

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085019.D
 Acq On : 22 Nov 2024 20:29
 Operator : JC\MD
 Sample : P4845-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:27:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	172730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119597	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127888	51.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.960%	
35) Dibromofluoromethane	8.159	113	100722	49.540	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.080%	
50) Toluene-d8	10.565	98	349119	47.914	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.820%	
62) 4-Bromofluorobenzene	12.847	95	135797	49.836	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.680%	

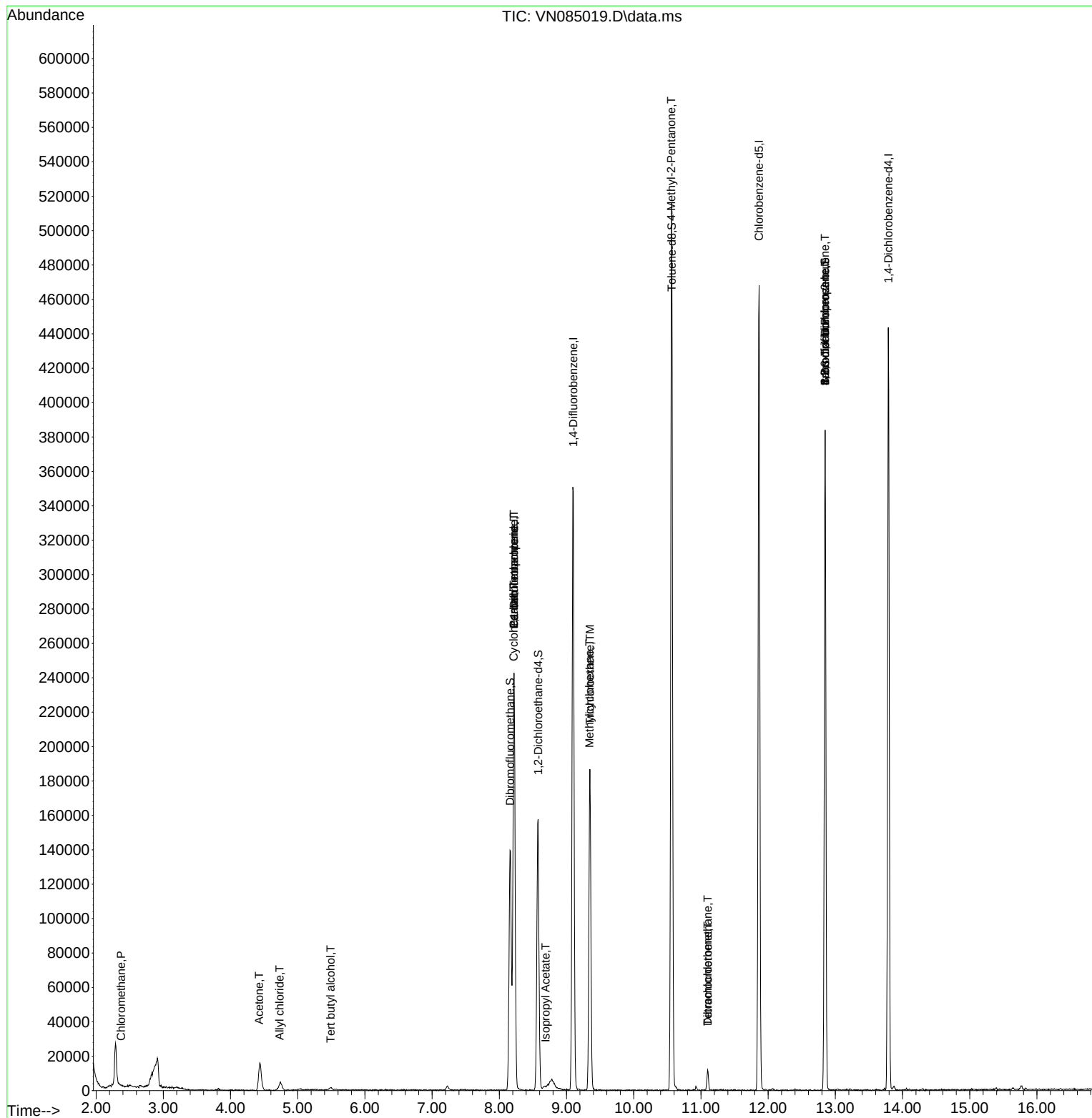
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	570	0.252	ug/l #	40
11) Tert butyl alcohol	5.489	59	1359	4.133	ug/l #	75
14) Allyl chloride	4.730	41	727	0.235	ug/l #	61
16) Acetone	4.424	43	1376	1.920	ug/l #	77
18) Methyl Acetate	5.024	43	1631	Below Cal	#	65
31) Cyclohexane	8.212	56	3879	1.184	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14845	5.391	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18578	5.844	ug/l #	15
39) Methylcyclohexane	9.341	83	909	0.318	ug/l #	1
43) Isopropyl Acetate	8.688	43	2401	0.462	ug/l #	55
44) Trichloroethene	9.347	130	67963	33.576	ug/l	98
51) 4-Methyl-2-Pentanone	10.559	43	1512	0.637	ug/l #	1
60) Dibromochloromethane	11.100	129	2625	1.118	ug/l #	10
64) Tetrachloroethene	11.100	164	2648	1.471	ug/l	96
71) Bromoform	12.847	173	1035	0.654	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70147	32.246	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70147	71.185	ug/l #	10

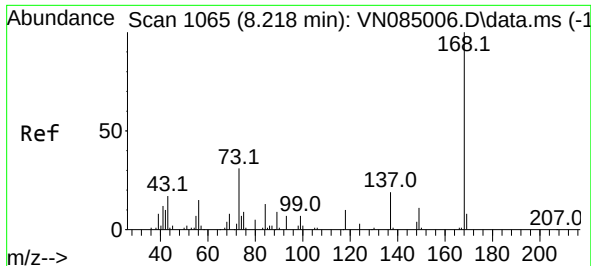
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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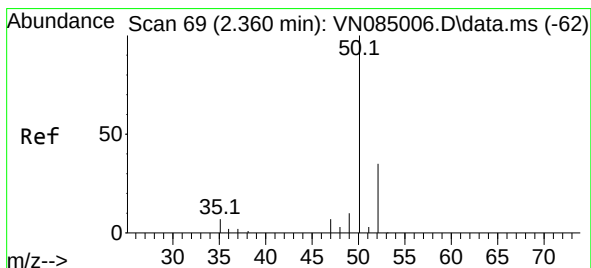
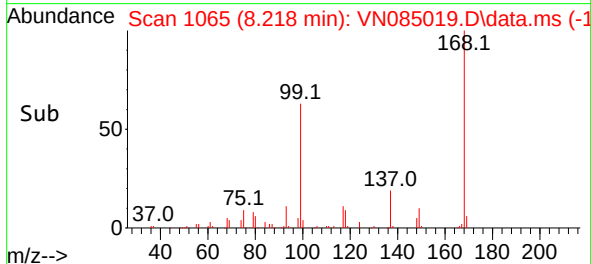
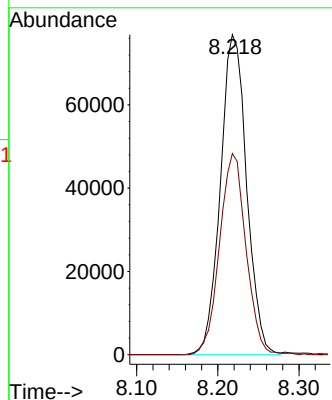
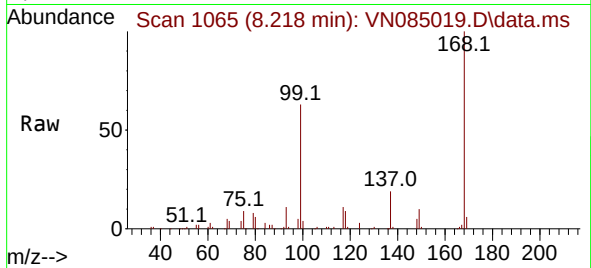




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

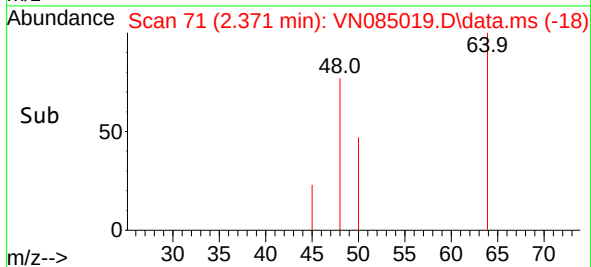
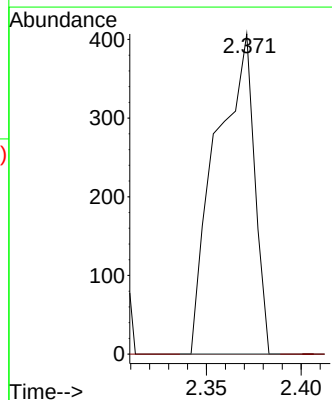
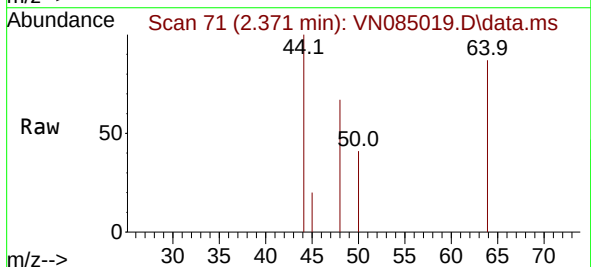
Instrument :
MSVOA_N
ClientSampleId :

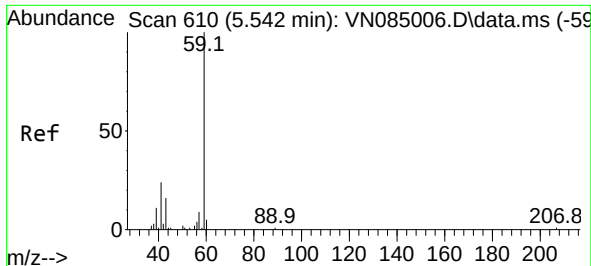
Tgt Ion:168 Resp: 172730
Ion Ratio Lower Upper
168 100
99 62.8 51.2 76.8



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

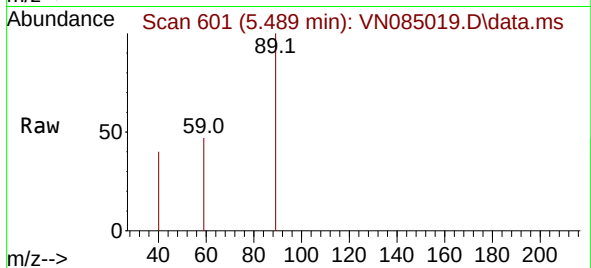
Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#



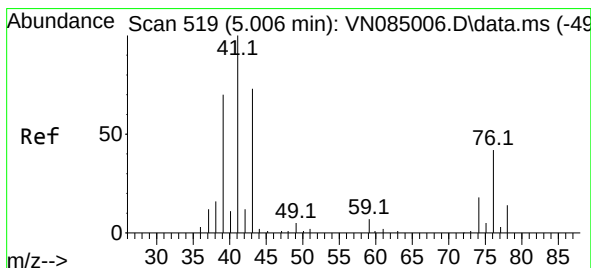
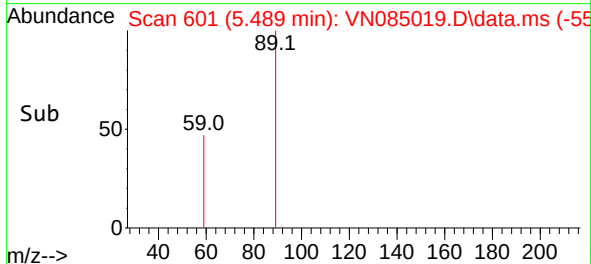
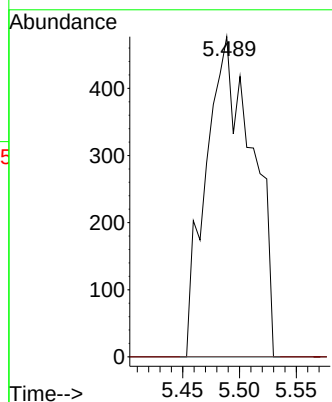


#11
Tert butyl alcohol
Concen: 4.133 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.053 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

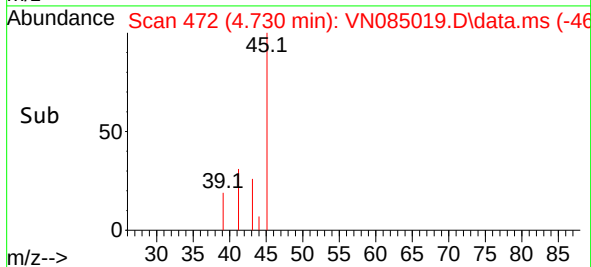
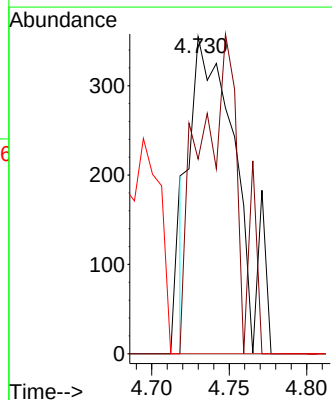
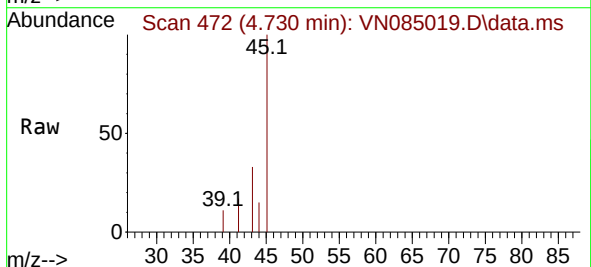


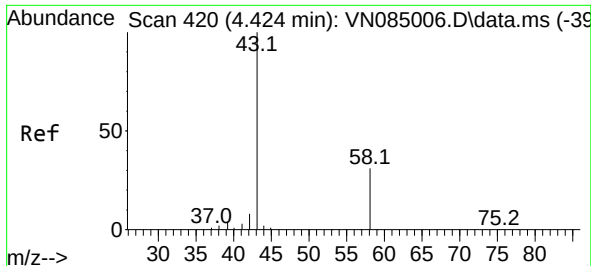
Tgt Ion: 59 Resp: 1359
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#14
Allyl chloride
Concen: 0.235 ug/l
RT: 4.730 min Scan# 472
Delta R.T. -0.276 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 41 Resp: 727
Ion Ratio Lower Upper
41 100
39 88.4 53.8 80.8#
76 0.0 29.3 43.9#

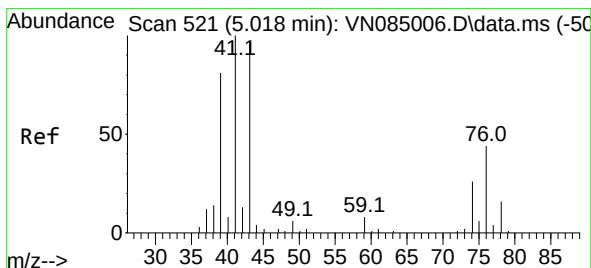
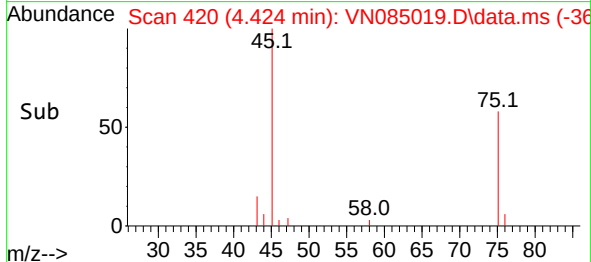
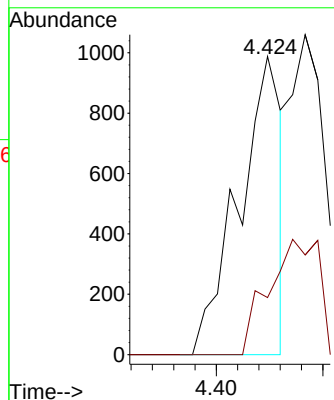
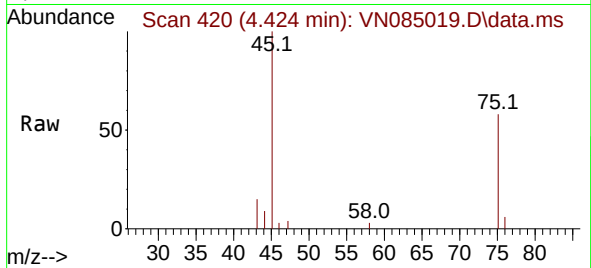




#16
Acetone
Concen: 1.920 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

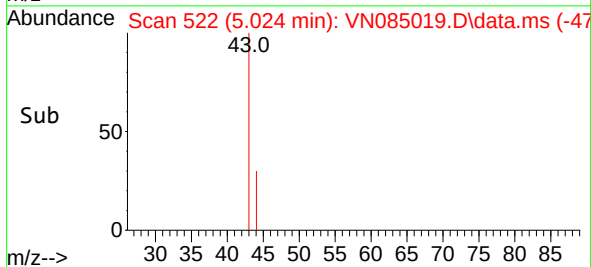
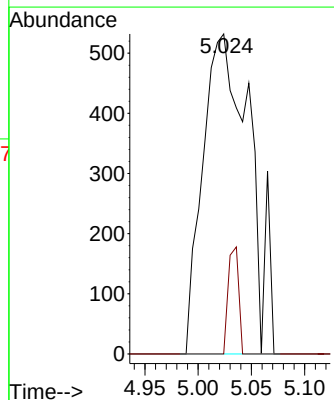
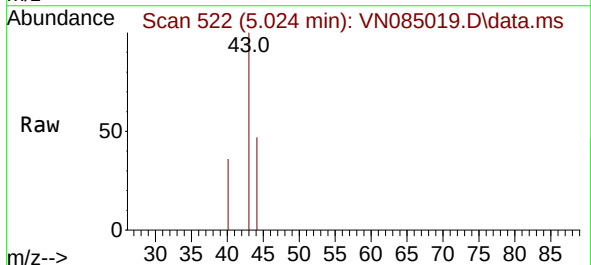
Instrument :
MSVOA_N
ClientSampleId :

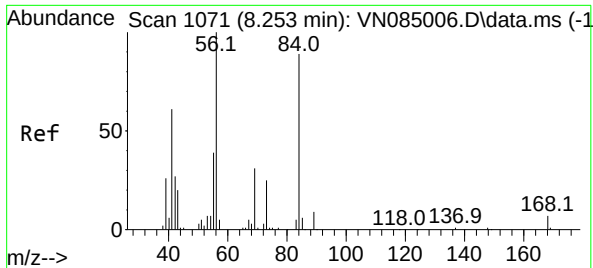
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 19.1 25.4 38.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

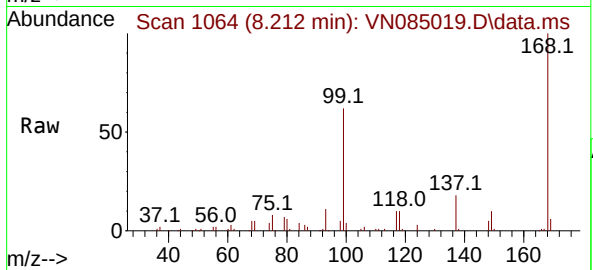
Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
74 7.4 20.1 30.1#



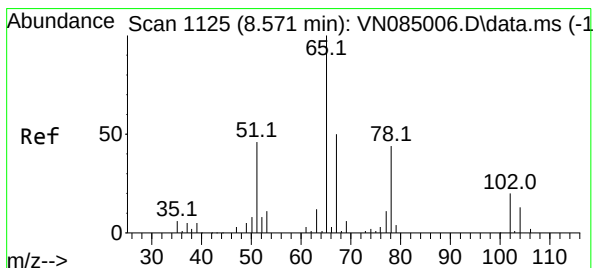
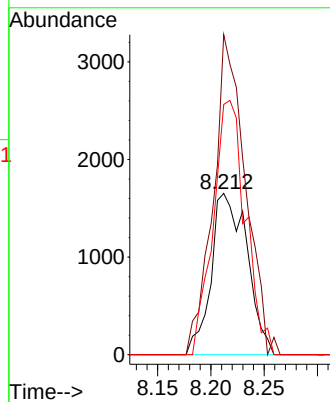
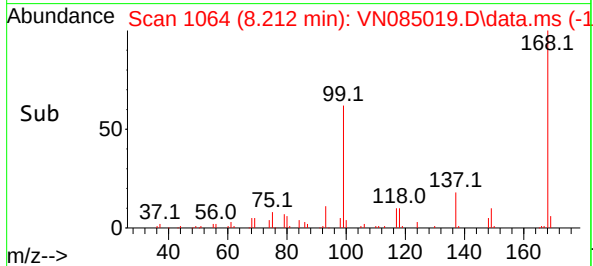


#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

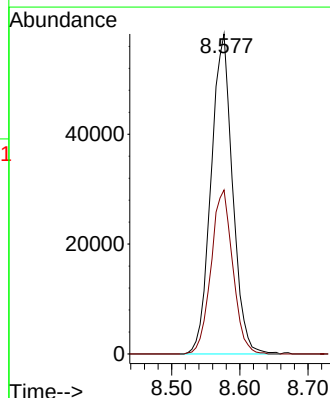
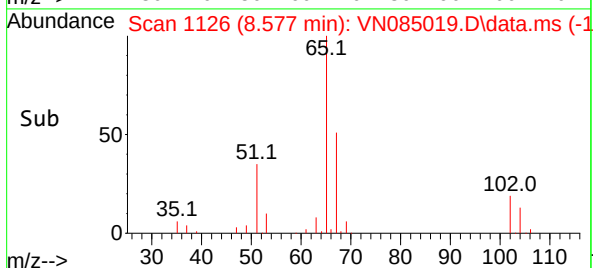
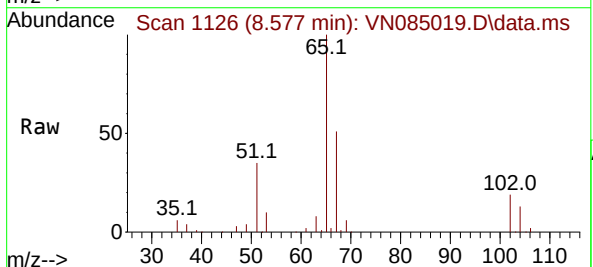


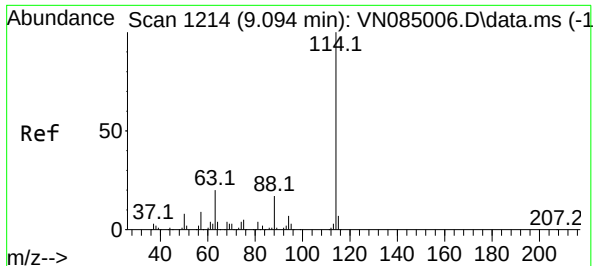
Tgt Ion: 56 Resp: 3879
Ion Ratio Lower Upper
56 100
69 198.4 24.6 36.8#
84 155.2 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.978 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 65 Resp: 127888
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085019.D

Acq: 22 Nov 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

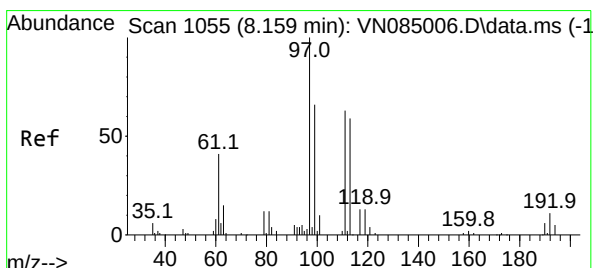
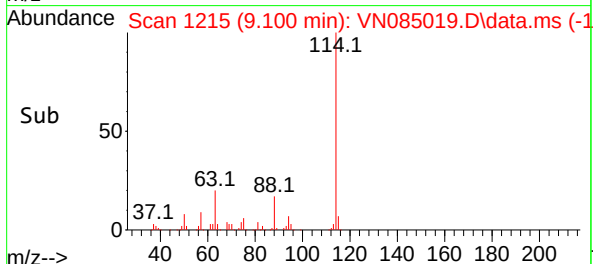
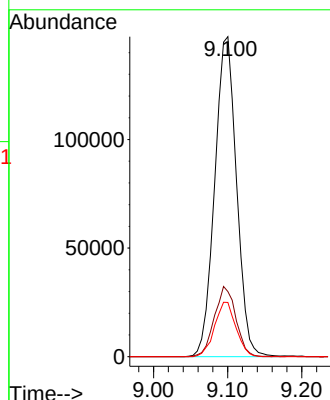
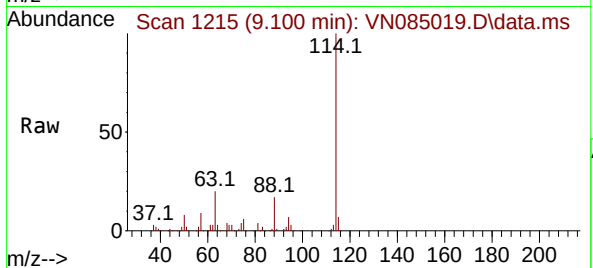
Tgt Ion:114 Resp: 301491

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 16.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.540 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085019.D

Acq: 22 Nov 2024 20:29

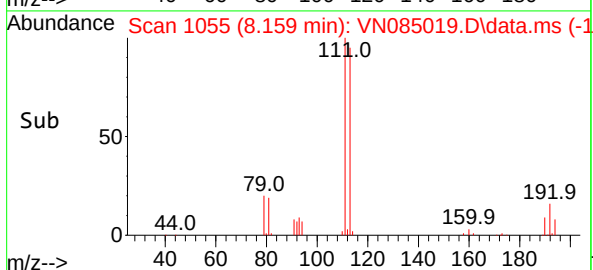
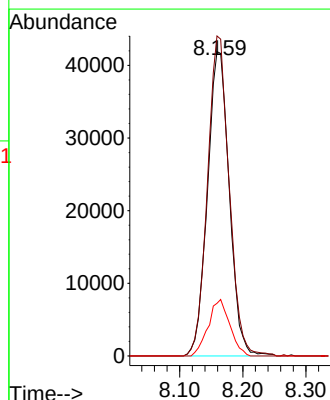
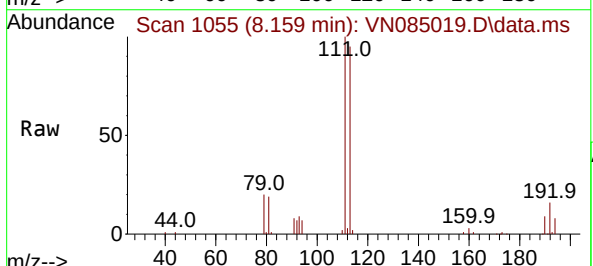
Tgt Ion:113 Resp: 100722

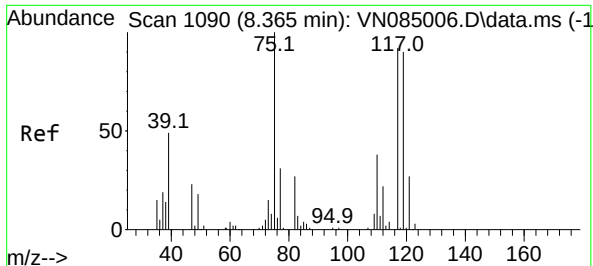
Ion Ratio Lower Upper

113 100

111 104.2 82.0 123.0

192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.391 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085019.D

Acq: 22 Nov 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

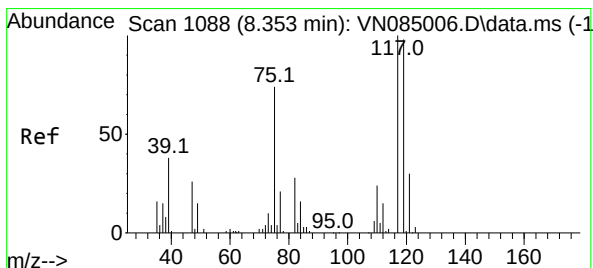
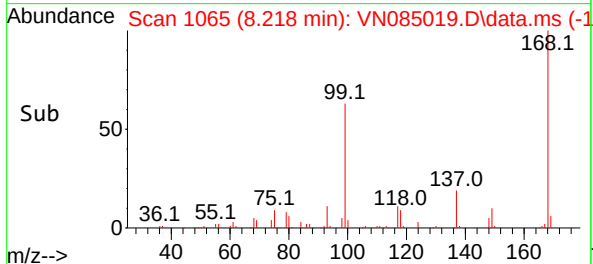
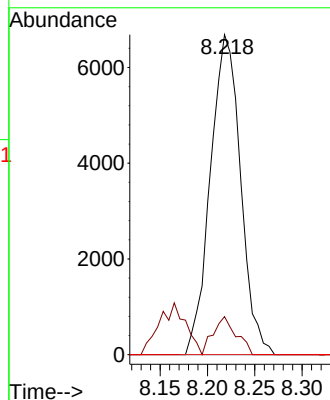
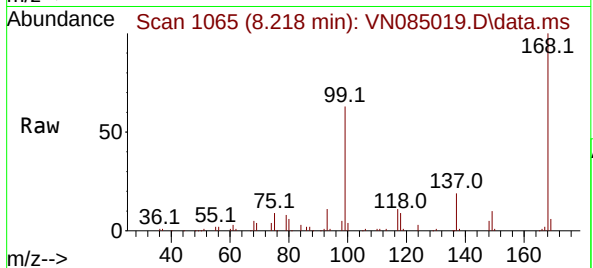
Tgt Ion: 75 Resp: 14845

Ion Ratio Lower Upper

75 100

110 9.1 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085019.D

Acq: 22 Nov 2024 20:29

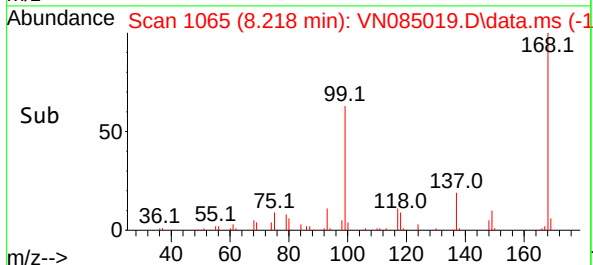
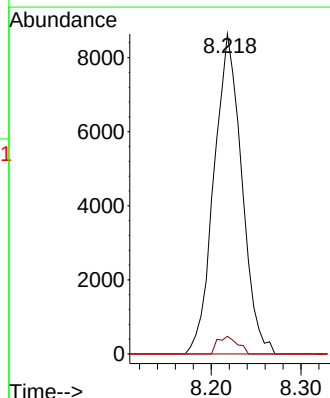
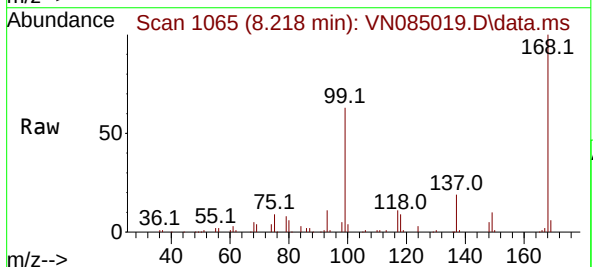
Tgt Ion: 117 Resp: 18578

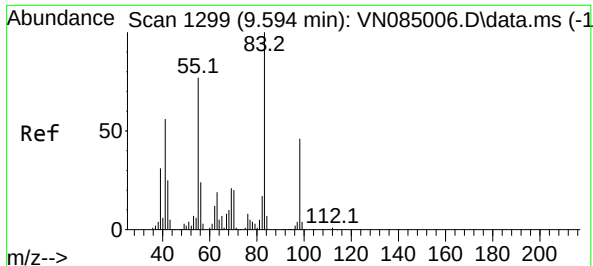
Ion Ratio Lower Upper

117 100

119 5.5 78.6 117.8#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.318 ug/l

RT: 9.341 min Scan# 1129

Delta R.T. -0.253 min

Lab File: VN085019.D

Acq: 22 Nov 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

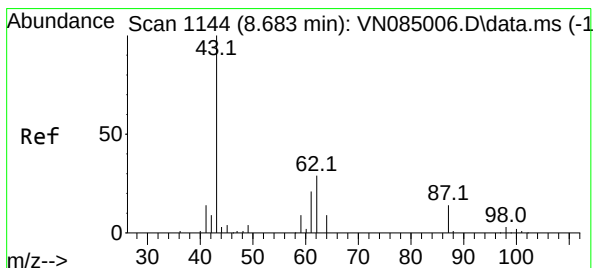
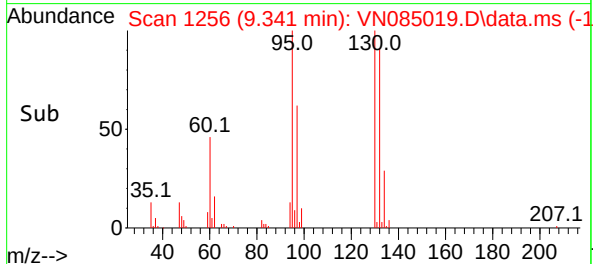
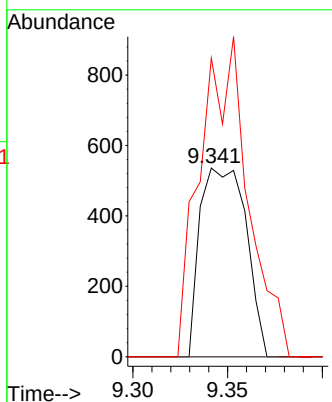
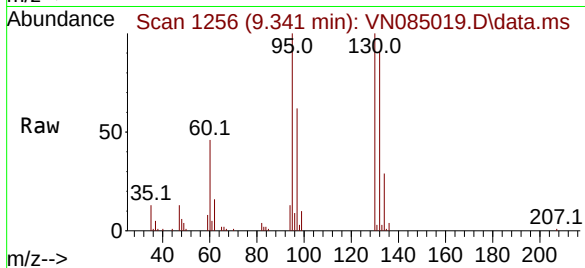
Tgt Ion: 83 Resp: 909

Ion Ratio Lower Upper

83 100

55 0.0 61.8 92.6#

98 158.2 37.0 55.6#



#43

Isopropyl Acetate

Concen: 0.462 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085019.D

Acq: 22 Nov 2024 20:29

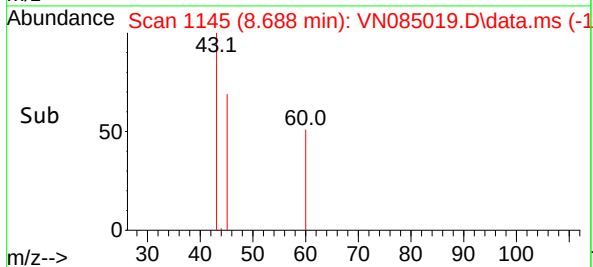
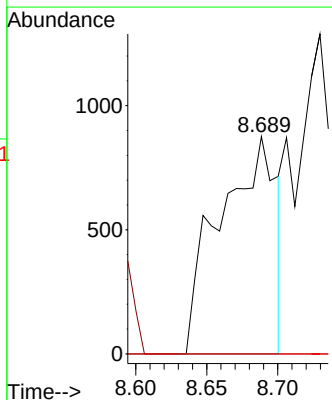
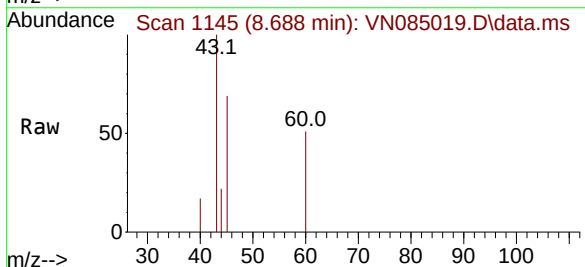
Tgt Ion: 43 Resp: 2401

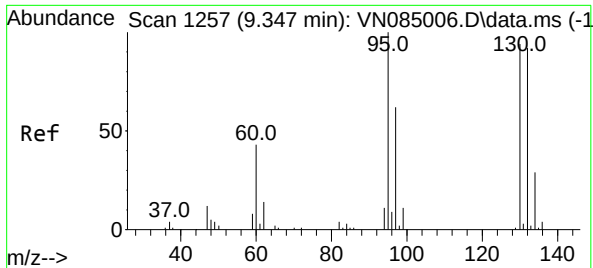
Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 11.0 16.4#

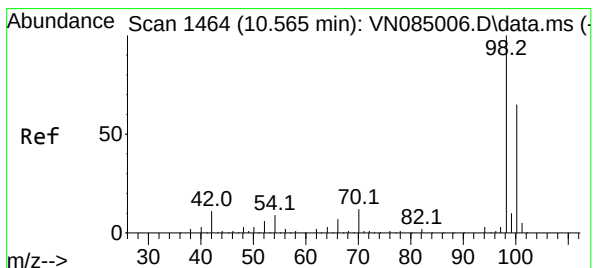
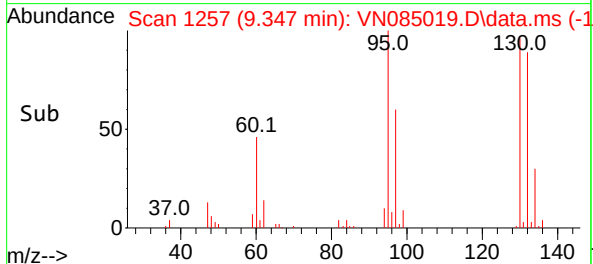
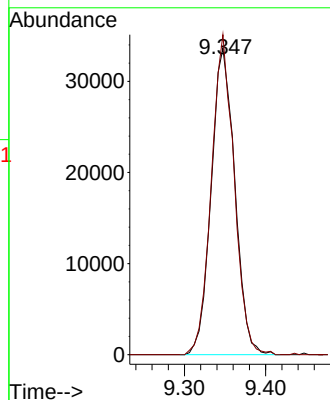
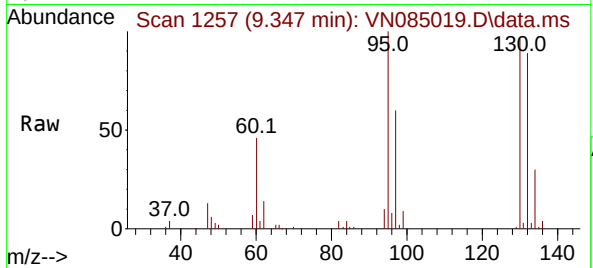




#44
Trichloroethene
Concen: 33.576 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

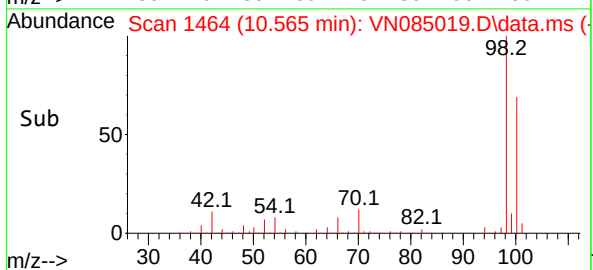
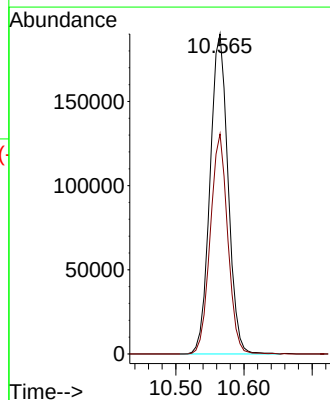
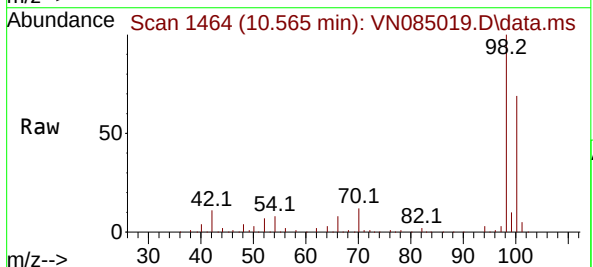
Instrument :
MSVOA_N
ClientSampleId :

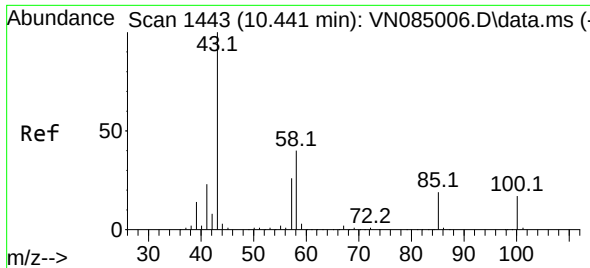
Tgt Ion:130 Resp: 67963
Ion Ratio Lower Upper
130 100
95 104.4 0.0 213.4



#50
Toluene-d8
Concen: 47.914 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 98 Resp: 349119
Ion Ratio Lower Upper
98 100
100 66.6 52.5 78.7

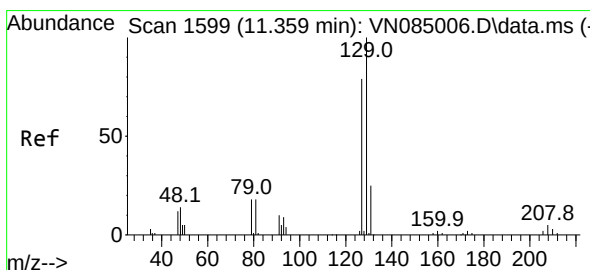
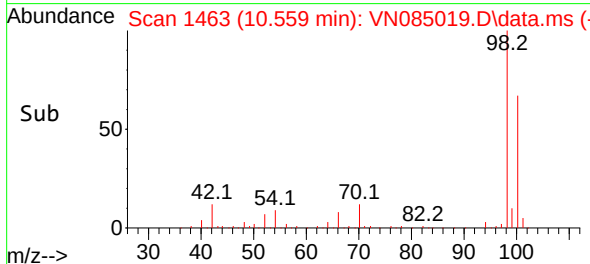
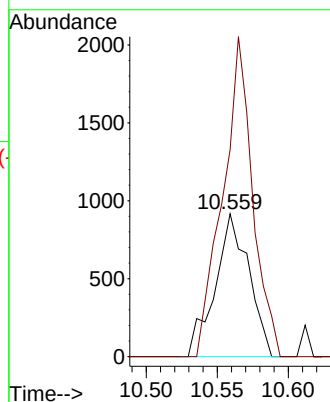
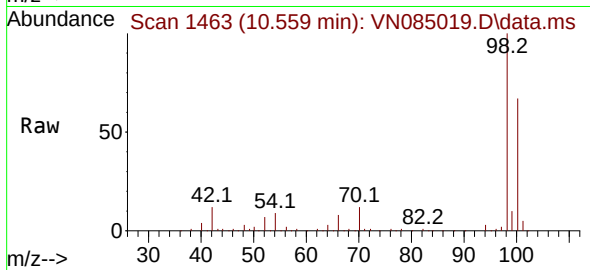




#51
4-Methyl-2-Pentanone
Concen: 0.637 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

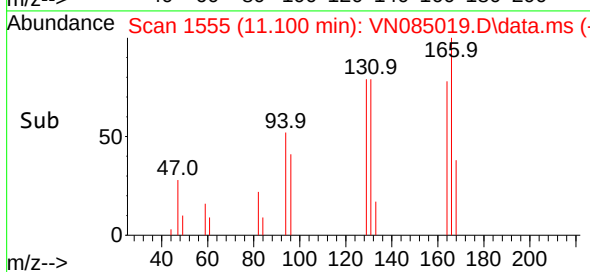
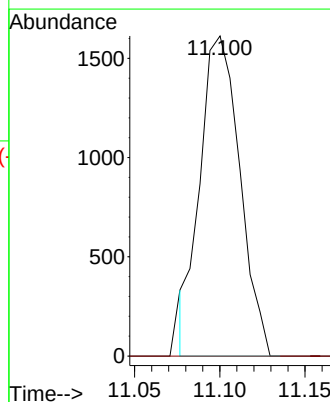
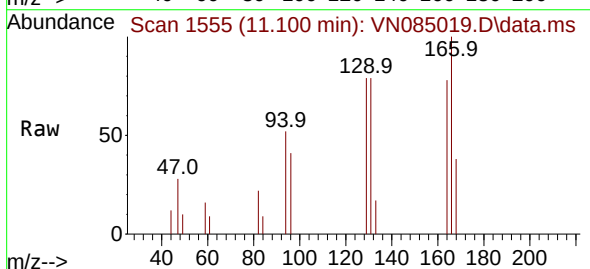
Instrument :
MSVOA_N
ClientSampleId :

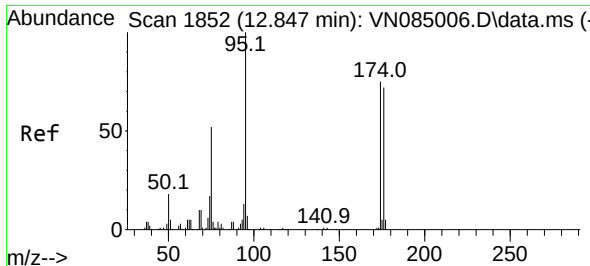
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
58 198.7 32.1 48.1#



#60
Dibromochloromethane
Concen: 1.118 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion: 129 Resp: 2625
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

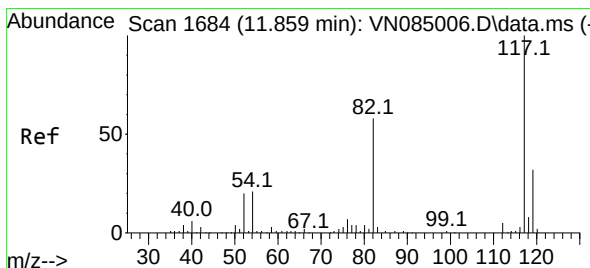
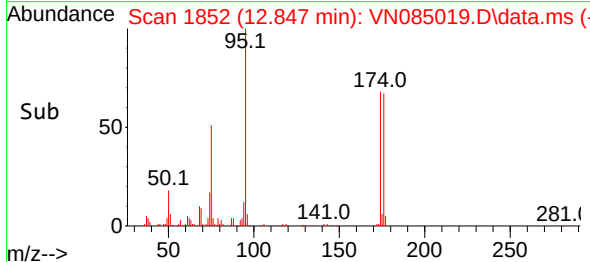
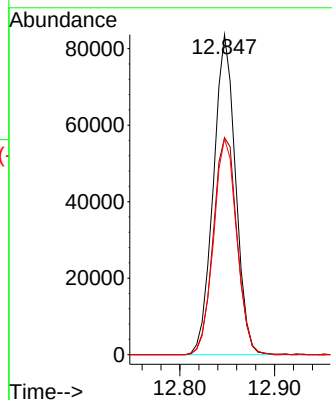
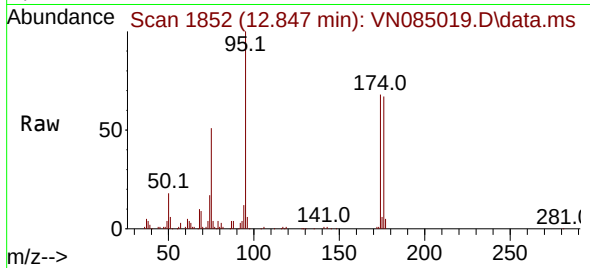




#62
4-Bromofluorobenzene
Concen: 49.836 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

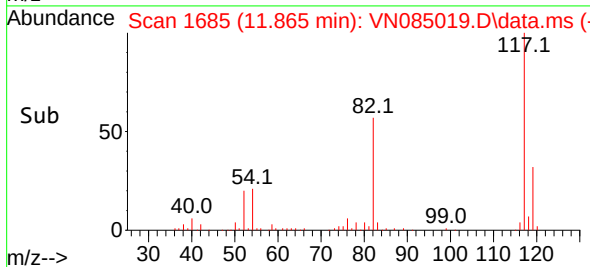
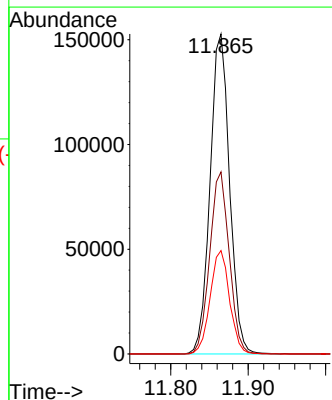
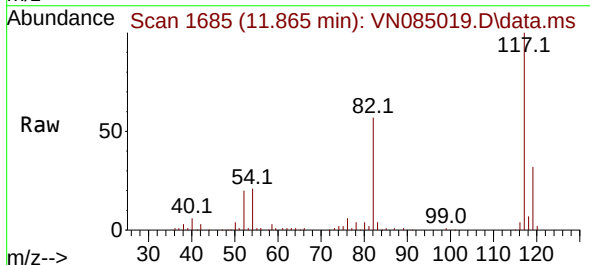
Instrument :
MSVOA_N
ClientSampleId :

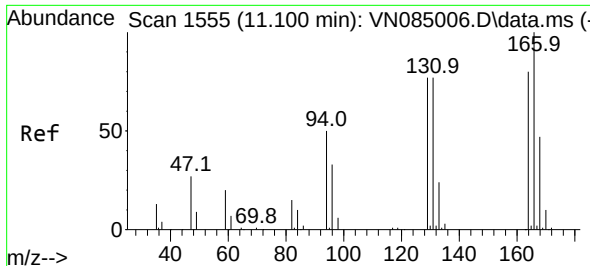
Tgt Ion: 95 Resp: 135797
Ion Ratio Lower Upper
95 100
174 73.0 0.0 146.6
176 70.7 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

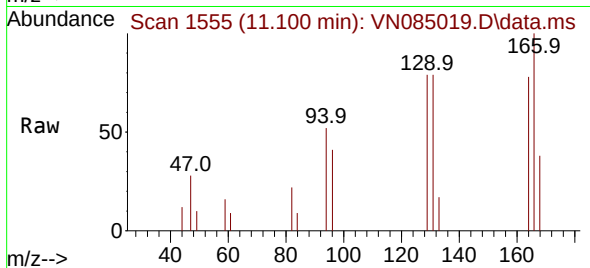
Tgt Ion: 117 Resp: 267127
Ion Ratio Lower Upper
117 100
82 56.9 46.0 69.0
119 32.3 25.6 38.4



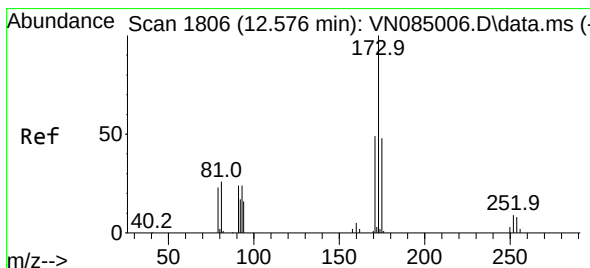
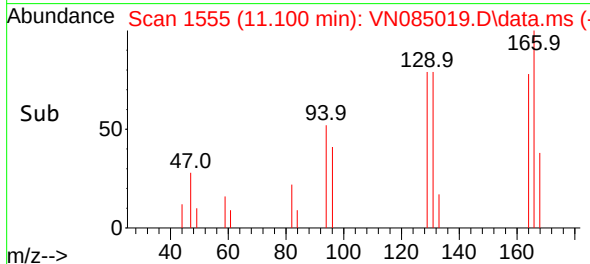
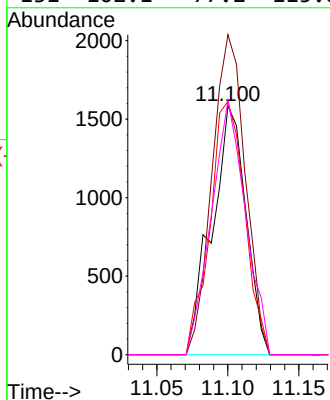


#64
Tetrachloroethene
Concen: 1.471 ug/l
RT: 11.100 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

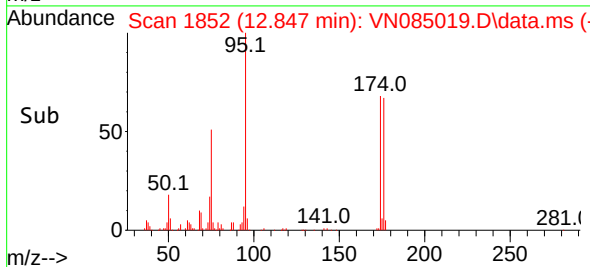
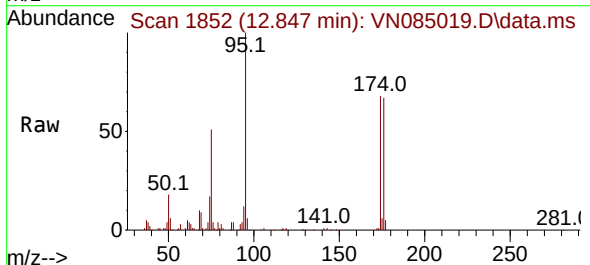
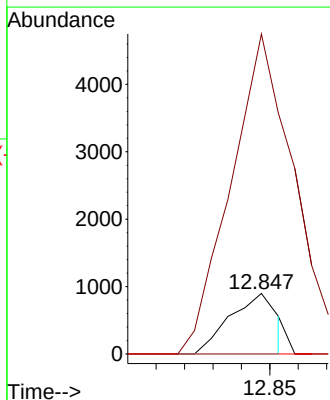


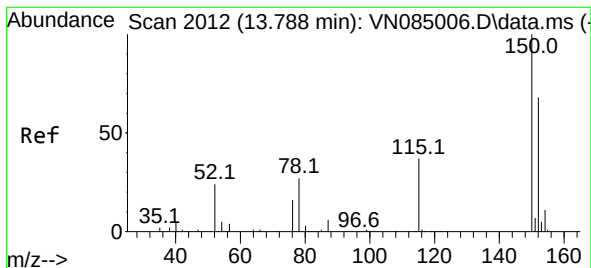
Tgt Ion:	164	Resp:	2648
Ion	Ratio	Lower	Upper
164	100		
166	128.6	100.6	151.0
129	101.8	77.7	116.5
131	102.1	77.2	115.8



#71
Bromoform
Concen: 0.654 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085019.D
Acq: 22 Nov 2024 20:29

Tgt Ion:	173	Resp:	1035
Ion	Ratio	Lower	Upper
173	100		
175	542.4	23.8	71.2#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN085019.D

Acq: 22 Nov 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

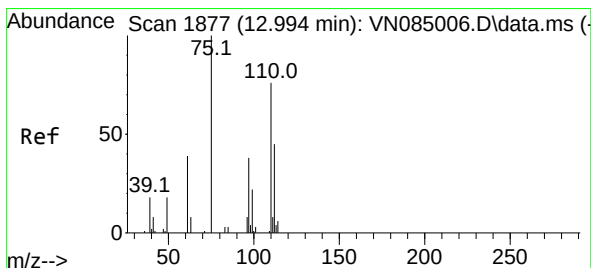
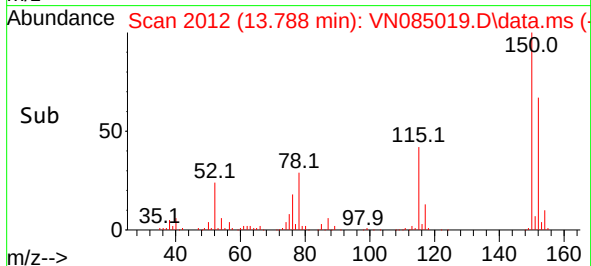
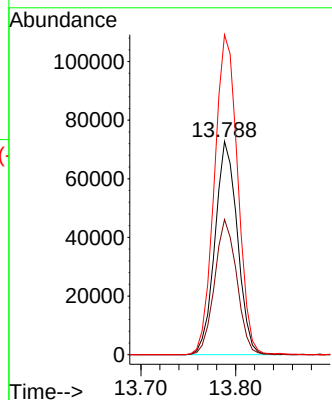
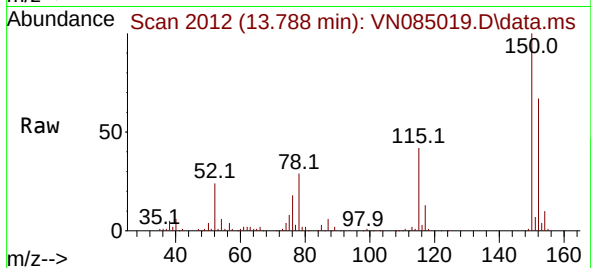
Tgt Ion:152 Resp: 119597

Ion Ratio Lower Upper

152 100

115 62.8 31.7 95.1

150 156.0 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 32.246 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085019.D

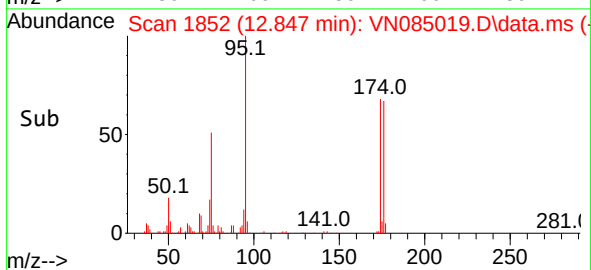
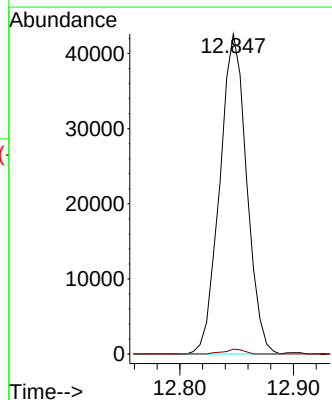
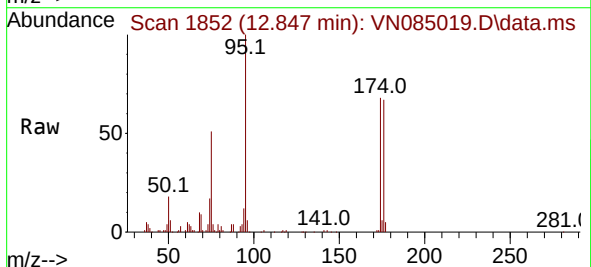
Acq: 22 Nov 2024 20:29

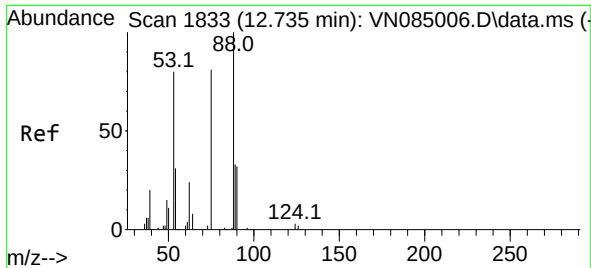
Tgt Ion: 75 Resp: 70147

Ion Ratio Lower Upper

75 100

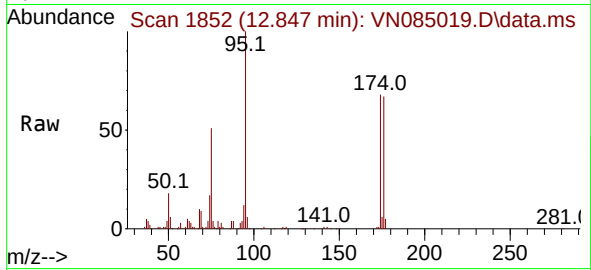
77 1.1 109.1 327.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.185 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085019.D
 Acq: 22 Nov 2024 20:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 70147
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 37.9 56.9#

