

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112522\
 Data File : VN075423.D
 Acq On : 25 Nov 2022 16:06
 Operator : JC\MD
 Sample : N5756-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 03:36:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

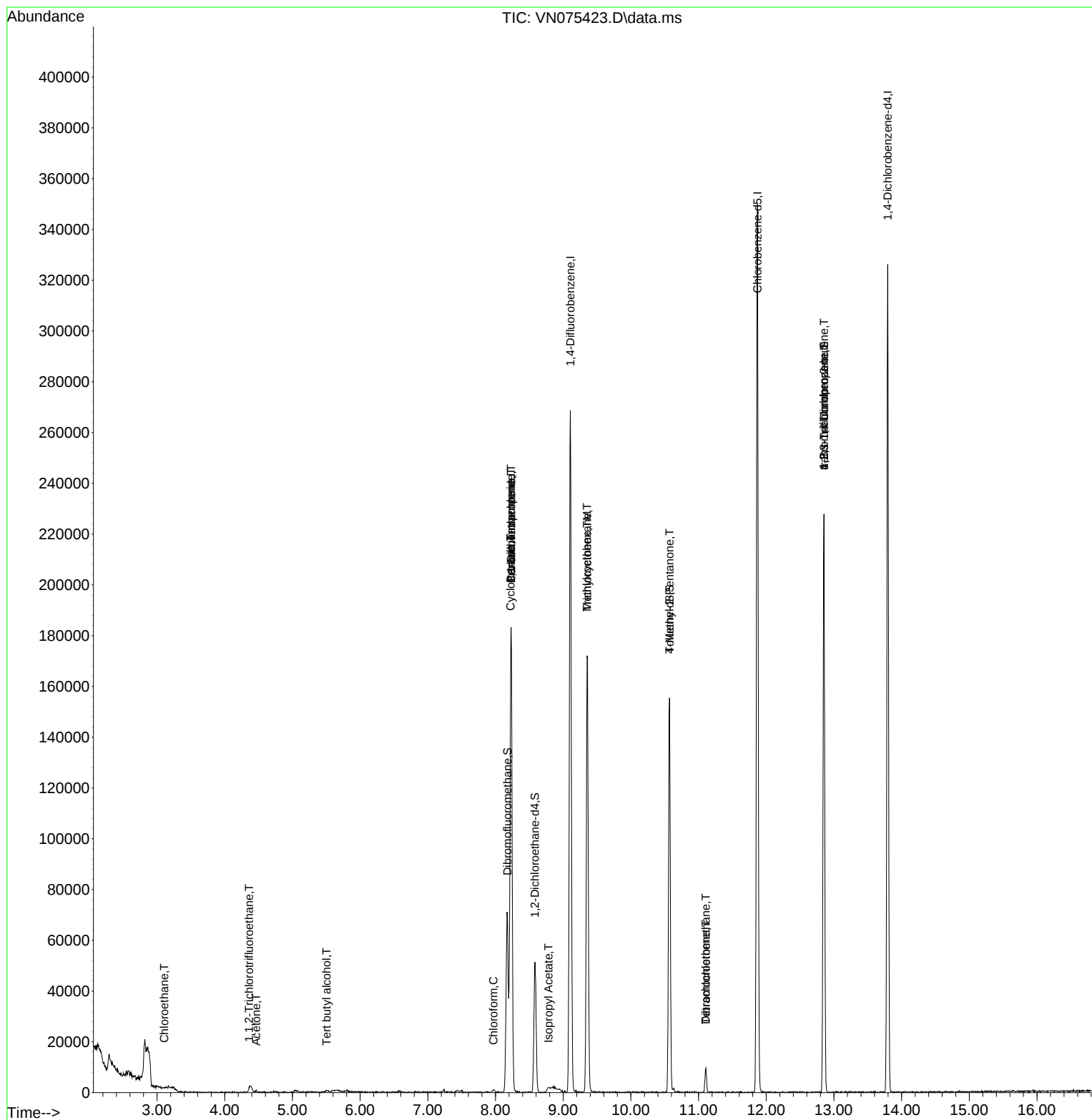
Internal Standards						
1) Pentafluorobenzene	8.230	168	143495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	217357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	42381	55.022	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.040%
35) Dibromofluoromethane	8.177	113	50525	50.840	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.680%
50) Toluene-d8	10.571	98	112438	50.233	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.460%
62) 4-Bromofluorobenzene	12.853	95	77309	46.794	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.580%
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	400	0.307	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.359	101	632	0.466	ug/l #	1
11) Tert butyl alcohol	5.506	59	113	0.349	ug/l #	72
16) Acetone	4.465	43	354	0.493	ug/l #	43
18) Methyl Acetate	5.047	43	1490	Below Cal	#	56
30) Chloroform	7.971	83	1062	0.367	ug/l	88
31) Cyclohexane	8.224	56	2833	1.158	ug/l #	6
36) 1,1-Dichloropropene	8.230	75	10444	4.819	ug/l #	48
38) Carbon Tetrachloride	8.230	117	13765	5.782	ug/l #	16
39) Methylcyclohexane	9.353	83	706	0.260	ug/l #	1
43) Isopropyl Acetate	8.782	43	1138	0.363	ug/l #	53
44) Trichloroethene	9.353	130	64816	35.699	ug/l	94
51) 4-Methyl-2-Pentanone	10.571	43	528	0.265	ug/l #	1
60) Dibromochloromethane	11.106	129	2264	1.266	ug/l #	11
64) Tetrachloroethene	11.106	164	2376	1.431	ug/l #	79
76) 1,2,3-Trichloropropane	12.853	75	38953	22.801	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	38953	67.463	ug/l #	10

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

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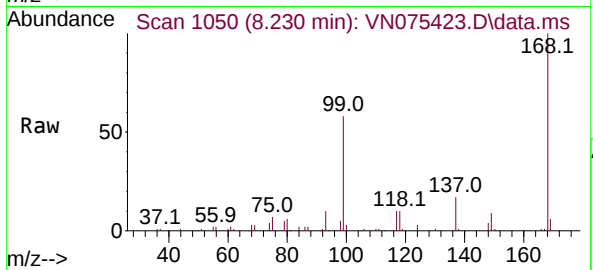
Quant Time: Nov 28 03:36:47 2022
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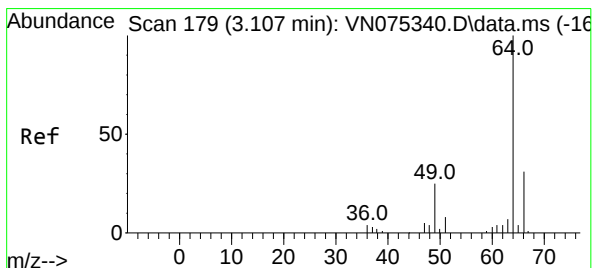
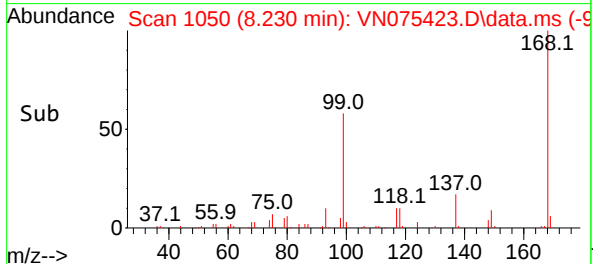
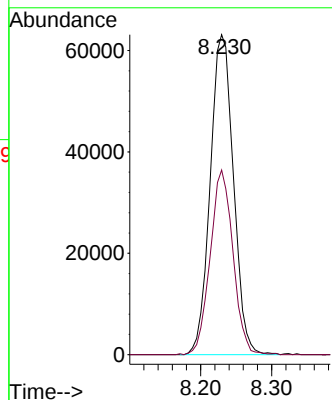


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

Instrument :
MSVOA_N
ClientSampleId :

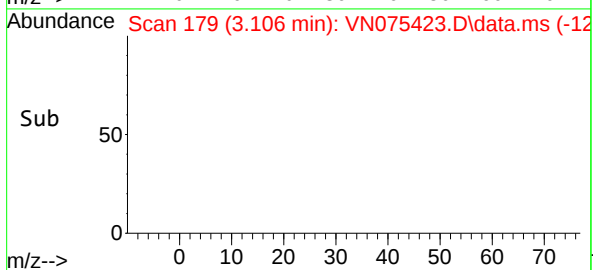
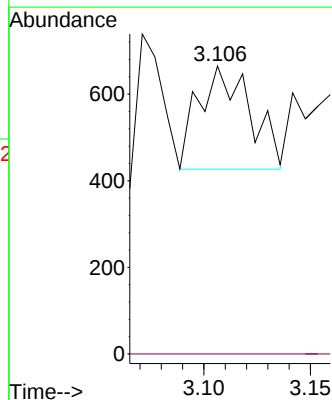
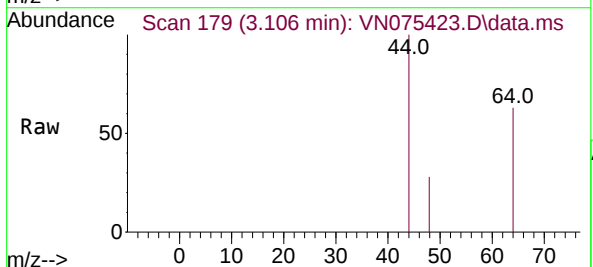


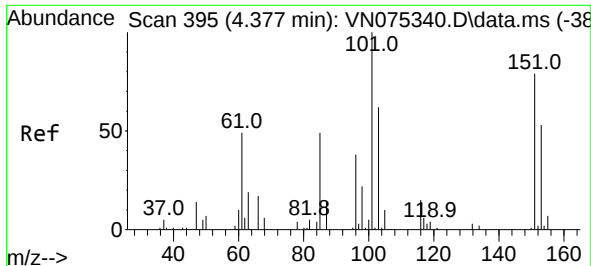
Tgt Ion:168 Resp: 143495
Ion Ratio Lower Upper
168 100
99 57.7 51.6 77.4



#6
Chloroethane
Concen: 0.307 ug/l
RT: 3.106 min Scan# 179
Delta R.T. -0.001 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

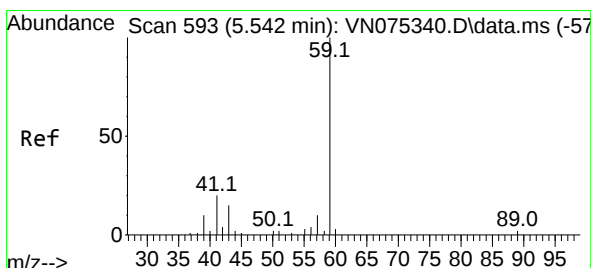
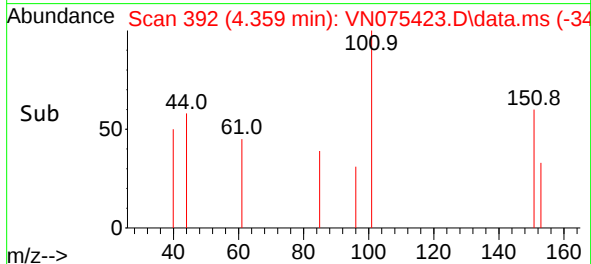
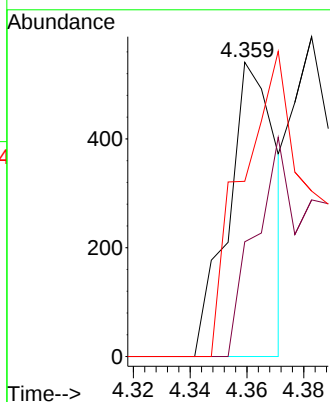
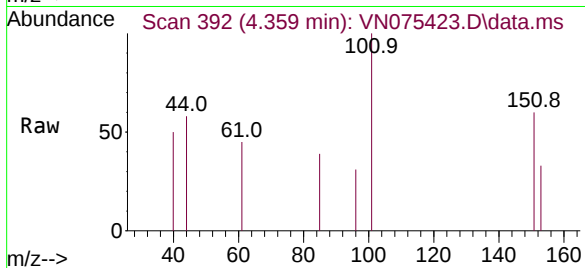




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.466 ug/l
RT: 4.359 min Scan# 395
Delta R.T. -0.018 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

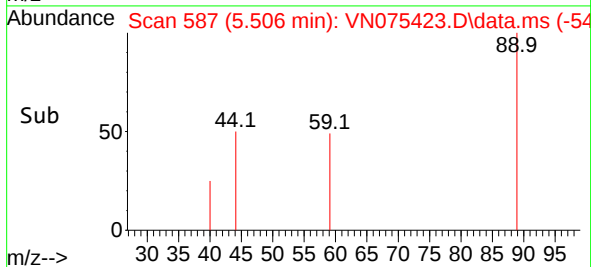
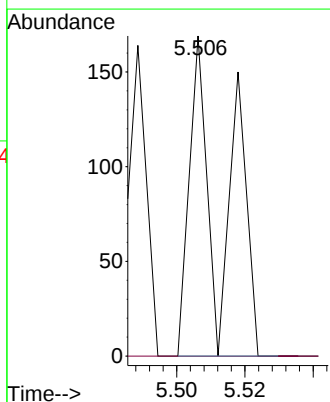
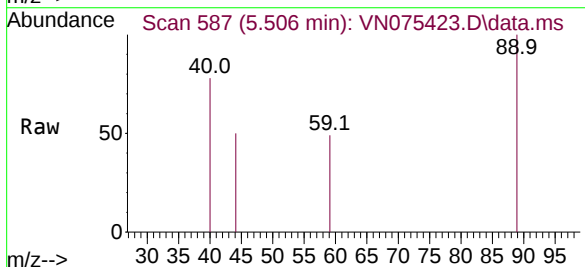
Instrument :
MSVOA_N
ClientSampleId :

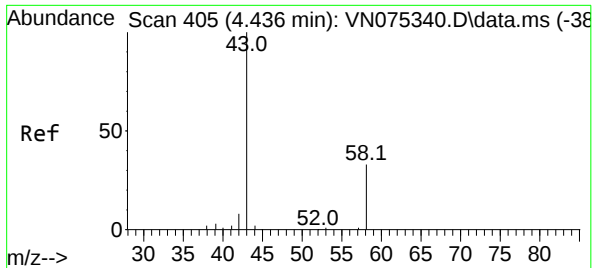
Tgt Ion:101 Resp: 632
Ion Ratio Lower Upper
101 100
85 91.3 37.6 56.4#
151 196.4 58.3 87.5#



#11
Tert butyl alcohol
Concen: 0.349 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.493 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.029 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

Instrument :

MSVOA_N

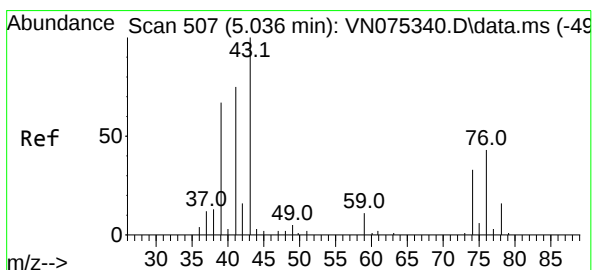
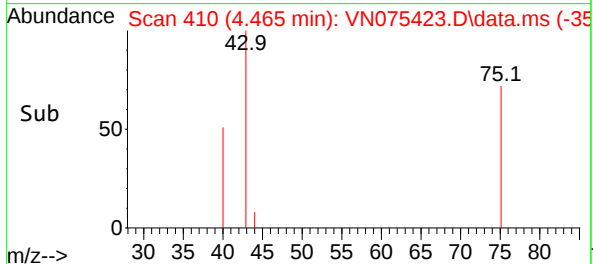
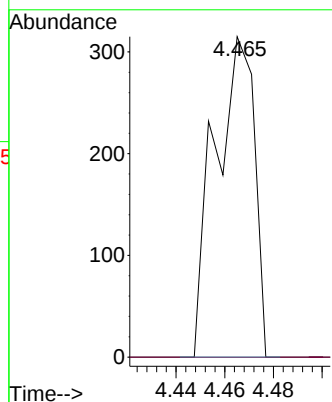
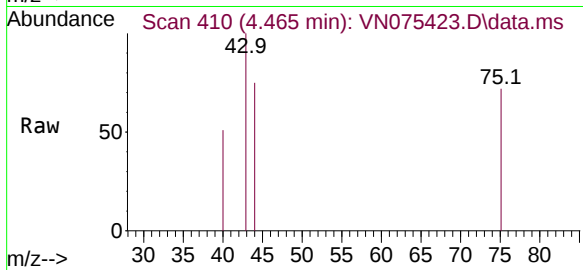
ClientSampleId :

Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

58 0.0 25.5 38.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.047 min Scan# 509

Delta R.T. 0.011 min

Lab File: VN075423.D

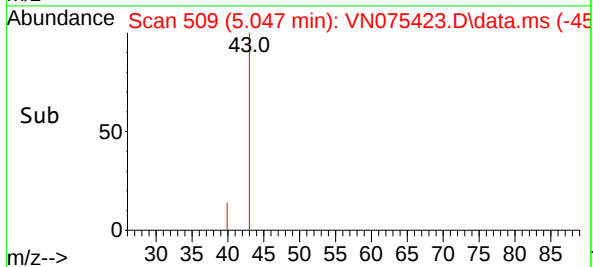
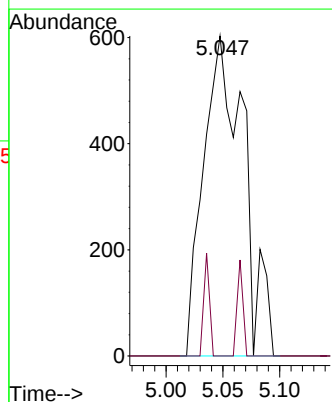
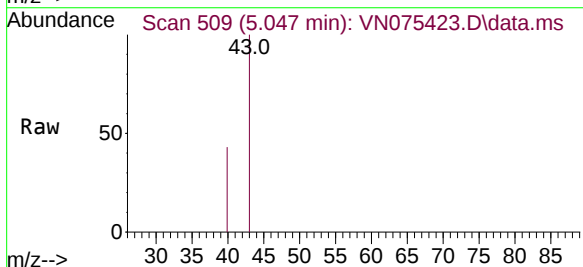
Acq: 25 Nov 2022 16:06

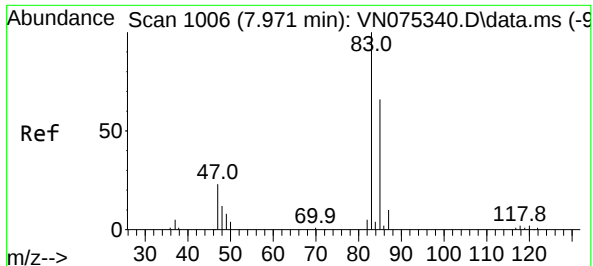
Tgt Ion: 43 Resp: 1490

Ion Ratio Lower Upper

43 100

74 4.6 22.0 33.0#





#30

Chloroform

Concen: 0.367 ug/l

RT: 7.971 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

Instrument :

MSVOA_N

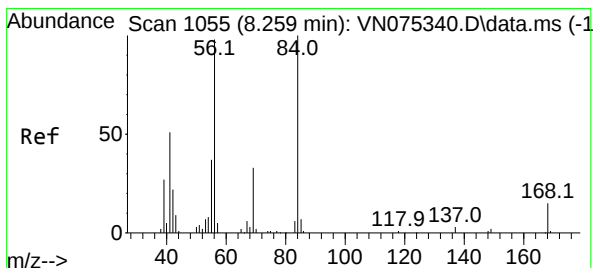
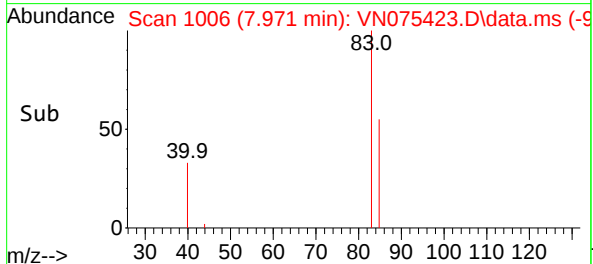
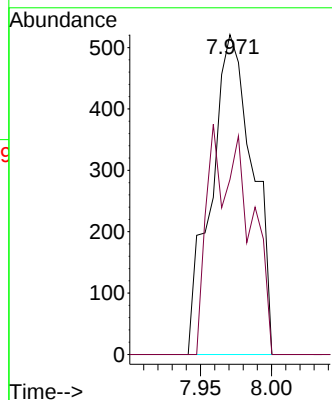
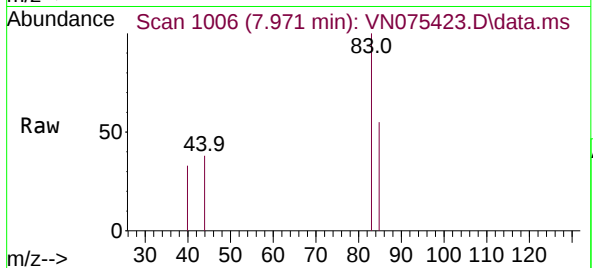
ClientSampleId :

Tgt Ion: 83 Resp: 1062

Ion Ratio Lower Upper

83 100

85 54.7 51.4 77.0



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

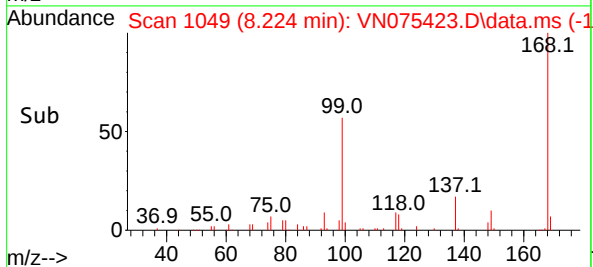
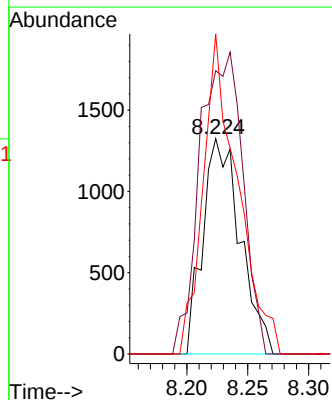
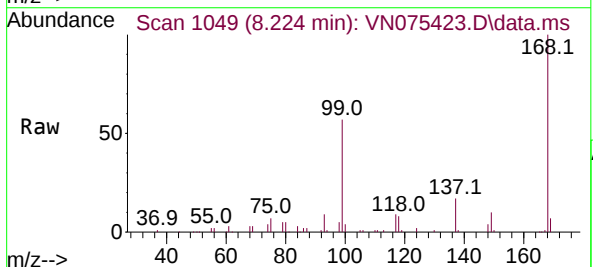
Tgt Ion: 56 Resp: 2833

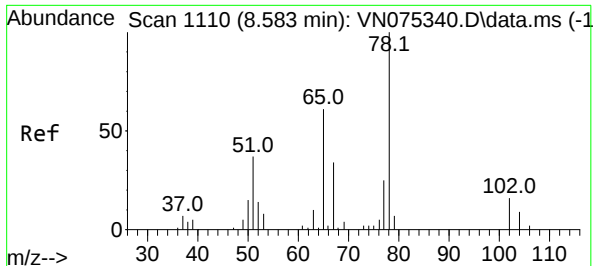
Ion Ratio Lower Upper

56 100

69 131.5 25.2 37.8#

84 162.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 55.022 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

Instrument :

MSVOA_N

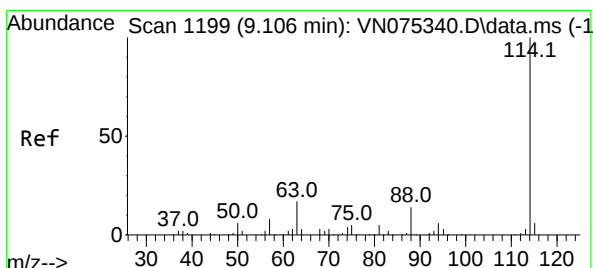
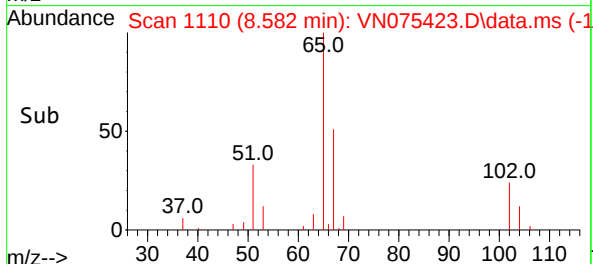
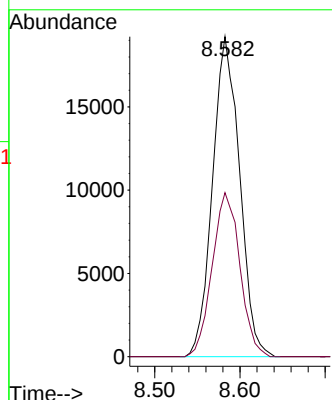
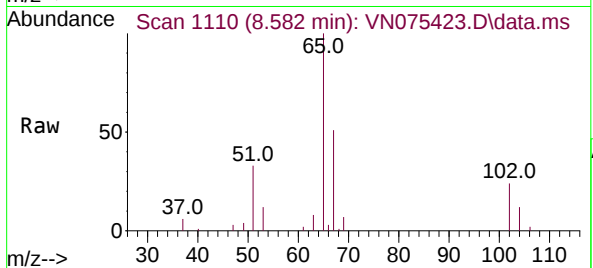
ClientSampleId :

Tgt Ion: 65 Resp: 42381

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

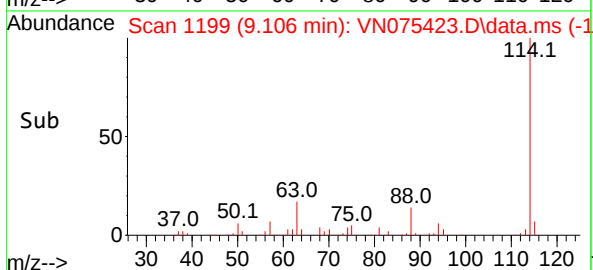
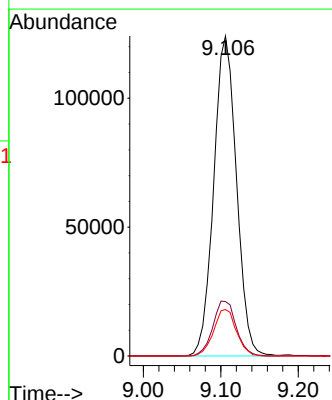
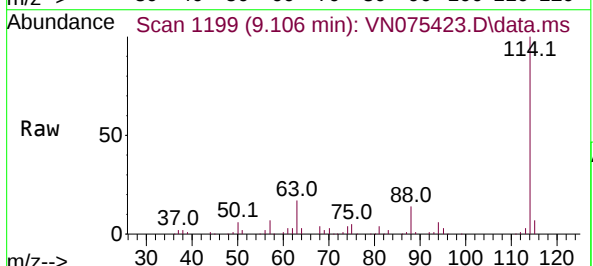
Tgt Ion: 114 Resp: 252983

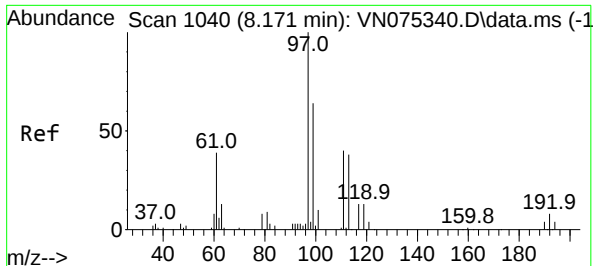
Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.840 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

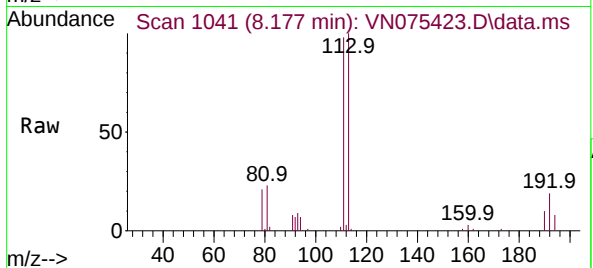
Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

Instrument :

MSVOA_N

ClientSampleId :



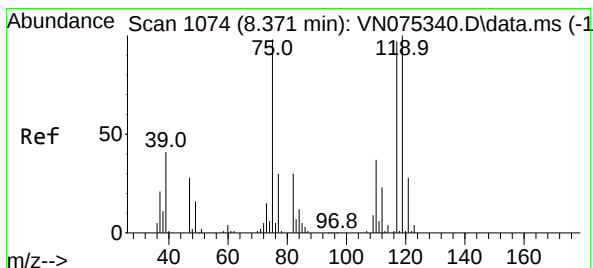
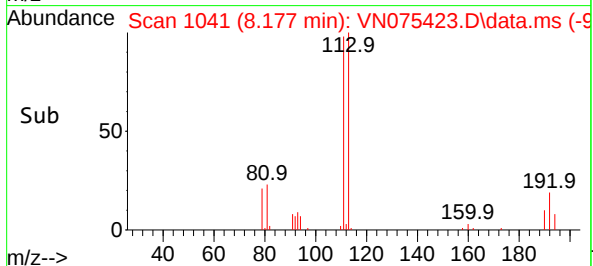
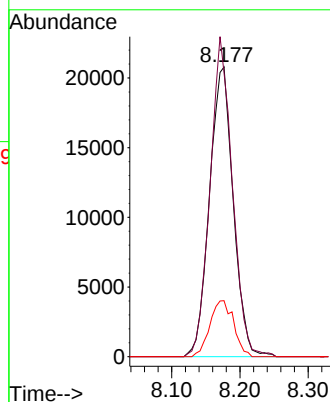
Tgt Ion:113 Resp: 50525

Ion Ratio Lower Upper

113 100

111 103.6 80.5 120.7

192 19.3 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

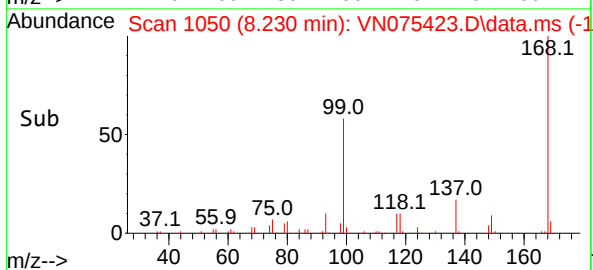
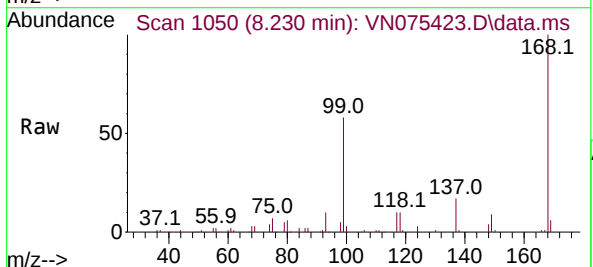
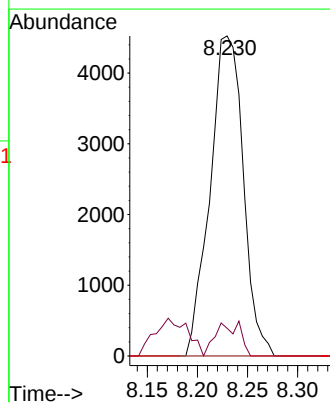
Tgt Ion: 75 Resp: 10444

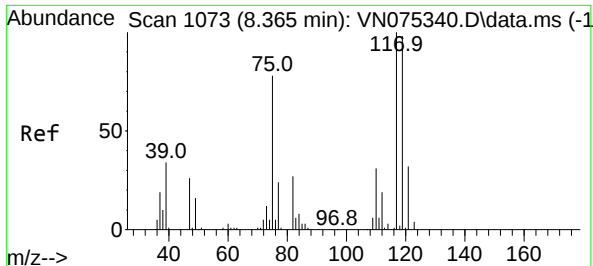
Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.3#

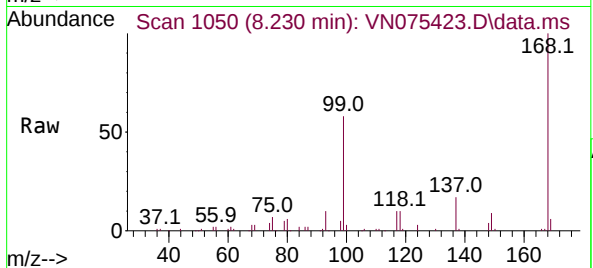
77 0.0 24.6 37.0#



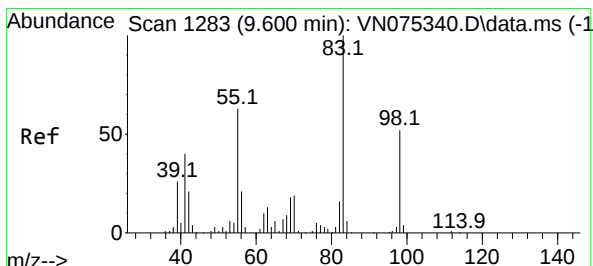
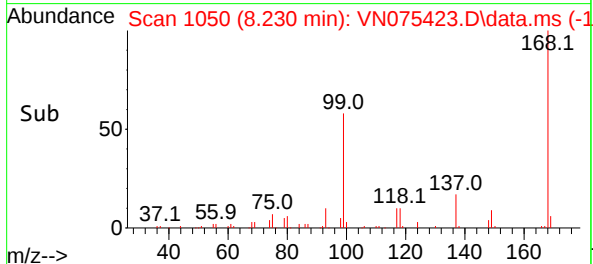
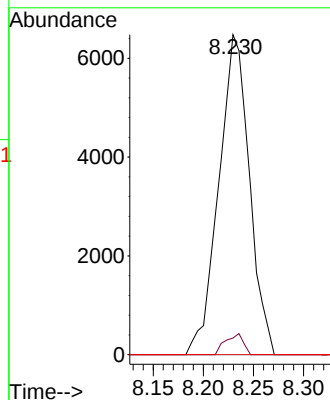


#38
Carbon Tetrachloride
Concen: 5.782 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

Instrument :
MSVOA_N
ClientSampleId :

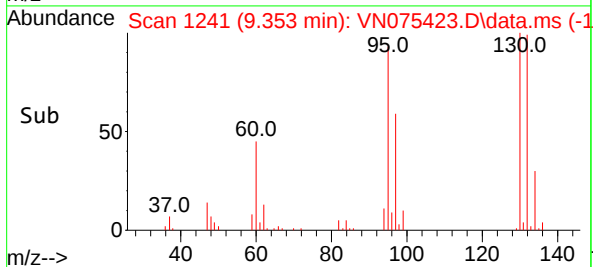
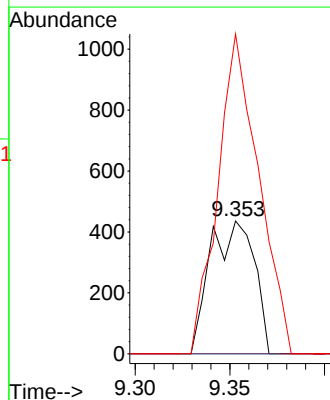
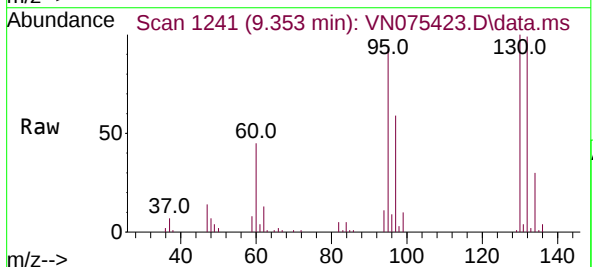


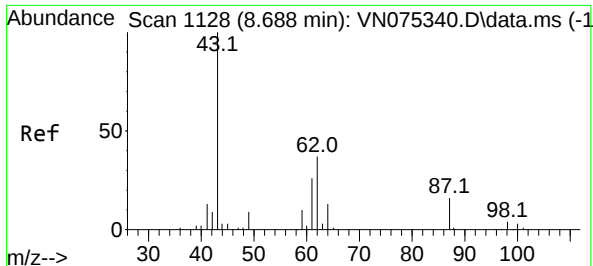
Tgt Ion:117 Resp: 13765
Ion Ratio Lower Upper
117 100
119 5.2 76.7 115.1#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 0.260 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.247 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

Tgt Ion: 83 Resp: 706
Ion Ratio Lower Upper
83 100
55 0.0 53.6 80.4#
98 240.8 41.1 61.7#





#43

Isopropyl Acetate

Concen: 0.363 ug/l

RT: 8.782 min Scan# 1144

Delta R.T. 0.094 min

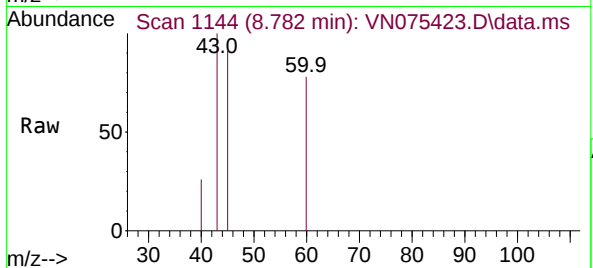
Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

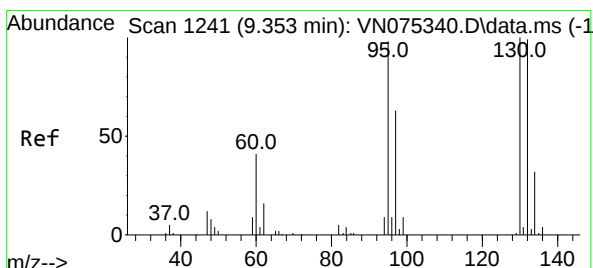
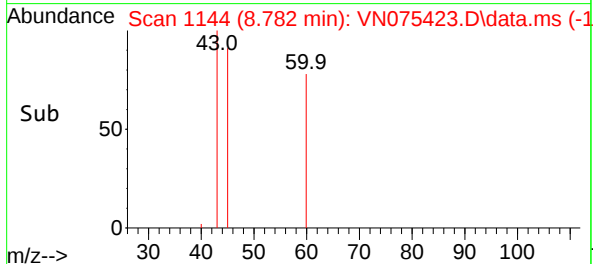
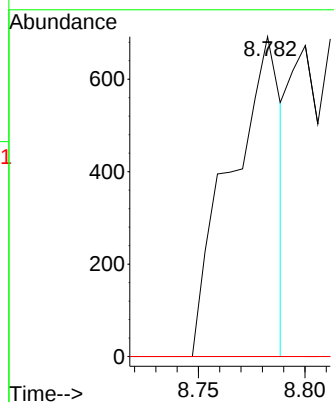
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 1138
Ion Ratio	Lower Upper
43	100
61	0.0 22.4 33.6#
87	0.0 12.5 18.7#



#44

Trichloroethene

Concen: 35.699 ug/l

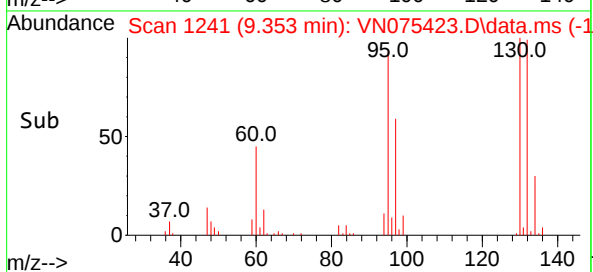
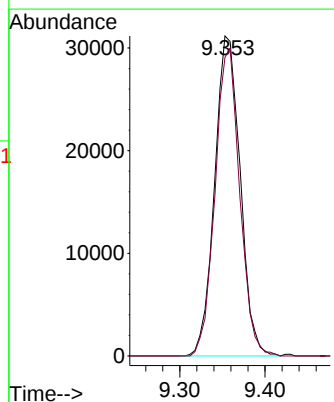
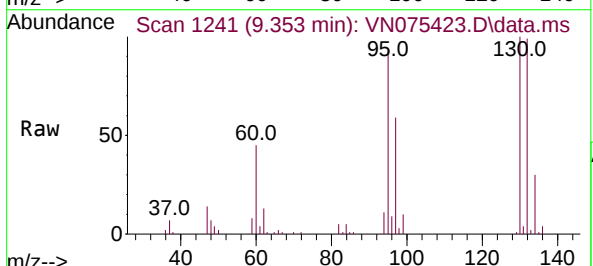
RT: 9.353 min Scan# 1241

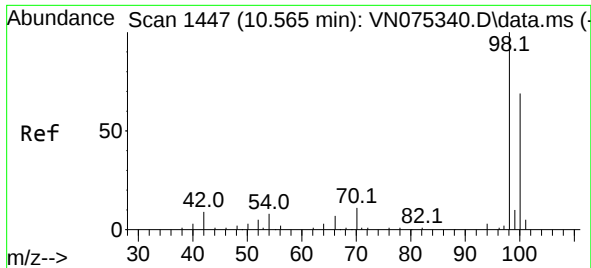
Delta R.T. 0.000 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

Tgt Ion: 130	Resp: 64816
Ion Ratio	Lower Upper
130	100
95	93.4 0.0 198.4

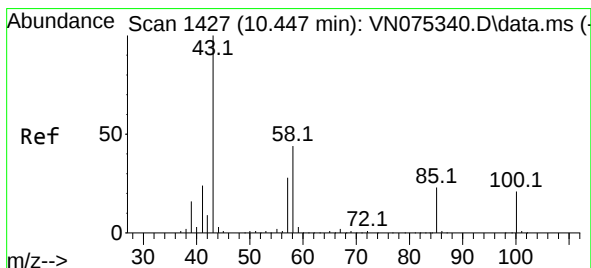
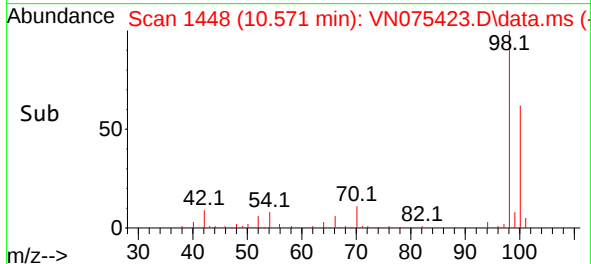
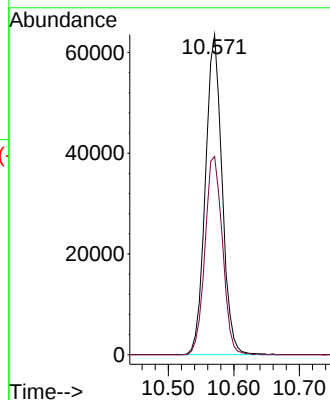
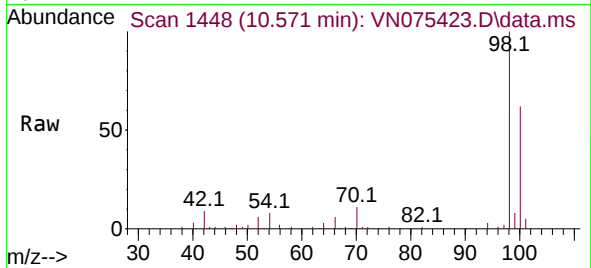




#50
Toluene-d8
Concen: 50.233 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

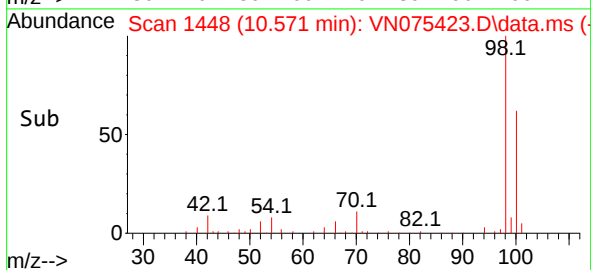
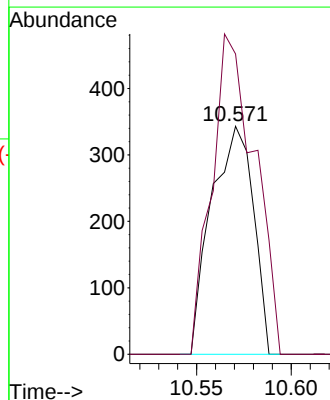
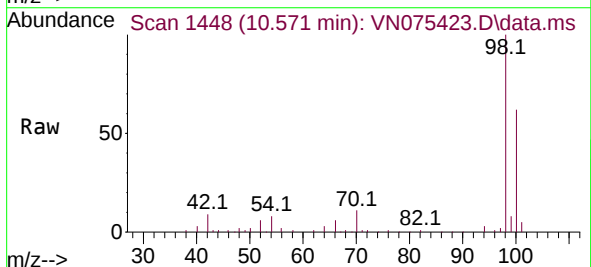
Instrument :
MSVOA_N
ClientSampleId :

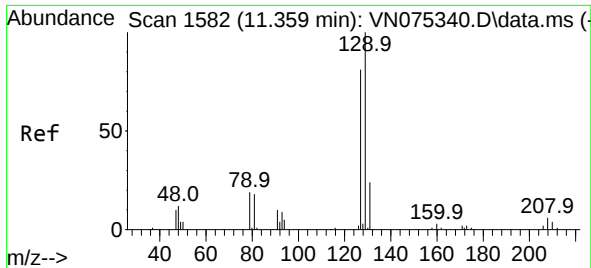
Tgt Ion: 98 Resp: 112438
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.265 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 143.6 33.6 50.4#

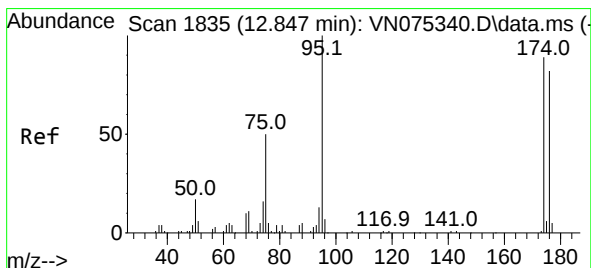
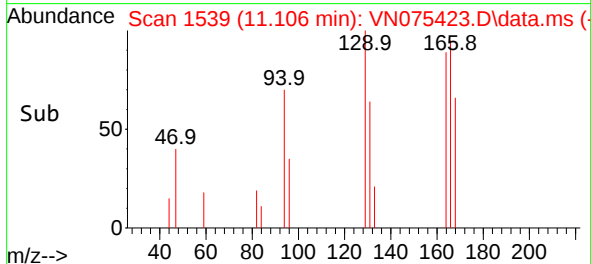
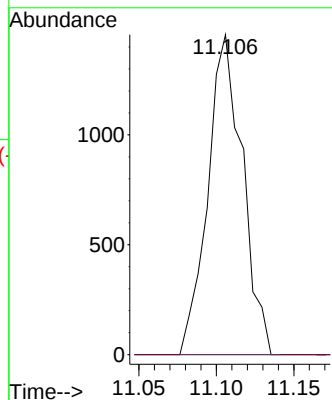
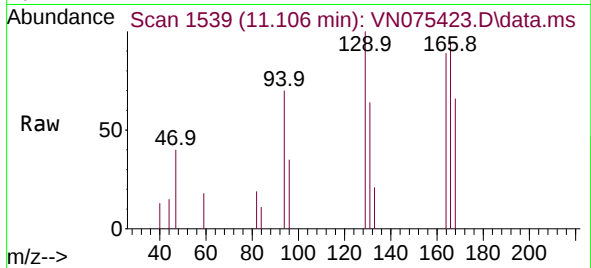




#60
Dibromochloromethane
Concen: 1.266 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

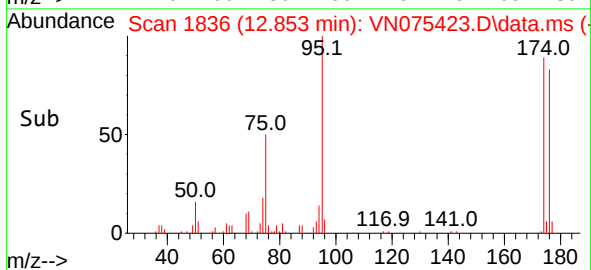
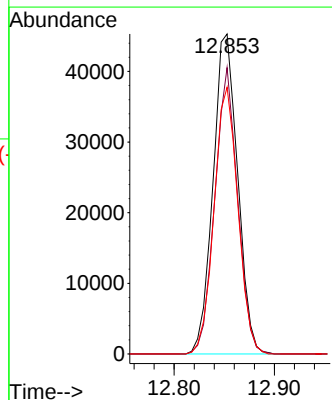
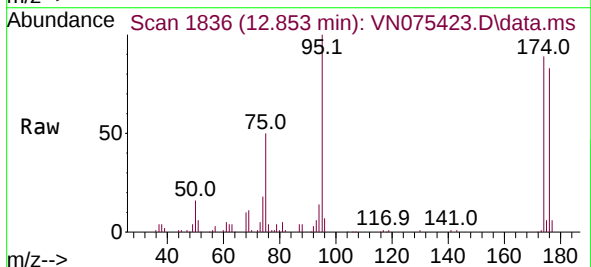
Instrument :
MSVOA_N
ClientSampleId :

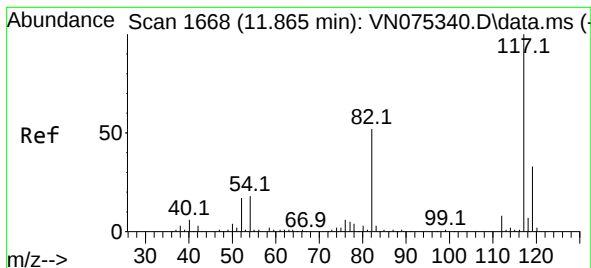
Tgt Ion:129 Resp: 2264
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 46.794 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075423.D
Acq: 25 Nov 2022 16:06

Tgt Ion: 95 Resp: 77309
Ion Ratio Lower Upper
95 100
174 82.6 0.0 147.4
176 80.7 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

Instrument :

MSVOA_N

ClientSampleId :

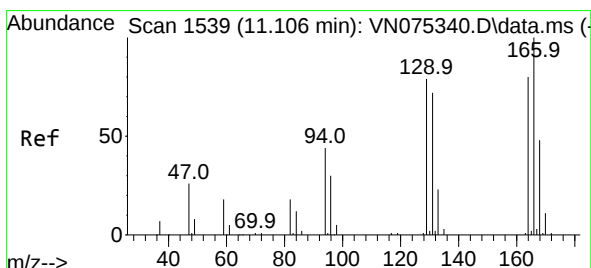
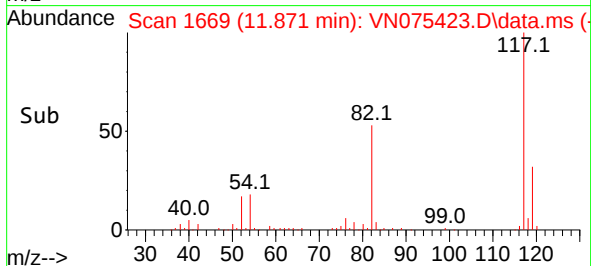
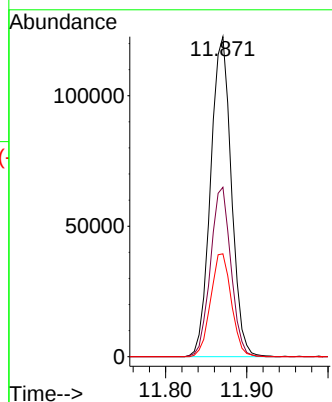
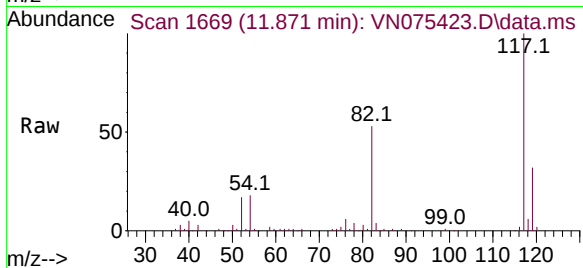
Tgt Ion:117 Resp: 217357

Ion Ratio Lower Upper

117 100

82 52.9 43.1 64.7

119 32.1 25.5 38.3



#64

Tetrachloroethene

Concen: 1.431 ug/l

RT: 11.106 min Scan# 1539

Delta R.T. -0.000 min

Lab File: VN075423.D

Acq: 25 Nov 2022 16:06

Tgt Ion:164 Resp: 2376

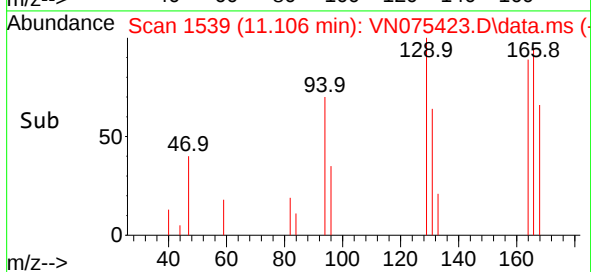
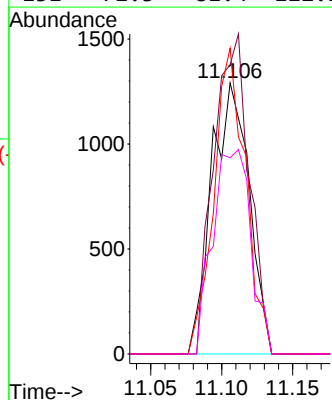
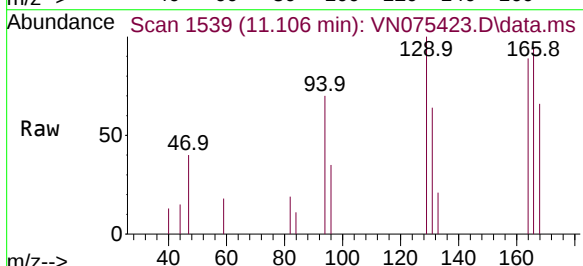
Ion Ratio Lower Upper

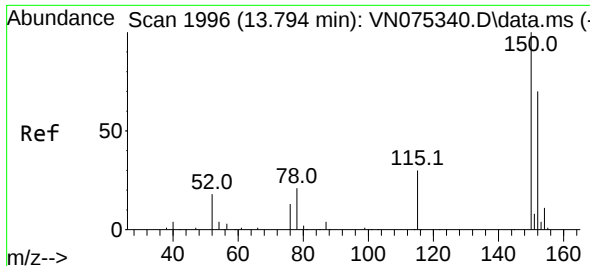
164 100

166 106.7 106.5 159.7

129 112.8 81.9 122.9

131 72.3 81.4 122.2#

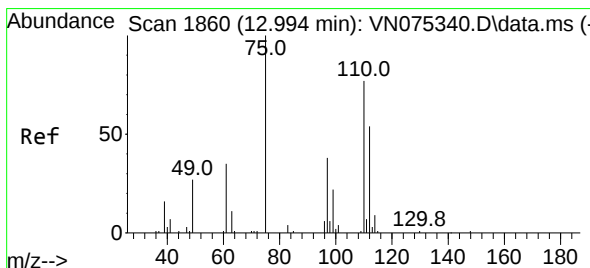
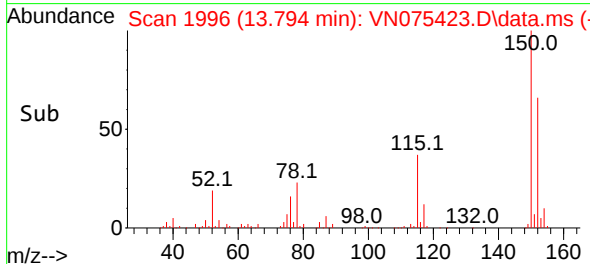
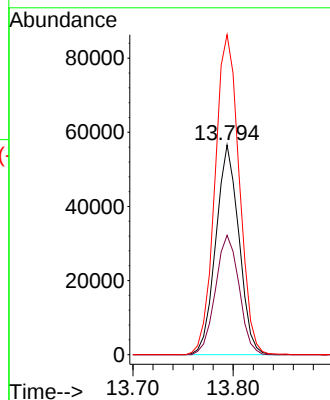
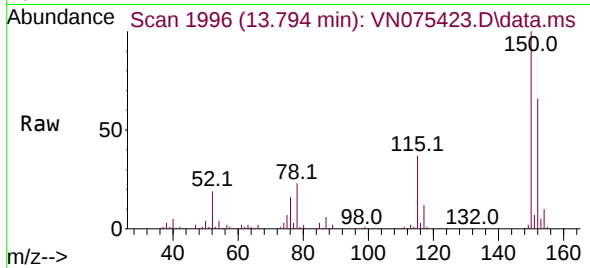




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075423.D
 Acq: 25 Nov 2022 16:06

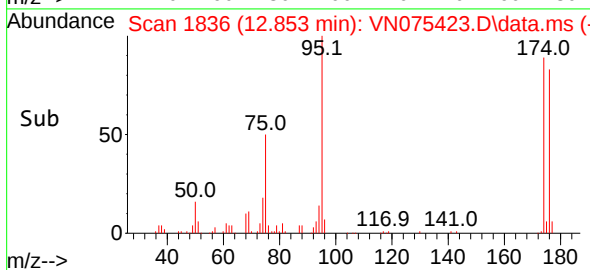
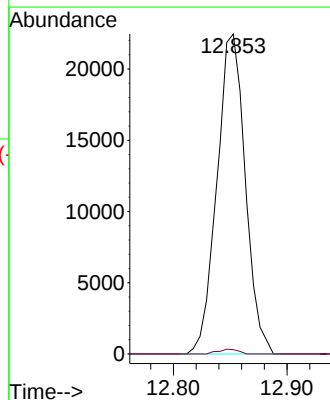
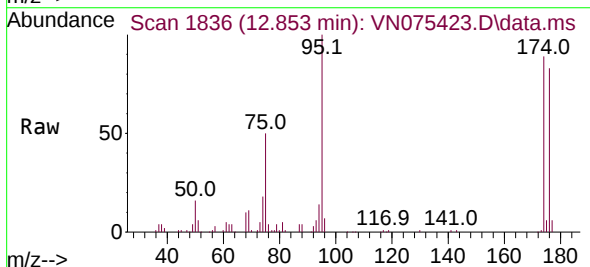
Instrument :
 MSVOA_N
 ClientSampleId :

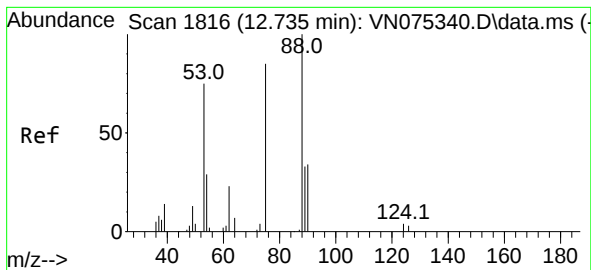
Tgt Ion:152 Resp: 90356
 Ion Ratio Lower Upper
 152 100
 115 58.2 30.2 90.6
 150 160.4 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 22.801 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075423.D
 Acq: 25 Nov 2022 16:06

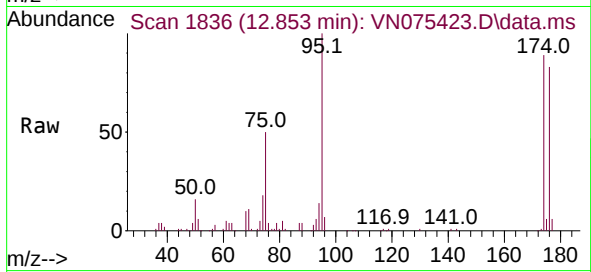
Tgt Ion: 75 Resp: 38953
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.463 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075423.D
 Acq: 25 Nov 2022 16:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 38953
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

