

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
 Data File : VN083627.D
 Acq On : 03 Sep 2024 16:21
 Operator : JC\MD
 Sample : PB163072ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 02:58:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

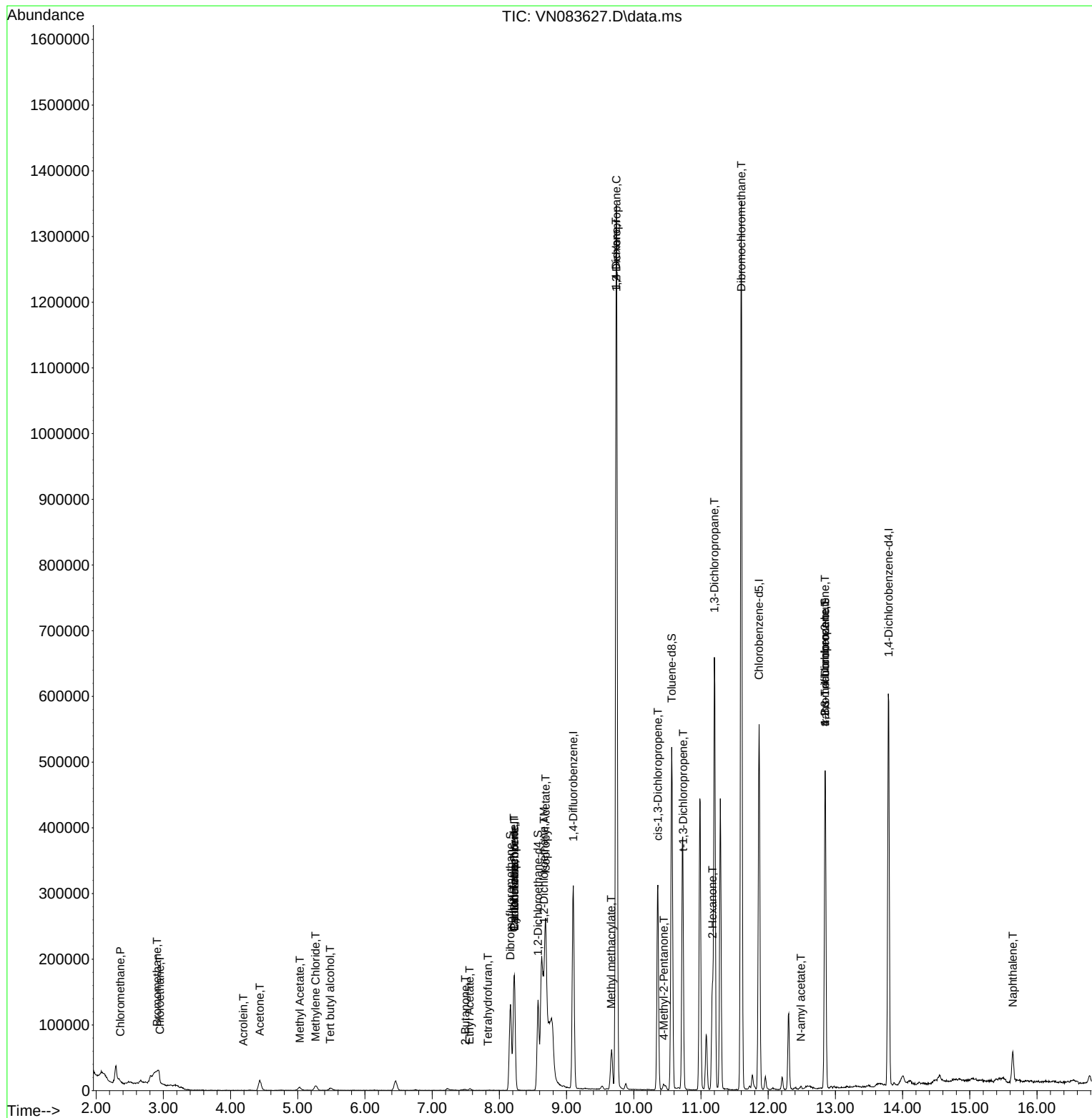
Internal Standards						
1) Pentafluorobenzene	8.224	168	122177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113025	66.192	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 132.380%#			
35) Dibromofluoromethane	8.165	113	92086	59.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.020%			
50) Toluene-d8	10.565	98	346506	57.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.540%#			
62) 4-Bromofluorobenzene	12.847	95	168972	75.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 151.400%#			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	524	0.348	ug/l #	82
5) Bromomethane	2.906	94	496	0.626	ug/l #	56
6) Chloroethane	2.947	64	1151	1.168	ug/l	92
11) Tert butyl alcohol	5.483	59	3715	13.954	ug/l #	71
13) Acrolein	4.189	56	55	0.218	ug/l #	13
16) Acetone	4.436	43	25997	38.178	ug/l	94
18) Methyl Acetate	5.030	43	9690	5.351	ug/l	98
20) Methylene Chloride	5.265	84	5365	3.568	ug/l #	77
25) 2-Butanone	7.494	43	3164	3.413	ug/l	91
29) Tetrahydrofuran	7.830	42	196	0.341	ug/l #	32
31) Cyclohexane	8.224	56	3148	1.192	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	11790	4.995	ug/l #	51
37) Ethyl Acetate	7.559	43	4184	1.781	ug/l #	74
38) Carbon Tetrachloride	8.218	117	13869	5.150	ug/l #	17
42) 1,2-Dichloroethane	8.665	62	586	0.218	ug/l #	77
43) Isopropyl Acetate	8.688	43	207089	43.787	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1529	0.904	ug/l #	42
48) Methyl methacrylate	9.665	41	3734	1.938	ug/l #	47
49) 1,4-Dioxane	9.735	88	53	1.679	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10930	5.005	ug/l #	70
53) t-1,3-Dichloropropene	10.735	75	842	0.306	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	55662	19.286	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	6754	2.354	ug/l #	42
59) 2-Hexanone	11.171	43	133765	81.620	ug/l #	24
60) Dibromochloromethane	11.600	129	402	0.214	ug/l #	10
74) N-amyl acetate	12.488	43	1610	0.301	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	92073	29.981	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	92073	70.713	ug/l #	9
95) Naphthalene	15.641	128	42516	4.322	ug/l	97

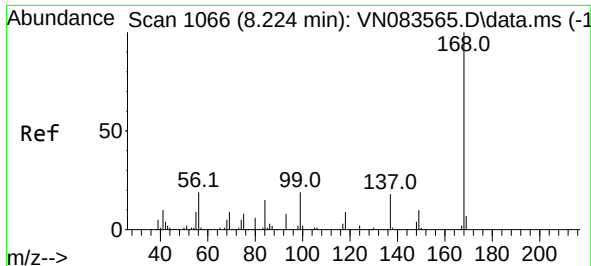
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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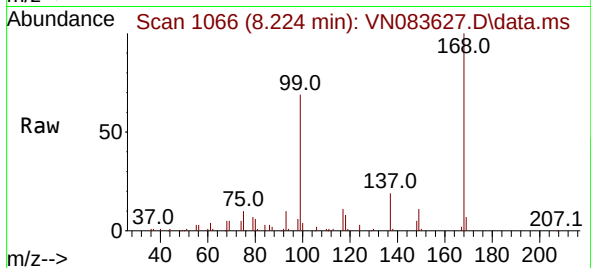
Quant Time: Sep 04 02:58:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
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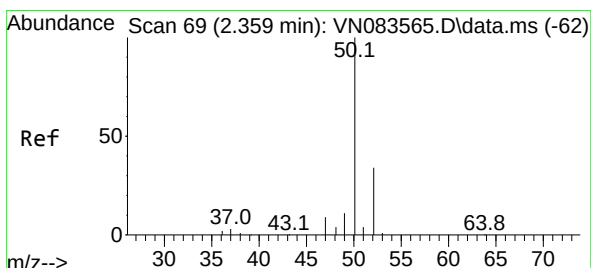
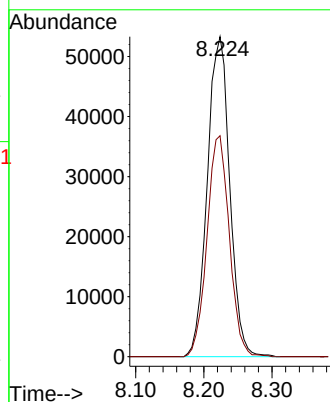
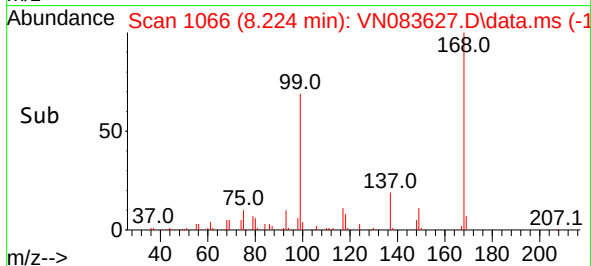


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

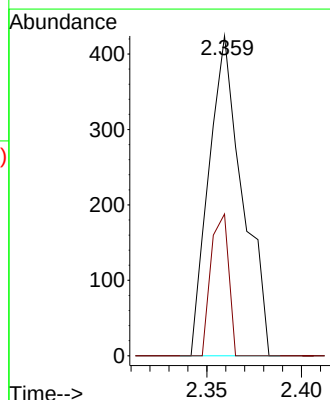
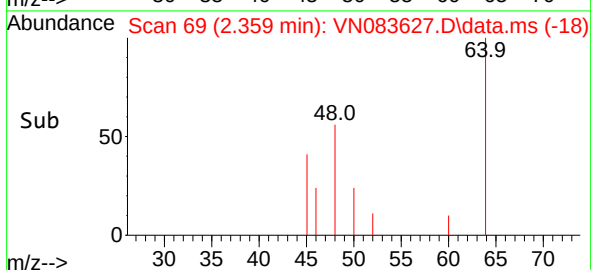
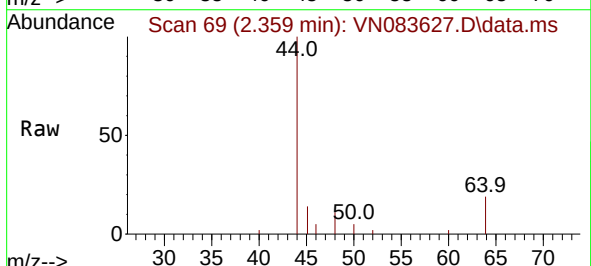


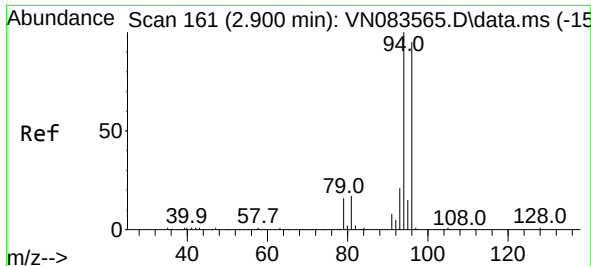
Tgt Ion:168 Resp: 122177
Ion Ratio Lower Upper
168 100
99 69.0 54.2 81.2



#3
Chloromethane
Concen: 0.348 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Tgt Ion: 50 Resp: 524
Ion Ratio Lower Upper
50 100
52 44.3 27.2 40.8#

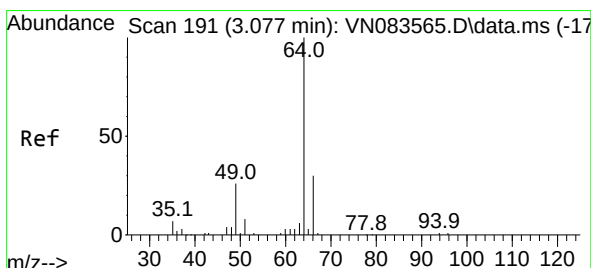
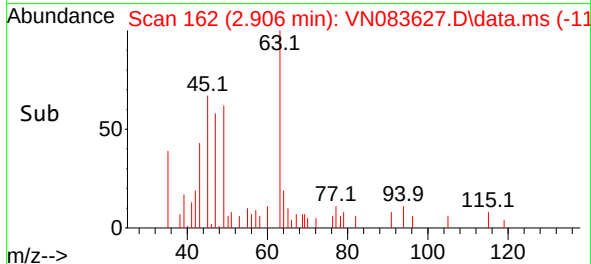
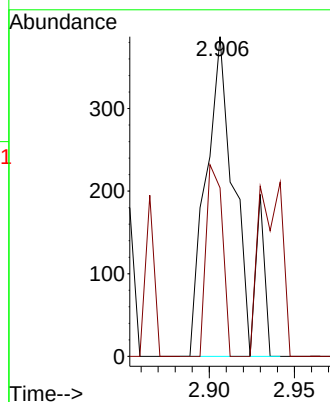
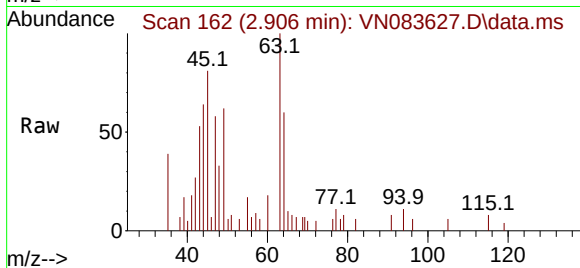




#5
Bromomethane
Concen: 0.626 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

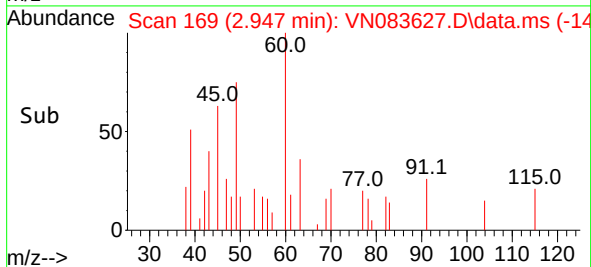
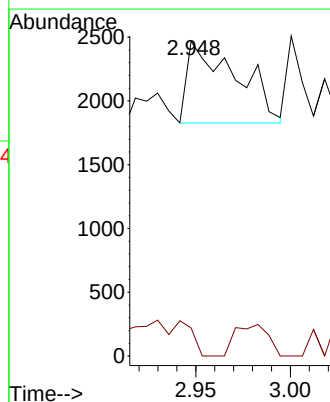
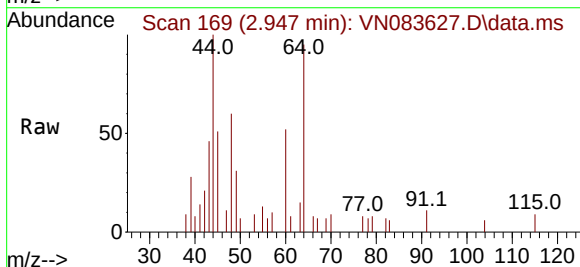
Instrument :
MSVOA_N
ClientSampleId :

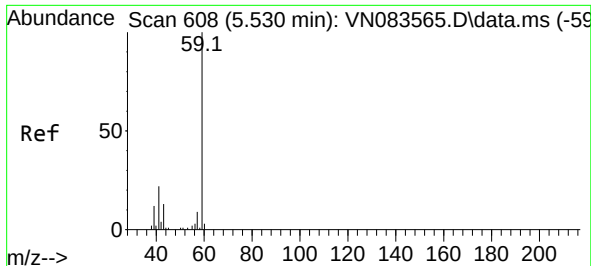
Tgt Ion: 94 Resp: 496
Ion Ratio Lower Upper
94 100
96 52.7 76.0 114.0#



#6
Chloroethane
Concen: 1.168 ug/l
RT: 2.947 min Scan# 169
Delta R.T. -0.129 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

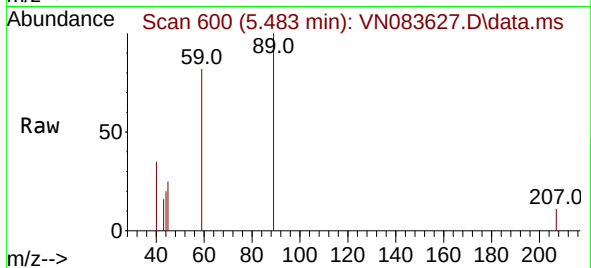
Tgt Ion: 64 Resp: 1151
Ion Ratio Lower Upper
64 100
66 34.3 23.9 35.9



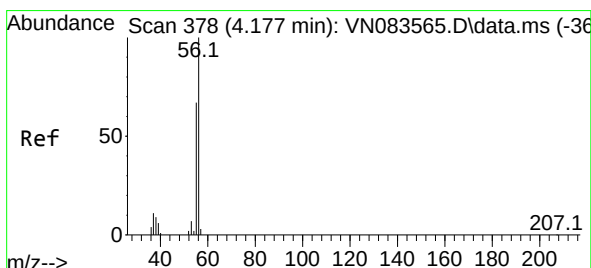
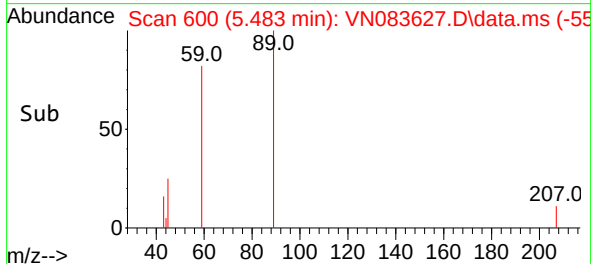
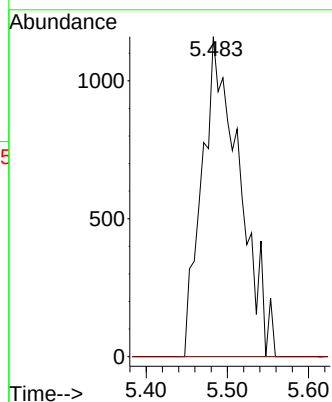


#11
Tert butyl alcohol
Concen: 13.954 ug/l
RT: 5.483 min Scan# 608
Delta R.T. -0.047 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

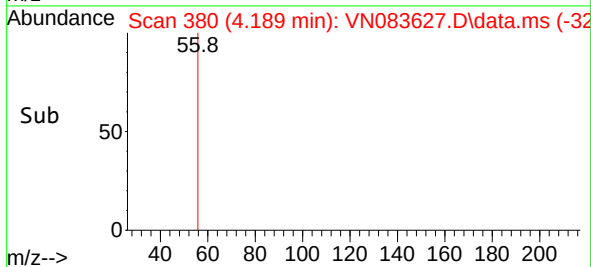
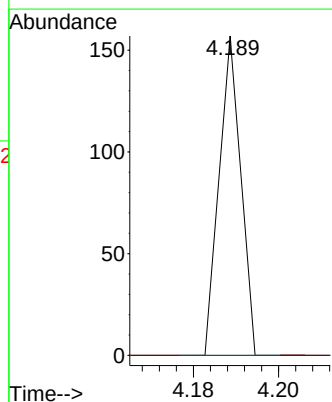
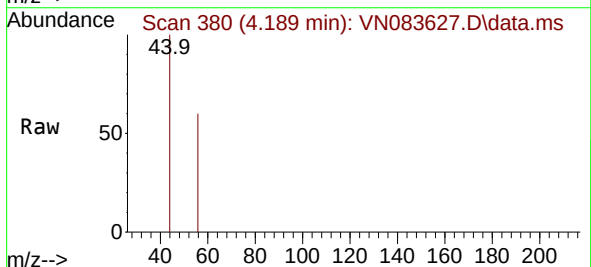


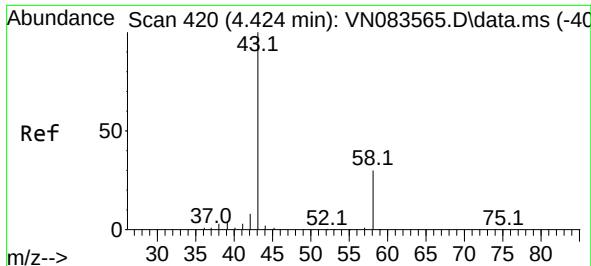
Tgt Ion: 59 Resp: 3715
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.218 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

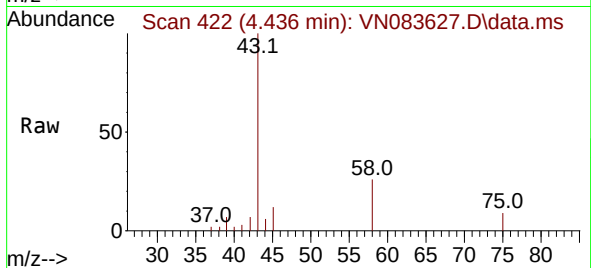
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



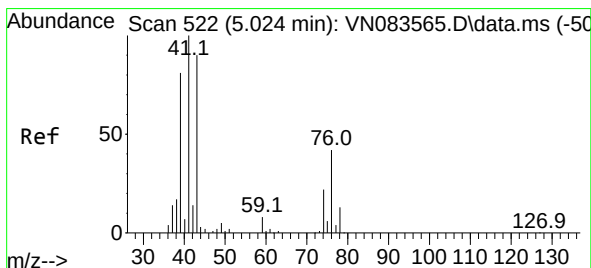
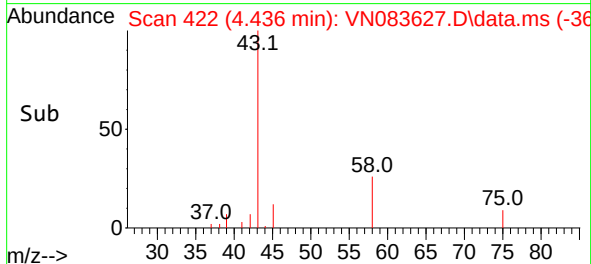
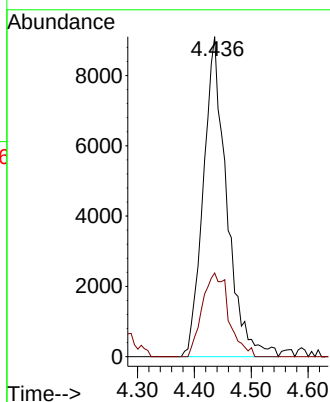


#16
Acetone
Concen: 38.178 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

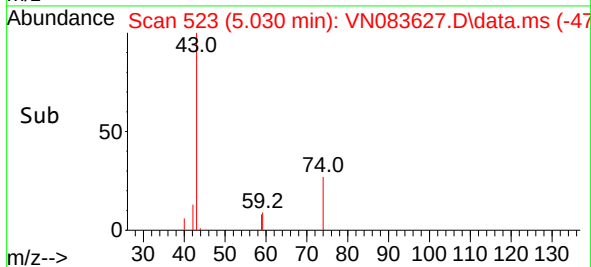
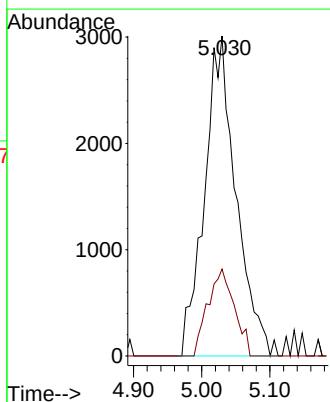
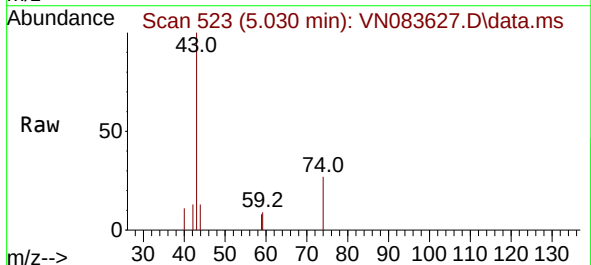


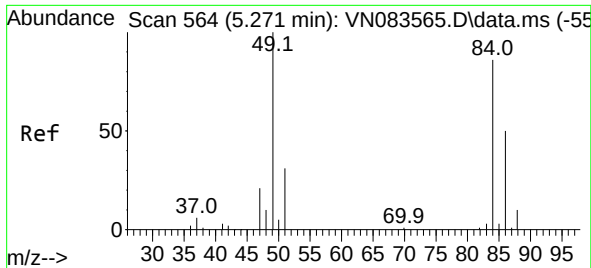
Tgt Ion: 43 Resp: 25997
Ion Ratio Lower Upper
43 100
58 26.2 23.7 35.5



#18
Methyl Acetate
Concen: 5.351 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

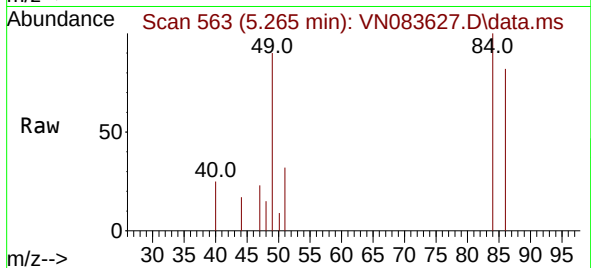
Tgt Ion: 43 Resp: 9690
Ion Ratio Lower Upper
43 100
74 22.8 19.0 28.4



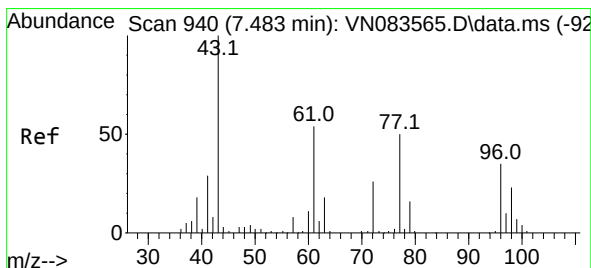
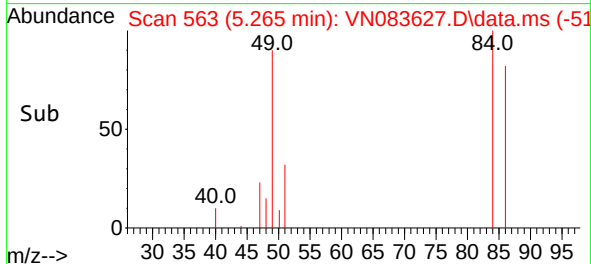
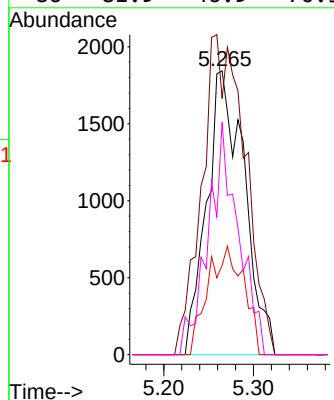


#20
Methylene Chloride
Concen: 3.568 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

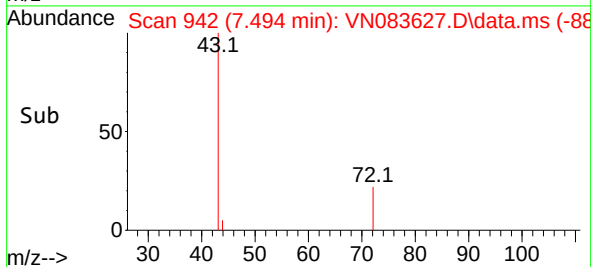
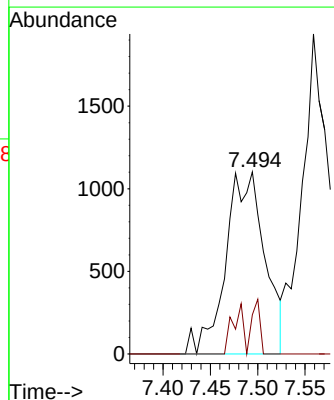
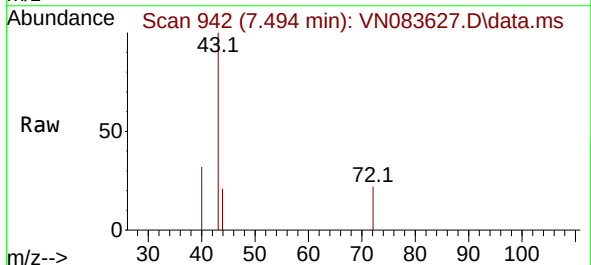


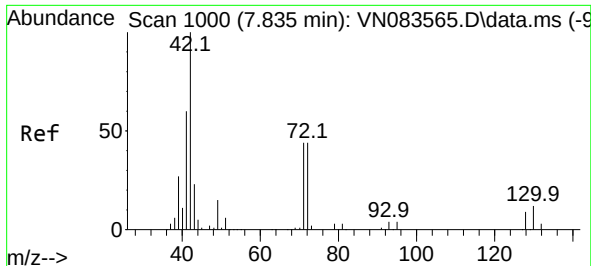
Tgt Ion: 84	Resp: 5365
Ion Ratio	Lower Upper
84 100	
49 90.3	93.4 140.0#
51 31.5	29.2 43.8
86 81.9	46.9 70.3#



#25
2-Butanone
Concen: 3.413 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Tgt Ion: 43	Resp: 3164		
Ion Ratio	Lower	Upper	
43 100			
72 21.5	20.8	31.2	





#29

Tetrahydrofuran

Concen: 0.341 ug/l

RT: 7.830 min Scan# 91

Delta R.T. -0.006 min

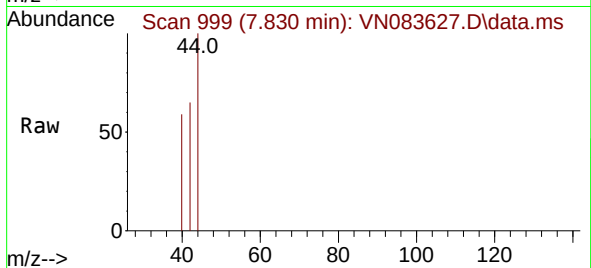
Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

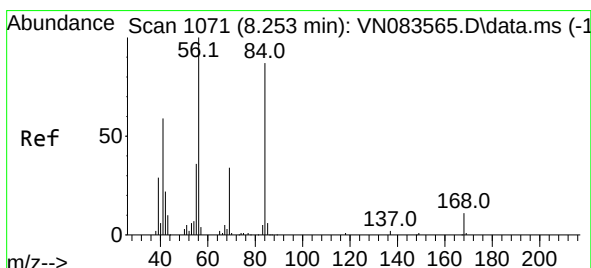
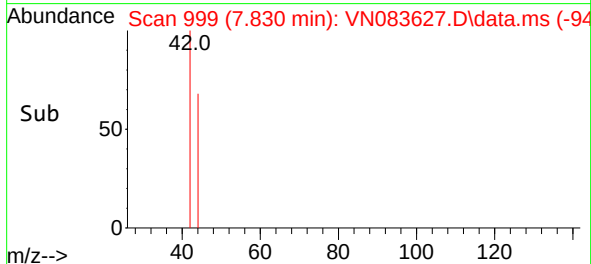
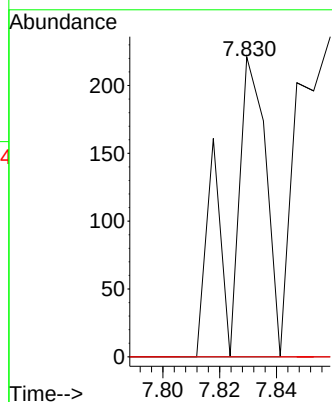
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	196
Ion Ratio	Lower	Upper	
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.192 ug/l

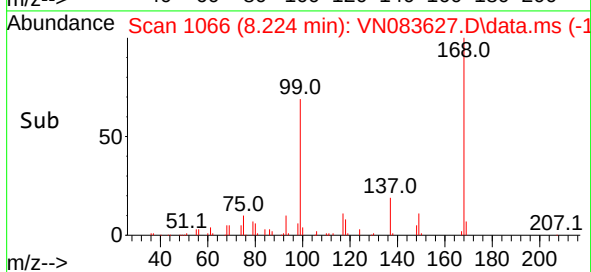
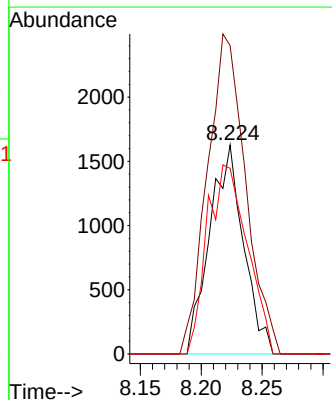
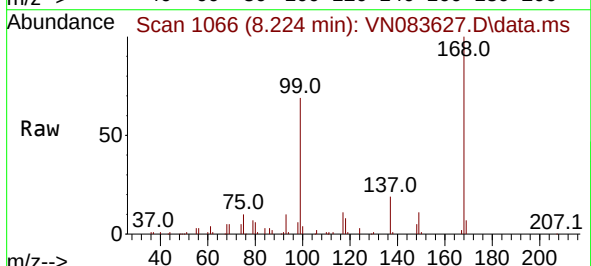
RT: 8.224 min Scan# 1066

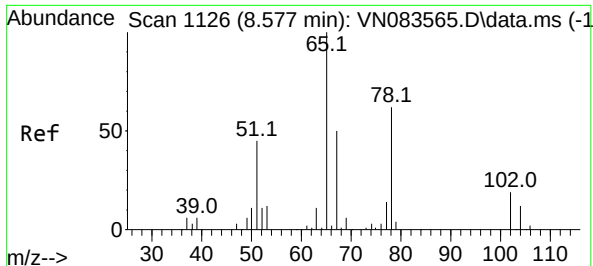
Delta R.T. -0.029 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

Tgt Ion:	56	Resp:	3148
Ion Ratio	Lower	Upper	
56	100		
69	147.6	26.9	40.3#
84	88.8	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 66.192 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

Instrument :

MSVOA_N

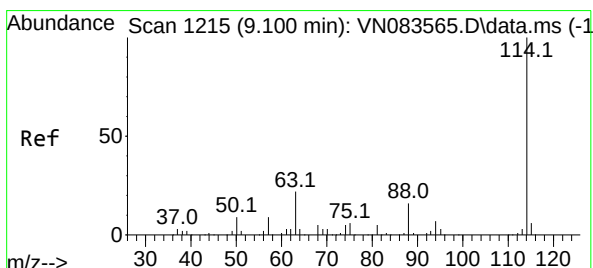
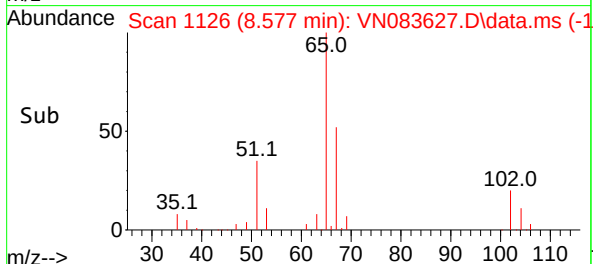
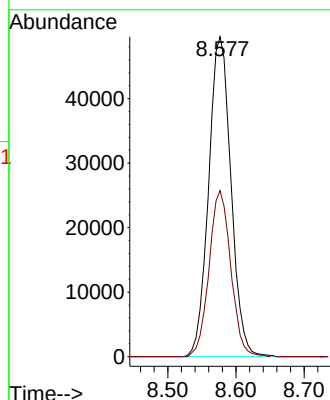
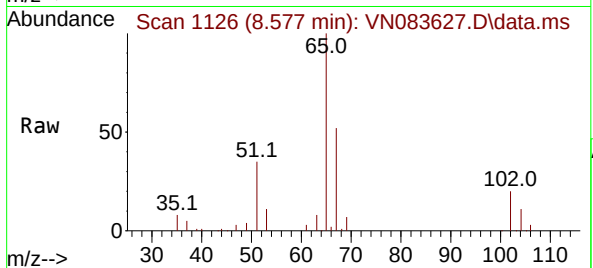
ClientSampleId :

Tgt Ion: 65 Resp: 113025

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

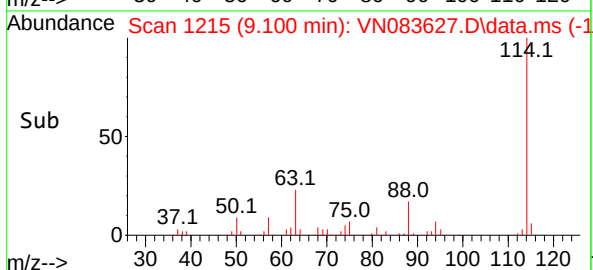
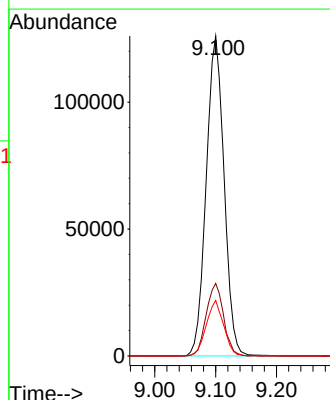
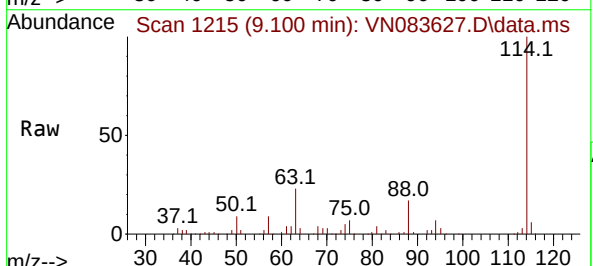
Tgt Ion: 114 Resp: 257088

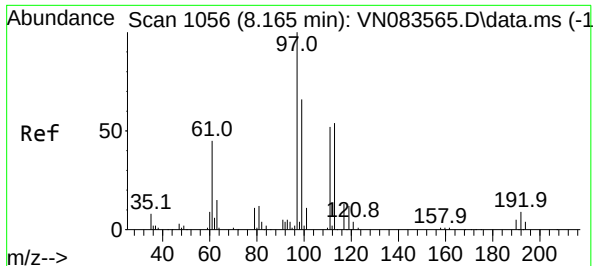
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

88 17.4 0.0 32.6

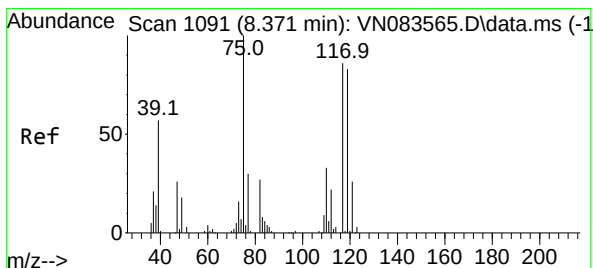
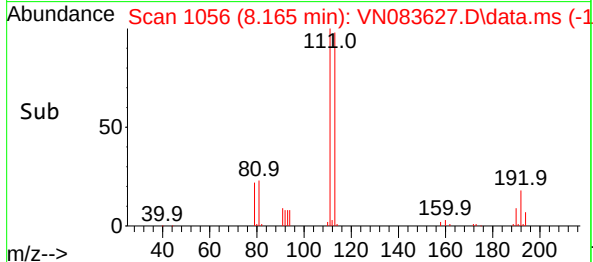
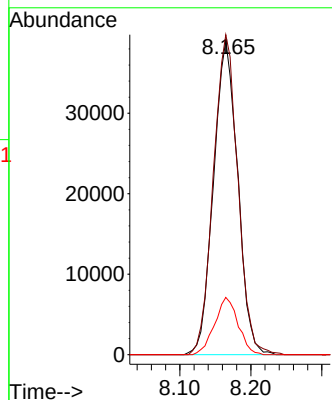
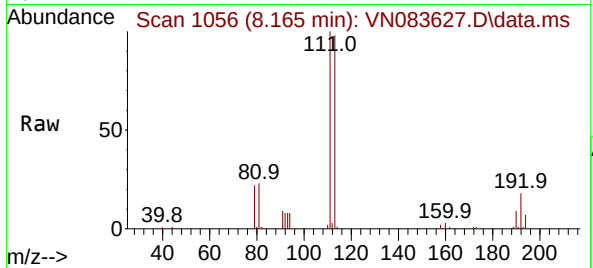




#35
Dibromofluoromethane
Concen: 59.512 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

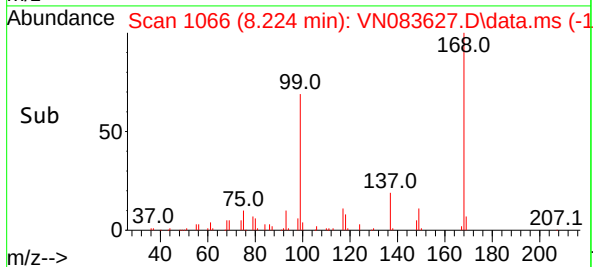
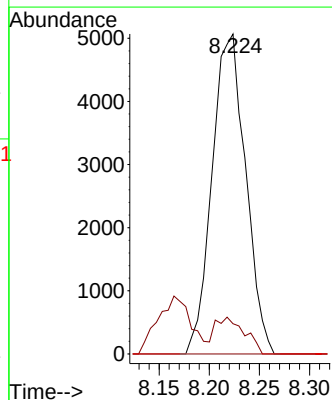
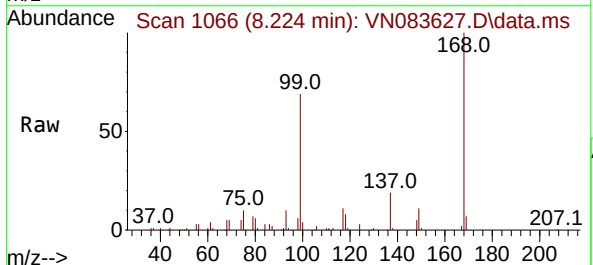
Instrument :
MSVOA_N
ClientSampleId :

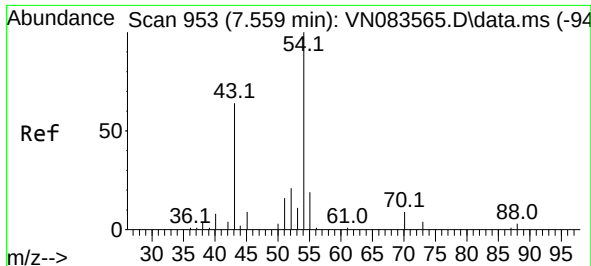
Tgt Ion:113 Resp: 92086
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 17.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

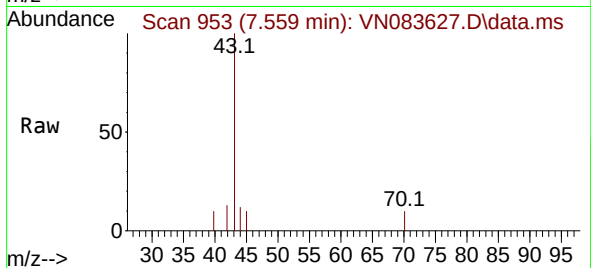
Tgt Ion: 75 Resp: 11790
Ion Ratio Lower Upper
75 100
110 9.9 16.7 50.1#
77 0.0 25.2 37.8#



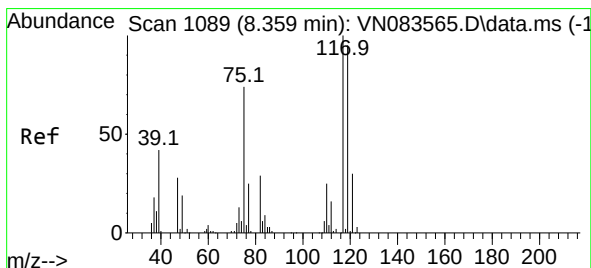
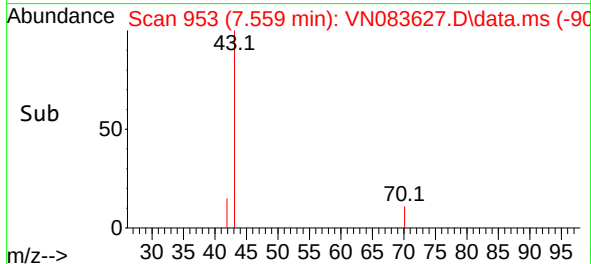
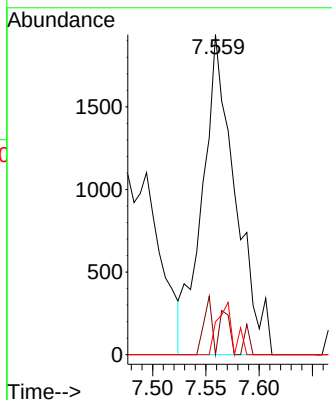


#37
Ethyl Acetate
Concen: 1.781 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

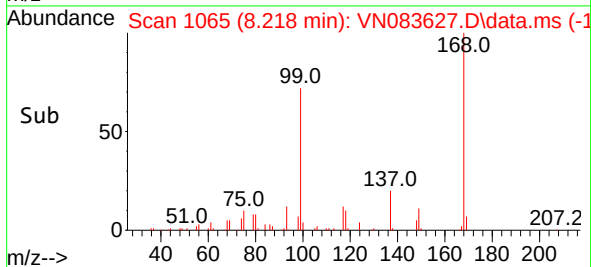
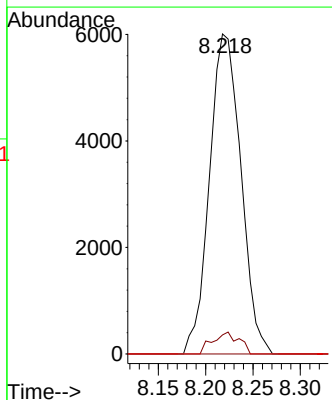
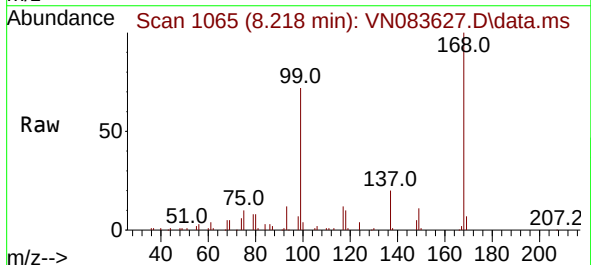


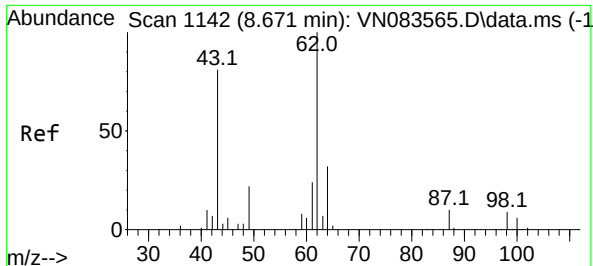
Tgt Ion: 43 Resp: 4184
Ion Ratio Lower Upper
43 100
61 4.4 11.1 16.7#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.150 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Tgt Ion: 117 Resp: 13869
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.1 36.1#

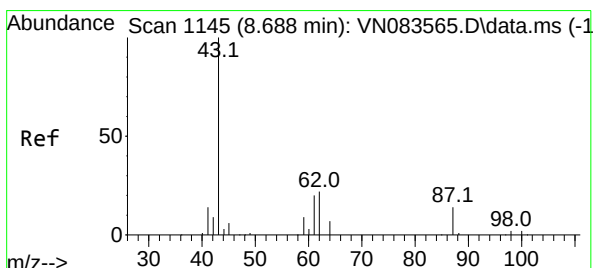
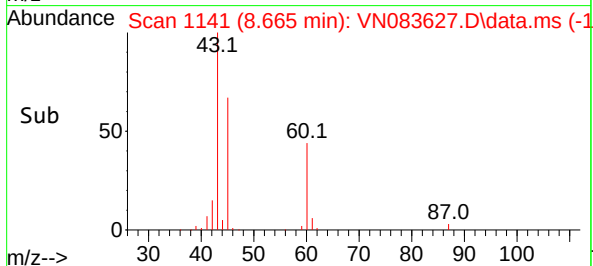
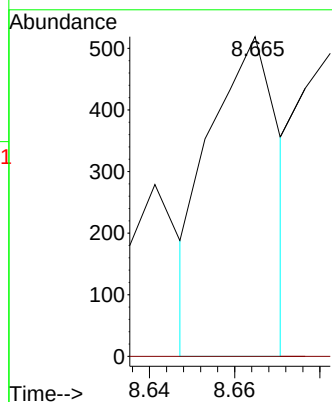
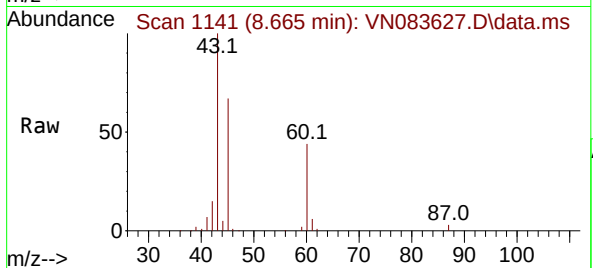




#42
1,2-Dichloroethane
Concen: 0.218 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

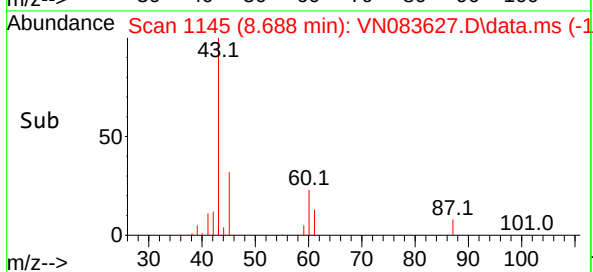
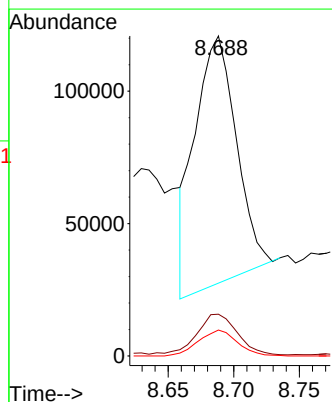
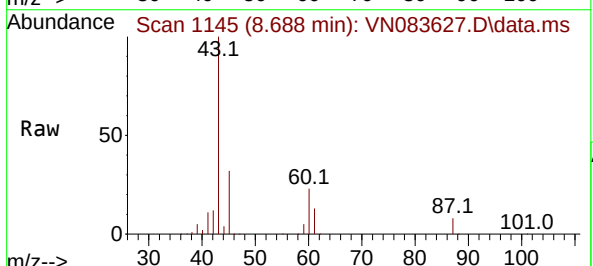
Instrument :
MSVOA_N
ClientSampleId :

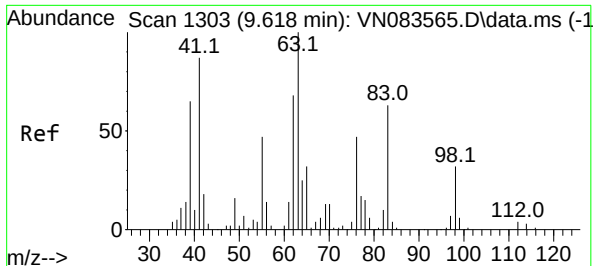
Tgt Ion: 62 Resp: 586
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 43.787 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Tgt Ion: 43 Resp: 207089
Ion Ratio Lower Upper
43 100
61 17.2 19.4 29.0#
87 9.7 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.904 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.123 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

Instrument :

MSVOA_N

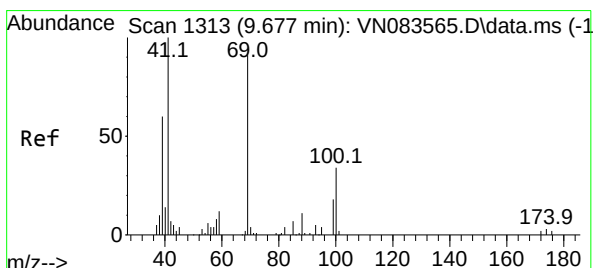
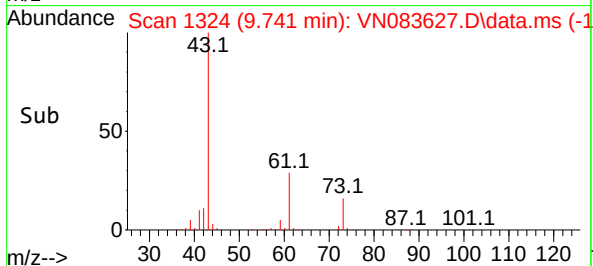
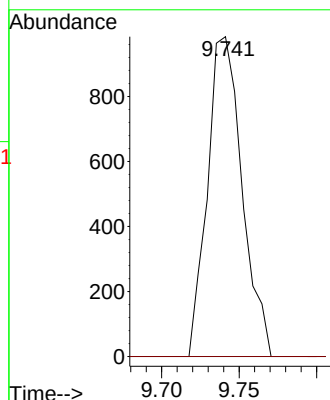
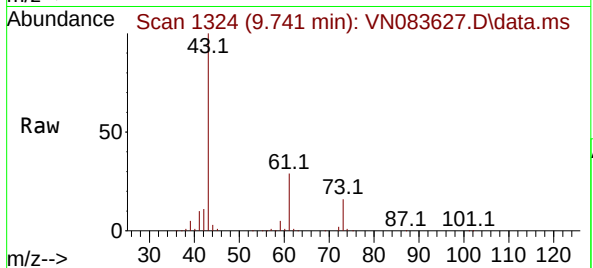
ClientSampleId :

Tgt Ion: 63 Resp: 1529

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.938 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

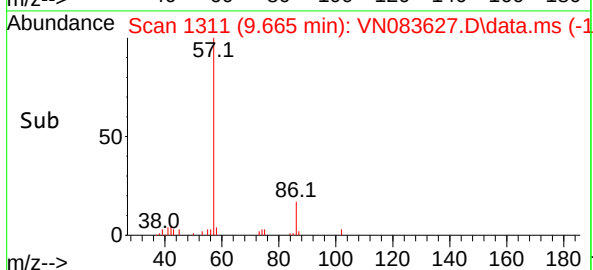
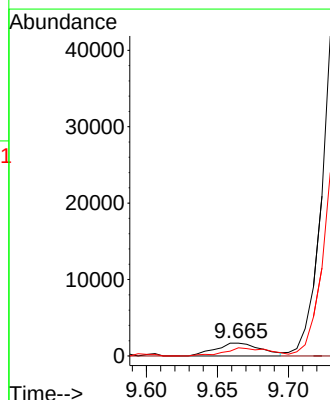
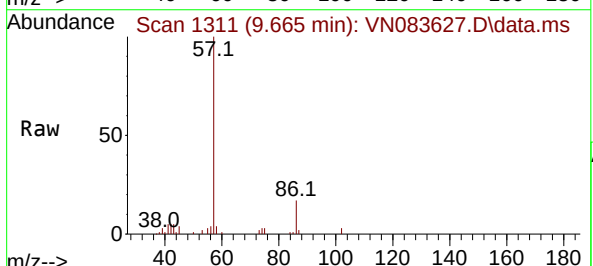
Tgt Ion: 41 Resp: 3734

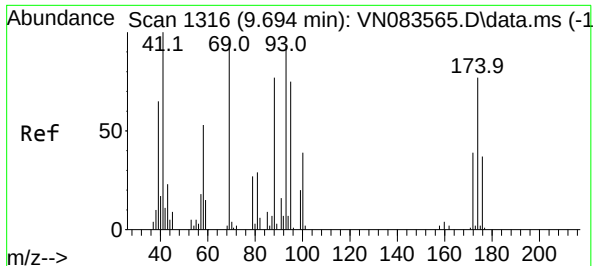
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

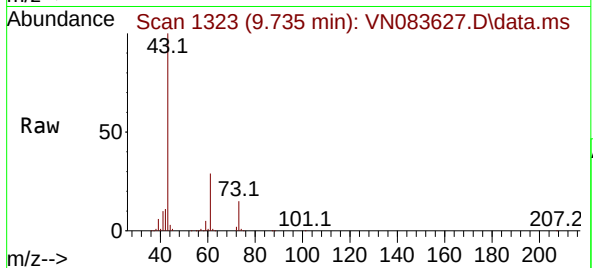
39 62.7 48.9 73.3



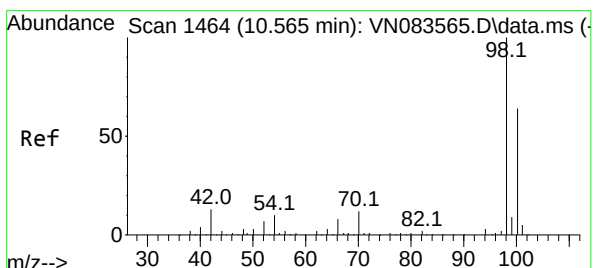
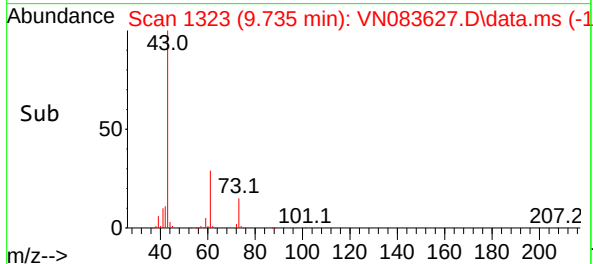
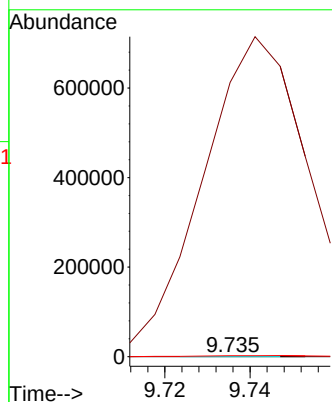


#49
1,4-Dioxane
Concen: 1.679 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

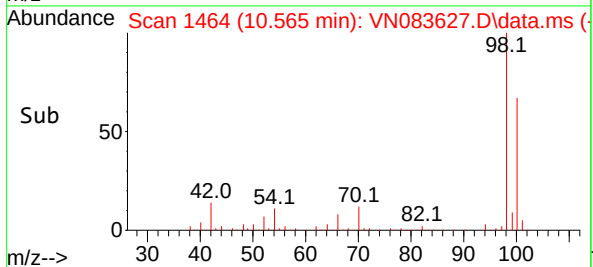
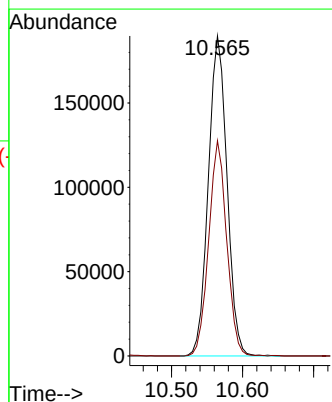
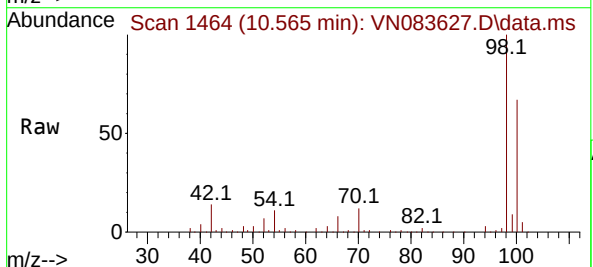


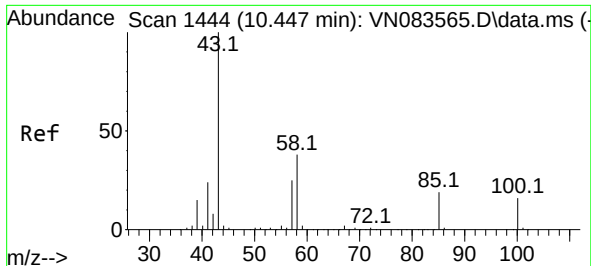
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 2408507.5 0.0 0.0#
58 8958.5 57.1 85.7#



#50
Toluene-d8
Concen: 57.270 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Tgt Ion: 98 Resp: 346506
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 5.005 ug/l

RT: 10.447 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

Instrument :

MSVOA_N

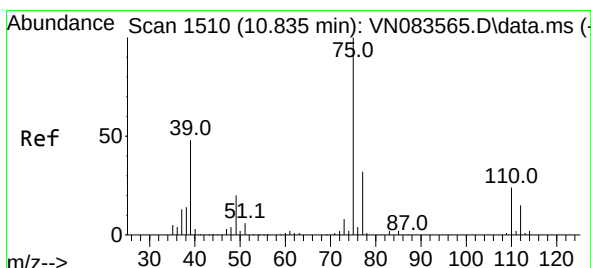
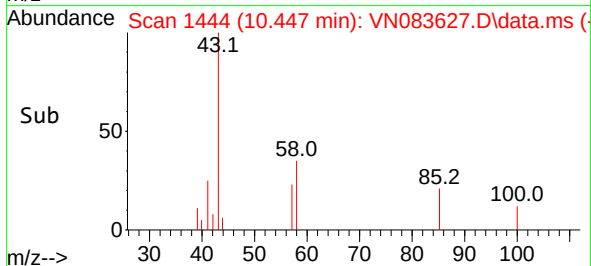
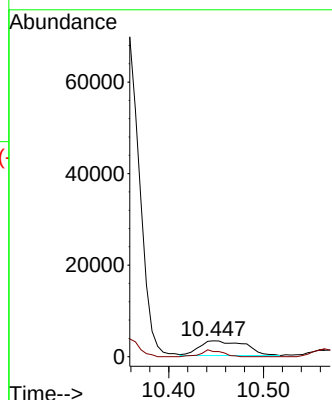
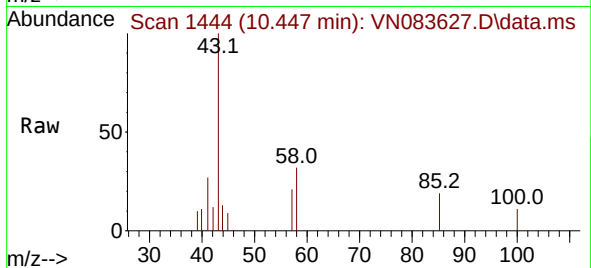
ClientSampleId :

Tgt Ion: 43 Resp: 10930

Ion Ratio Lower Upper

43 100

58 20.9 31.6 47.4#



#53

t-1,3-Dichloropropene

Concen: 0.306 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.100 min

Lab File: VN083627.D

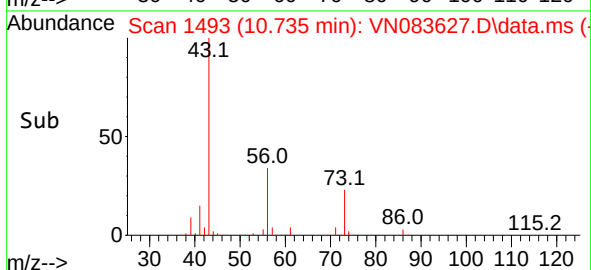
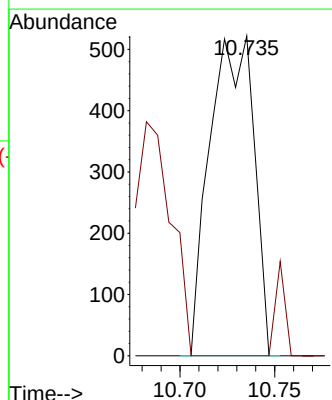
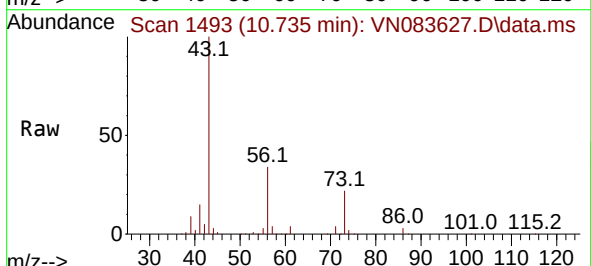
Acq: 03 Sep 2024 16:21

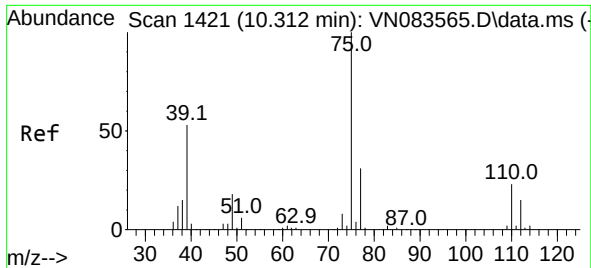
Tgt Ion: 75 Resp: 842

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

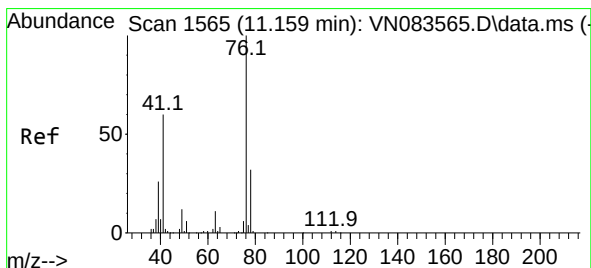
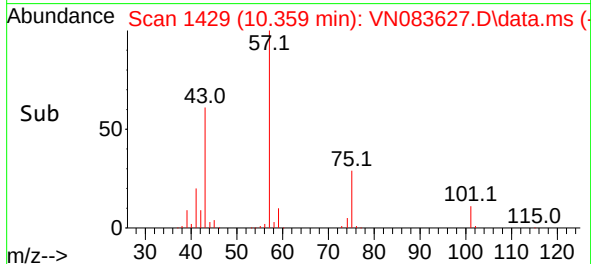
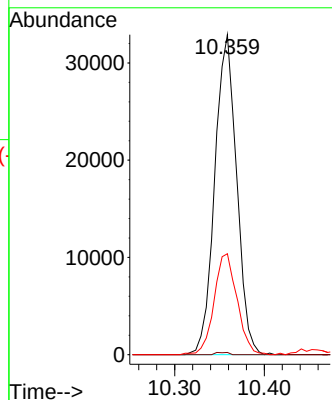
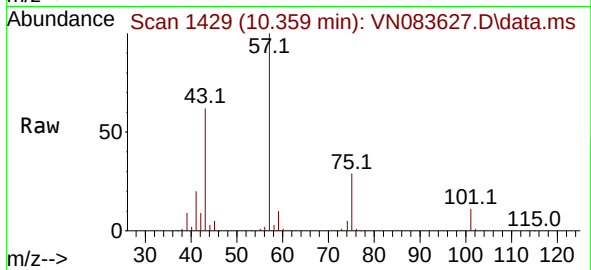




#54
 cis-1,3-Dichloropropene
 Concen: 19.286 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083627.D
 Acq: 03 Sep 2024 16:21

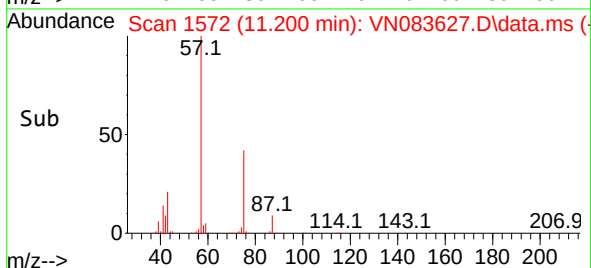
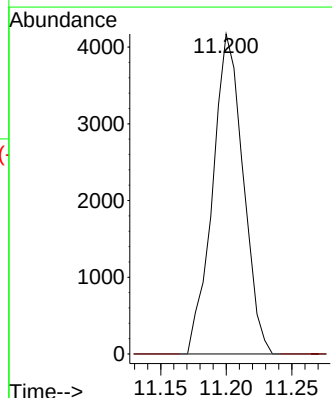
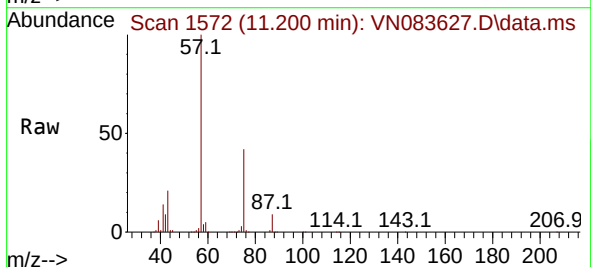
Instrument :
 MSVOA_N
 ClientSampleId :

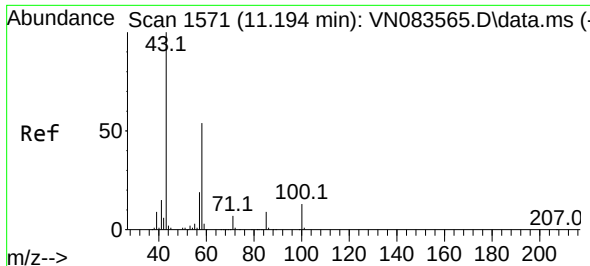
Tgt Ion: 75 Resp: 55662
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 31.5 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 2.354 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN083627.D
 Acq: 03 Sep 2024 16:21

Tgt Ion: 76 Resp: 6754
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

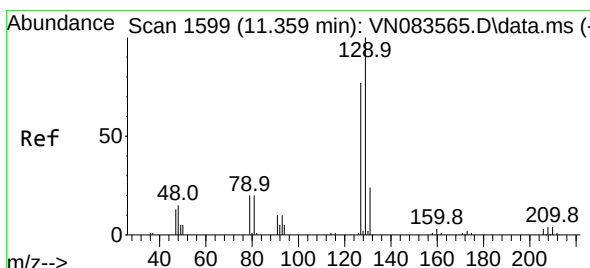
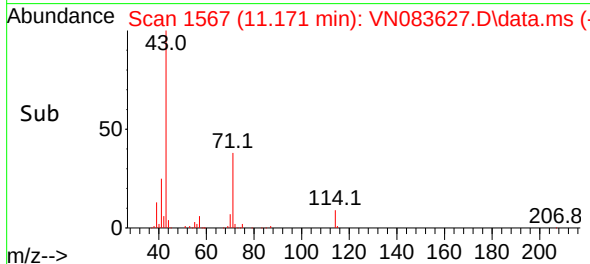
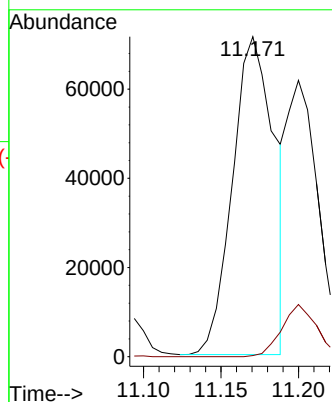
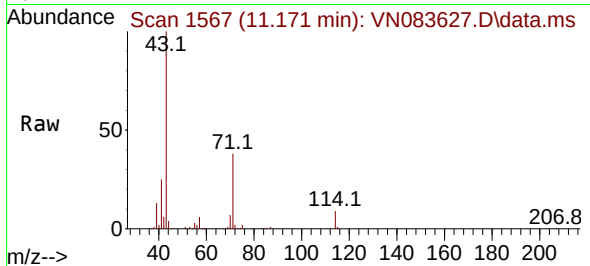




#59
2-Hexanone
Concen: 81.620 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

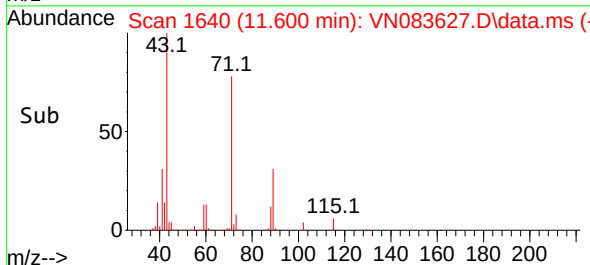
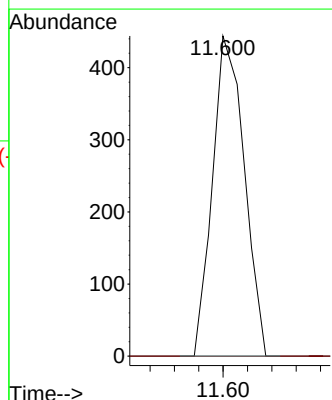
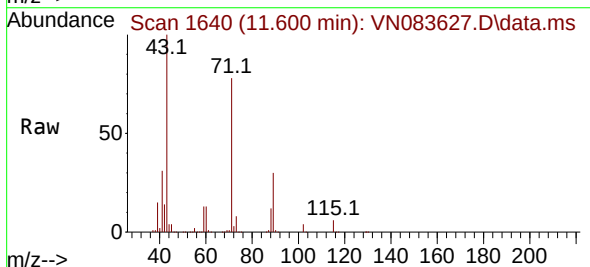
Instrument :
MSVOA_N
ClientSampleId :

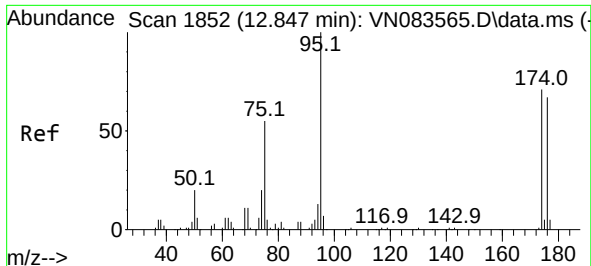
Tgt Ion: 43 Resp: 133765
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#60
Dibromochloromethane
Concen: 0.214 ug/l
RT: 11.600 min Scan# 1640
Delta R.T. 0.241 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Tgt Ion:129 Resp: 402
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

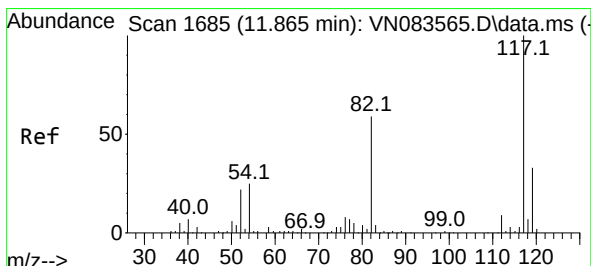
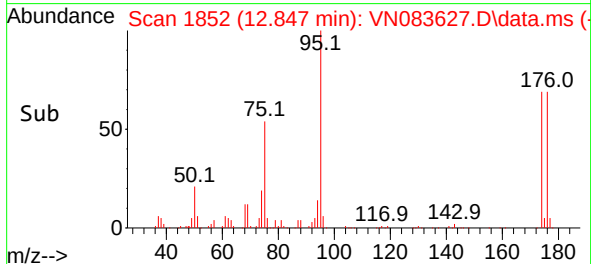
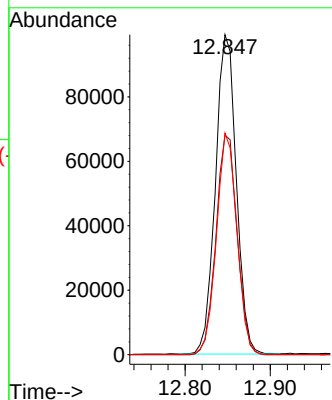
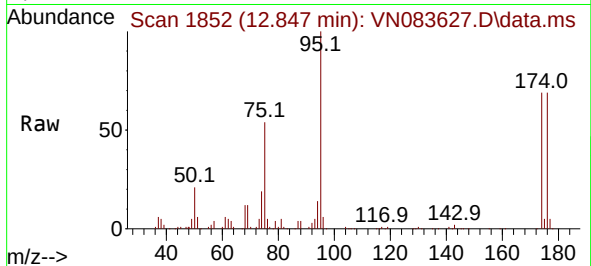




#62
4-Bromofluorobenzene
Concen: 75.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

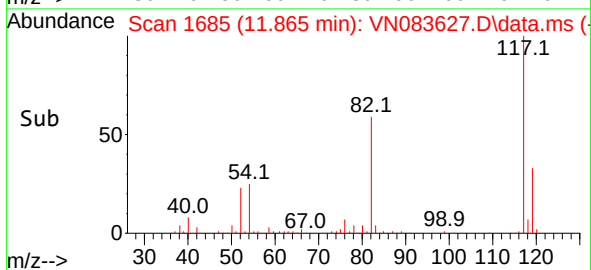
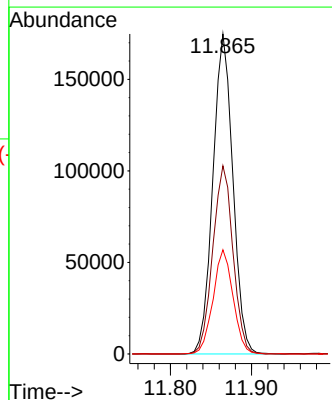
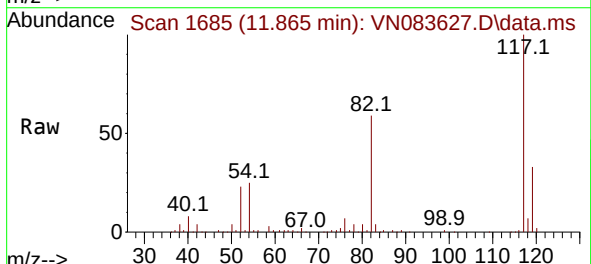
Instrument :
MSVOA_N
ClientSampleId :

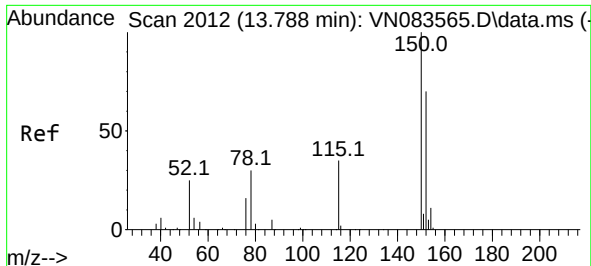
Tgt Ion: 95 Resp: 168972
Ion Ratio Lower Upper
95 100
174 69.7 0.0 139.8
176 67.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

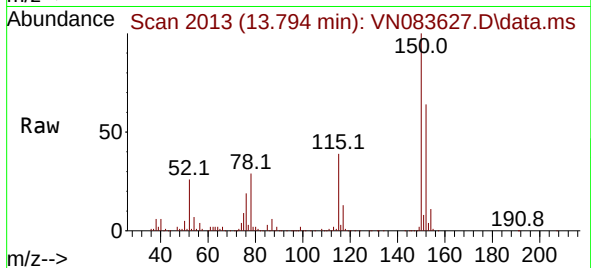
Tgt Ion: 117 Resp: 298798
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.0
119 32.6 26.3 39.5



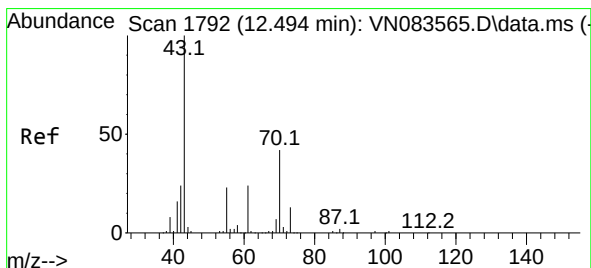
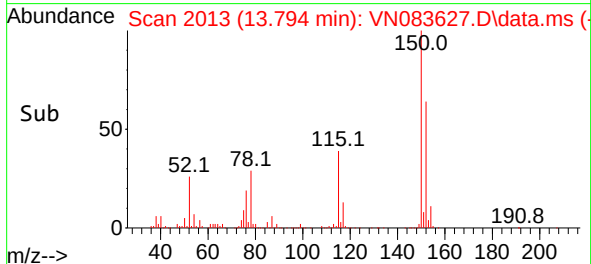
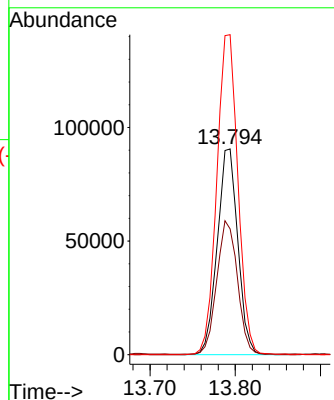


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

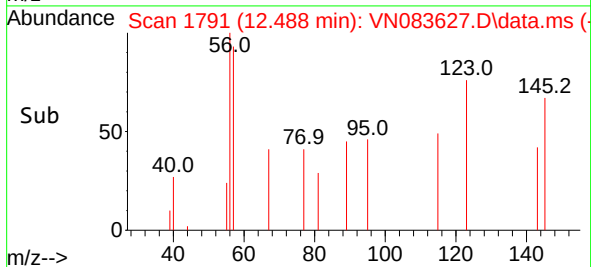
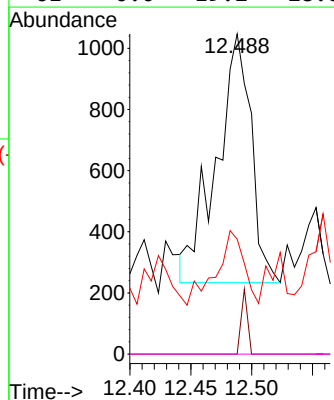
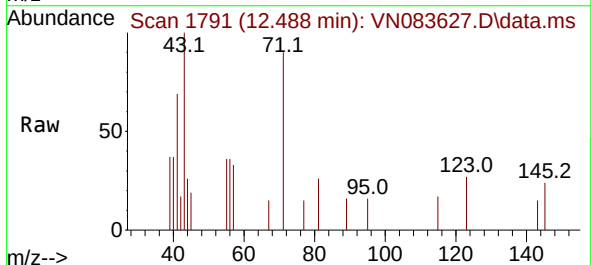


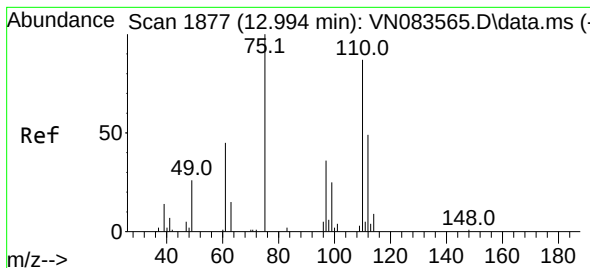
Tgt Ion:152 Resp: 152108
Ion Ratio Lower Upper
152 100
115 64.9 32.2 96.6
150 159.4 0.0 348.6



#74
N-ethyl acetate
Concen: 0.301 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Tgt Ion: 43 Resp: 1610
Ion Ratio Lower Upper
43 100
70 4.7 34.5 51.7#
55 59.0 18.6 28.0#
61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 29.981 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

Instrument :

MSVOA_N

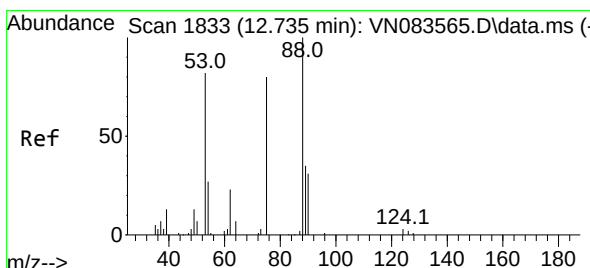
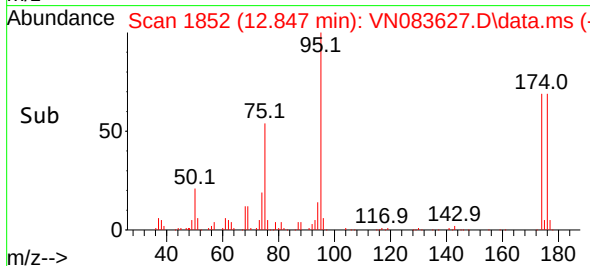
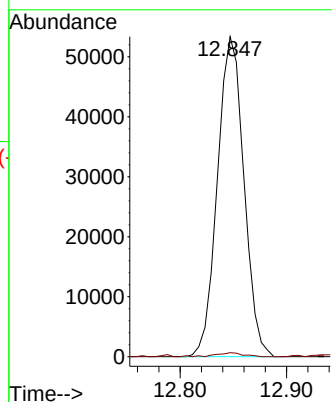
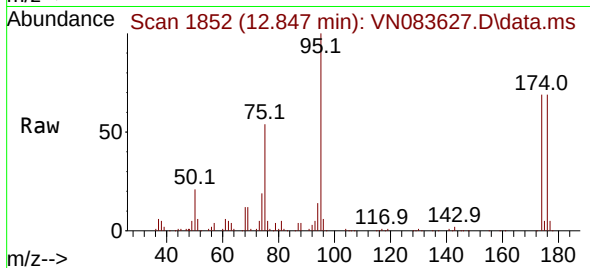
ClientSampleId :

Tgt Ion: 75 Resp: 92073

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.713 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083627.D

Acq: 03 Sep 2024 16:21

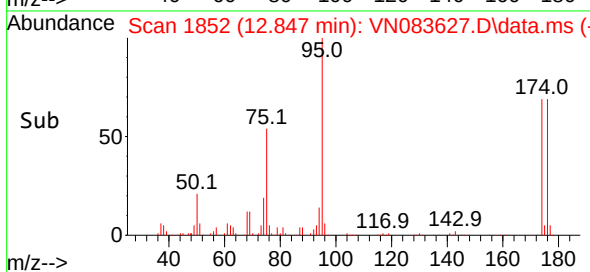
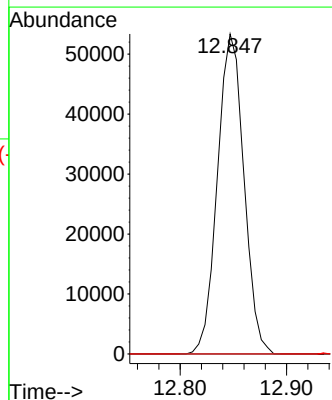
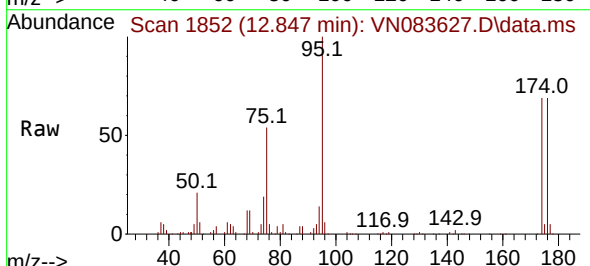
Tgt Ion: 75 Resp: 92073

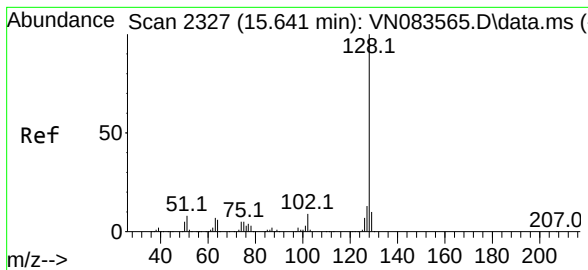
Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

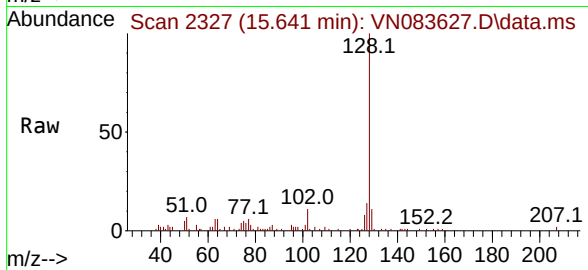
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 4.322 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN083627.D
Acq: 03 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	42516
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.2
129	11.5	8.7	13.1

