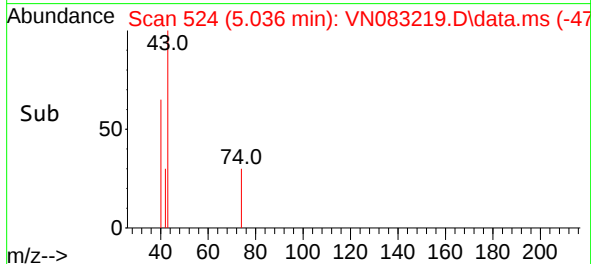
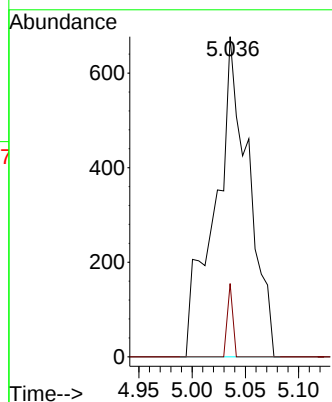


#18
Methyl Acetate
Concen: 0.649 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

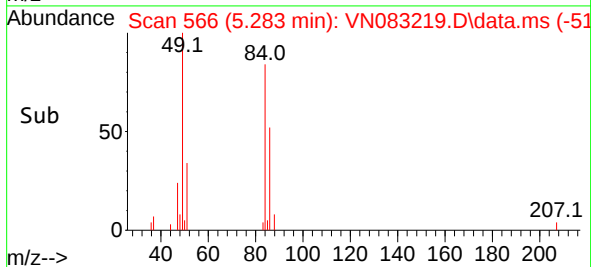
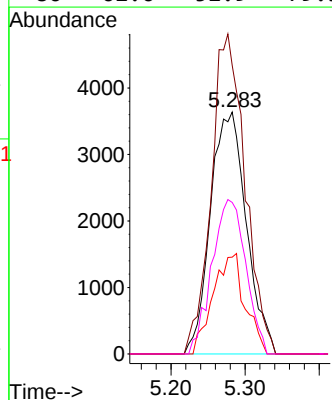
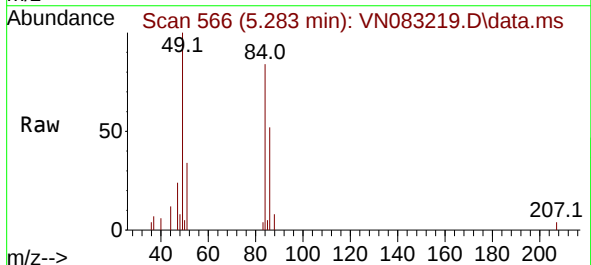


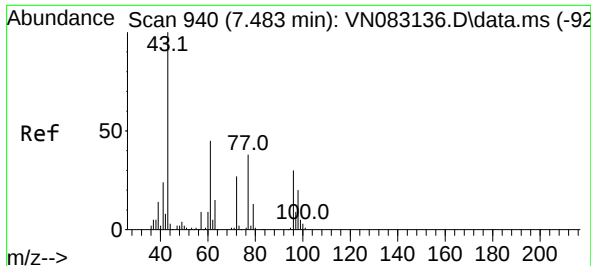
Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
74 3.7 16.3 24.5#



#20
Methylene Chloride
Concen: 6.937 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

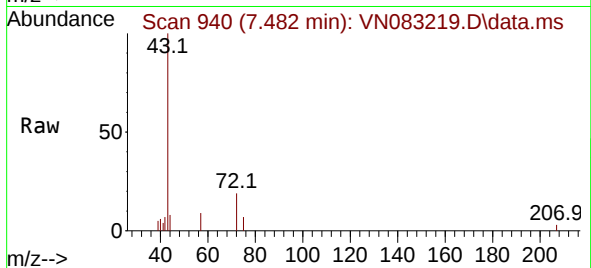
Tgt Ion: 84 Resp: 12255
Ion Ratio Lower Upper
84 100
49 119.3 119.6 179.4#
51 40.0 34.8 52.2
86 62.6 52.9 79.3



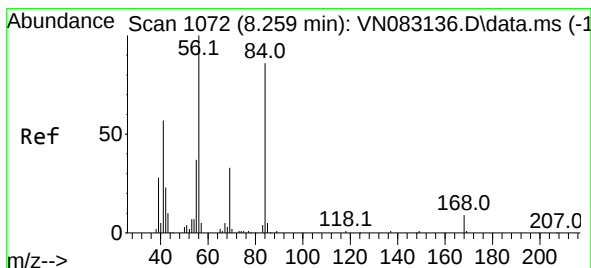
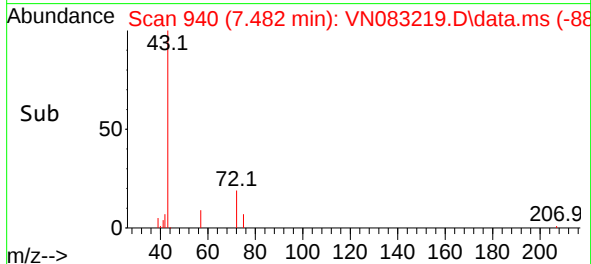
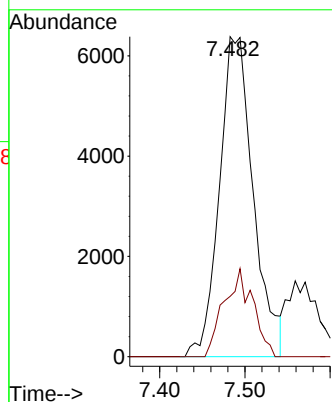


#25
2-Butanone
Concen: 14.969 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

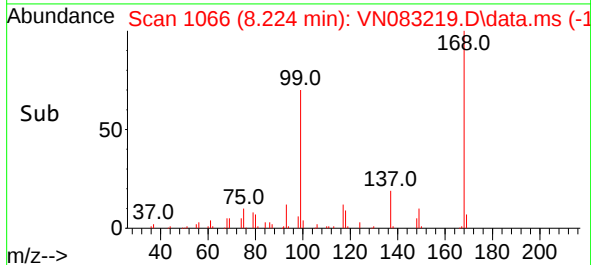
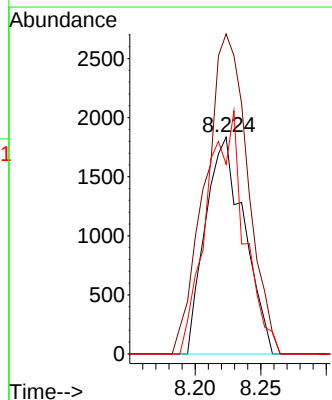
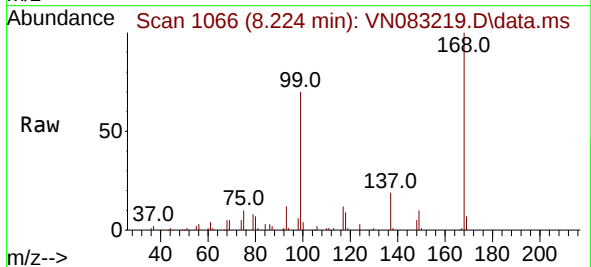


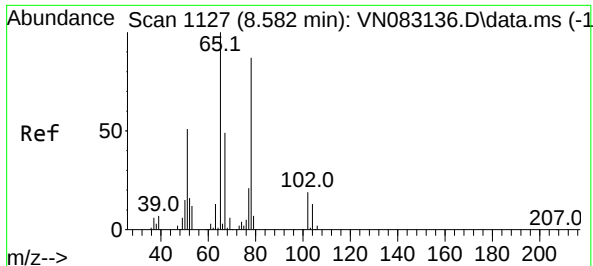
Tgt Ion: 43 Resp: 17644
Ion Ratio Lower Upper
43 100
72 18.8 18.2 27.2



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 56 Resp: 3780
Ion Ratio Lower Upper
56 100
69 147.6 24.5 36.7#
84 87.5 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 59.292 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

Instrument :

MSVOA_N

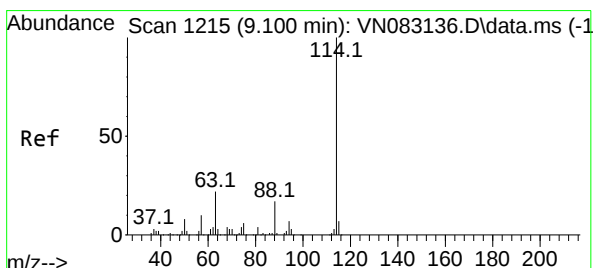
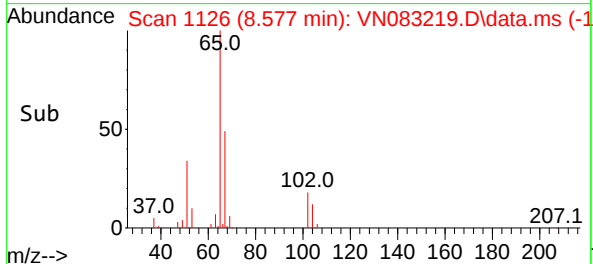
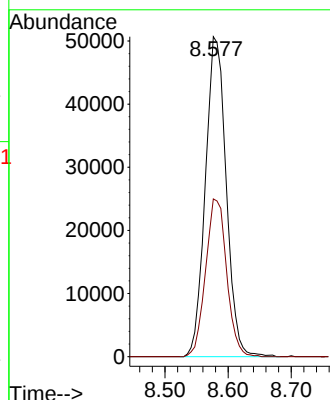
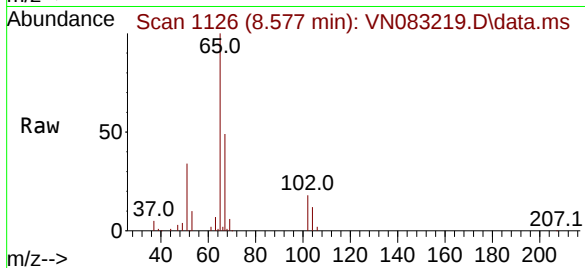
ClientSampleId :

Tgt Ion: 65 Resp: 116318

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

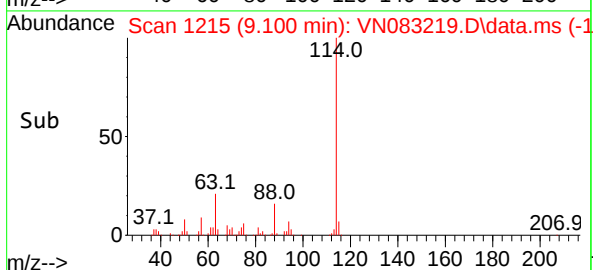
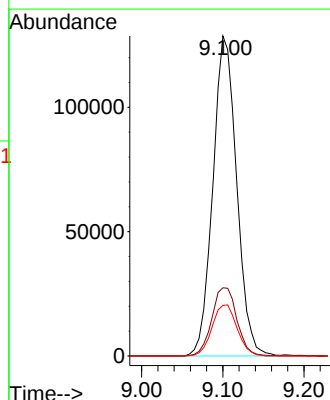
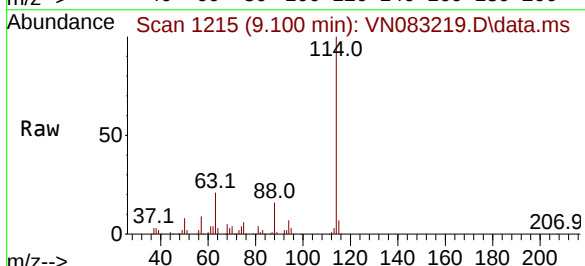
Tgt Ion: 114 Resp: 262202

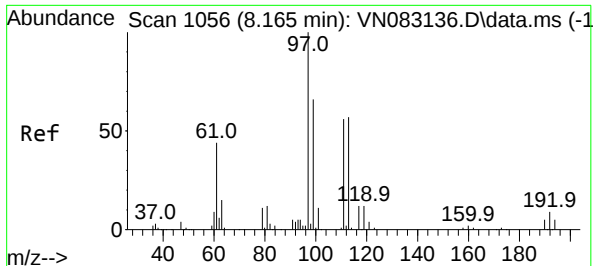
Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 56.024 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :

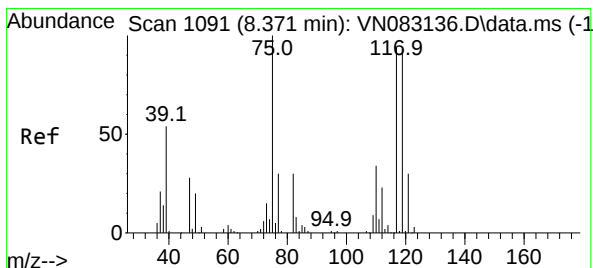
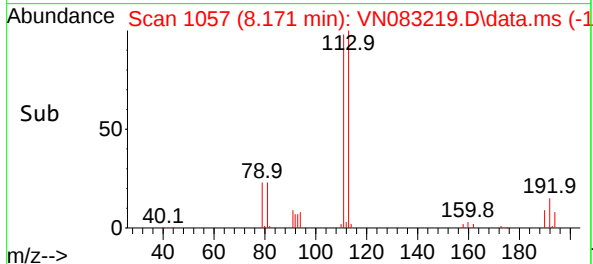
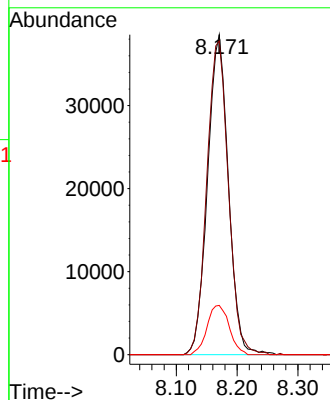
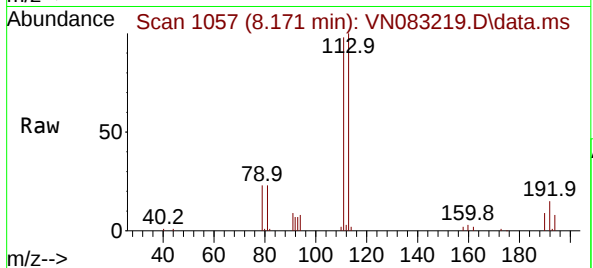
Tgt Ion:113 Resp: 91689

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

192 16.4 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.057 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

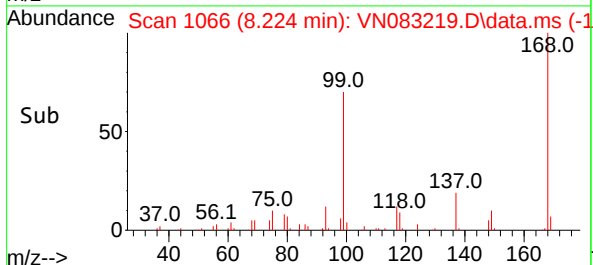
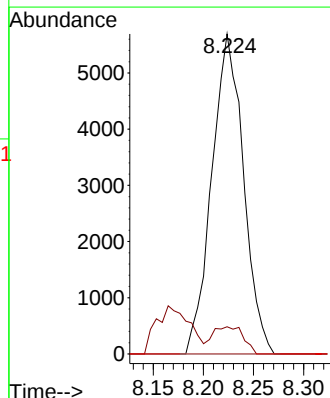
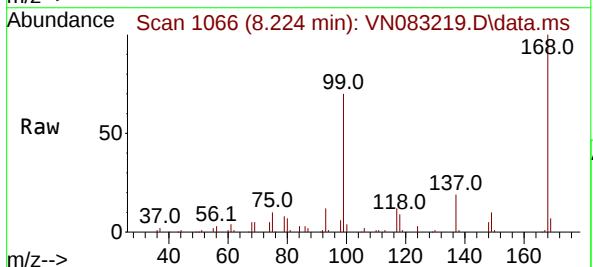
Tgt Ion: 75 Resp: 12520

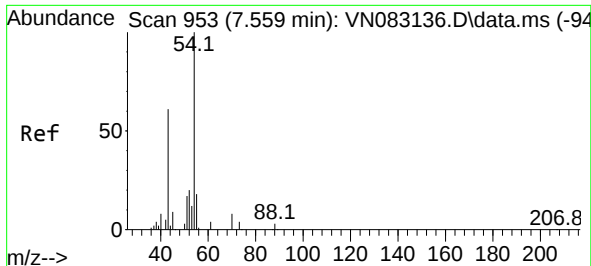
Ion Ratio Lower Upper

75 100

110 8.3 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.435 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

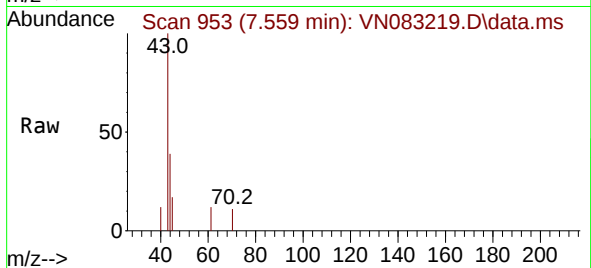
Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

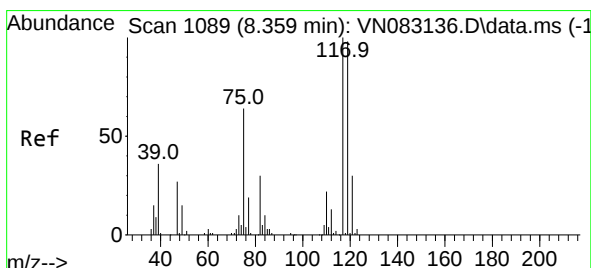
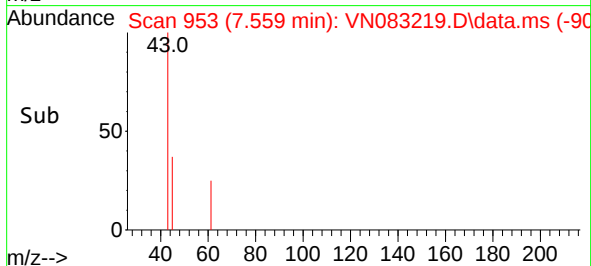
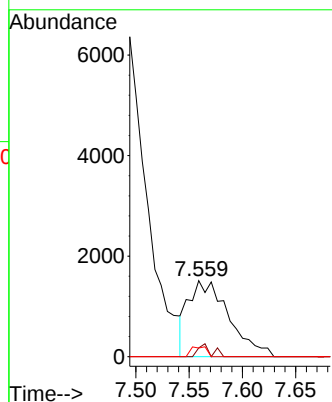
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	3977
Ion	Ratio	Lower Upper
43	100	
61	5.4	9.3 13.9#
70	5.0	7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.500 ug/l

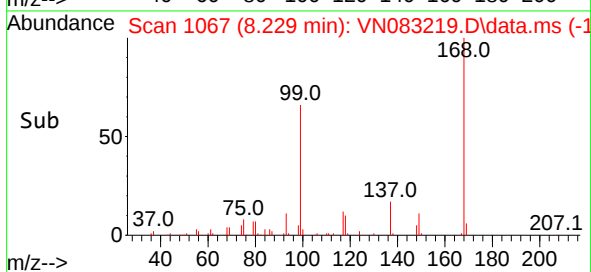
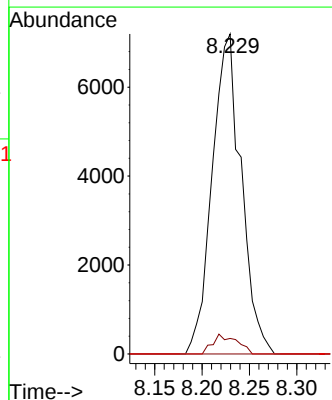
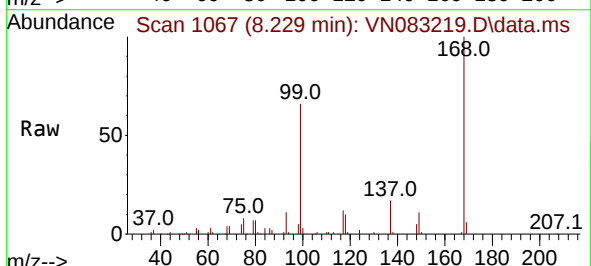
RT: 8.229 min Scan# 1067

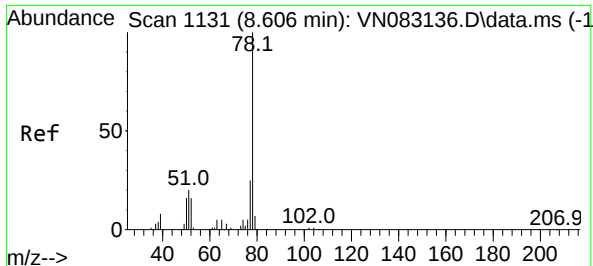
Delta R.T. -0.129 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

Tgt Ion: 117	Resp:	15336
Ion	Ratio	Lower Upper
117	100	
119	4.8	74.9 112.3#
121	0.0	24.3 36.5#

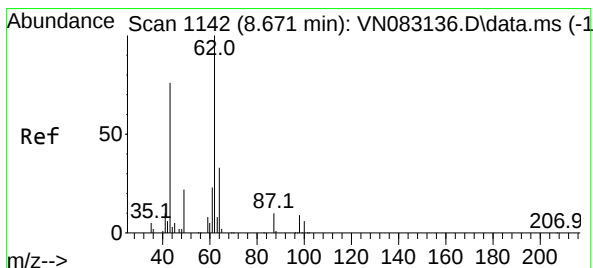
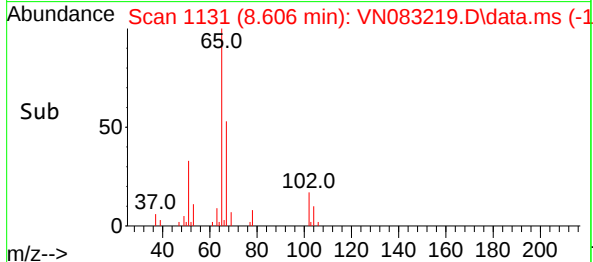
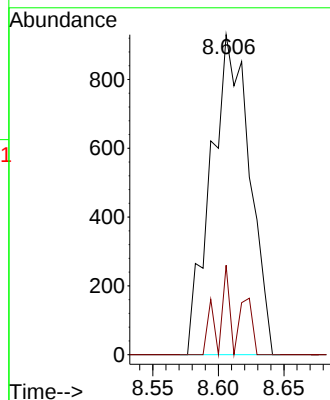
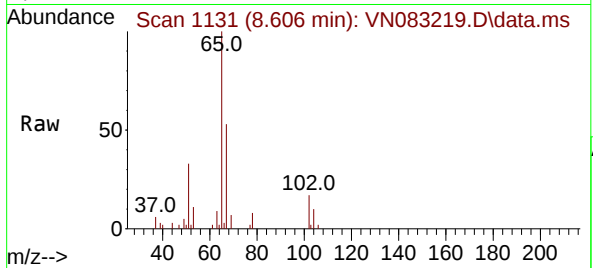




#40
Benzene
Concen: 0.258 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

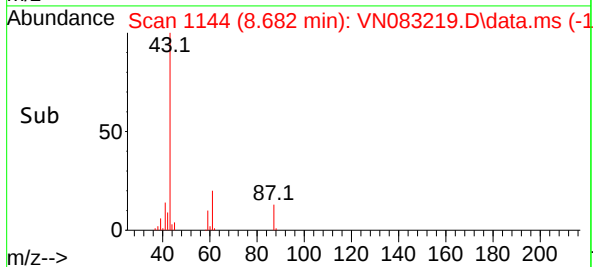
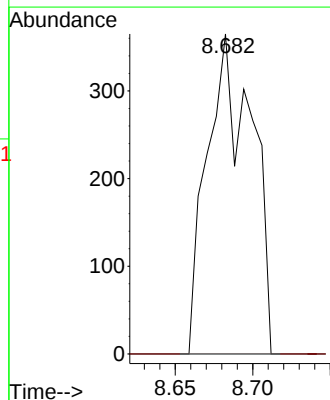
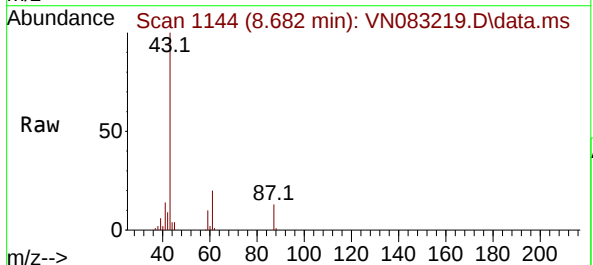
Instrument :
MSVOA_N
ClientSampleId :

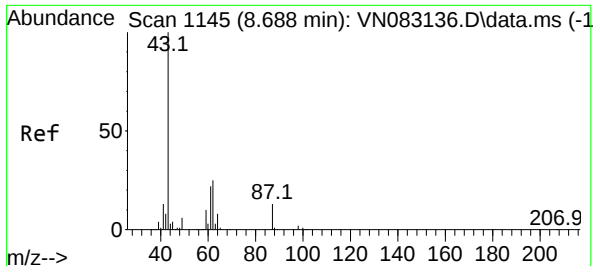
Tgt Ion: 78 Resp: 1903
Ion Ratio Lower Upper
78 100
77 28.0 19.0 28.4



#42
1,2-Dichloroethane
Concen: 0.271 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 62 Resp: 729
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 25.090 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :

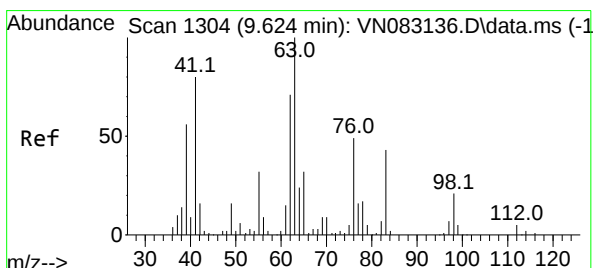
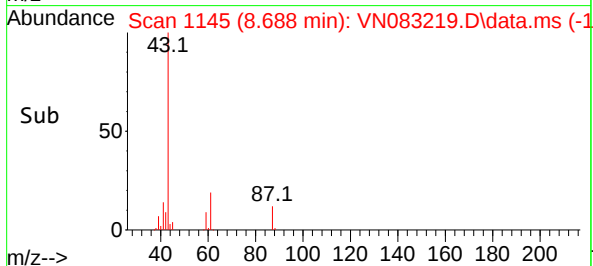
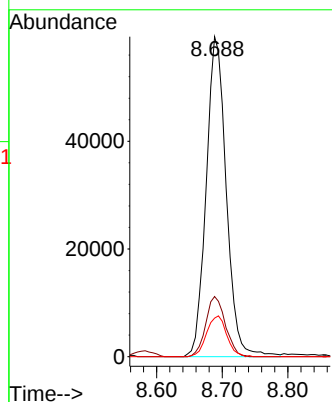
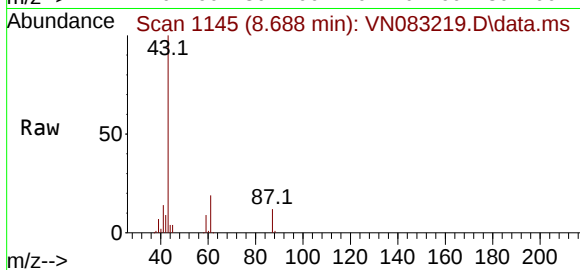
Tgt Ion: 43 Resp: 126578

Ion Ratio Lower Upper

43 100

61 18.3 17.8 26.6

87 12.7 8.2 12.2#



#45

1,2-Dichloropropane

Concen: 0.770 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.112 min

Lab File: VN083219.D

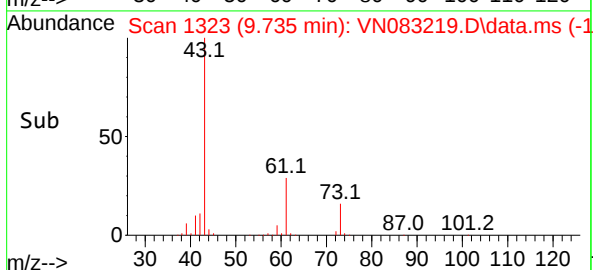
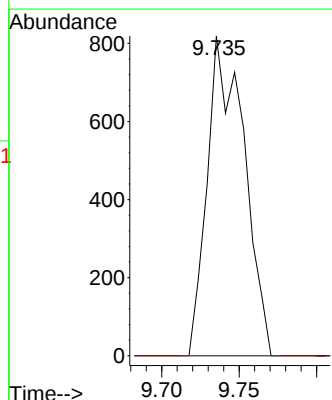
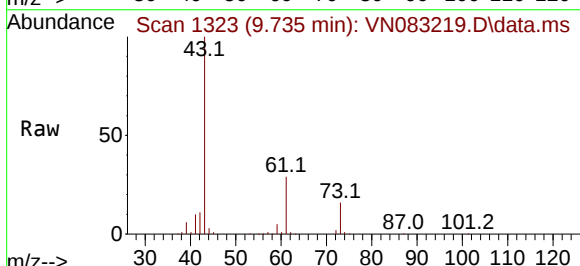
Acq: 10 Aug 2024 19:47

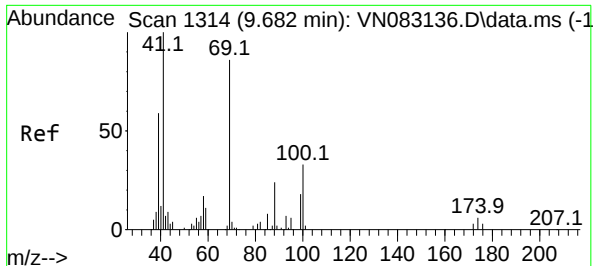
Tgt Ion: 63 Resp: 1348

Ion Ratio Lower Upper

63 100

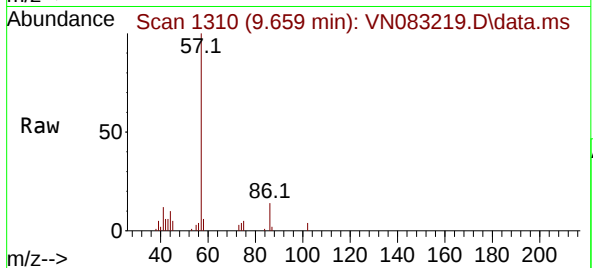
65 0.0 24.4 36.6#



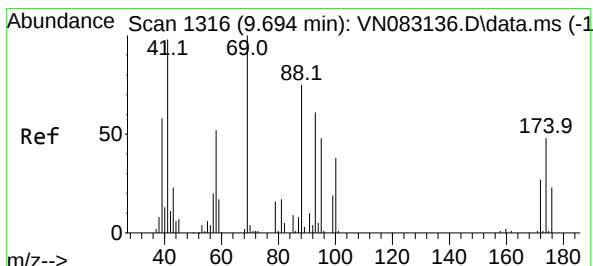
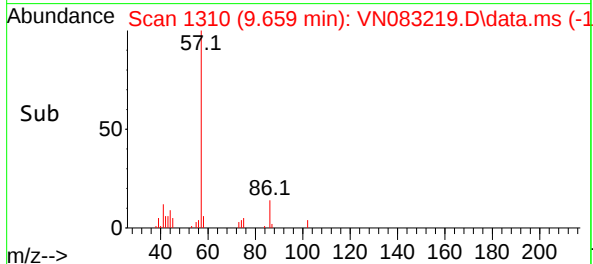
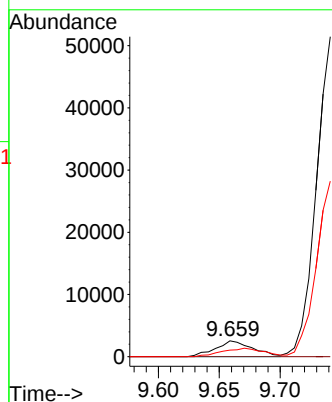


#48
Methyl methacrylate
Concen: 2.351 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

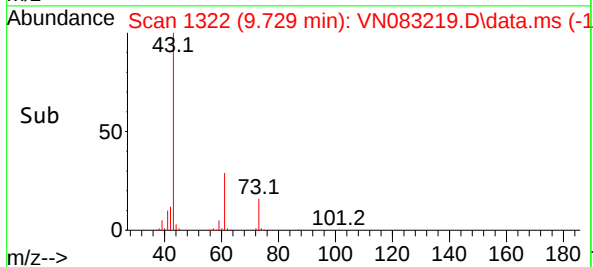
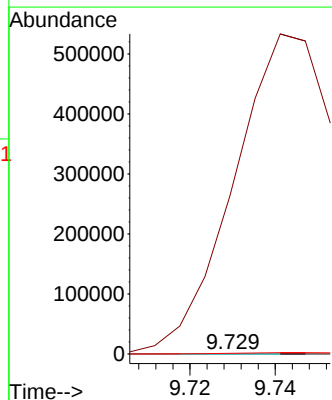
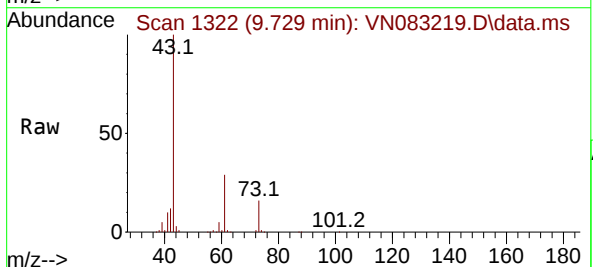


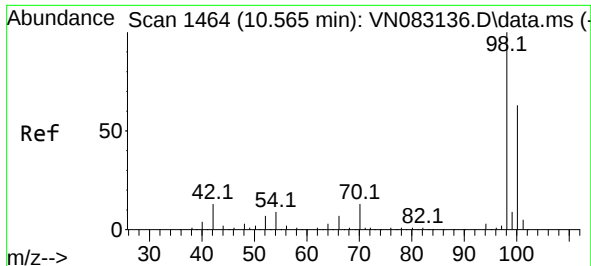
Tgt Ion: 41 Resp: 5387
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 60.0 50.3 75.5



#49
1,4-Dioxane
Concen: 1.330 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 1762018.2 27.8 41.8#
58 7418.2 59.4 89.0#

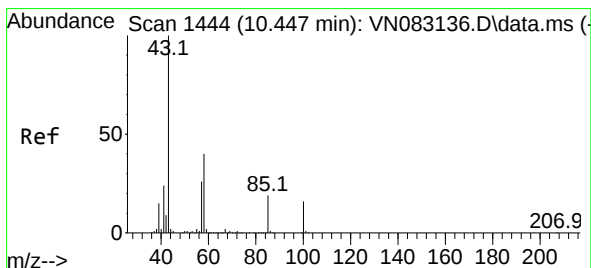
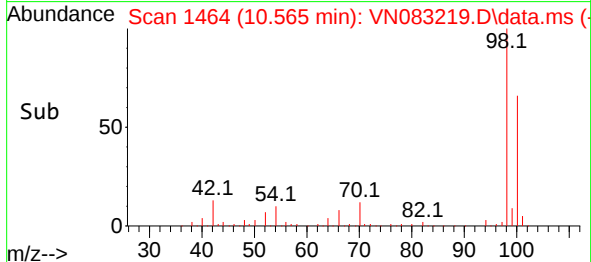
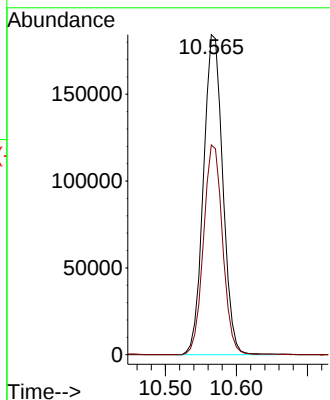
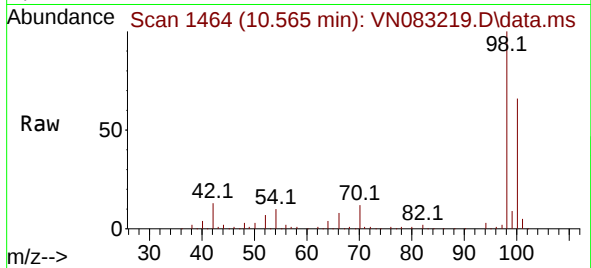




#50
Toluene-d8
Concen: 57.087 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

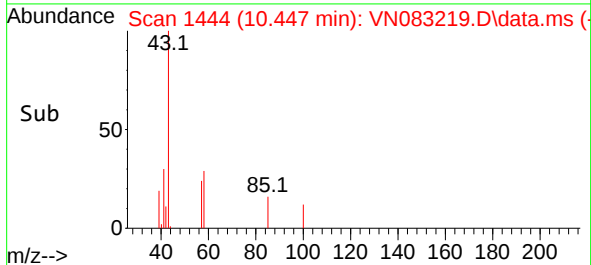
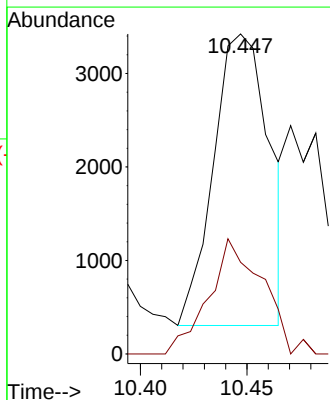
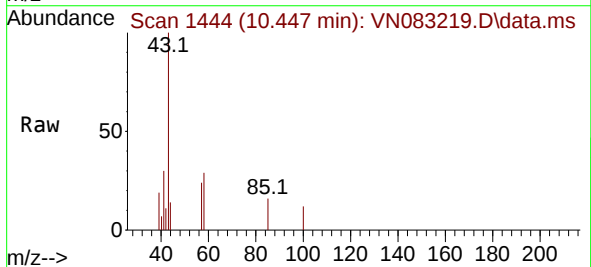
Instrument :
MSVOA_N
ClientSampleId :

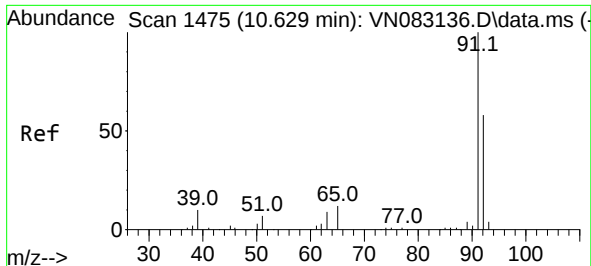
Tgt Ion: 98 Resp: 348513
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.161 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 43 Resp: 5665
Ion Ratio Lower Upper
43 100
58 38.4 28.2 42.4

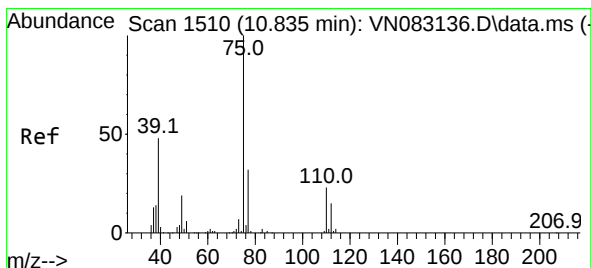
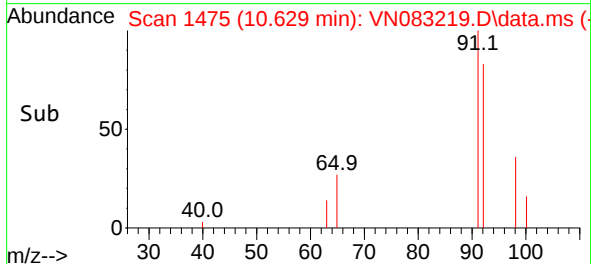
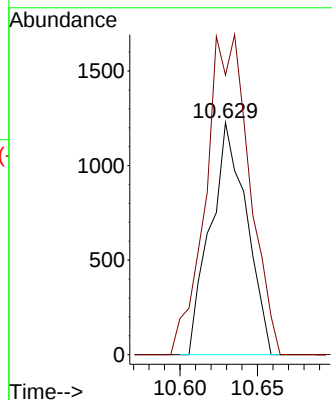
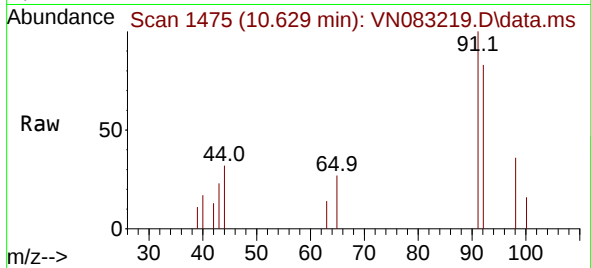




#52
Toluene
Concen: 0.426 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

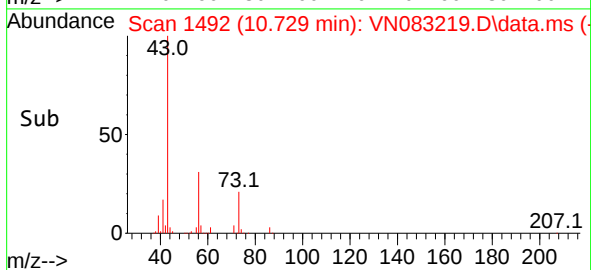
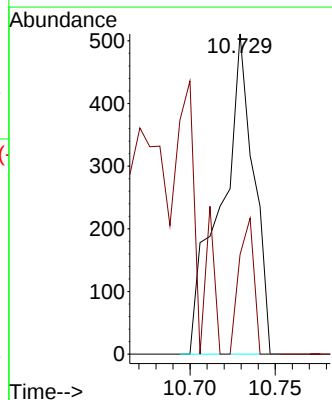
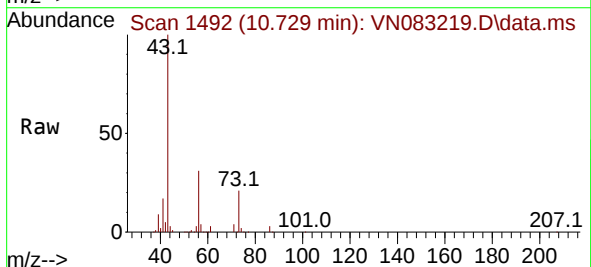
Instrument :
MSVOA_N
ClientSampleId :

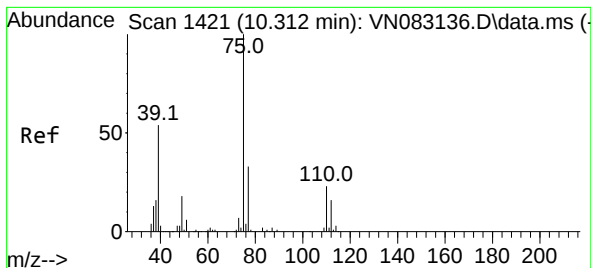
Tgt Ion: 92 Resp: 1985
Ion Ratio Lower Upper
92 100
91 167.0 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.236 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 75 Resp: 681
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5

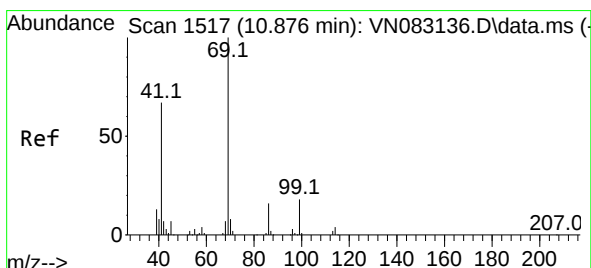
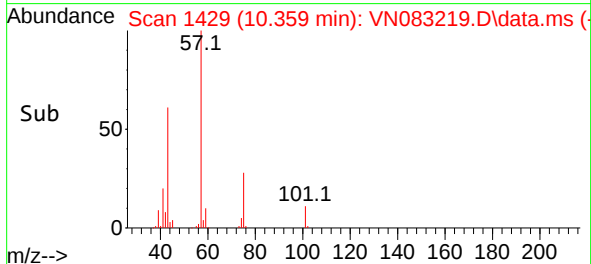
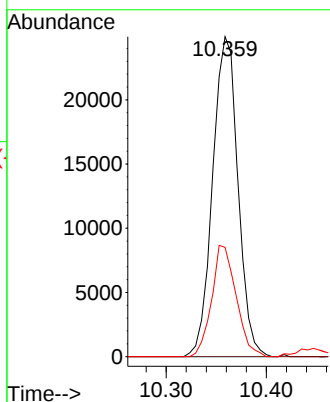
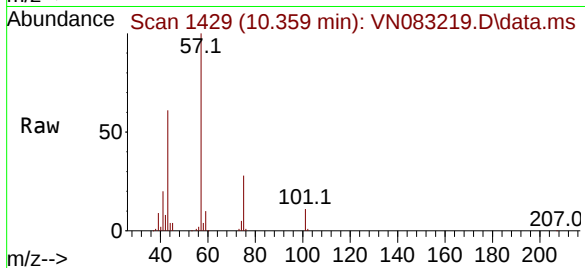




#54
cis-1,3-Dichloropropene
Concen: 14.198 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

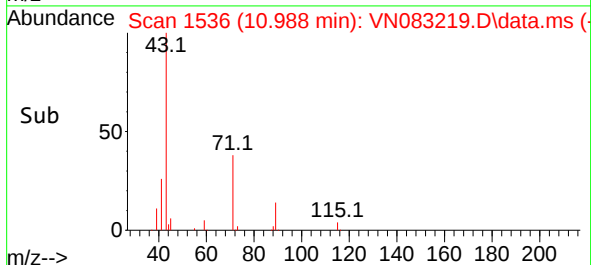
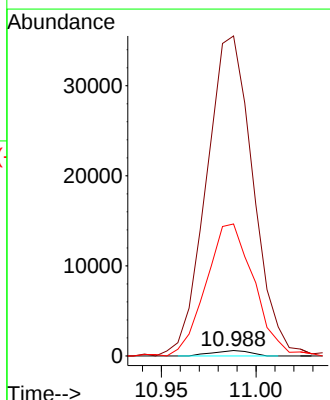
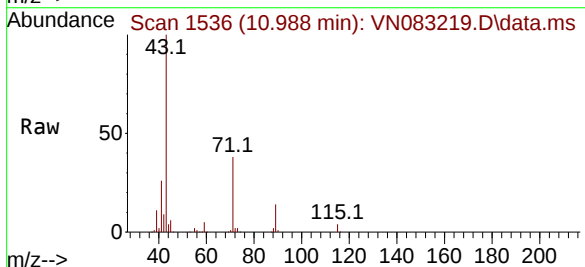
Instrument :
MSVOA_N
ClientSampleId :

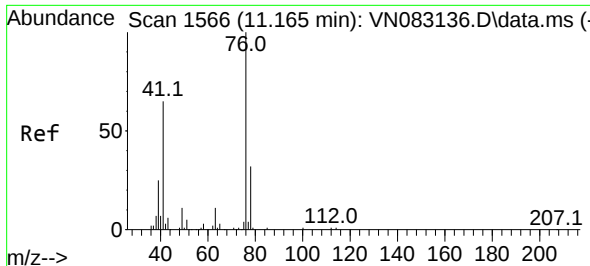
Tgt Ion: 75 Resp: 43645
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 34.2 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.263 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 69 Resp: 828
Ion Ratio Lower Upper
69 100
41 7403.5 63.4 95.2#
39 3137.0 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.565 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

Instrument :

MSVOA_N

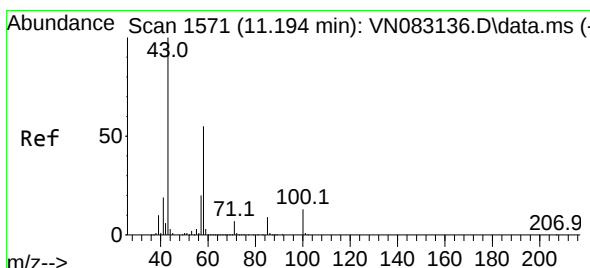
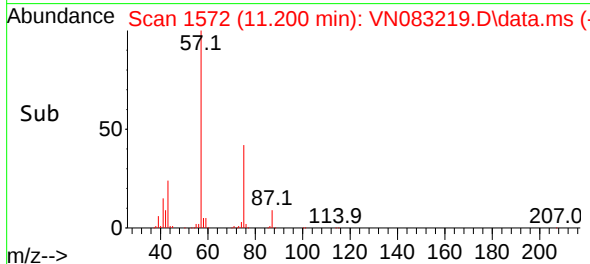
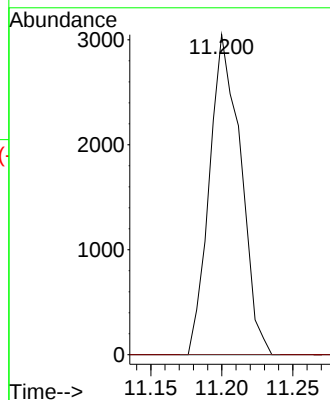
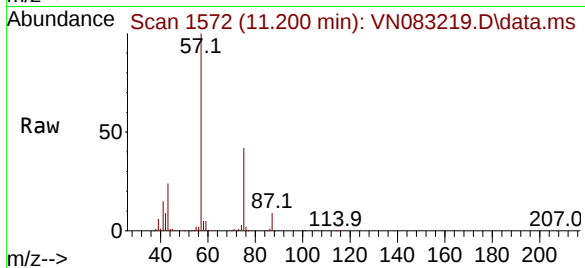
ClientSampleId :

Tgt Ion: 76 Resp: 4659

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 52.139 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083219.D

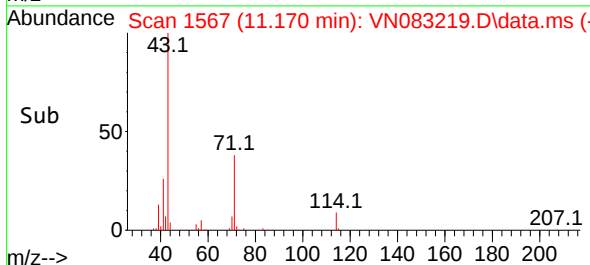
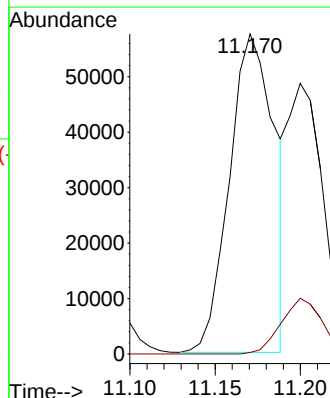
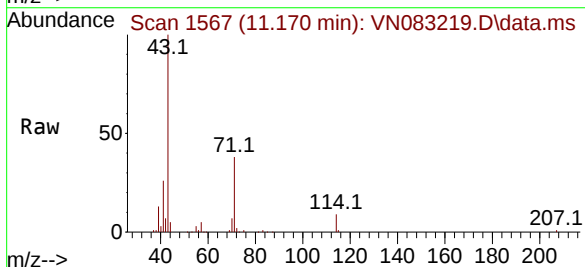
Acq: 10 Aug 2024 19:47

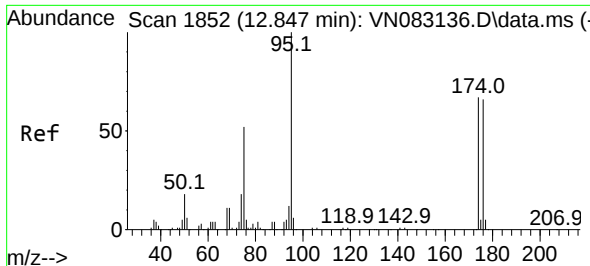
Tgt Ion: 43 Resp: 105735

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

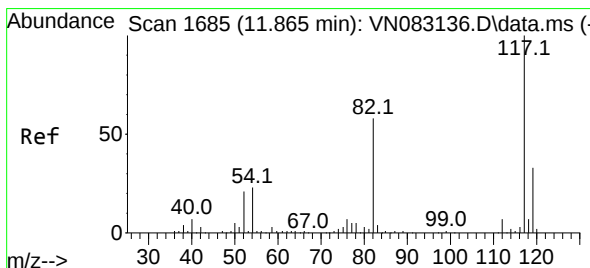
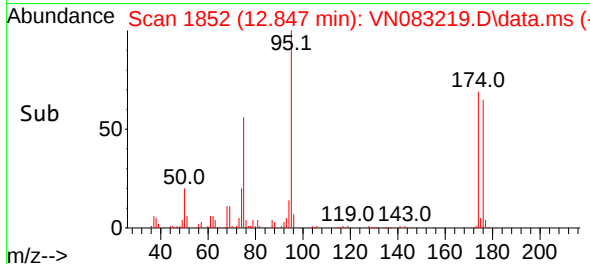
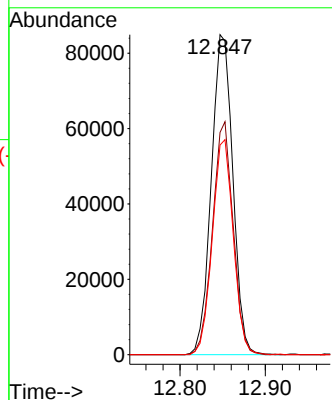
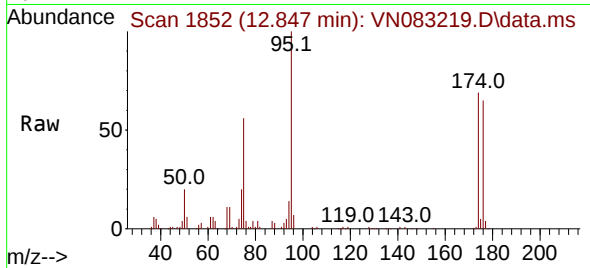




#62
4-Bromofluorobenzene
Concen: 62.528 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

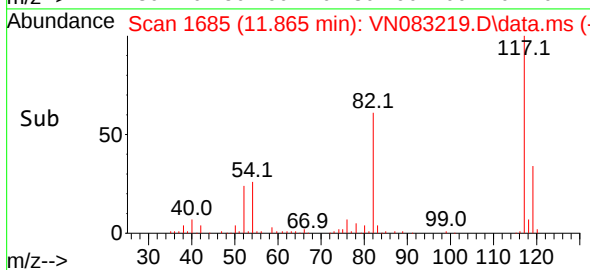
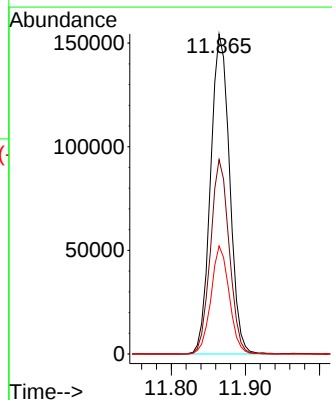
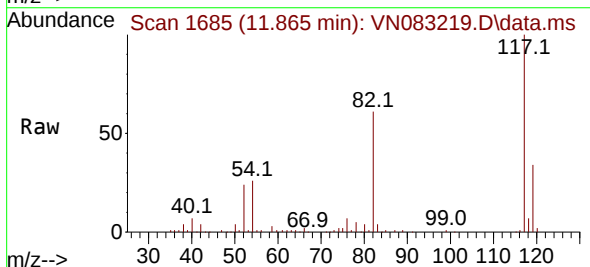
Instrument :
MSVOA_N
ClientSampleId :

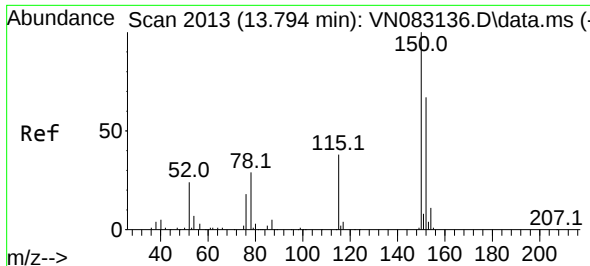
Tgt Ion: 95 Resp: 148821
Ion Ratio Lower Upper
95 100
174 69.9 0.0 159.2
176 65.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

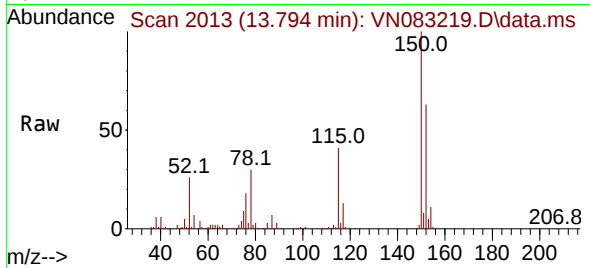
Tgt Ion: 117 Resp: 275888
Ion Ratio Lower Upper
117 100
82 60.8 47.5 71.3
119 33.8 25.6 38.4



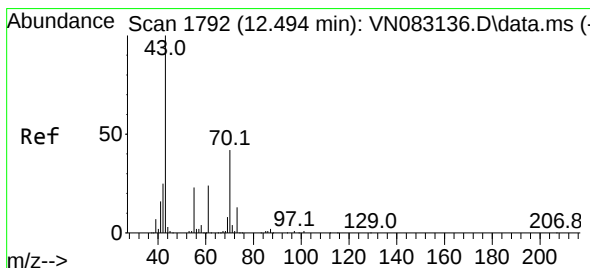
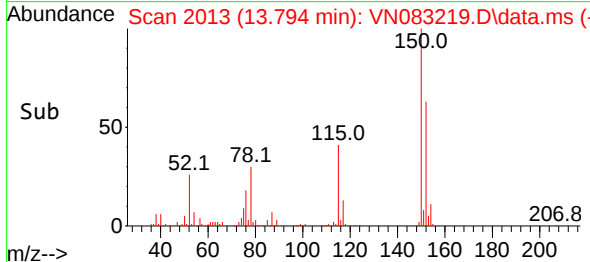
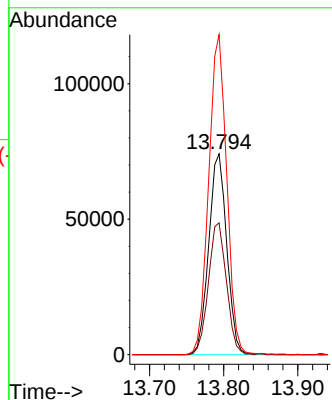


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

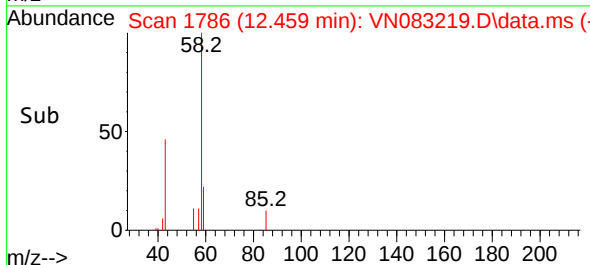
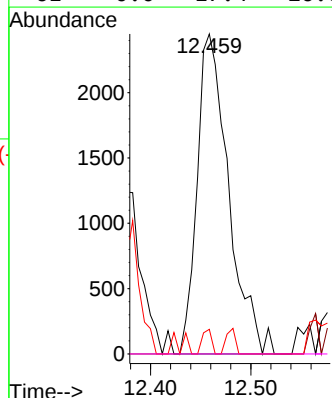
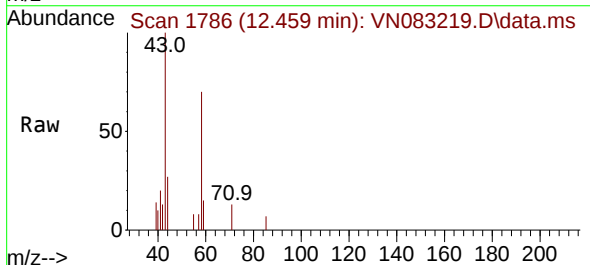


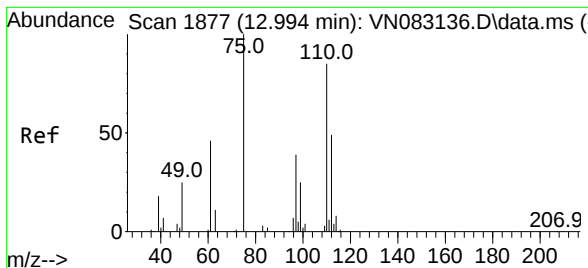
Tgt Ion:152 Resp: 125515
Ion Ratio Lower Upper
152 100
115 65.5 30.6 91.6
150 158.9 0.0 348.6



#74
N-ethyl acetate
Concen: 1.040 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN083219.D
Acq: 10 Aug 2024 19:47

Tgt Ion: 43 Resp: 5339
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 2.3 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 29.662 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

Instrument :

MSVOA_N

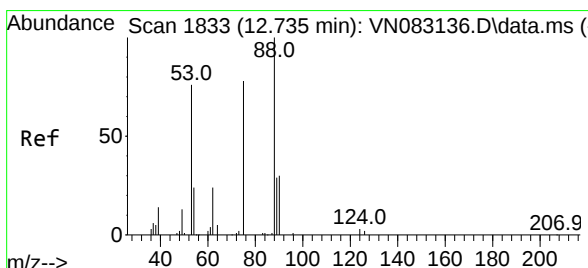
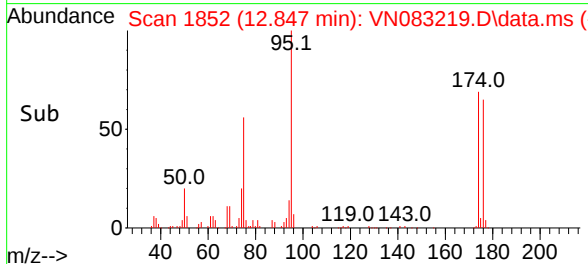
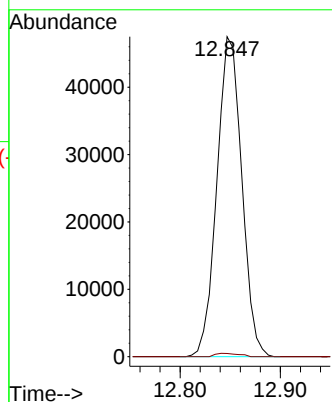
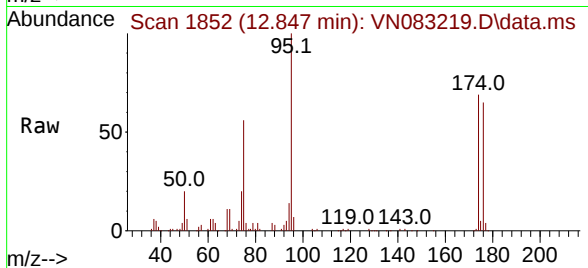
ClientSampleId :

Tgt Ion: 75 Resp: 81711

Ion Ratio Lower Upper

75 100

77 1.0 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.522 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

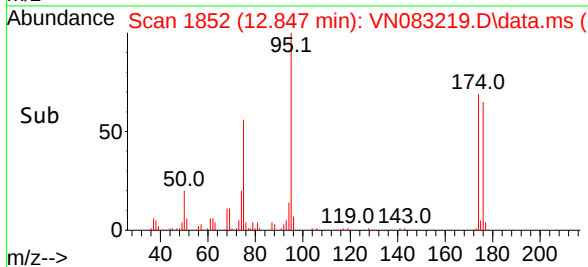
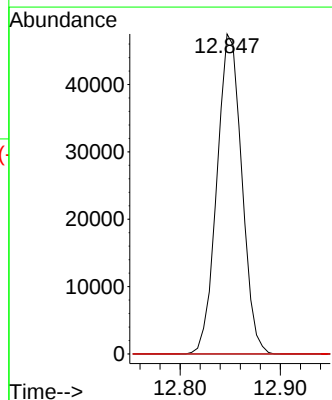
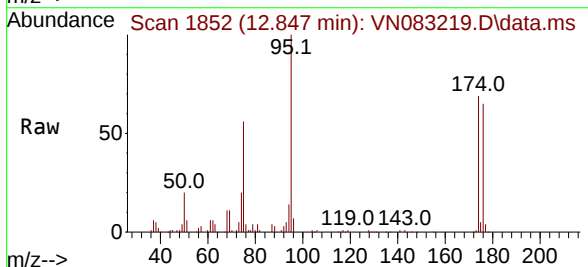
Tgt Ion: 75 Resp: 81711

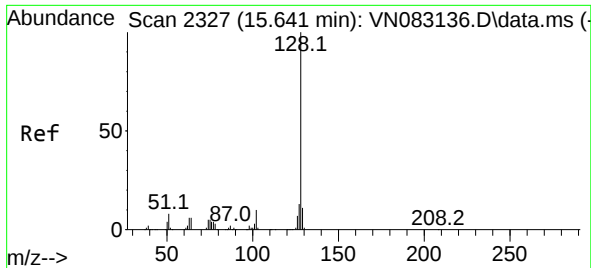
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#95

Naphthalene

Concen: 0.731 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

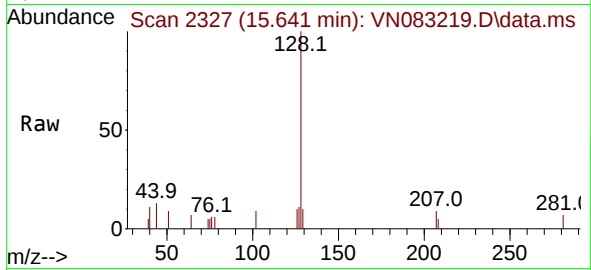
Lab File: VN083219.D

Acq: 10 Aug 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	6158
Ion	Ratio	Lower	Upper
128	100		
127	8.9	10.6	16.0#
129	9.7	8.6	12.8

