

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086419.D
 Acq On : 29 Apr 2025 02:08
 Operator : JC\MD
 Sample : PB167744ZHE#16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#16

Quant Time: Apr 29 03:41:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

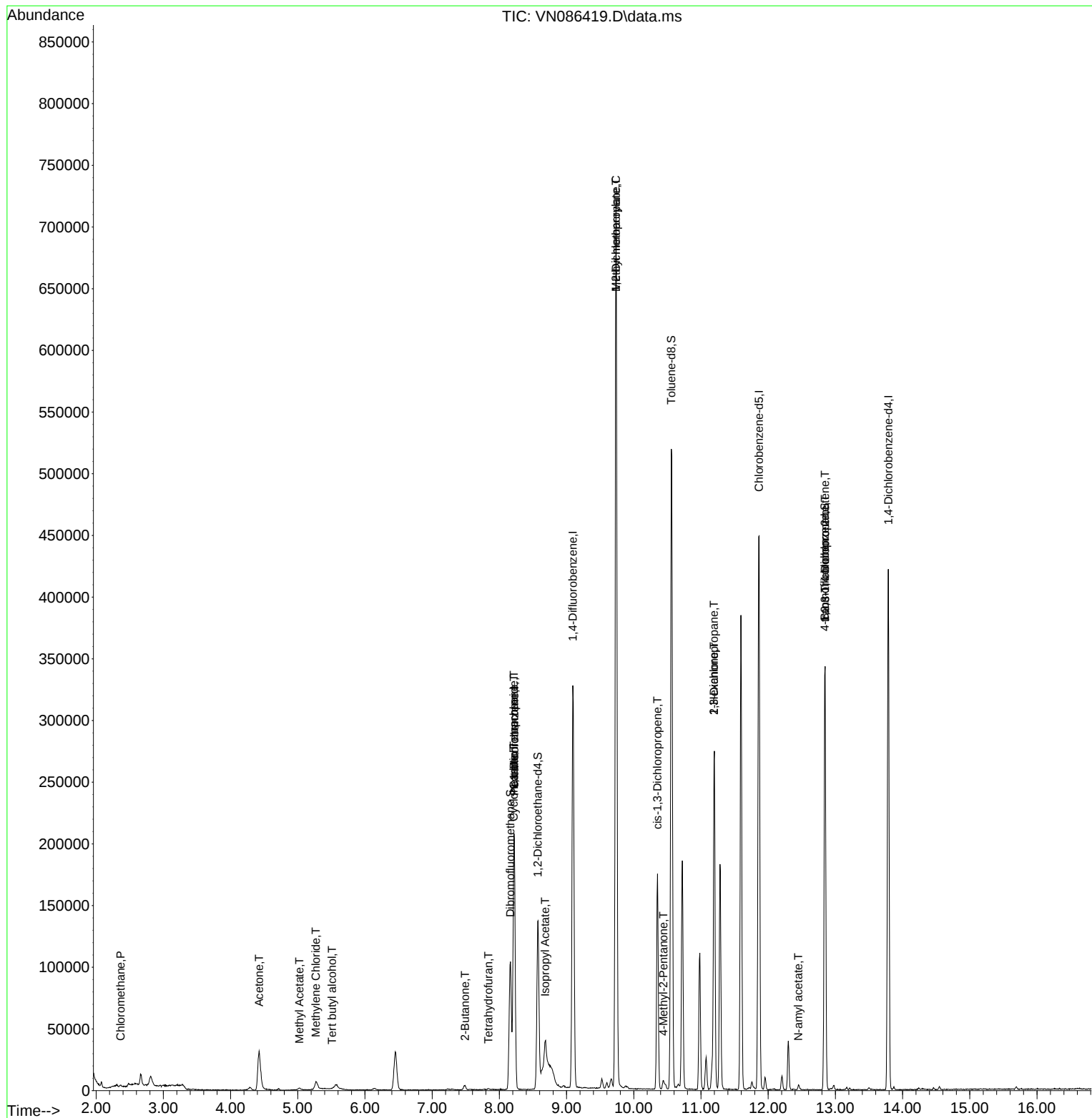
Internal Standards						
1) Pentafluorobenzene	8.224	168	152283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	290751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	112663	51.019	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.040%
35) Dibromofluoromethane	8.165	113	78281	58.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	116.020%
50) Toluene-d8	10.559	98	365390	50.665	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.841	95	125885	47.856	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	735	0.280	ug/l	93
11) Tert butyl alcohol	5.512	59	1017	2.524	ug/l #	72
16) Acetone	4.424	43	62113	77.415	ug/l	98
18) Methyl Acetate	5.024	43	3627	1.368	ug/l #	71
20) Methylene Chloride	5.271	84	4972	2.436	ug/l	93
25) 2-Butanone	7.488	43	7010	5.100	ug/l	99
29) Tetrahydrofuran	7.835	42	984	1.071	ug/l #	37
31) Cyclohexane	8.212	56	3603	1.007	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12810	4.753	ug/l #	50
38) Carbon Tetrachloride	8.218	117	15490	6.035	ug/l #	16
43) Isopropyl Acetate	8.682	43	76256	13.385	ug/l #	67
45) 1,2-Dichloropropane	9.735	63	924	0.437	ug/l #	43
48) Methyl methacrylate	9.735	41	65688	26.361	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	8856	3.048	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	31580	8.855	ug/l #	61
57) 1,3-Dichloropropane	11.194	76	2818	0.819	ug/l #	43
59) 2-Hexanone	11.194	43	55189	25.607	ug/l #	43
74) N-amyl acetate	12.447	43	3584	0.770	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	64282	23.834	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64282	57.240	ug/l #	10

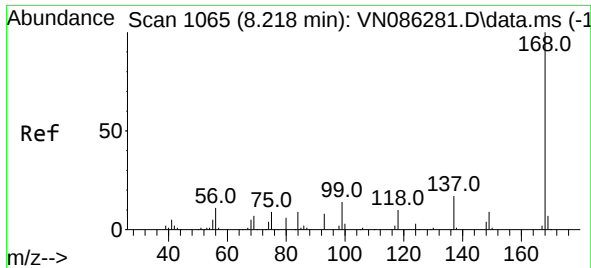
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
Data File : VN086419.D
Acq On : 29 Apr 2025 02:08
Operator : JC\MD
Sample : PB167744ZHE#16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

Quant Time: Apr 29 03:41:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

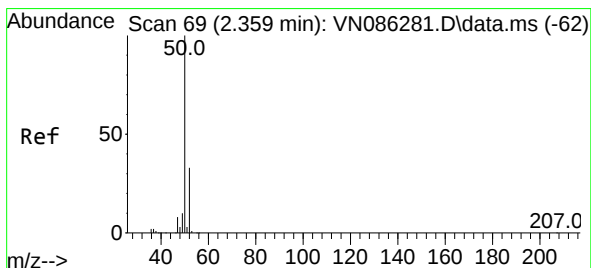
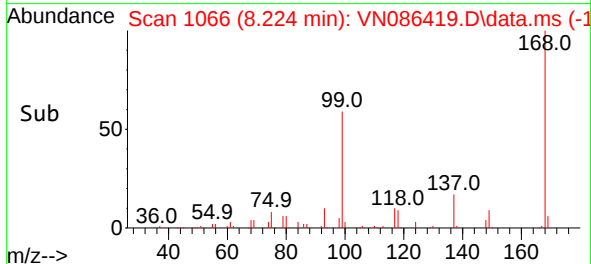
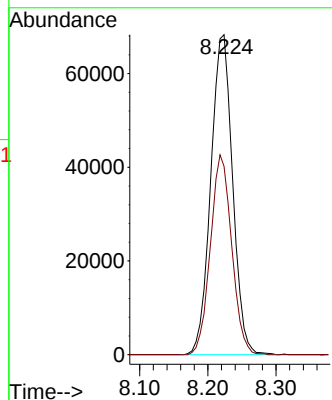
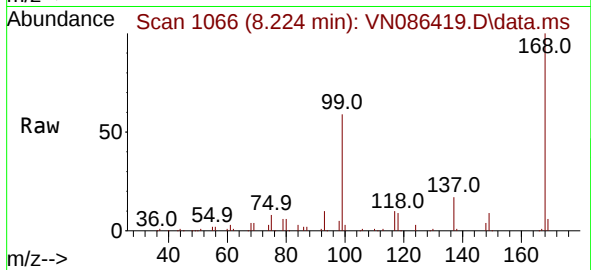




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

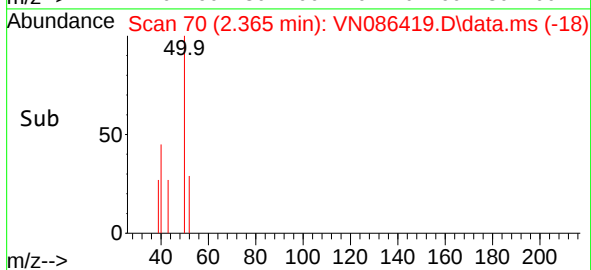
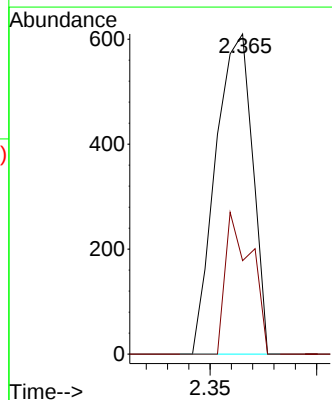
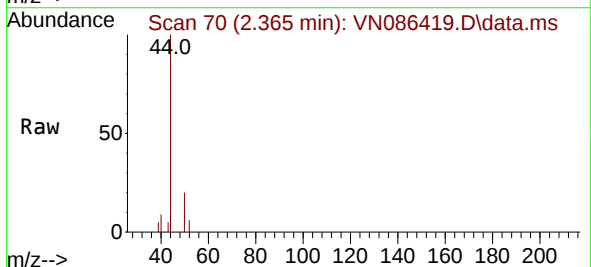
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

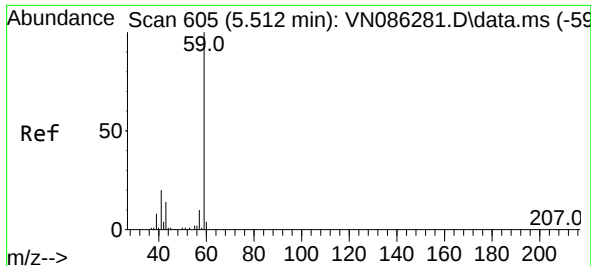
Tgt Ion:168 Resp: 152283
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 29.2 26.5 39.7

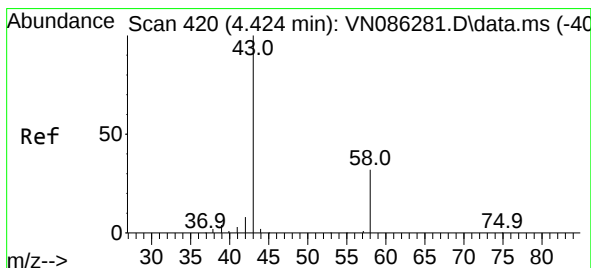
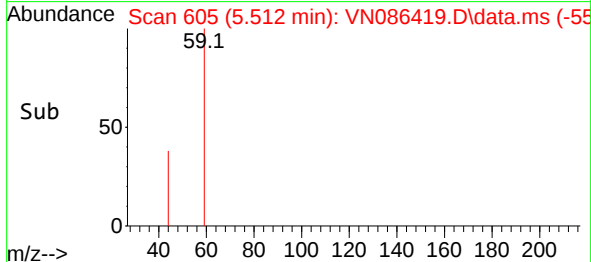
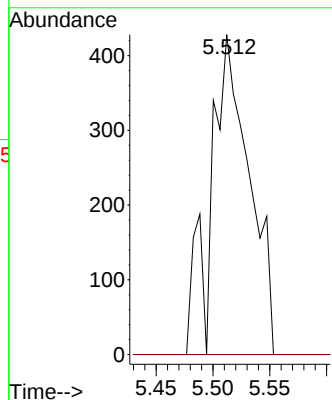
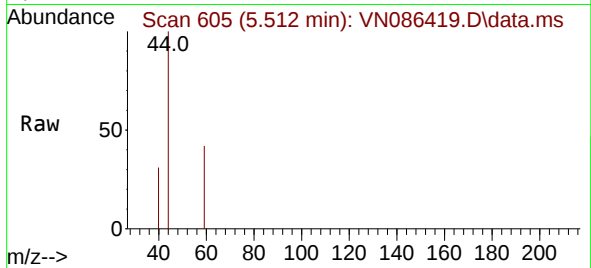




#11
Tert butyl alcohol
Concen: 2.524 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

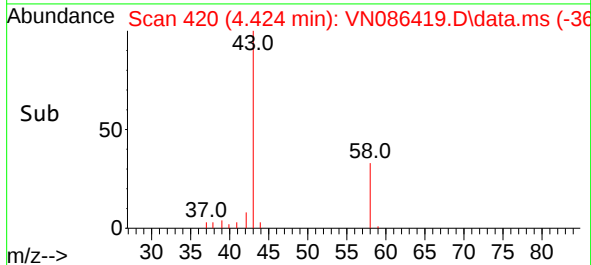
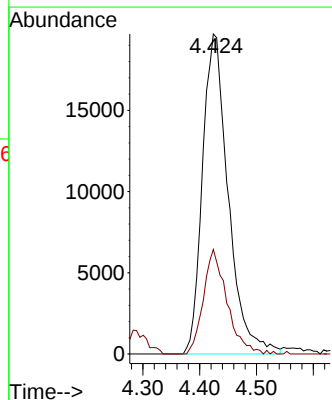
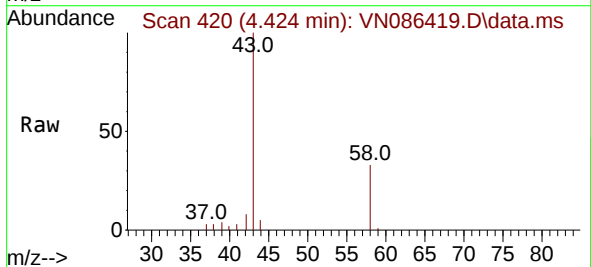
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

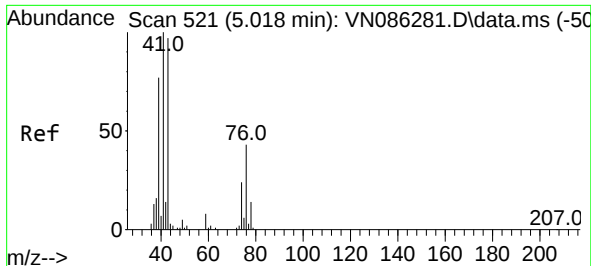
Tgt Ion: 59 Resp: 1017
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 77.415 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

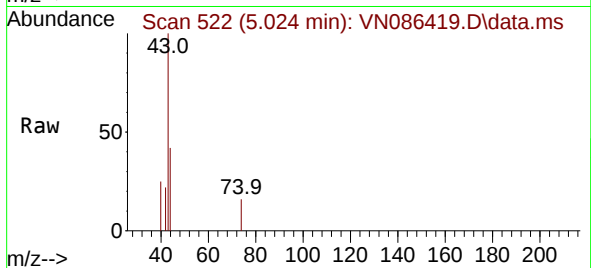
Tgt Ion: 43 Resp: 62113
Ion Ratio Lower Upper
43 100
58 32.6 25.3 37.9



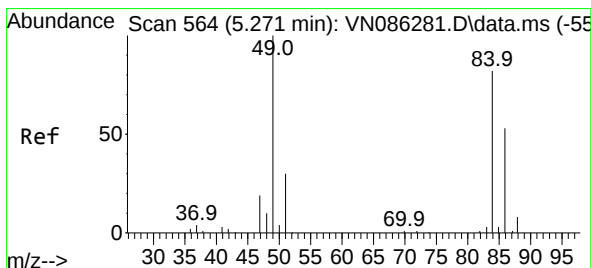
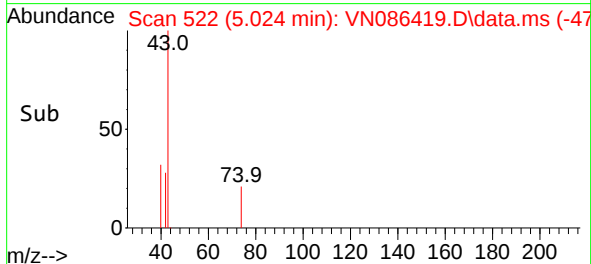
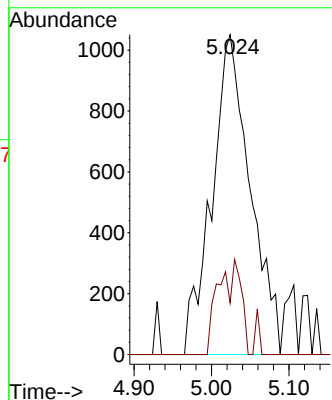


#18
Methyl Acetate
Concen: 1.368 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

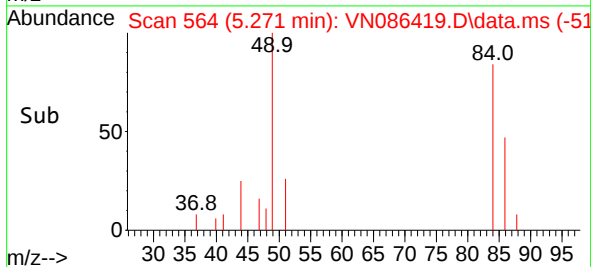
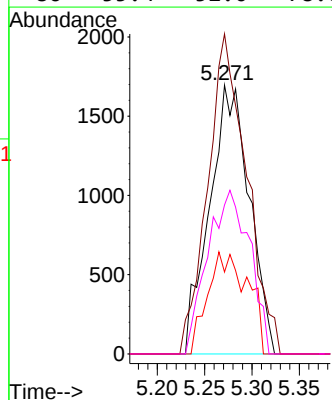
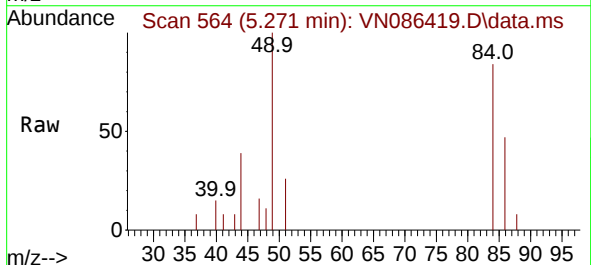


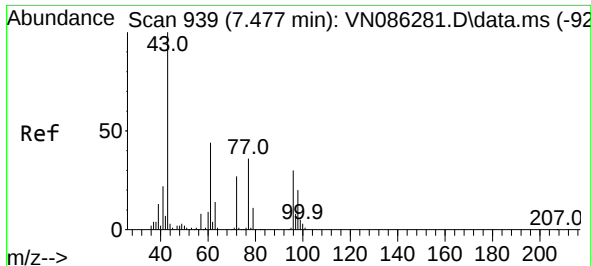
Tgt Ion: 43 Resp: 3627
Ion Ratio Lower Upper
43 100
74 10.4 19.8 29.6#



#20
Methylene Chloride
Concen: 2.436 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Tgt Ion: 84 Resp: 4972
Ion Ratio Lower Upper
84 100
49 119.0 98.2 147.2
51 30.5 29.8 44.6
86 55.4 52.0 78.0

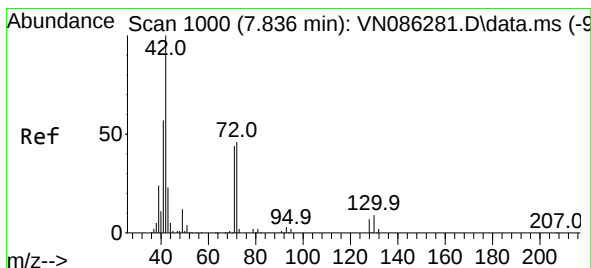
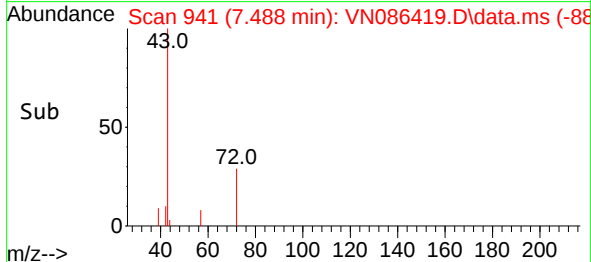
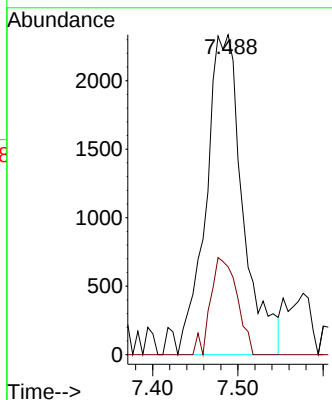
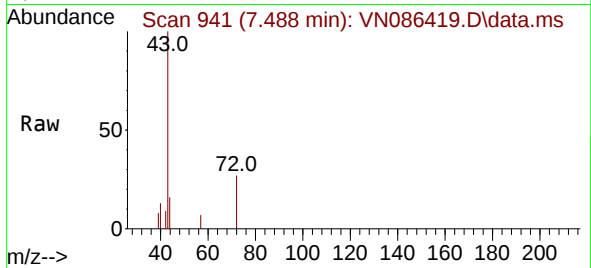




#25
2-Butanone
Concen: 5.100 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

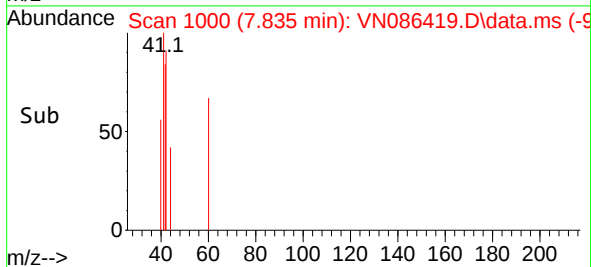
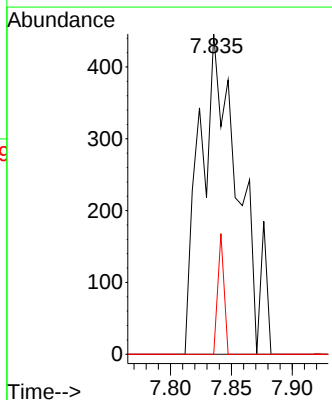
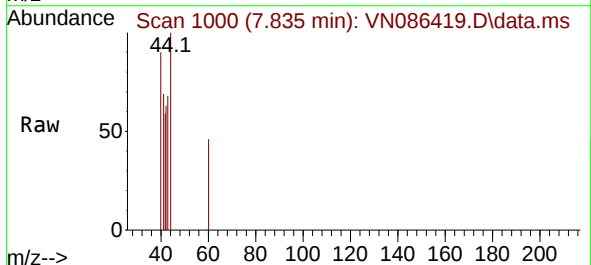
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

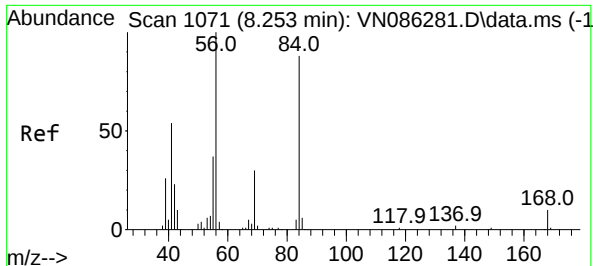
Tgt Ion: 43 Resp: 7010
Ion Ratio Lower Upper
43 100
72 27.4 21.7 32.5



#29
Tetrahydrofuran
Concen: 1.071 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

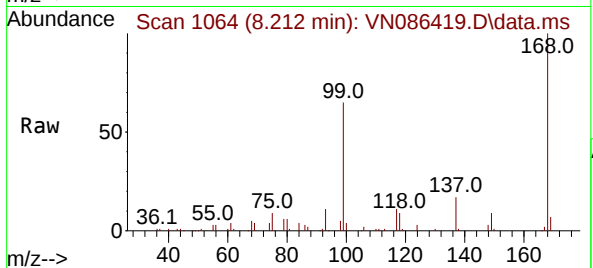
Tgt Ion: 42 Resp: 984
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 6.0 34.0 51.0#



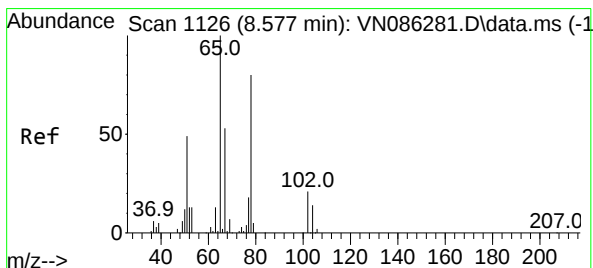
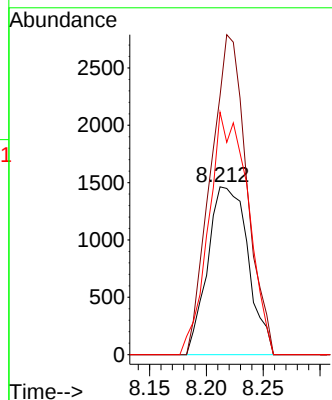
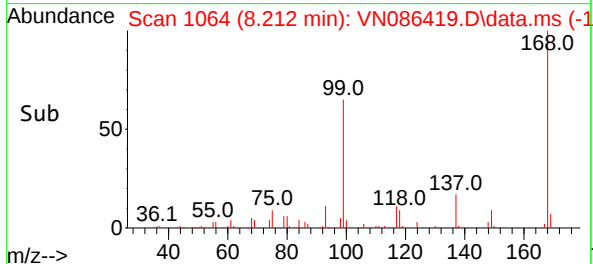


#31
Cyclohexane
Concen: 1.007 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

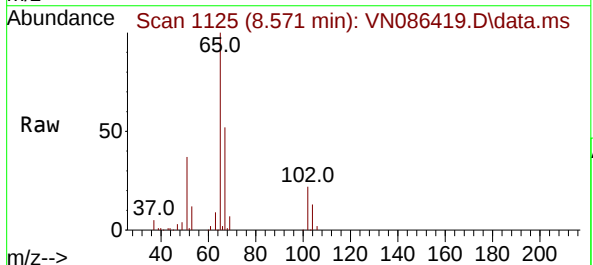
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16



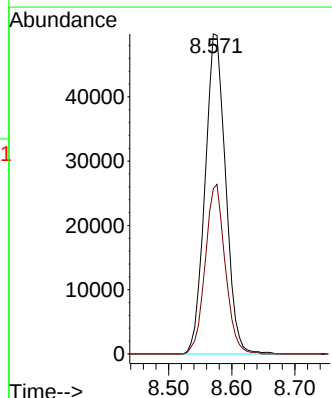
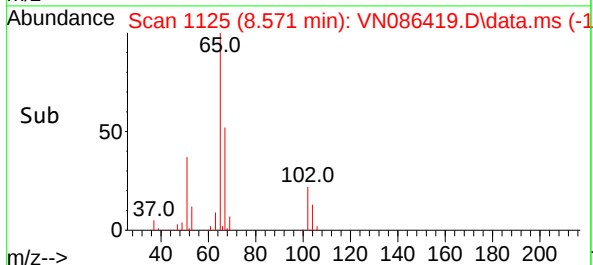
Tgt Ion: 56 Resp: 3603
Ion Ratio Lower Upper
56 100
69 154.3 24.2 36.2#
84 144.4 70.3 105.5#

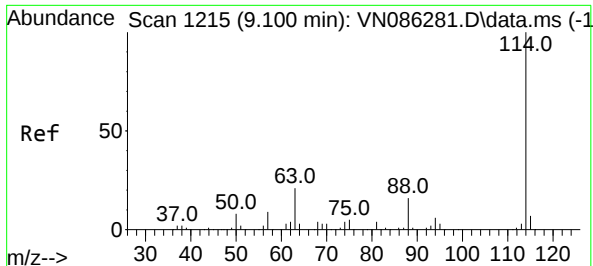


#33
1,2-Dichloroethane-d4
Concen: 51.019 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08



Tgt Ion: 65 Resp: 112663
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#16

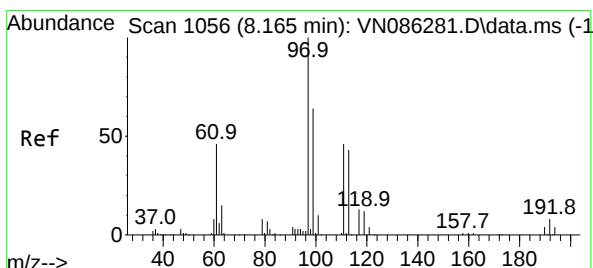
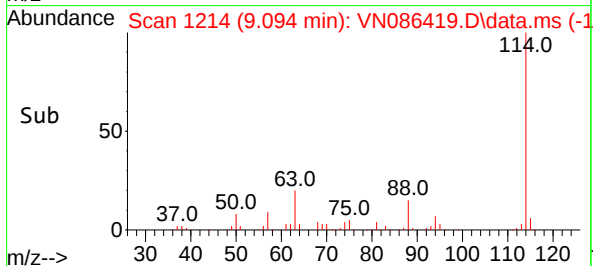
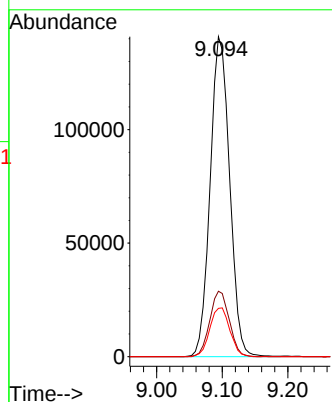
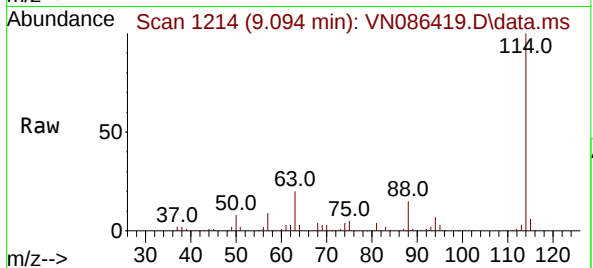
Tgt Ion:114 Resp: 290751

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.011 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

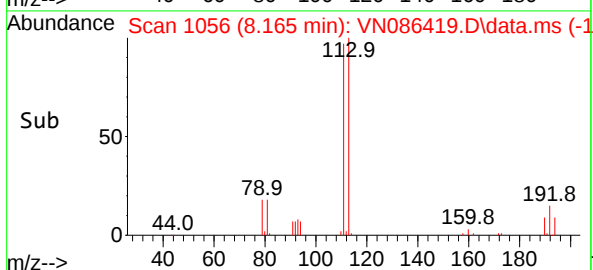
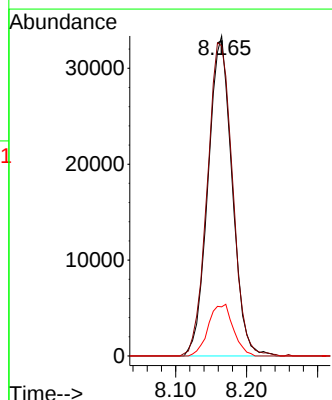
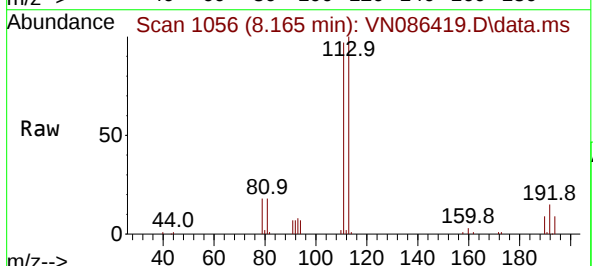
Tgt Ion:113 Resp: 78281

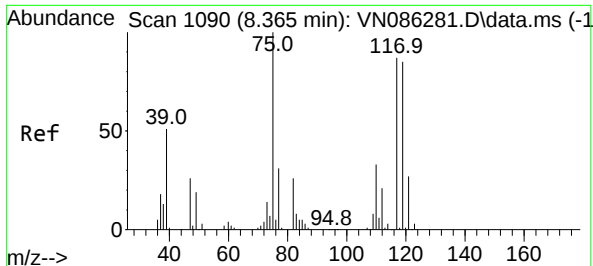
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

192 16.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.753 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#16

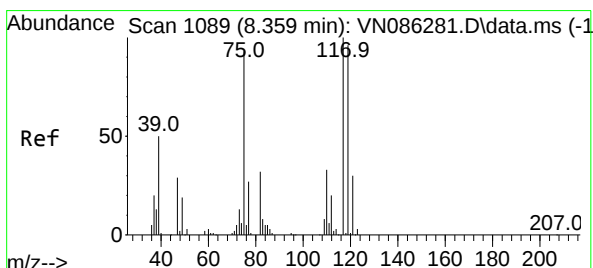
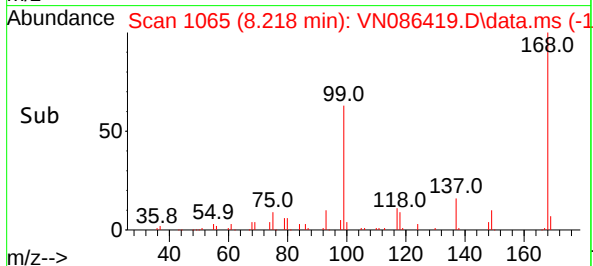
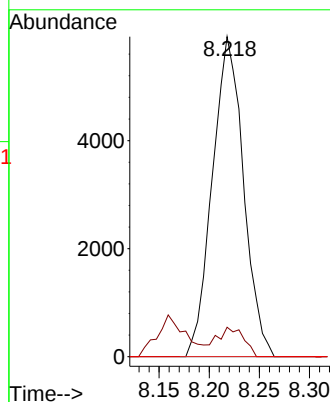
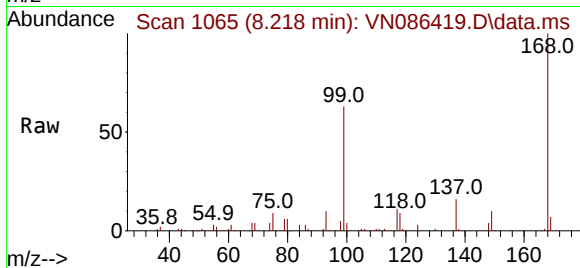
Tgt Ion: 75 Resp: 12810

Ion Ratio Lower Upper

75 100

110 8.1 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

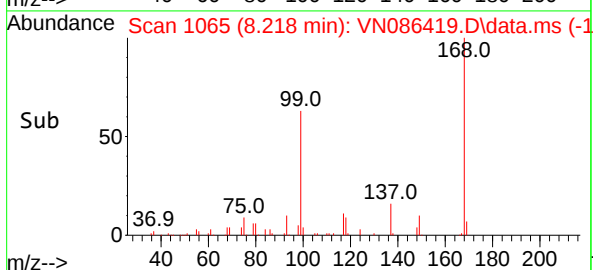
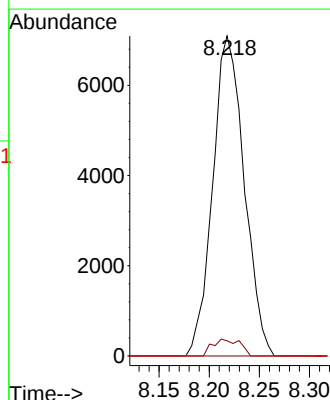
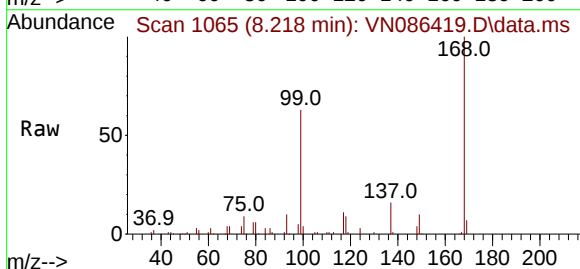
Tgt Ion: 117 Resp: 15490

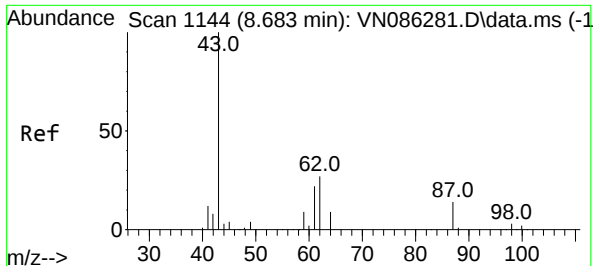
Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 13.385 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#16

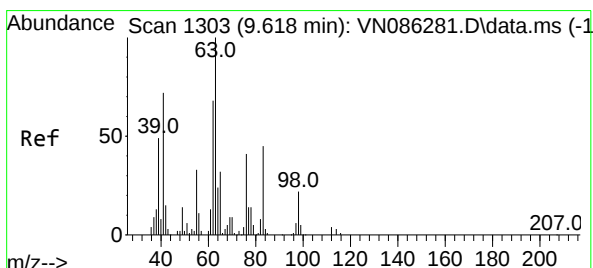
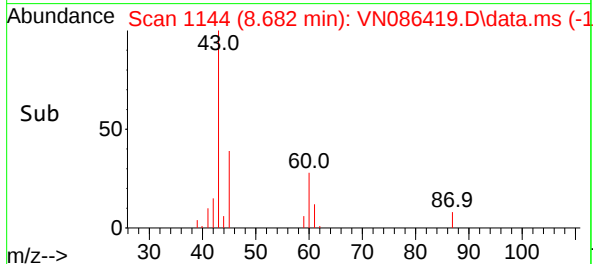
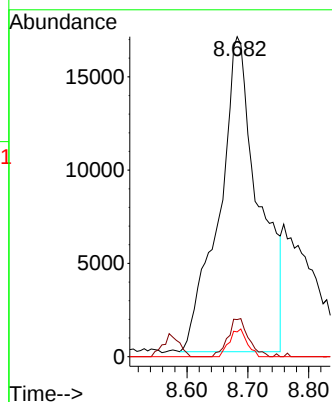
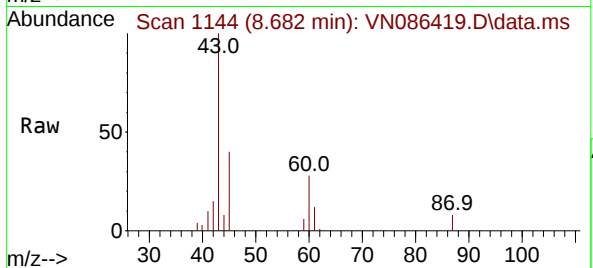
Tgt Ion: 43 Resp: 76256

Ion Ratio Lower Upper

43 100

61 6.2 20.5 30.7#

87 3.8 10.5 15.7#



#45

1,2-Dichloropropane

Concen: 0.437 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086419.D

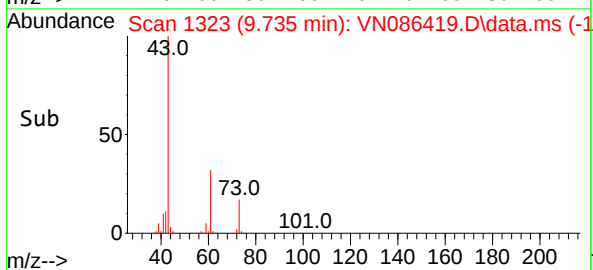
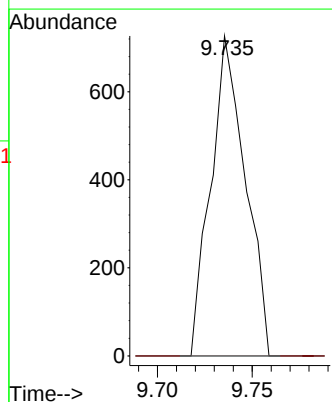
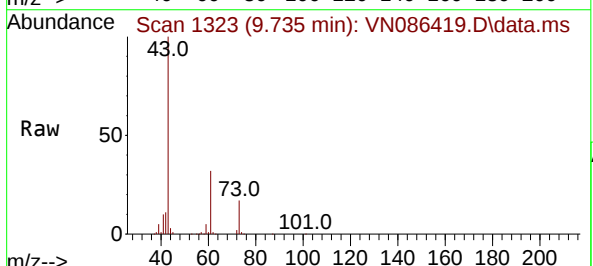
Acq: 29 Apr 2025 02:08

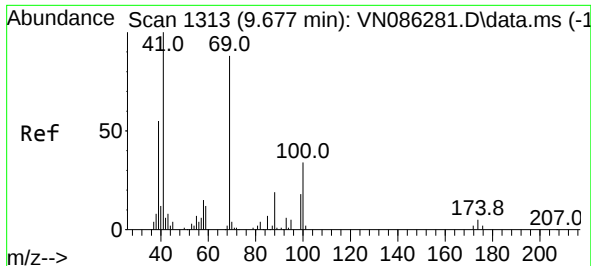
Tgt Ion: 63 Resp: 924

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#

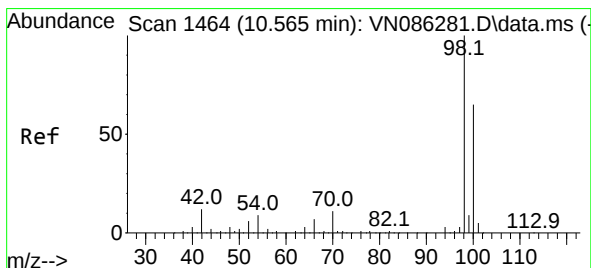
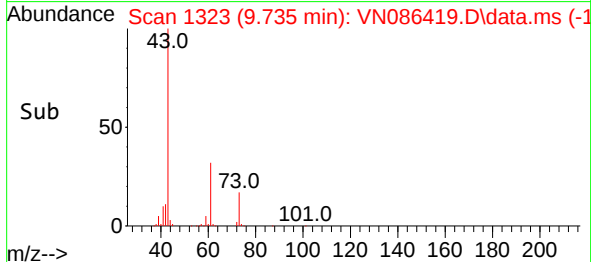
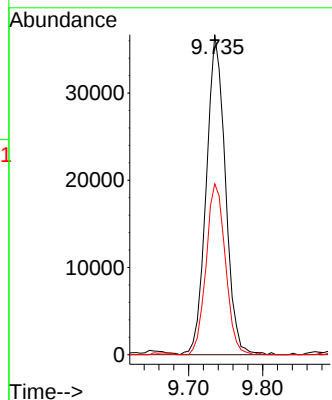
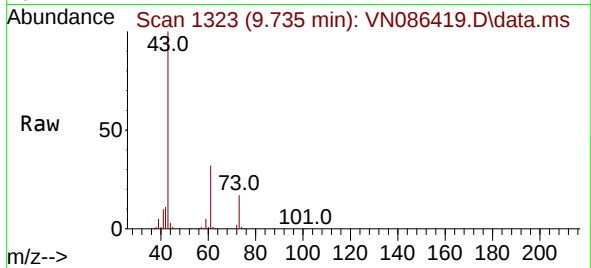




#48
Methyl methacrylate
Concen: 26.361 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

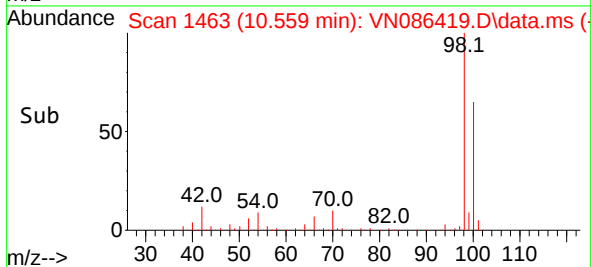
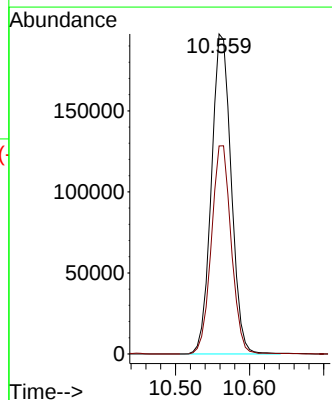
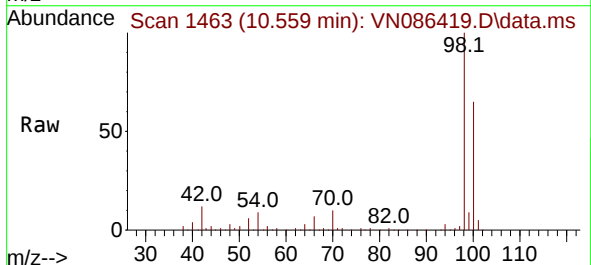
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

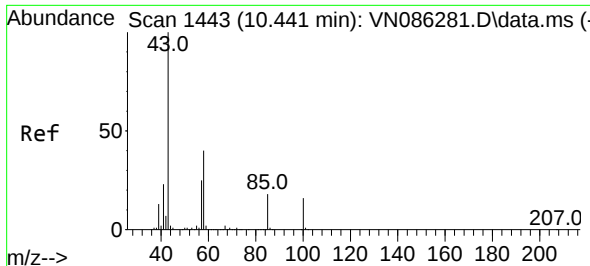
Tgt Ion: 41 Resp: 65688
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 53.9 45.2 67.8



#50
Toluene-d8
Concen: 50.665 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Tgt Ion: 98 Resp: 365390
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

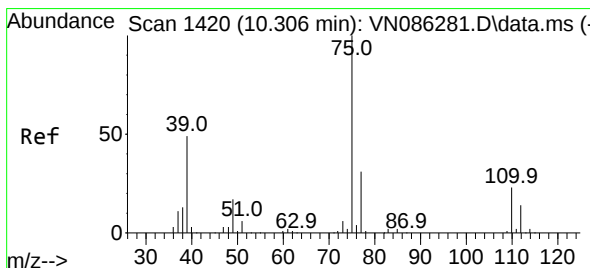
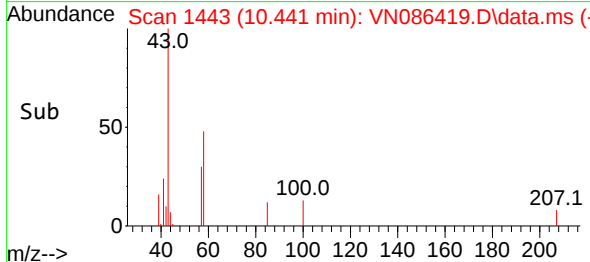
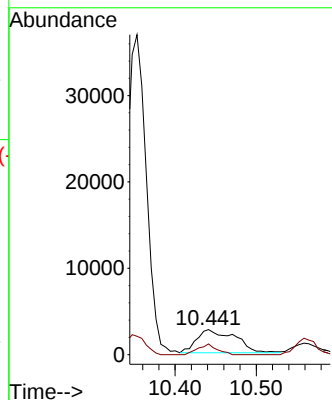
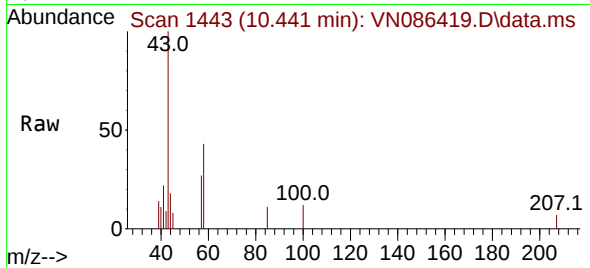




#51
4-Methyl-2-Pentanone
Concen: 3.048 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

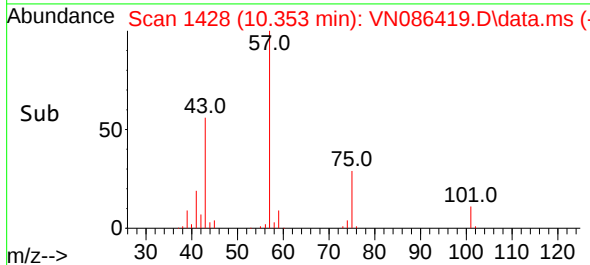
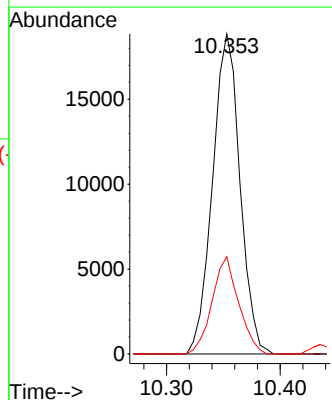
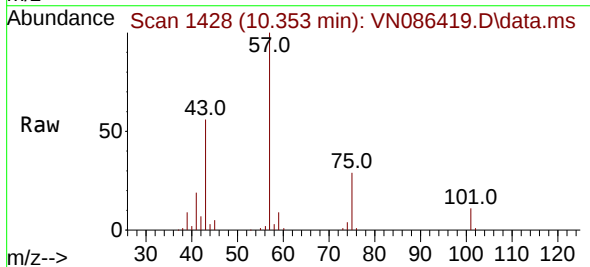
Instrument : MSVOA_N
ClientSampleId : PB167744ZHE#16

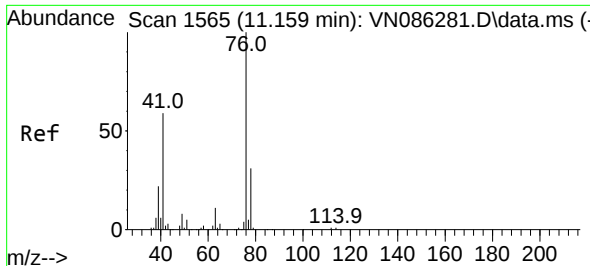
Tgt Ion: 43 Resp: 8856
Ion Ratio Lower Upper
43 100
58 22.7 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 8.855 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Tgt Ion: 75 Resp: 31580
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 30.4 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.819 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

Instrument :

MSVOA_N

ClientSampleId :

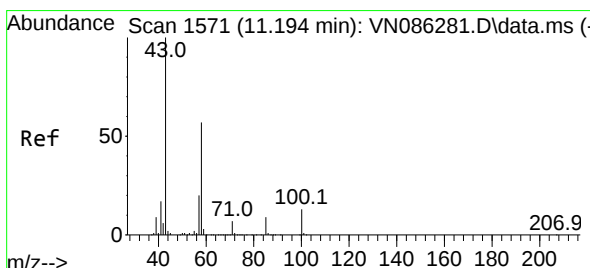
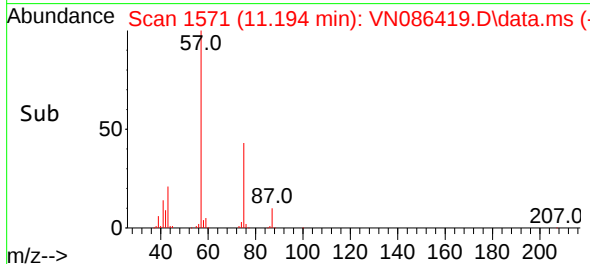
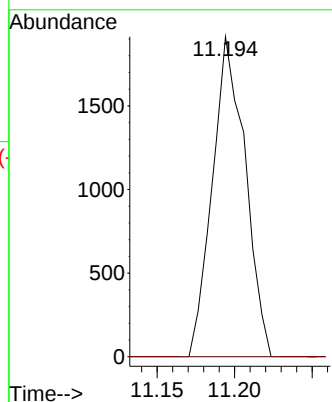
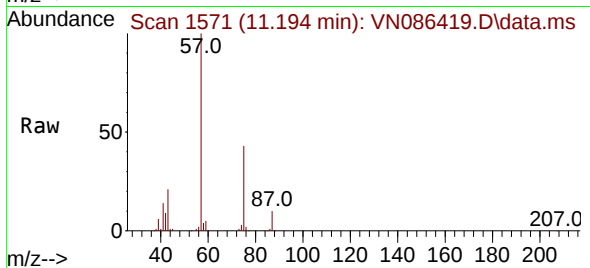
PB167744ZHE#16

Tgt Ion: 76 Resp: 2818

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 25.607 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN086419.D

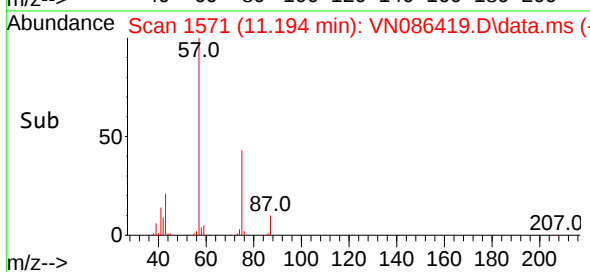
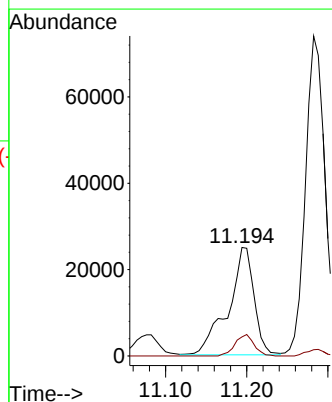
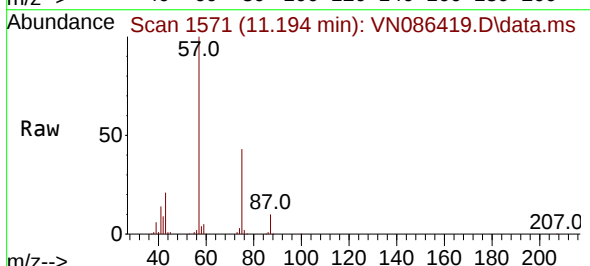
Acq: 29 Apr 2025 02:08

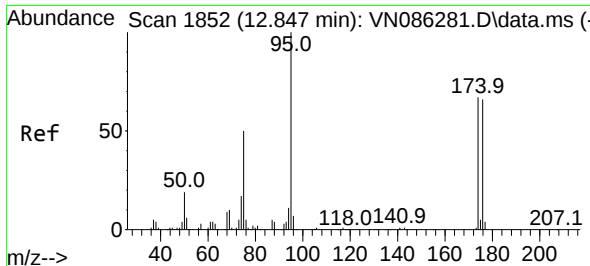
Tgt Ion: 43 Resp: 55189

Ion Ratio Lower Upper

43 100

58 14.6 28.3 85.0#

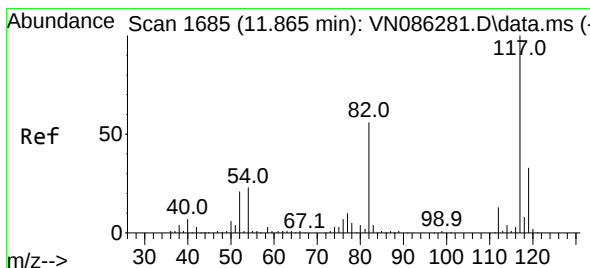
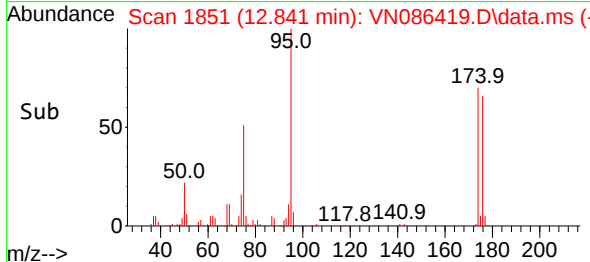
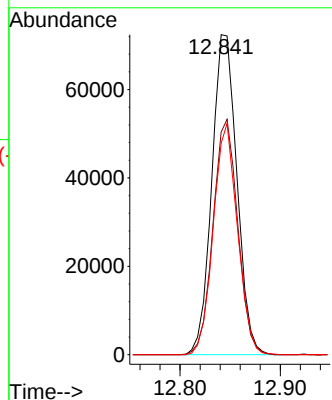
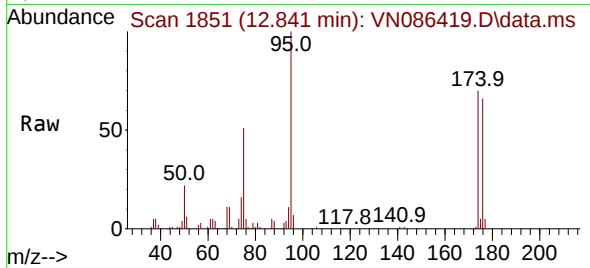




#62
4-Bromofluorobenzene
Concen: 47.856 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

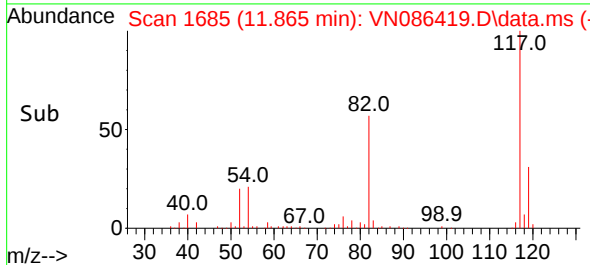
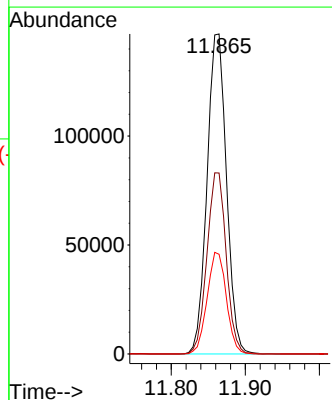
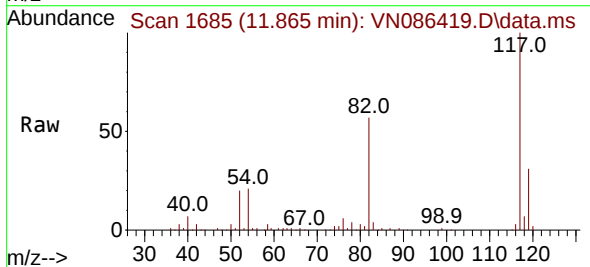
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

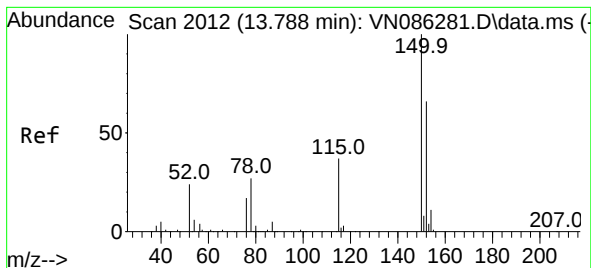
Tgt Ion: 95 Resp: 125885
Ion Ratio Lower Upper
95 100
174 72.4 0.0 133.4
176 69.3 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Tgt Ion: 117 Resp: 267491
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 31.2 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#16

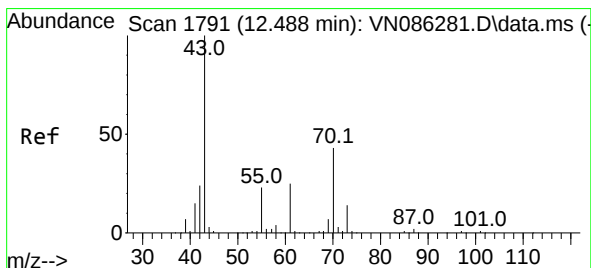
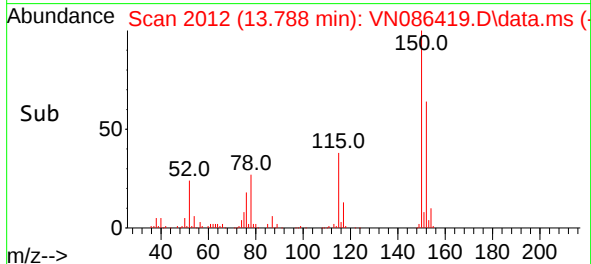
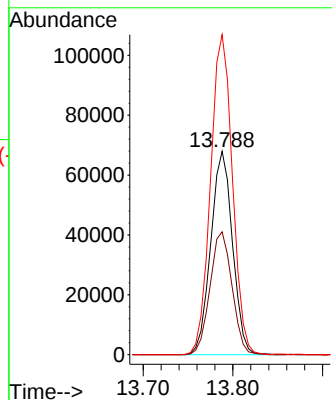
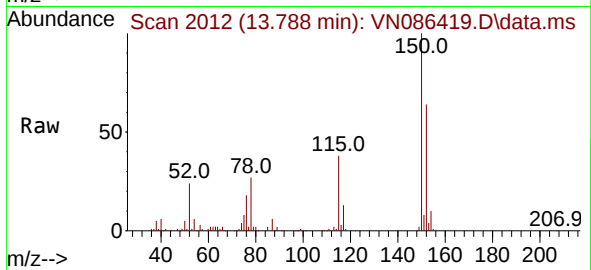
Tgt Ion:152 Resp: 114290

Ion Ratio Lower Upper

152 100

115 61.1 31.9 95.9

150 158.1 0.0 352.0



#74

N-ethyl acetate

Concen: 0.770 ug/l

RT: 12.447 min Scan# 1784

Delta R.T. -0.041 min

Lab File: VN086419.D

Acq: 29 Apr 2025 02:08

Tgt Ion: 43 Resp: 3584

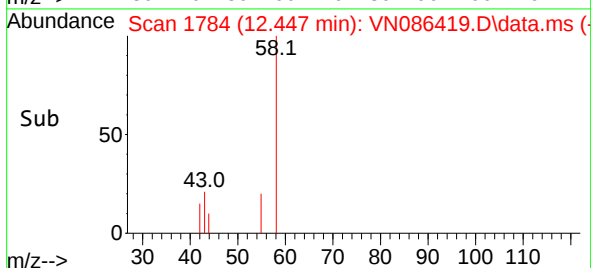
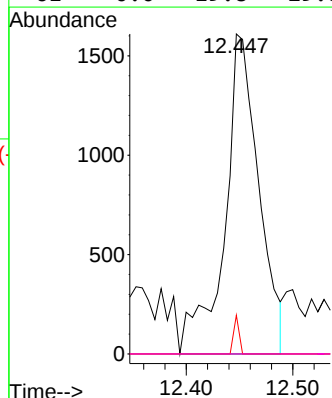
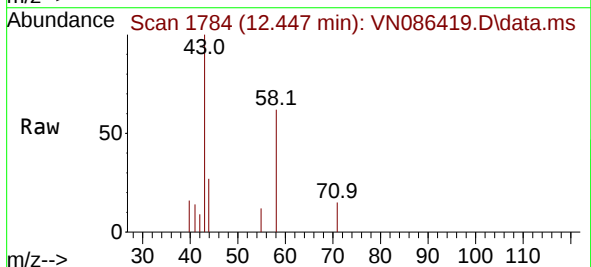
Ion Ratio Lower Upper

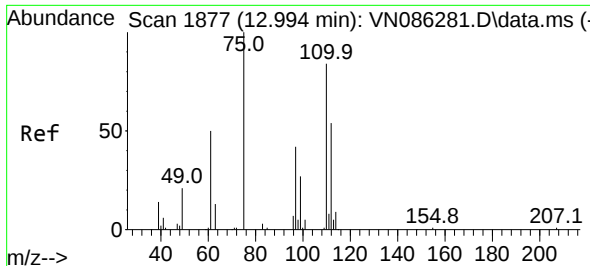
43 100

70 0.0 35.0 52.4#

55 1.9 19.0 28.4#

61 0.0 19.8 29.8#

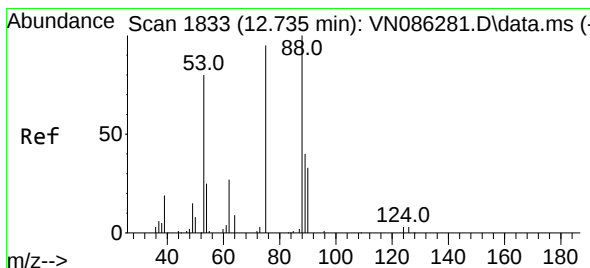
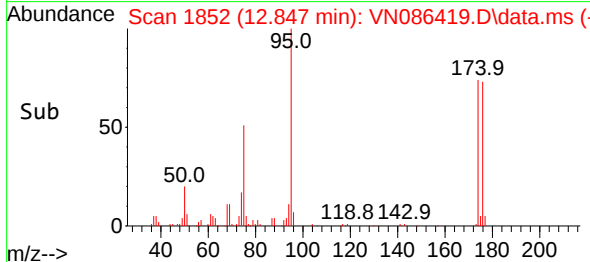
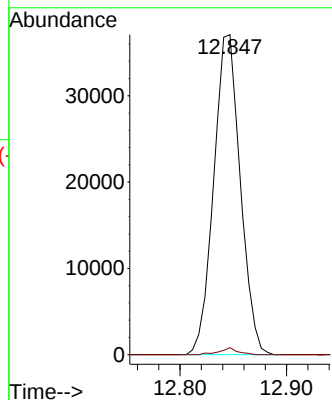
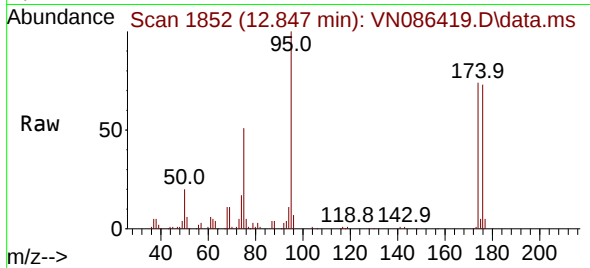




#76
1,2,3-Trichloropropane
Concen: 23.834 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#16

Tgt Ion: 75 Resp: 64282
Ion Ratio Lower Upper
75 100
77 1.5 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086419.D
Acq: 29 Apr 2025 02:08

Tgt Ion: 75 Resp: 64282
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

