

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083357.D
 Acq On : 16 Aug 2024 16:27
 Operator : JC\MD
 Sample : PB162767ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB162767ZHE#01

Quant Time: Aug 17 01:48:20 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

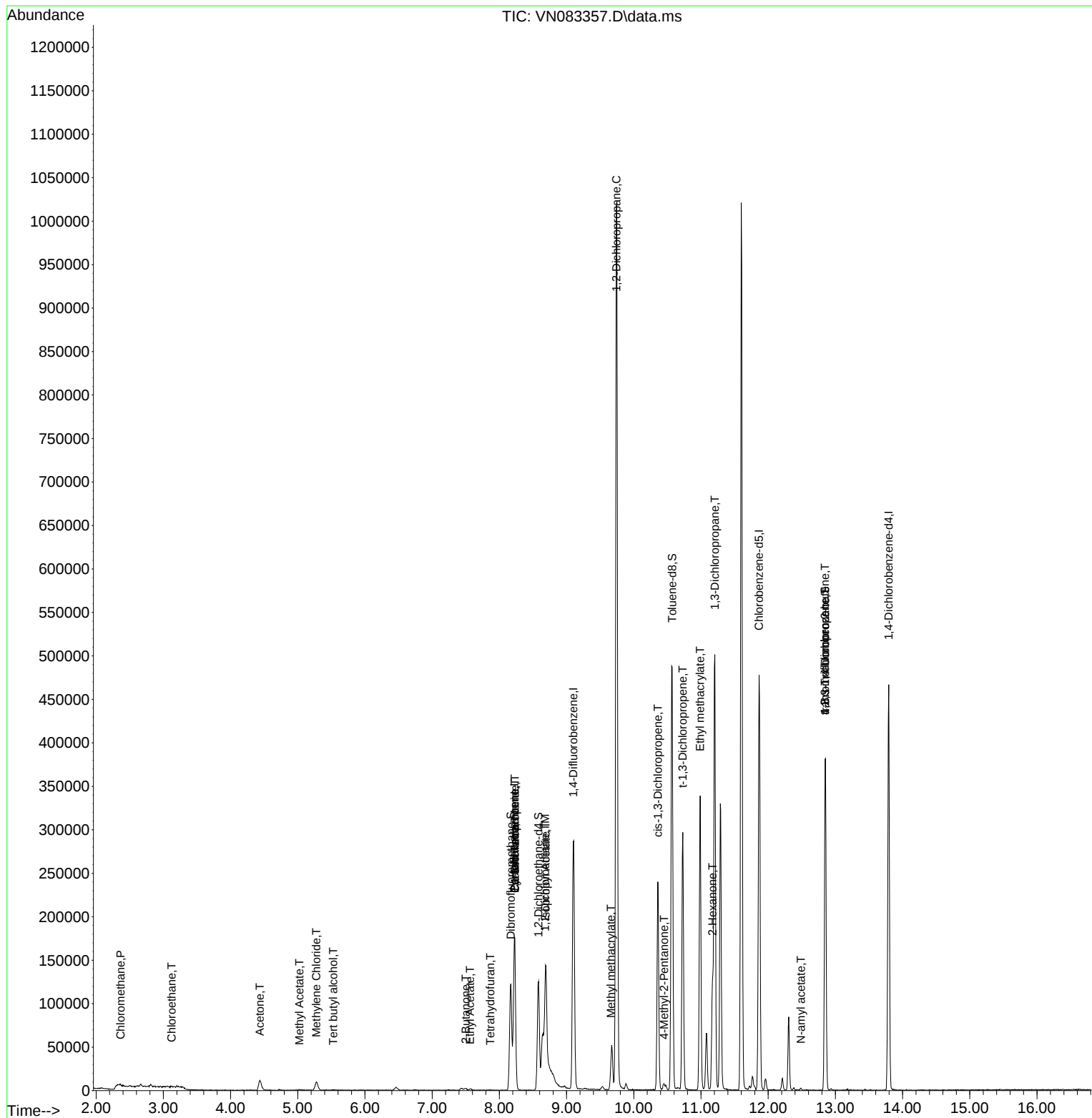
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	122332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	244027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	109807	63.062	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 126.120%#		
35) Dibromofluoromethane	8.171	113	87421	57.394	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 114.780%		
50) Toluene-d8	10.571	98	334011	58.786	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 117.580%#		
62) 4-Bromofluorobenzene	12.847	95	137168	61.925	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 123.840%#		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	517	0.364	ug/l #	43
6) Chloroethane	3.124	64	685	0.755	ug/l #	41
11) Tert butyl alcohol	5.530	59	229	0.633	ug/l #	71
16) Acetone	4.436	43	22704	33.322	ug/l	98
18) Methyl Acetate	5.024	43	992	0.489	ug/l #	74
20) Methylene Chloride	5.277	84	6981	4.452	ug/l #	83
25) 2-Butanone	7.500	43	4324	4.133	ug/l	98
29) Tetrahydrofuran	7.865	42	387	0.572	ug/l #	51
31) Cyclohexane	8.230	56	3207	1.243	ug/l #	25
36) 1,1-Dichloropropene	8.230	75	11186	4.855	ug/l #	52
37) Ethyl Acetate	7.565	43	2934	1.137	ug/l #	87
38) Carbon Tetrachloride	8.230	117	13513	5.207	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	814	0.326	ug/l #	78
43) Isopropyl Acetate	8.688	43	276880	62.866	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1218	0.748	ug/l #	44
48) Methyl methacrylate	9.659	41	3251	1.524	ug/l #	54
51) 4-Methyl-2-Pentanone	10.453	43	5014	2.055	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	774	0.288	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	41264	14.423	ug/l #	56
56) Ethyl methacrylate	10.988	69	880	0.300	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5138	1.855	ug/l #	43
59) 2-Hexanone	11.171	43	101135	53.585	ug/l #	28
74) N-amyl acetate	12.488	43	1172	0.245	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	75633	29.470	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75633	64.104	ug/l #	6

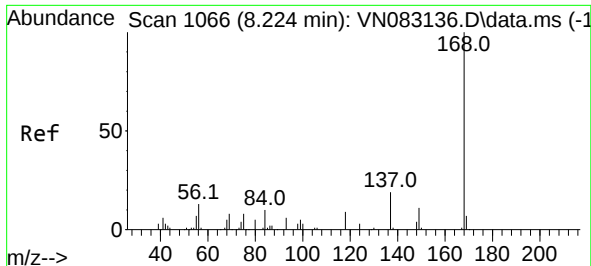
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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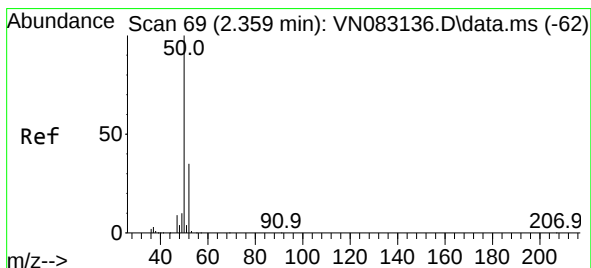
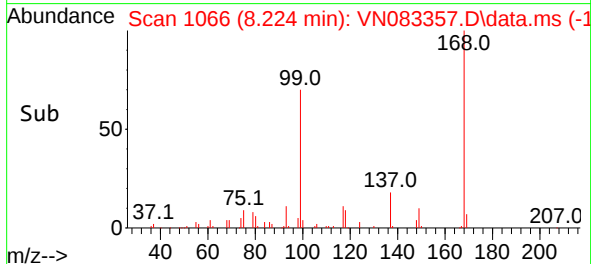
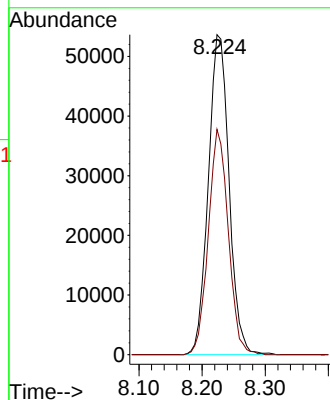
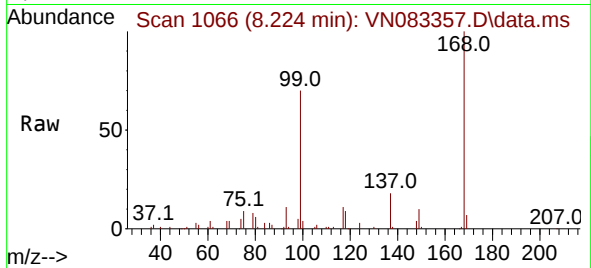




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

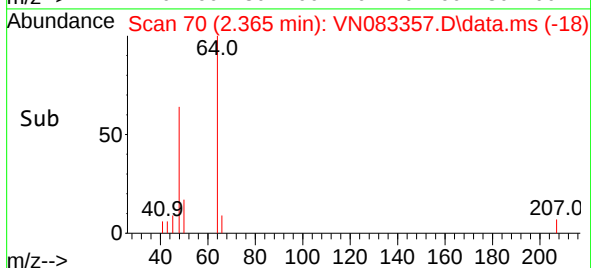
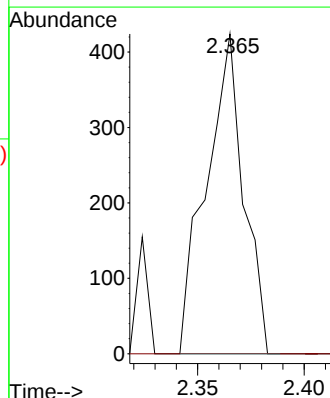
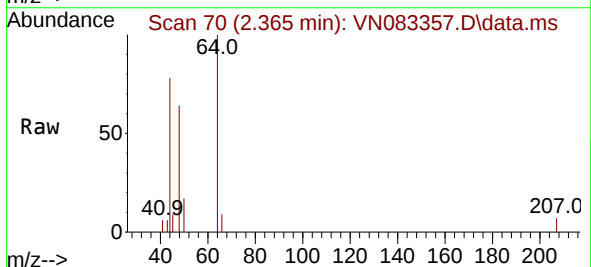
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

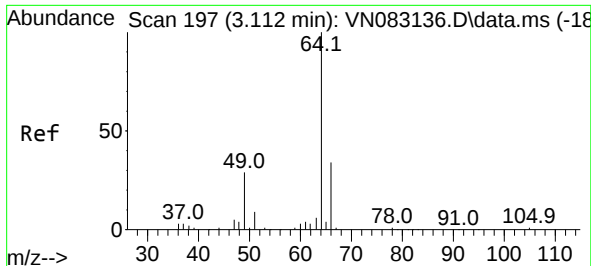
Tgt Ion:168 Resp: 122332
Ion Ratio Lower Upper
168 100
99 70.4 48.2 72.4



#3
Chloromethane
Concen: 0.364 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

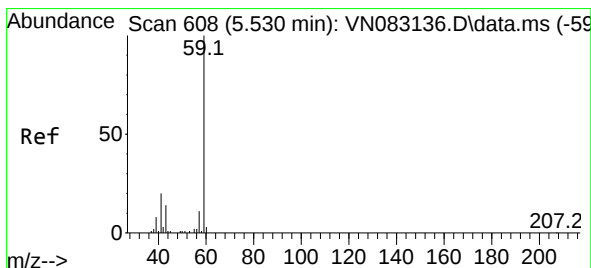
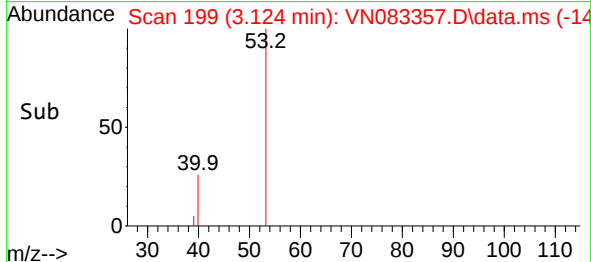
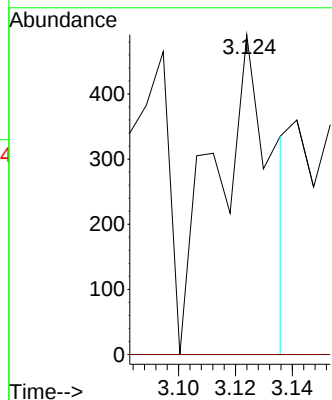
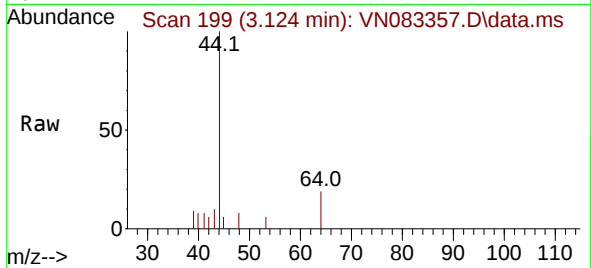




#6
Chloroethane
Concen: 0.755 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

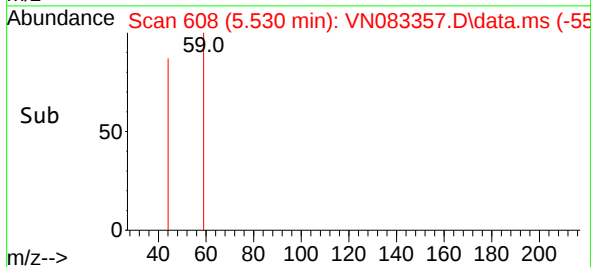
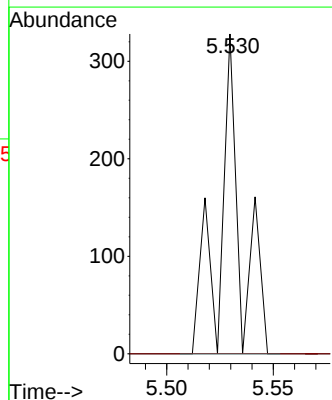
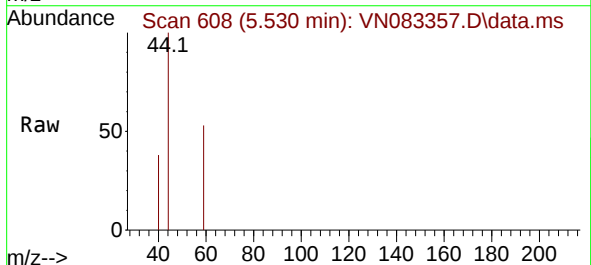
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

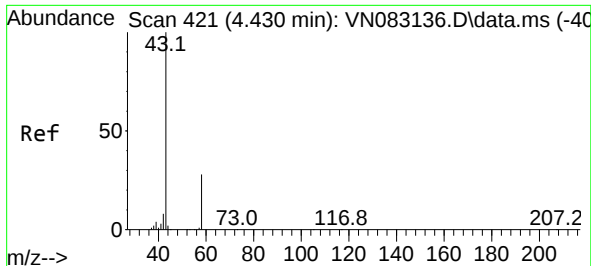
Tgt Ion: 64 Resp: 685
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 0.633 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

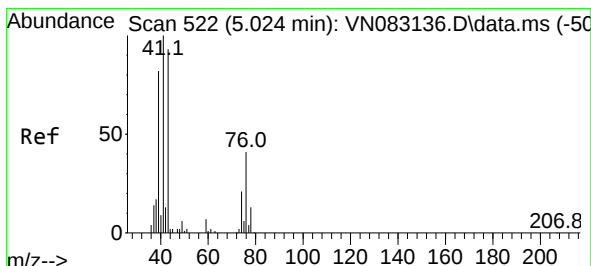
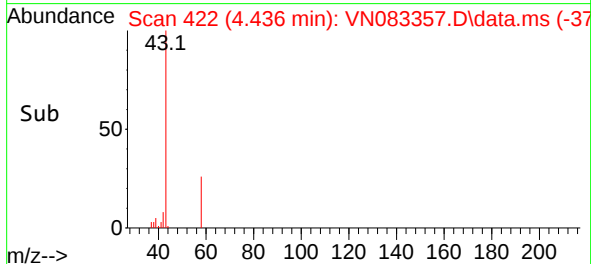
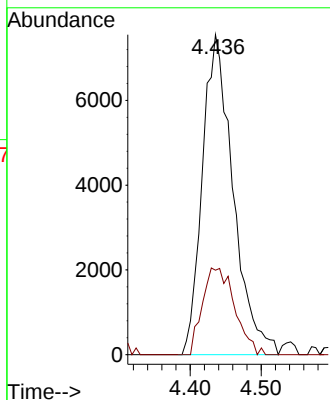
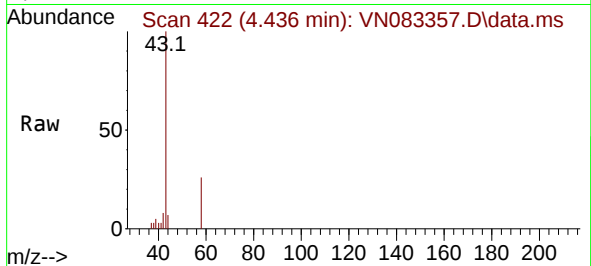




#16
Acetone
Concen: 33.322 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

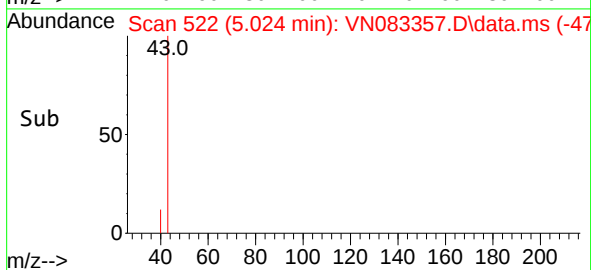
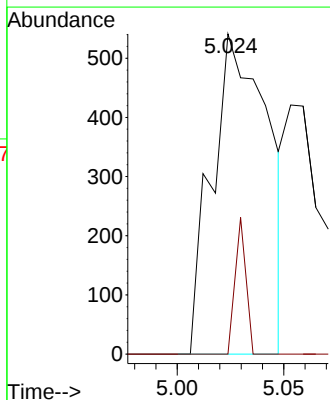
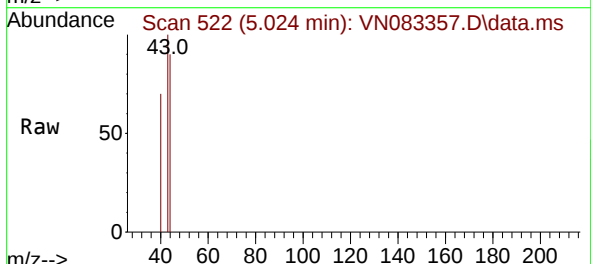
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

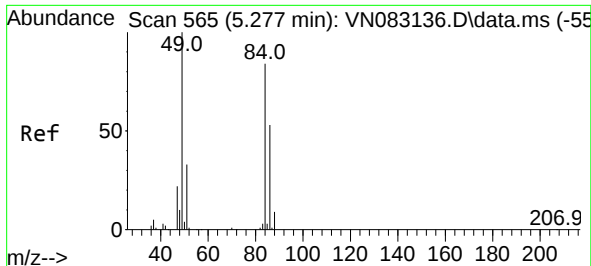
Tgt Ion: 43 Resp: 22704
Ion Ratio Lower Upper
43 100
58 26.4 21.8 32.6



#18
Methyl Acetate
Concen: 0.489 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
74 8.3 16.3 24.5#

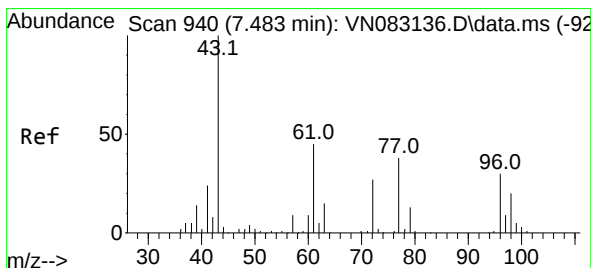
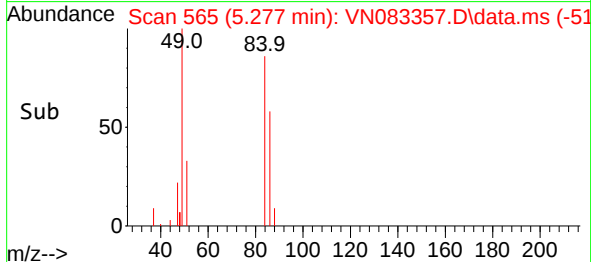
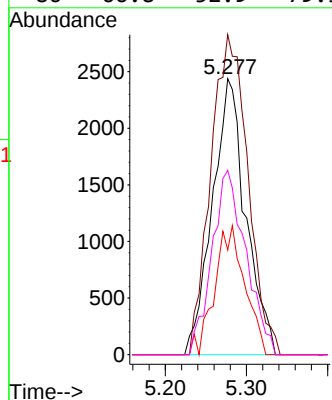
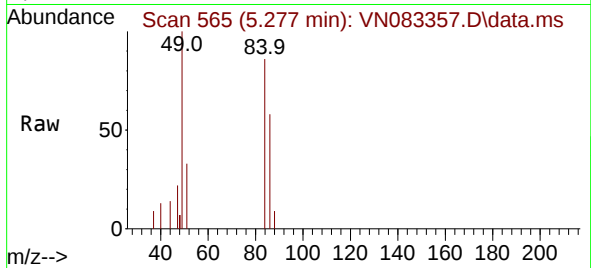




#20
Methylene Chloride
Concen: 4.452 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

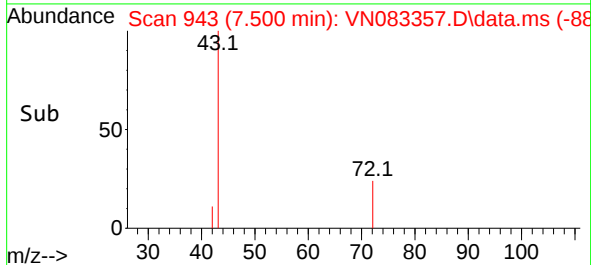
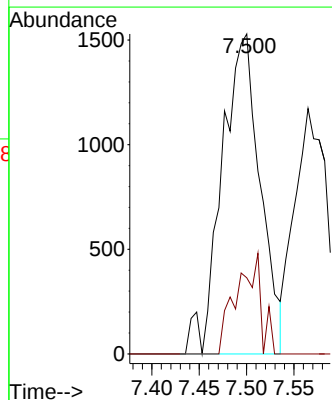
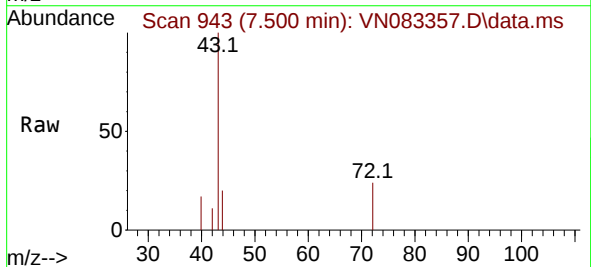
Instrument :
MSVOA_N
ClientSampleId :
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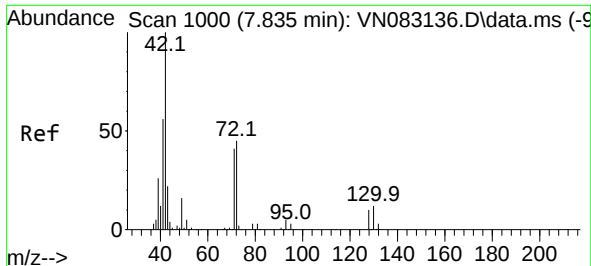
Tgt Ion:	84	Resp:	6981
Ion	Ratio	Lower	Upper
84	100		
49	116.0	119.6	179.4#
51	37.9	34.8	52.2
86	66.8	52.9	79.3



#25
2-Butanone
Concen: 4.133 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion:	43	Resp:	4324
Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.572 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.029 min

Lab File: VN083357.D

Acq: 16 Aug 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

PB162767ZHE#01

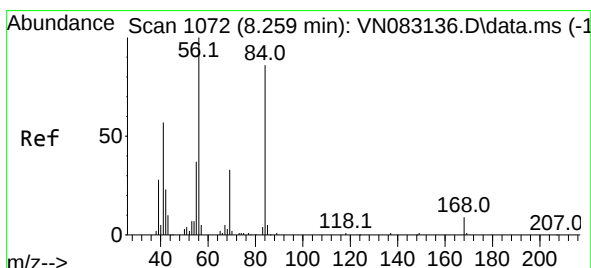
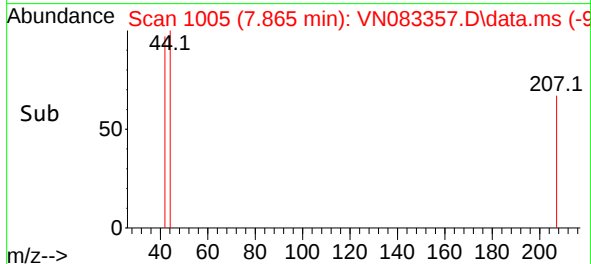
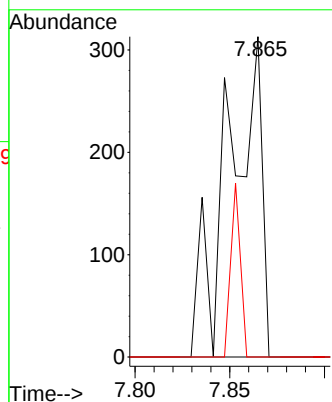
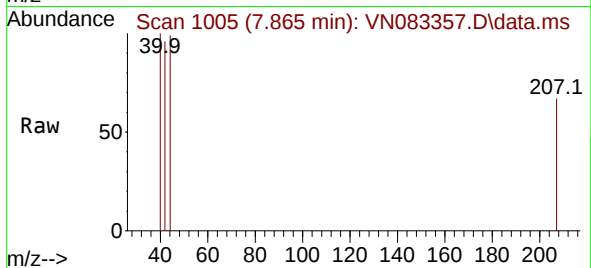
Tgt Ion: 42 Resp: 387

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 15.5 28.3 42.5#



#31

Cyclohexane

Concen: 1.243 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN083357.D

Acq: 16 Aug 2024 16:27

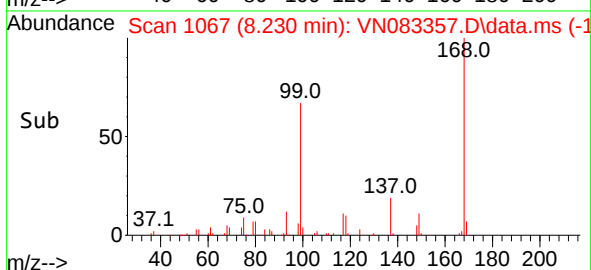
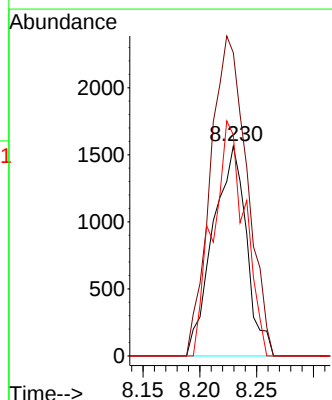
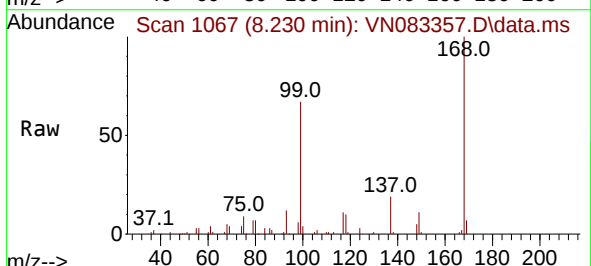
Tgt Ion: 56 Resp: 3207

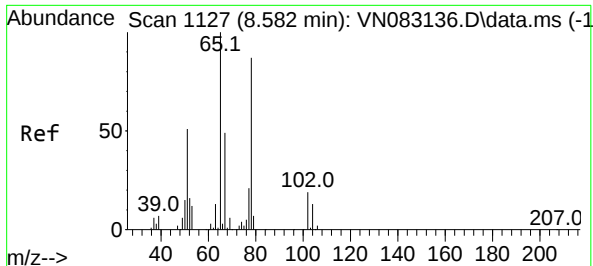
Ion Ratio Lower Upper

56 100

69 144.5 24.5 36.7#

84 105.4 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 63.062 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083357.D

Acq: 16 Aug 2024 16:27

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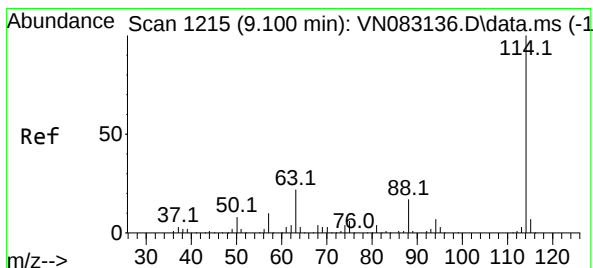
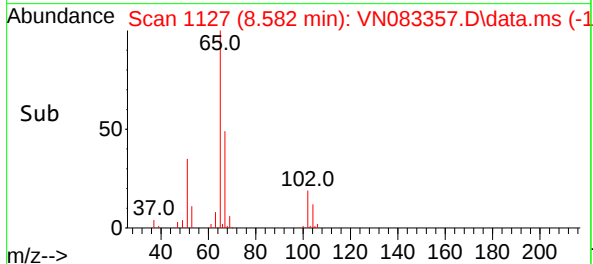
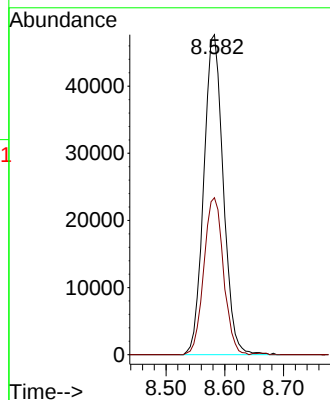
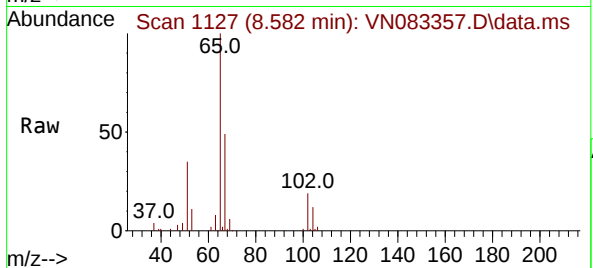
PB162767ZHE#01

Tgt Ion: 65 Resp: 109807

Ion Ratio Lower Upper

65 100

67 49.3 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: VN083357.D

Acq: 16 Aug 2024 16:27

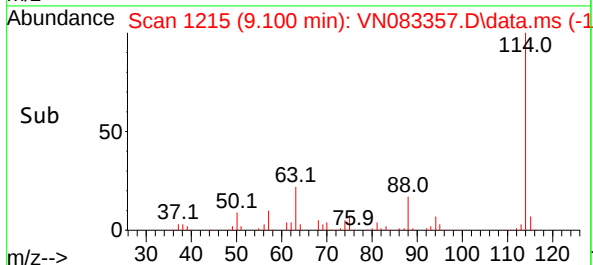
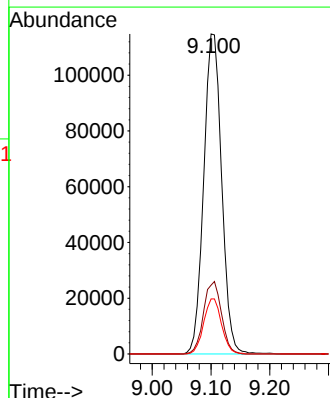
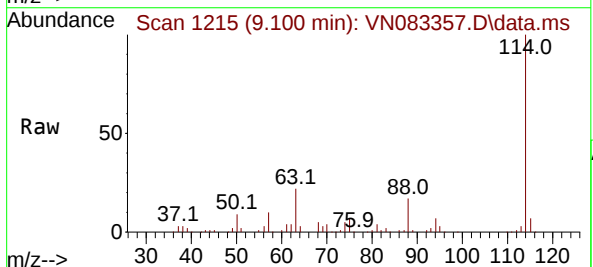
Tgt Ion: 114 Resp: 244027

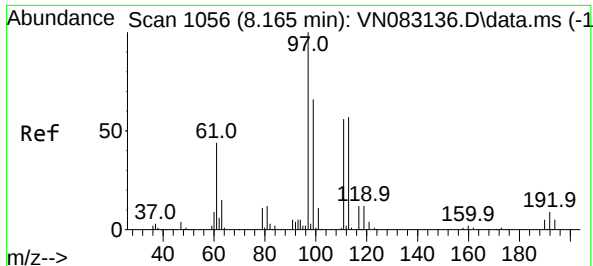
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

88 17.2 0.0 31.4

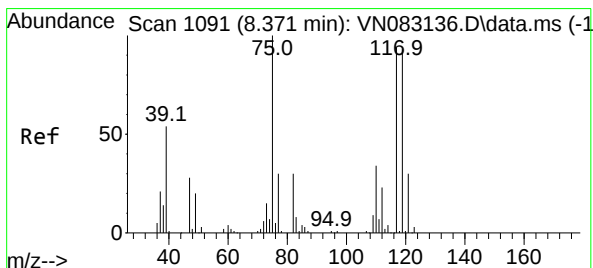
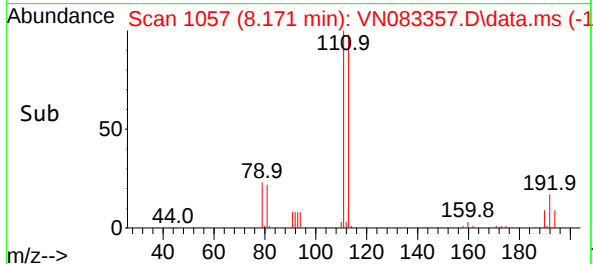
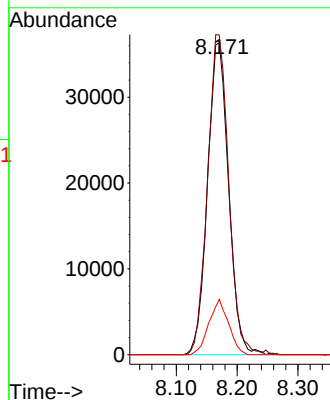
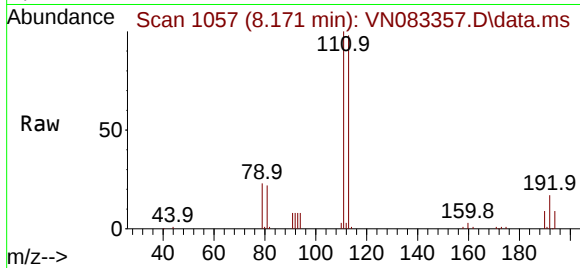




#35
Dibromofluoromethane
Concen: 57.394 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

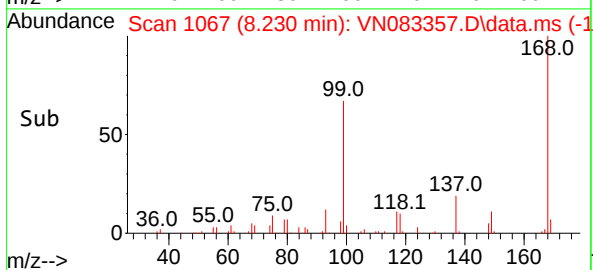
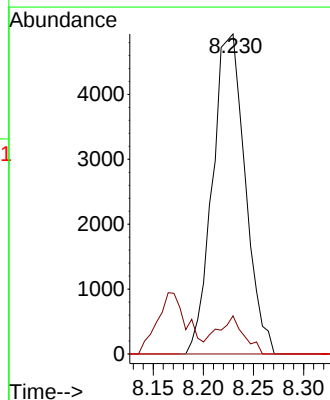
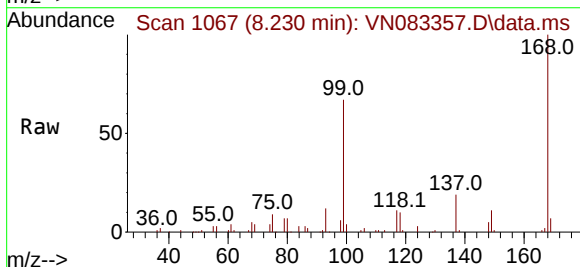
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PB162767ZHE#01

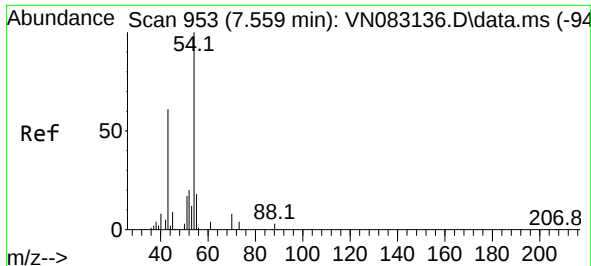
Tgt Ion:113 Resp: 87421
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 16.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 75 Resp: 11186
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.6 37.0#

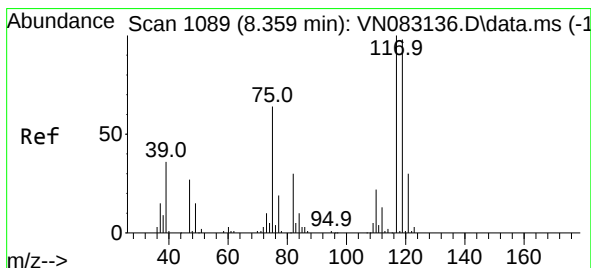
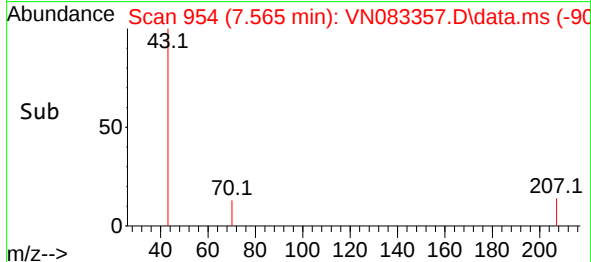
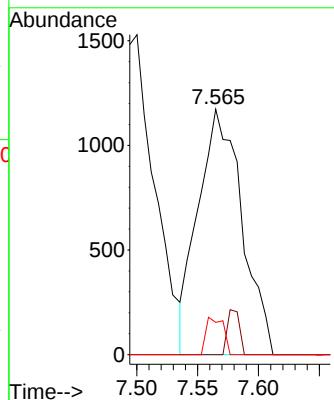
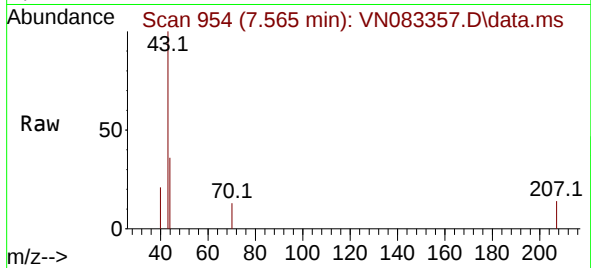




#37
Ethyl Acetate
Concen: 1.137 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

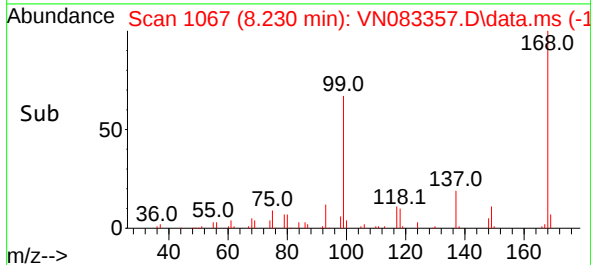
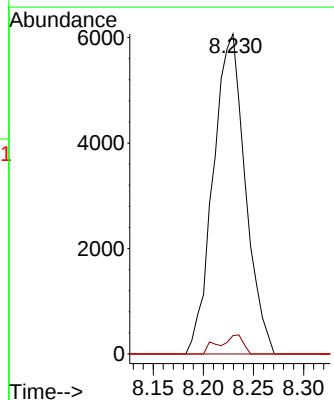
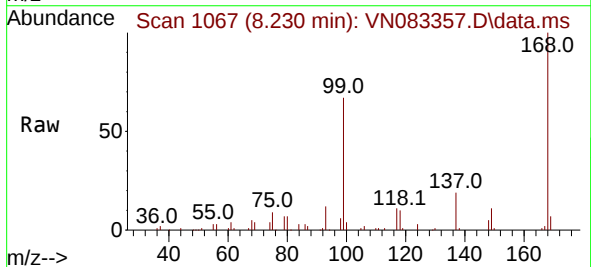
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MSVOA_N
ClientSampleId :
PB162767ZHE#01

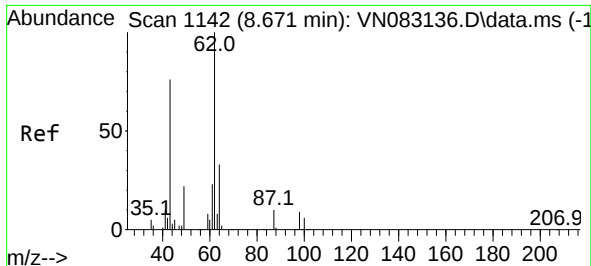
Tgt Ion: 43 Resp: 2934
Ion Ratio Lower Upper
43 100
61 5.0 9.3 13.9#
70 6.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 117 Resp: 13513
Ion Ratio Lower Upper
117 100
119 5.8 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.326 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083357.D

Acq: 16 Aug 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

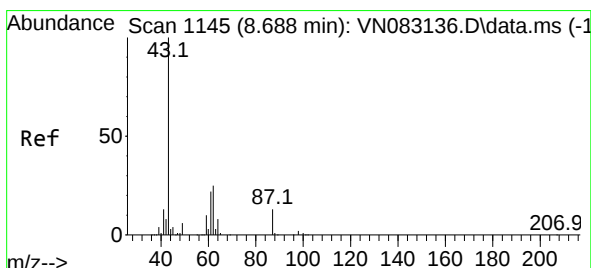
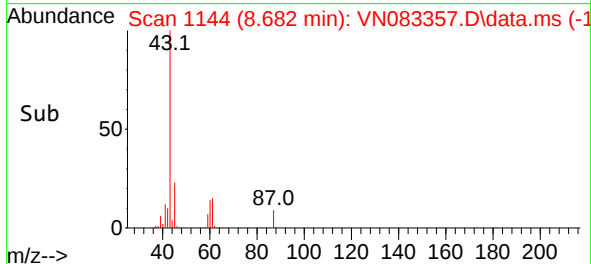
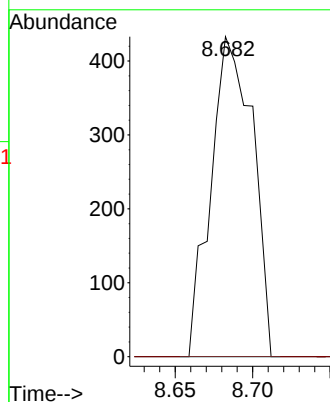
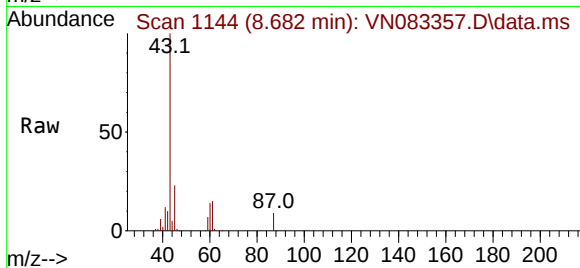
PB162767ZHE#01

Tgt Ion: 62 Resp: 814

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 62.866 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083357.D

Acq: 16 Aug 2024 16:27

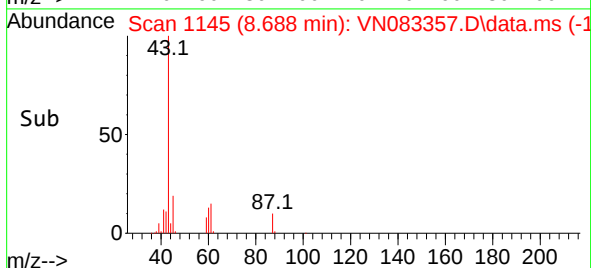
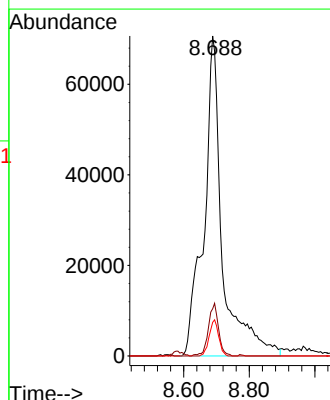
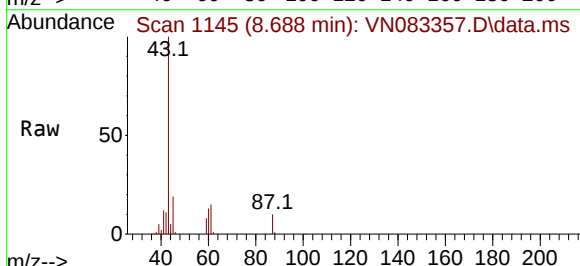
Tgt Ion: 43 Resp: 276880

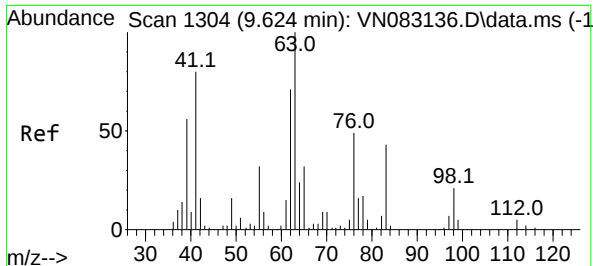
Ion Ratio Lower Upper

43 100

61 9.0 17.8 26.6#

87 5.8 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.748 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083357.D

Acq: 16 Aug 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

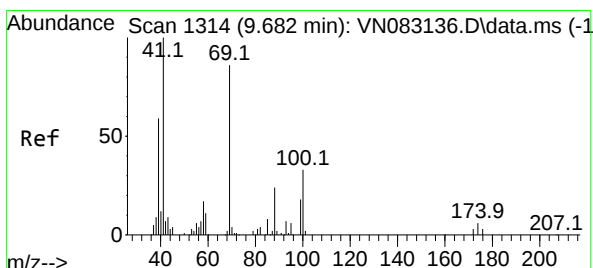
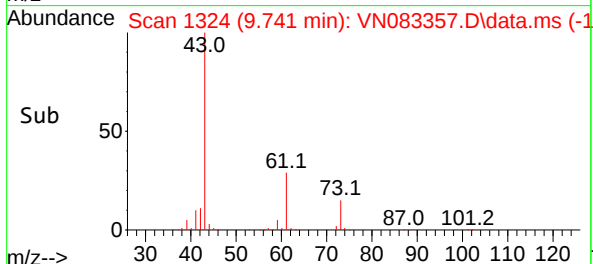
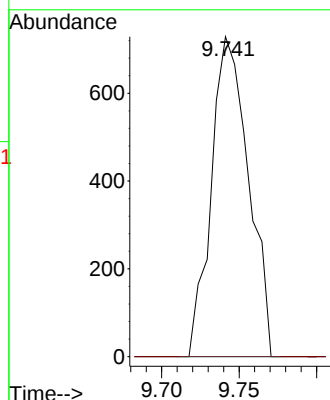
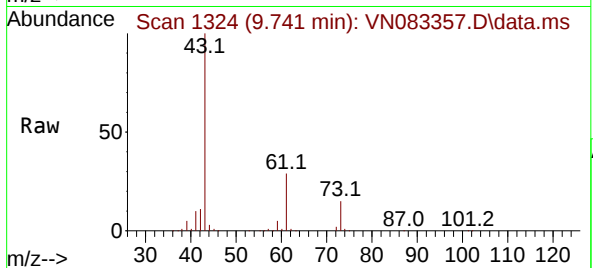
PB162767ZHE#01

Tgt Ion: 63 Resp: 1218

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.524 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.024 min

Lab File: VN083357.D

Acq: 16 Aug 2024 16:27

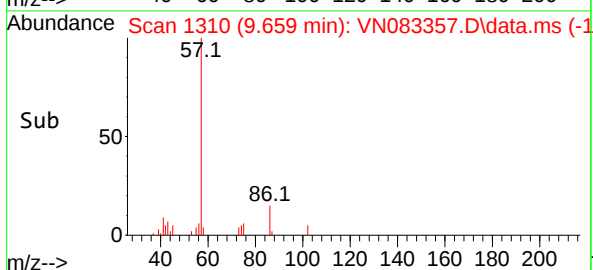
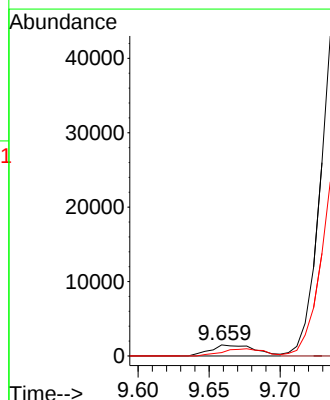
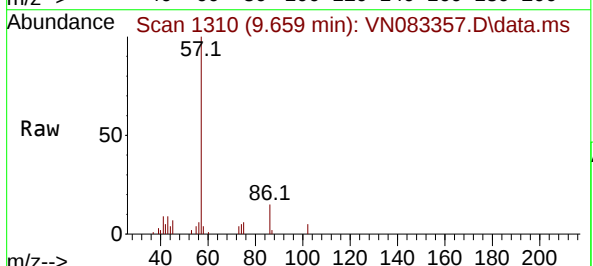
Tgt Ion: 41 Resp: 3251

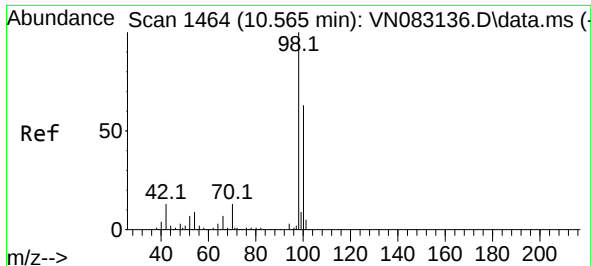
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 61.1 50.3 75.5

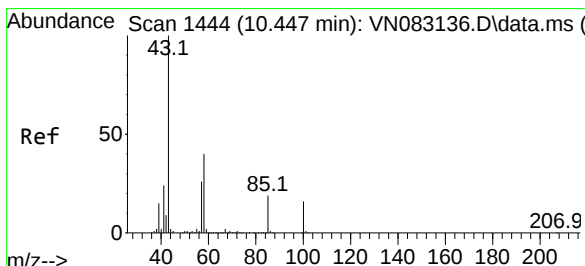
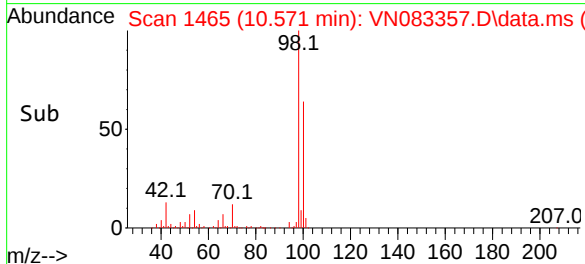
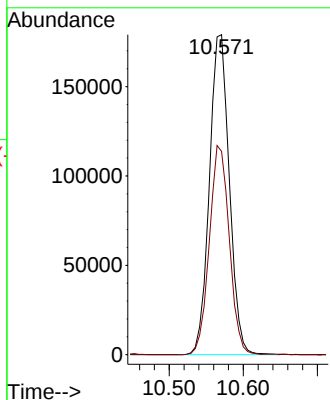
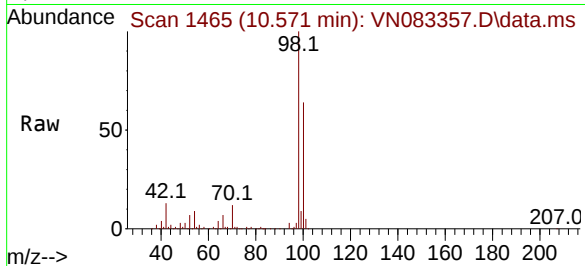




#50
Toluene-d8
Concen: 58.786 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

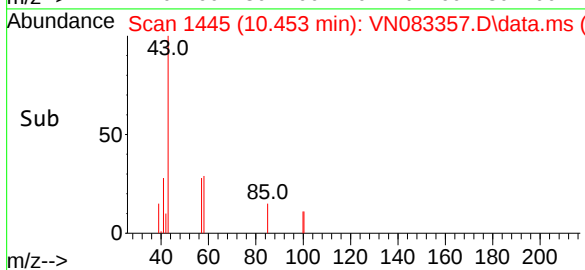
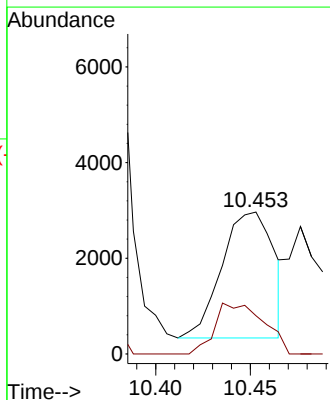
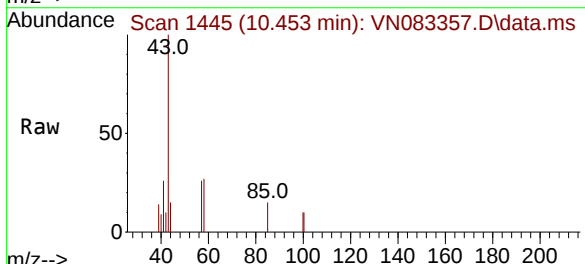
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

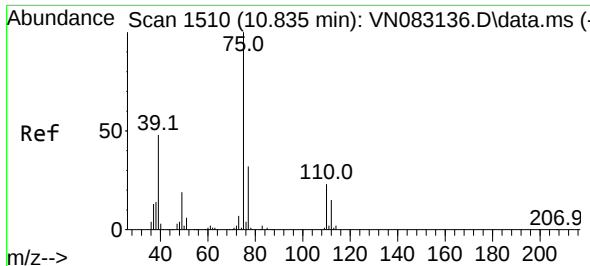
Tgt Ion: 98 Resp: 334011
Ion Ratio Lower Upper
98 100
100 65.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.055 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 43 Resp: 5014
Ion Ratio Lower Upper
43 100
58 38.1 28.2 42.4

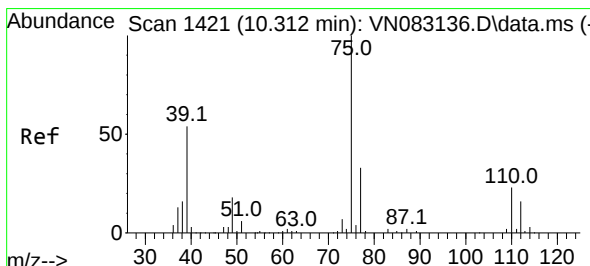
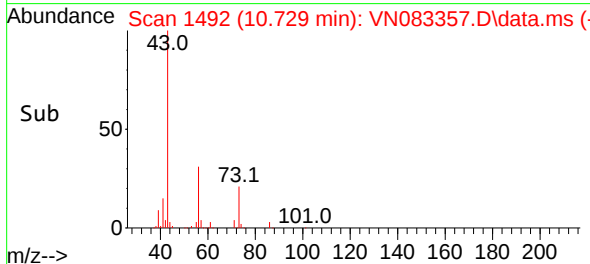
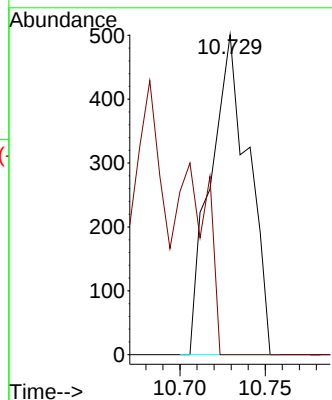
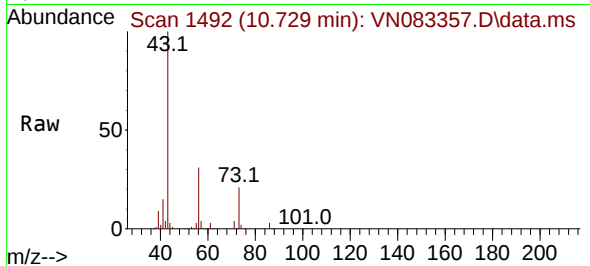




#53
t-1,3-Dichloropropene
Concen: 0.288 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

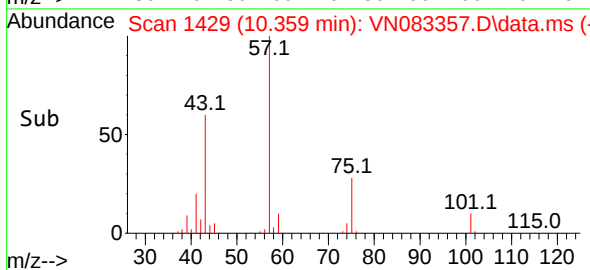
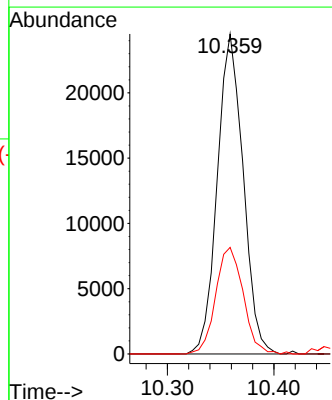
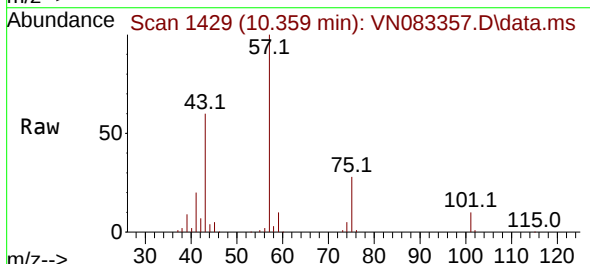
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

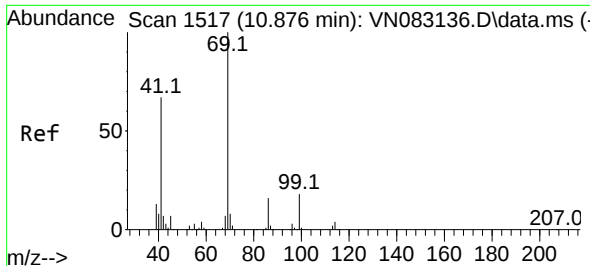
Tgt Ion: 75 Resp: 774
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 14.423 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 75 Resp: 41264
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 33.3 50.5 75.7#

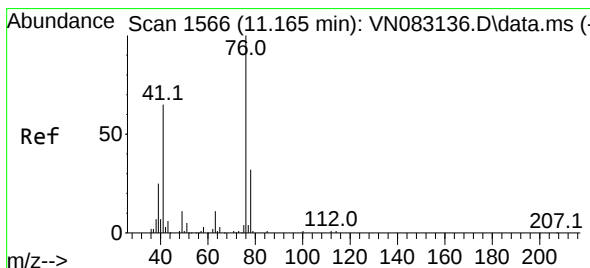
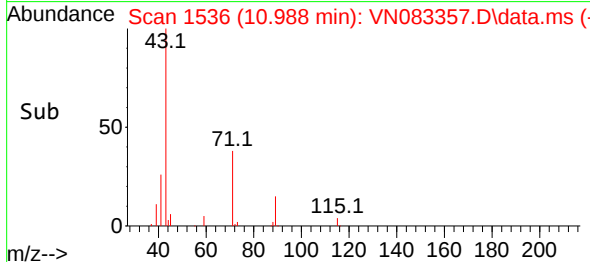
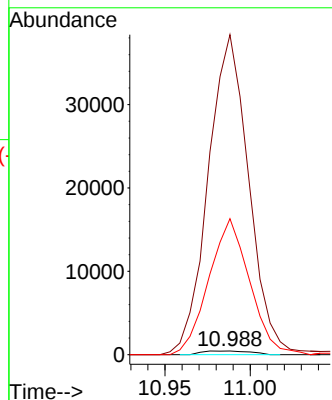
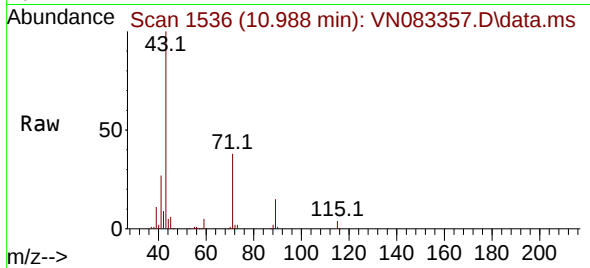




#56
Ethyl methacrylate
Concen: 0.300 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

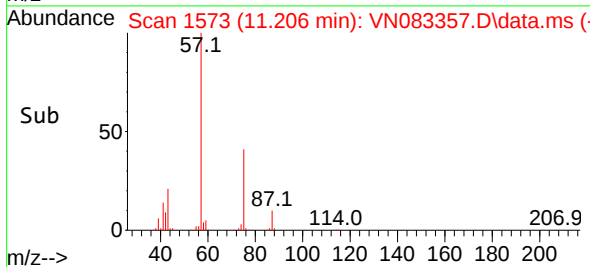
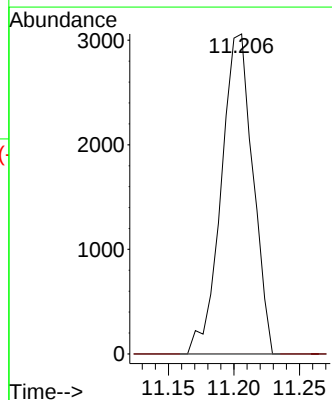
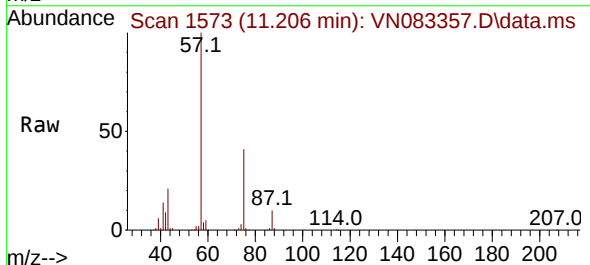
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

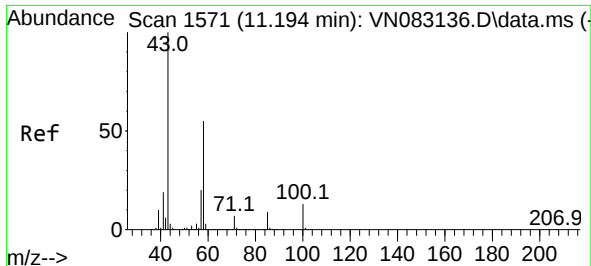
Tgt Ion: 69 Resp: 880
Ion Ratio Lower Upper
69 100
41 7264.0 63.4 95.2#
39 3095.8 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.855 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 76 Resp: 5138
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

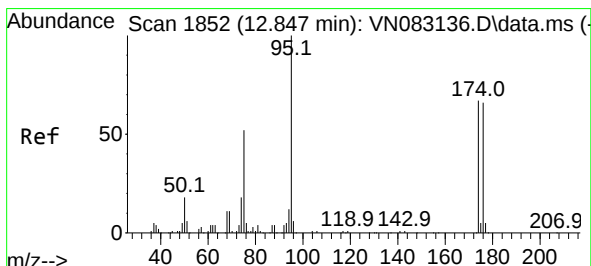
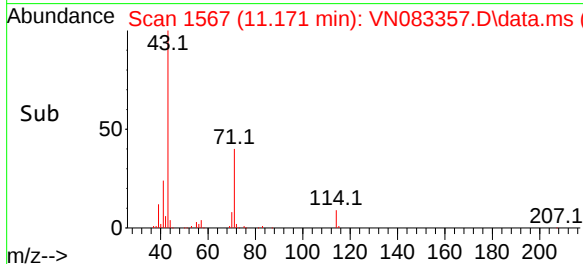
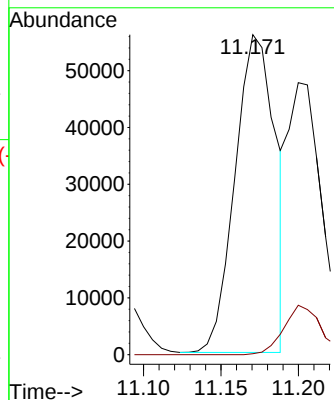
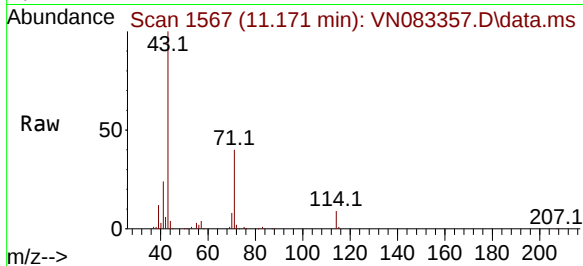




#59
2-Hexanone
Concen: 53.585 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

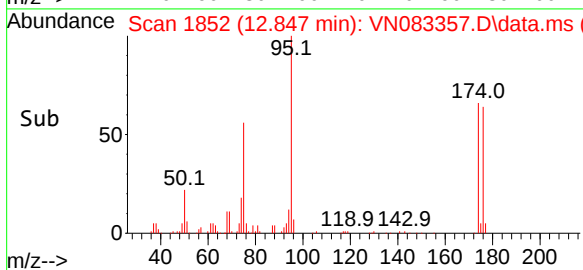
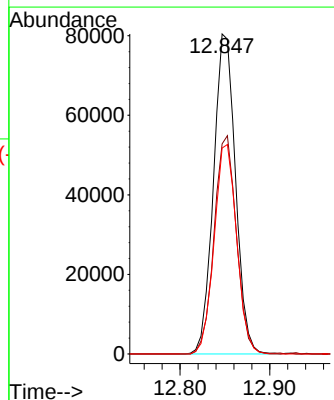
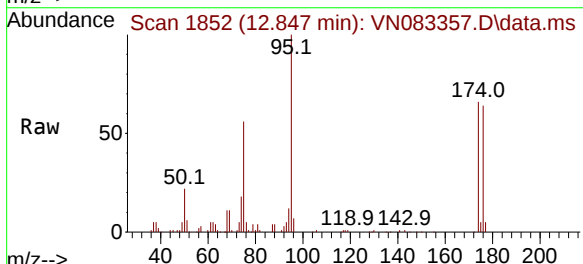
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

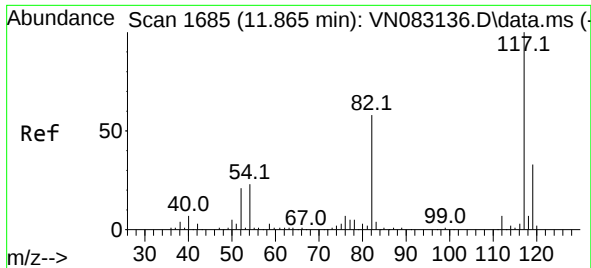
Tgt Ion: 43 Resp: 101135
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 61.925 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion: 95 Resp: 137168
Ion Ratio Lower Upper
95 100
174 68.9 0.0 159.2
176 66.8 0.0 147.6

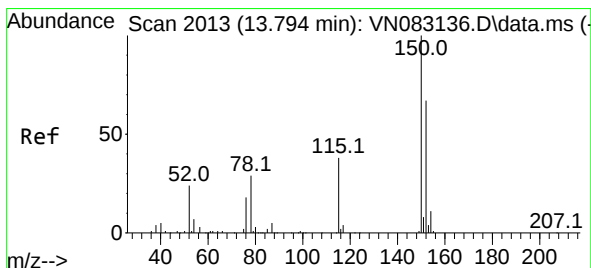
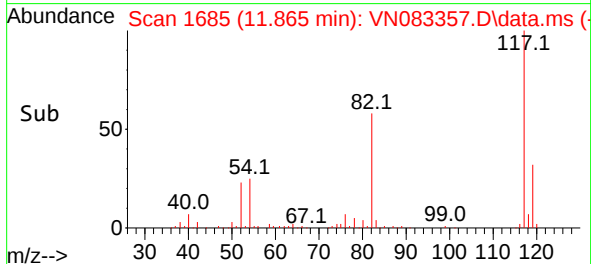
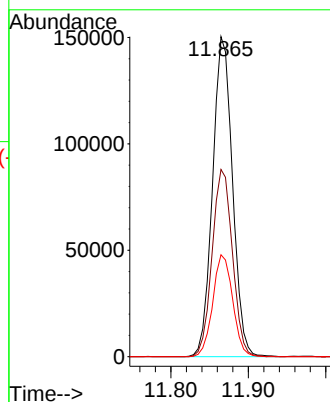
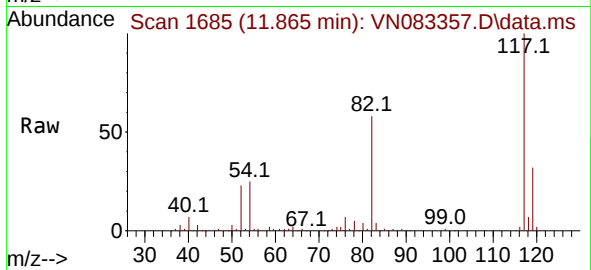




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

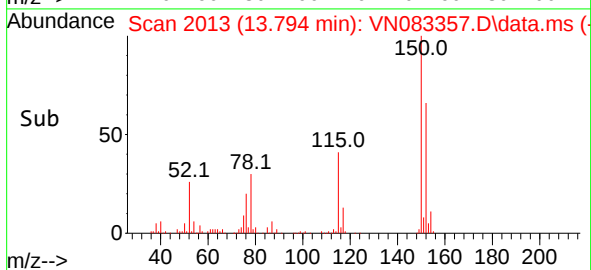
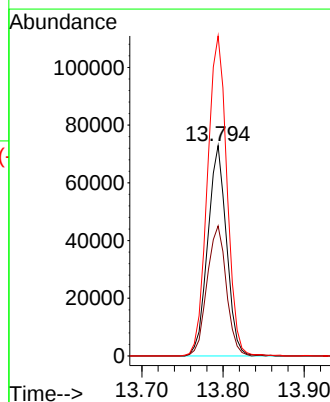
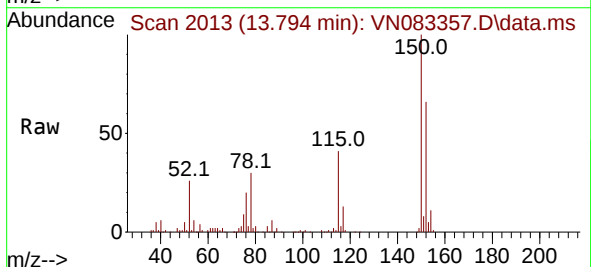
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

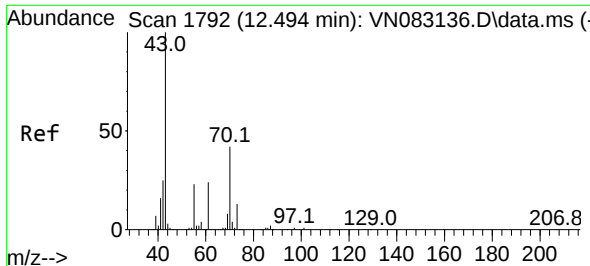
Tgt Ion:117 Resp: 268563
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

Tgt Ion:152 Resp: 116936
Ion Ratio Lower Upper
152 100
115 63.5 30.6 91.6
150 158.4 0.0 348.6

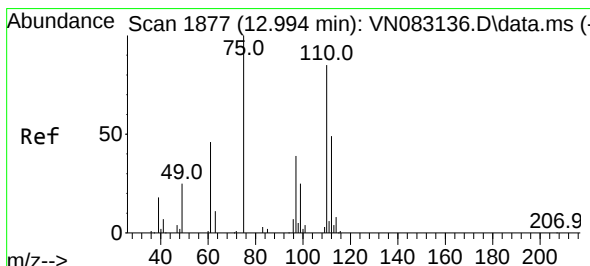
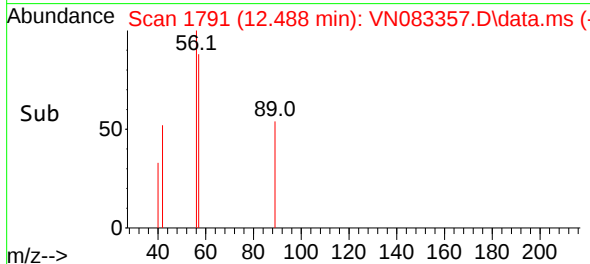
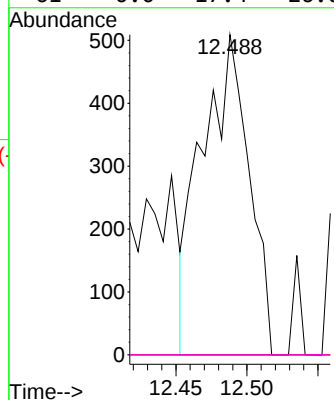
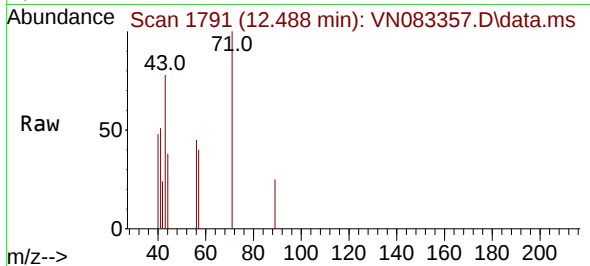




#74
N-amy1 acetate
Concen: 0.245 ug/l
RT: 12.488 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

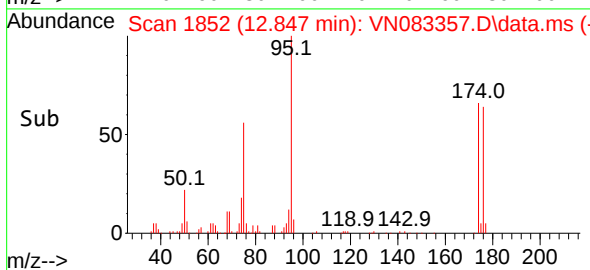
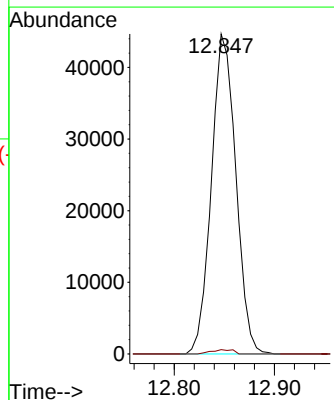
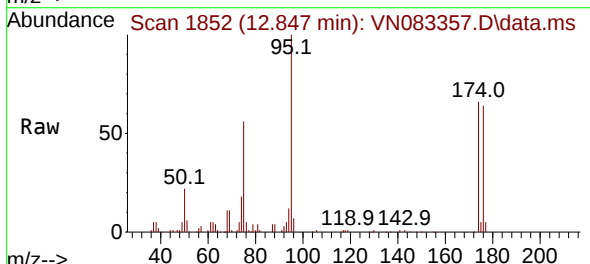
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#01

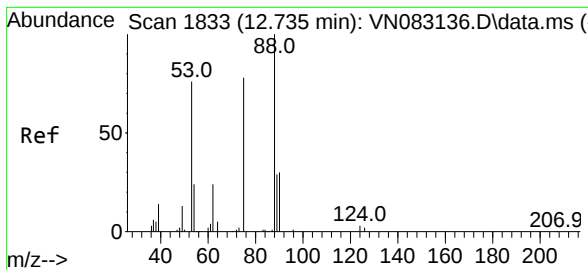
Tgt Ion	43	70	55	61
Ratio	100	0.0	0.0	0.0
Lower		29.8	18.7	17.4
Upper		44.6#	28.1#	26.0#



#76
1,2,3-Trichloropropane
Concen: 29.470 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083357.D
Acq: 16 Aug 2024 16:27

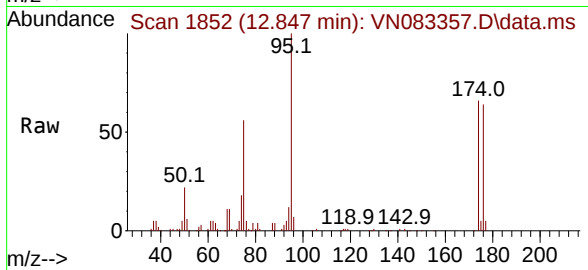
Tgt Ion	75	77
Ratio	100	1.2
Lower		110.9
Upper		332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.104 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083357.D
 Acq: 16 Aug 2024 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB162767ZHE#01



Tgt Ion: 75 Resp: 75633
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

