

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075221.D
 Acq On : 09 Nov 2022 16:41
 Operator : JC\MD
 Sample : PB148908ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 02:44:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

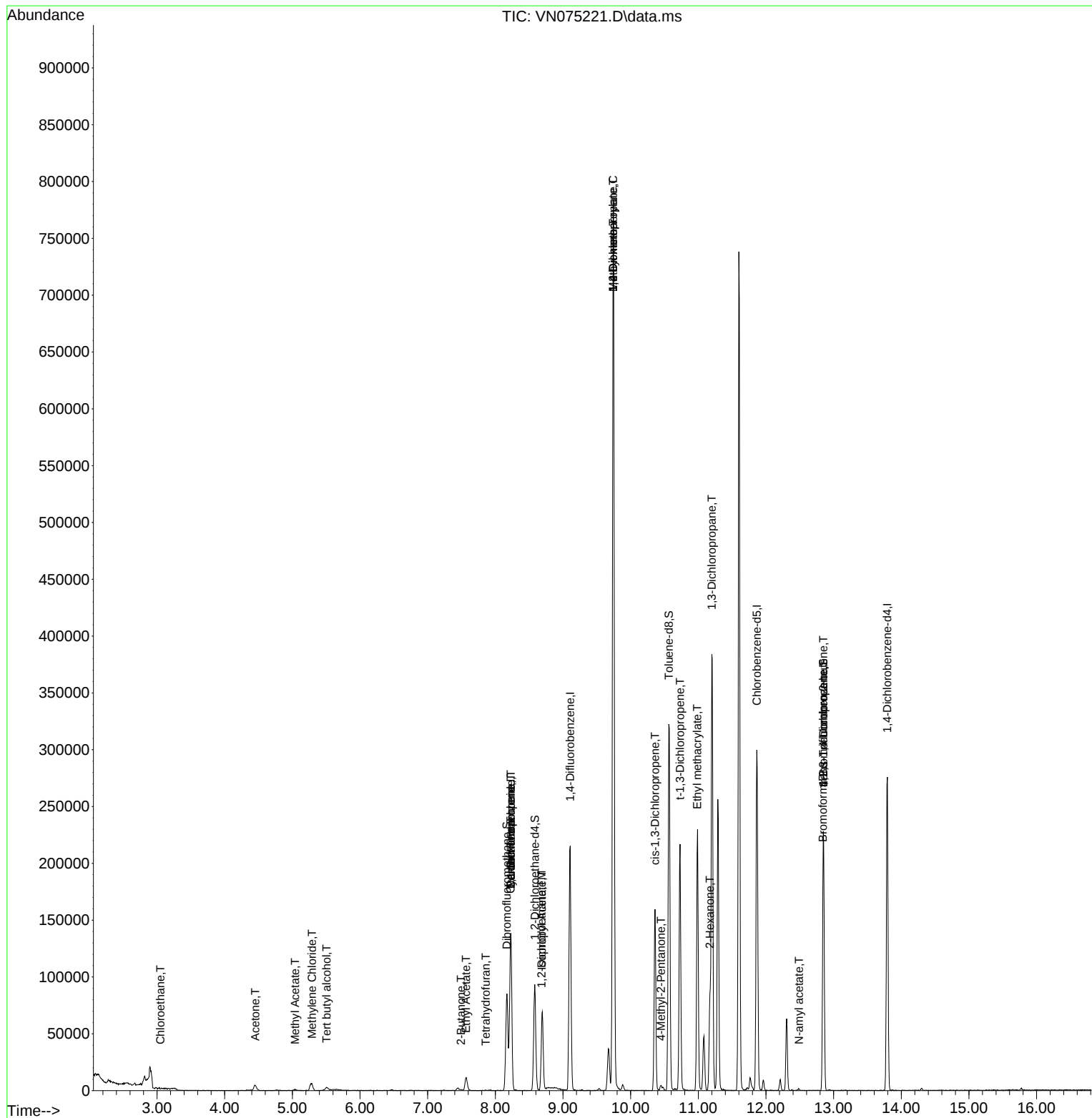
Internal Standards						
1) Pentafluorobenzene	8.230	168	99190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	191452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	182612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75570	56.545	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.080%	
35) Dibromofluoromethane	8.171	113	61522	54.739	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.480%	
50) Toluene-d8	10.565	98	230248	52.803	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.600%	
62) 4-Bromofluorobenzene	12.847	95	80854	52.785	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.560%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.912	94	301	Below Cal	#	5
6) Chloroethane	3.048	64	385	0.275	ug/l #	45
11) Tert butyl alcohol	5.506	59	1811	5.811	ug/l #	72
16) Acetone	4.453	43	8834	15.611	ug/l	93
18) Methyl Acetate	5.042	43	2116	1.145	ug/l #	70
20) Methylene Chloride	5.289	84	5599	4.438	ug/l	92
25) 2-Butanone	7.494	43	1202	1.350	ug/l	100
29) Tetrahydrofuran	7.859	42	517	0.899	ug/l #	26
31) Cyclohexane	8.224	56	2232	1.123	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	8296	4.768	ug/l #	49
37) Ethyl Acetate	7.565	43	17210	9.019	ug/l	99
38) Carbon Tetrachloride	8.230	117	11143	5.822	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	476	0.246	ug/l #	75
43) Isopropyl Acetate	8.688	43	74180	25.061	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	994	0.784	ug/l #	42
48) Methyl methacrylate	9.741	41	72326	53.268	ug/l #	34
49) 1,4-Dioxane	9.741	88	56	1.575	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	2700	1.414	ug/l	93
53) t-1,3-Dichloropropene	10.729	75	540	0.267	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31605	14.758	ug/l #	63
56) Ethyl methacrylate	10.982	69	707	0.328	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4590	1.952	ug/l #	42
59) 2-Hexanone	11.171	43	65104	44.909	ug/l #	21
71) Bromoform	12.841	173	593	0.548	ug/l #	1
74) N-amyl acetate	12.488	43	641	0.285	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41836	26.003	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41836	66.751	ug/l #	10

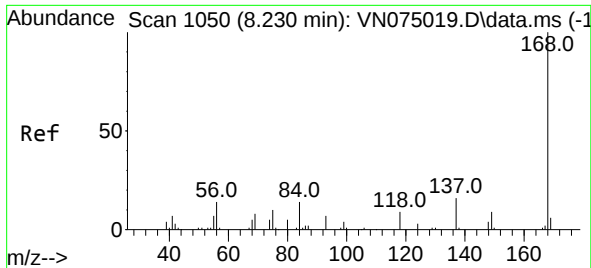
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
Data File : VN075221.D
Acq On : 09 Nov 2022 16:41
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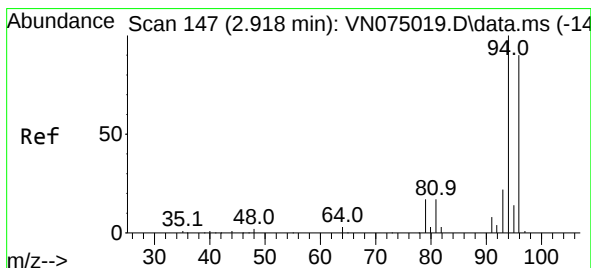
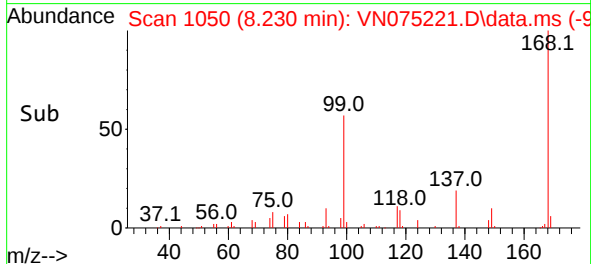
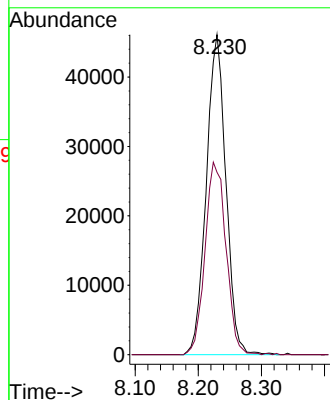
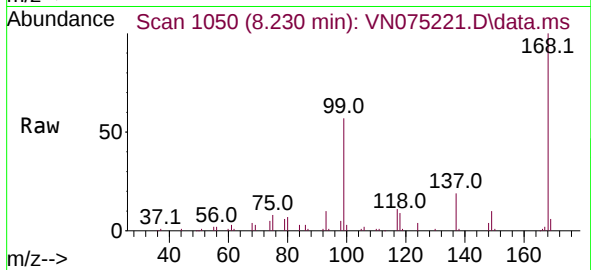




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

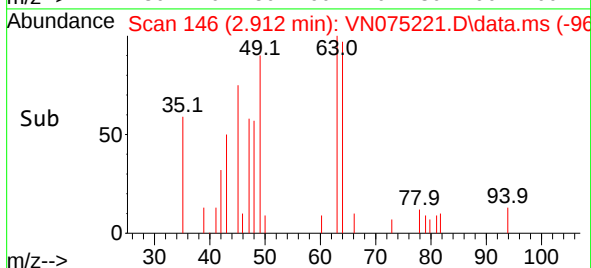
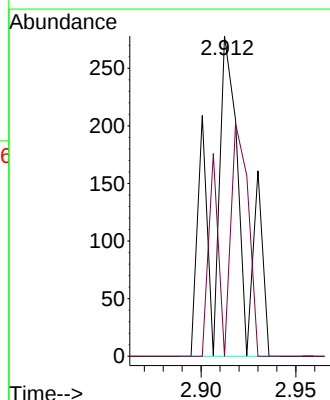
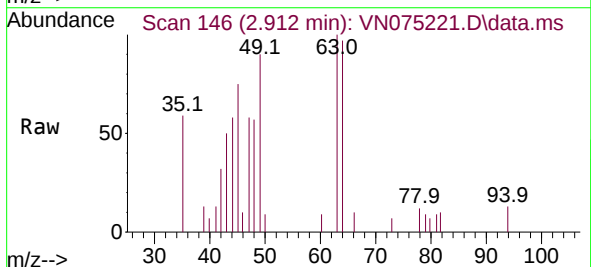
Instrument :
MSVOA_N
ClientSampleId :

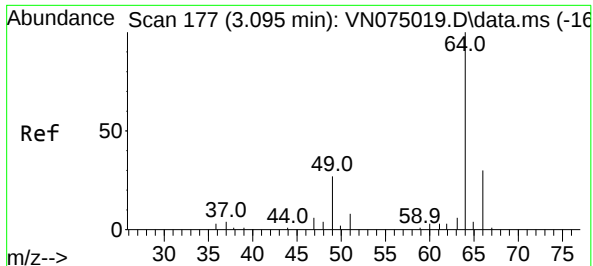
Tgt Ion:168 Resp: 99190
Ion Ratio Lower Upper
168 100
99 57.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Tgt Ion: 94 Resp: 301
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

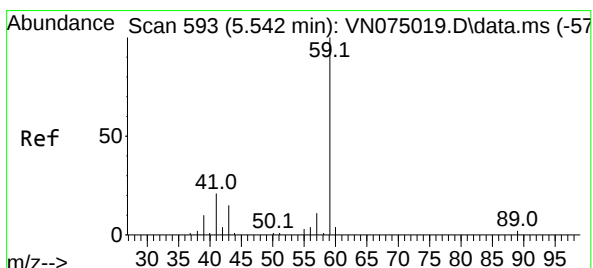
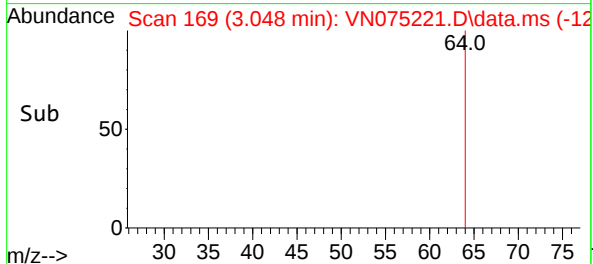
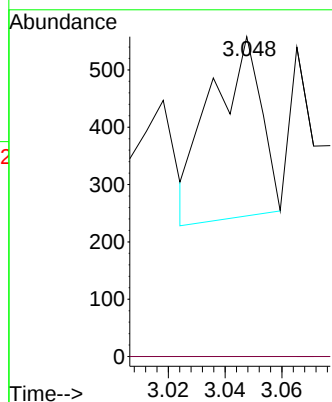
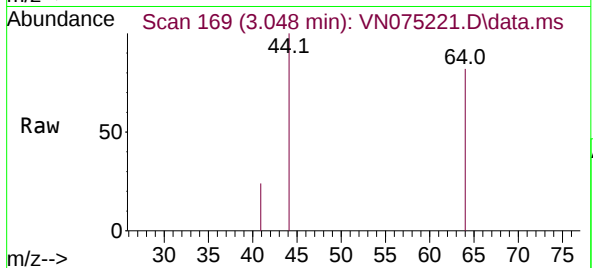




#6
Chloroethane
Concen: 0.275 ug/l
RT: 3.048 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

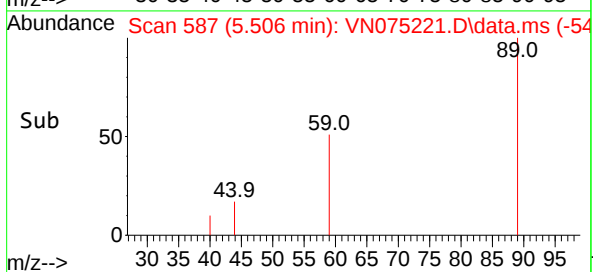
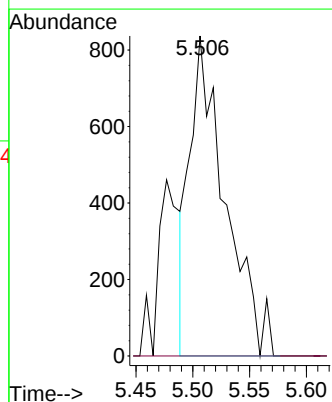
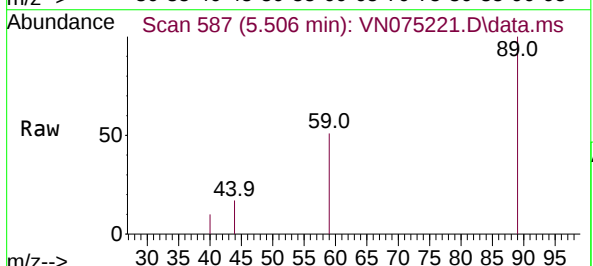
Instrument :
MSVOA_N
ClientSampleId :

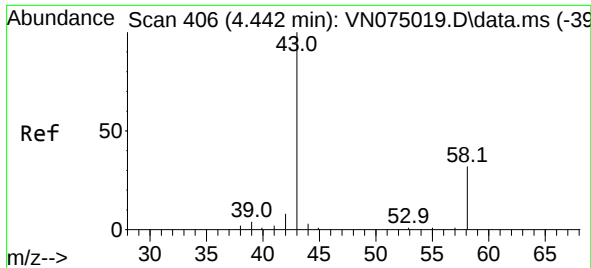
Tgt Ion: 64 Resp: 385
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 5.811 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Tgt Ion: 59 Resp: 1811
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 15.611 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.011 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

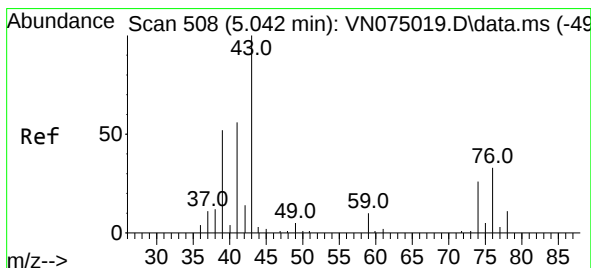
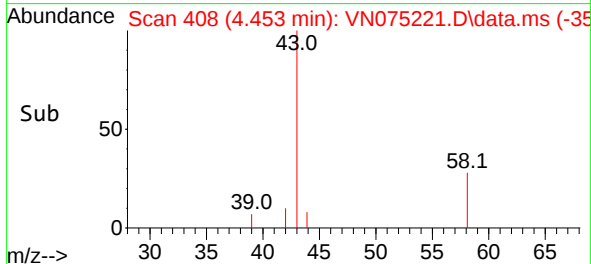
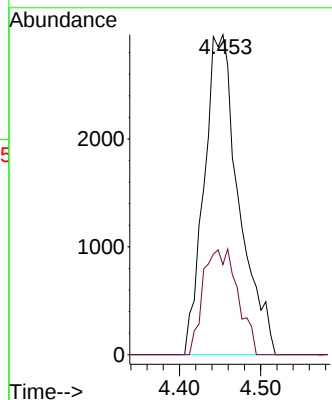
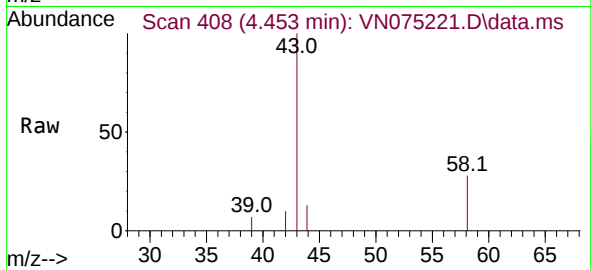
ClientSampleId :

Tgt Ion: 43 Resp: 8834

Ion Ratio Lower Upper

43 100

58 28.2 25.5 38.3



#18

Methyl Acetate

Concen: 1.145 ug/l

RT: 5.042 min Scan# 508

Delta R.T. -0.000 min

Lab File: VN075221.D

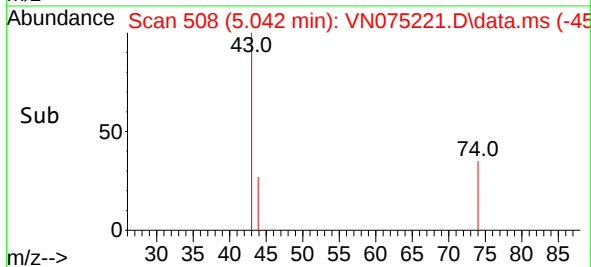
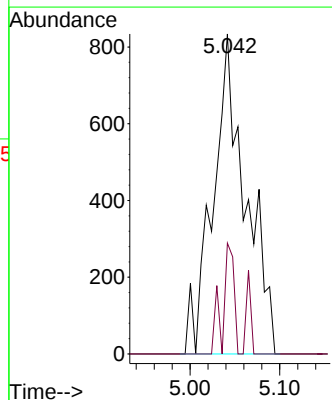
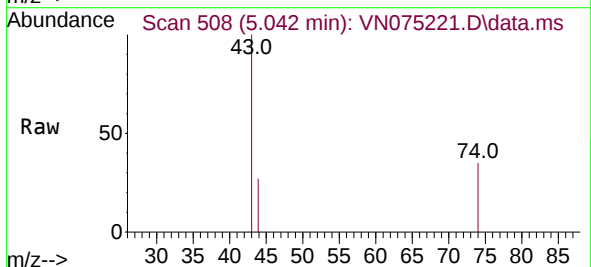
Acq: 09 Nov 2022 16:41

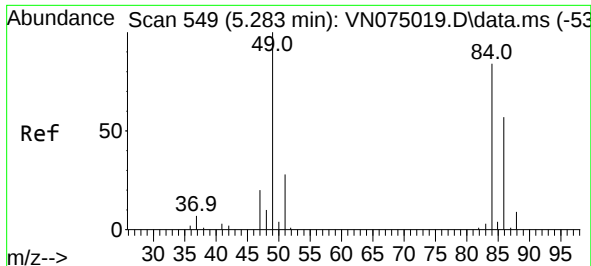
Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

43 100

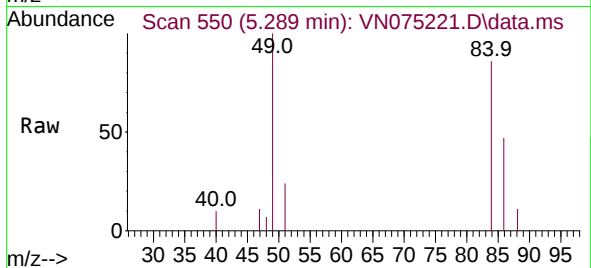
74 12.0 22.0 33.0#



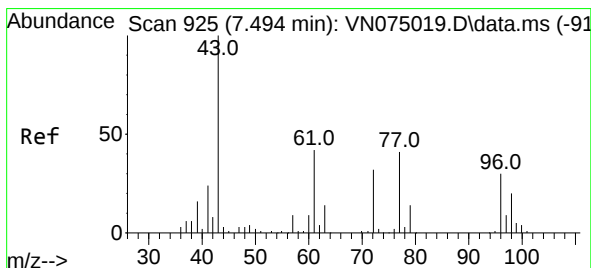
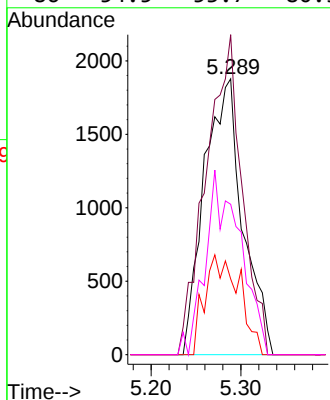
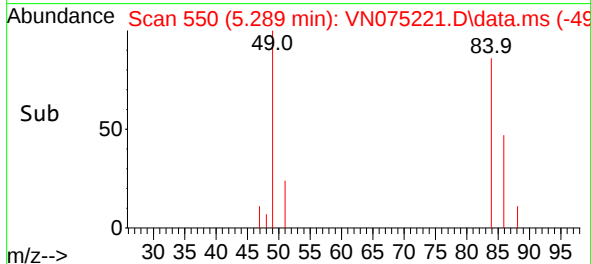


#20
Methylene Chloride
Concen: 4.438 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Instrument :
MSVOA_N
ClientSampleId :

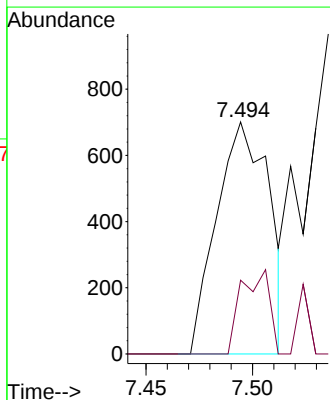
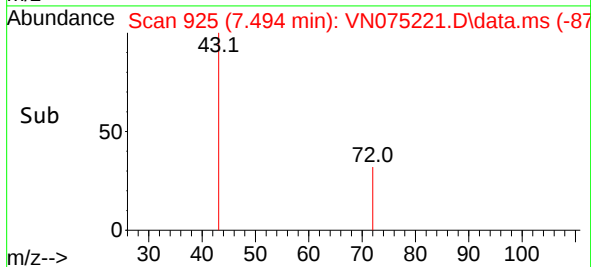
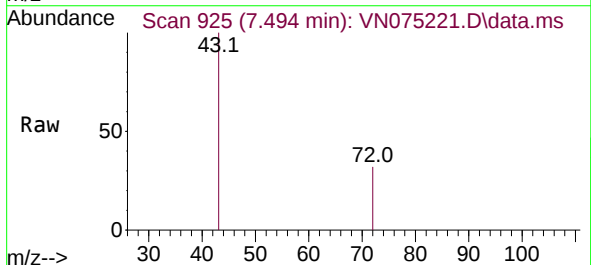


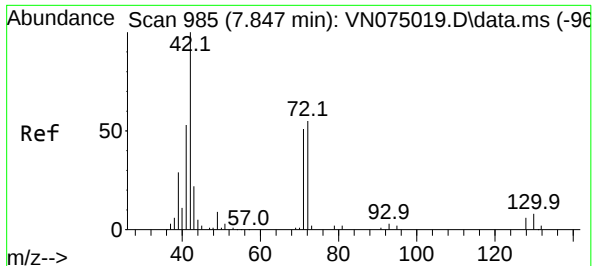
Tgt Ion: 84	Resp: 5599
Ion Ratio	Lower Upper
84 100	
49 116.0	94.9 142.3
51 27.4	26.8 40.2
86 54.5	53.7 80.5



#25
2-Butanone
Concen: 1.350 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Tgt Ion: 43	Resp: 1202
Ion Ratio	Lower Upper
43 100	
72 31.8	25.5 38.3





#29

Tetrahydrofuran

Concen: 0.899 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

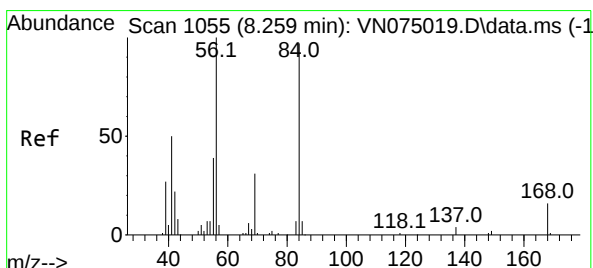
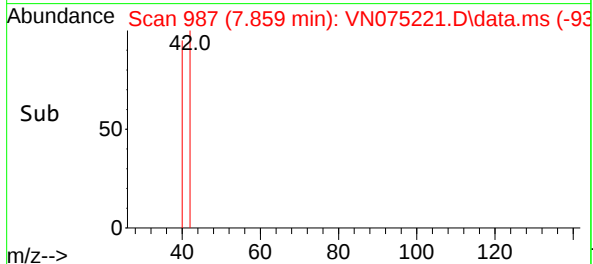
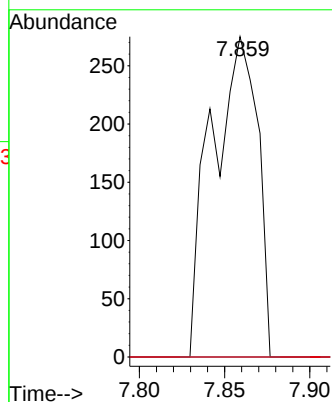
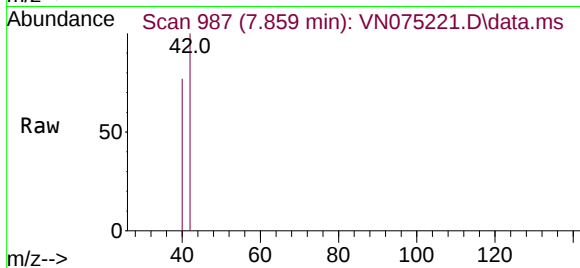
Tgt Ion: 42 Resp: 517

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

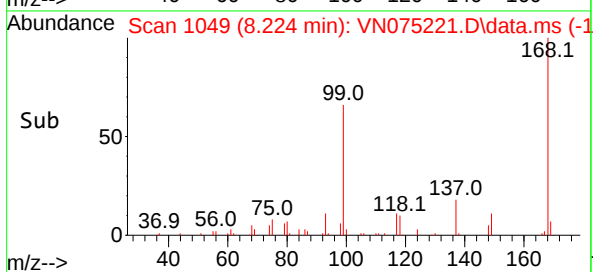
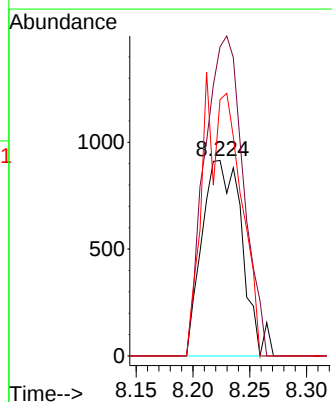
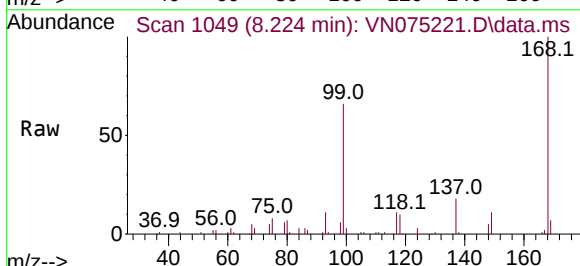
Tgt Ion: 56 Resp: 2232

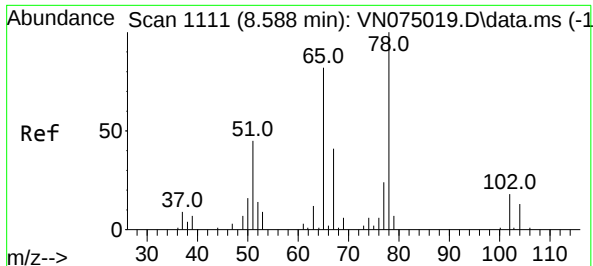
Ion Ratio Lower Upper

56 100

69 158.1 25.2 37.8#

84 131.1 77.8 116.8#

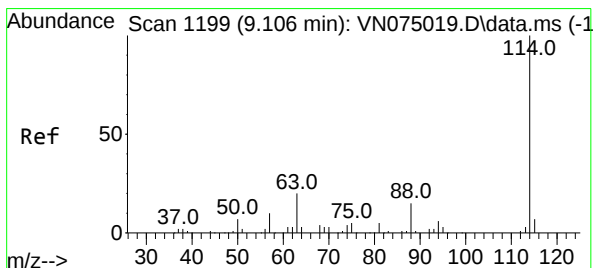
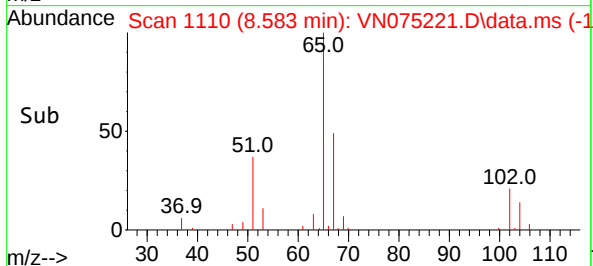
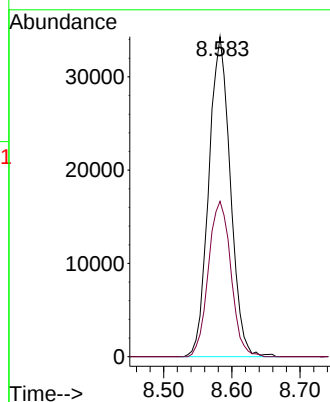
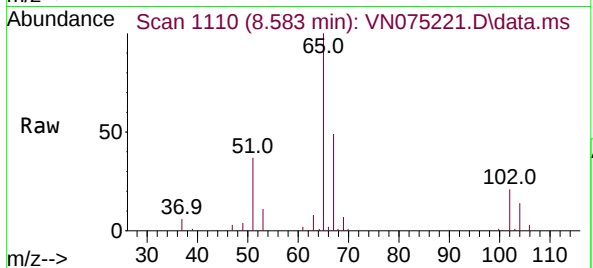




#33
 1,2-Dichloroethane-d4
 Concen: 56.545 ug/l
 RT: 8.583 min Scan# 1111
 Delta R.T. -0.005 min
 Lab File: VN075221.D
 Acq: 09 Nov 2022 16:41

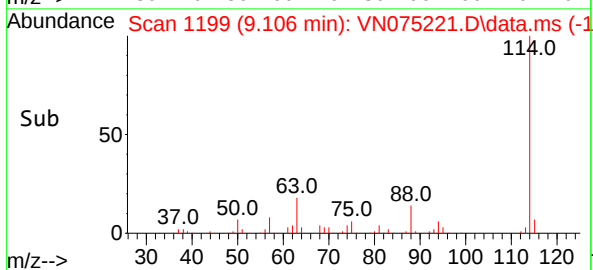
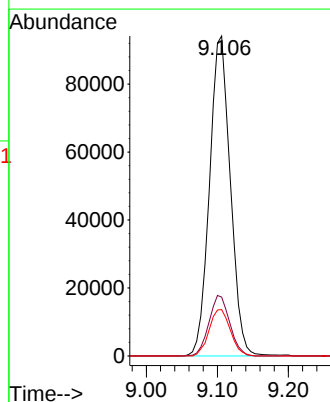
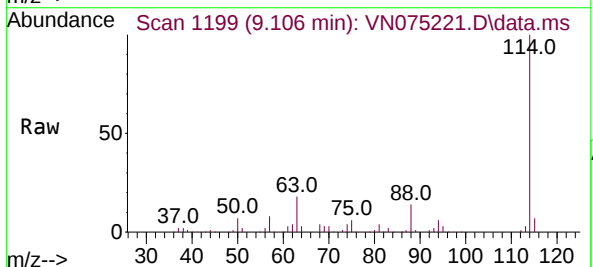
Instrument :
 MSVOA_N
 ClientSampleId :

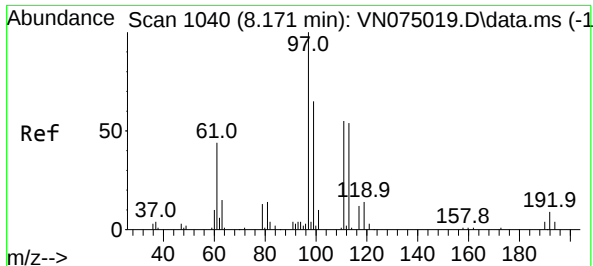
Tgt Ion: 65 Resp: 75570
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075221.D
 Acq: 09 Nov 2022 16:41

Tgt Ion: 114 Resp: 191452
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 54.739 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

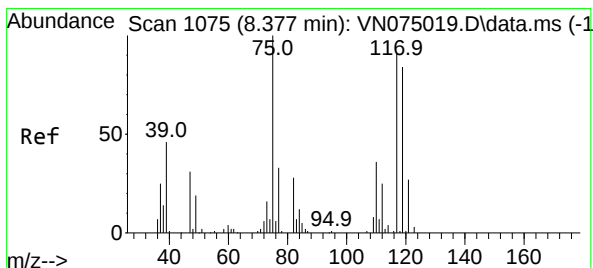
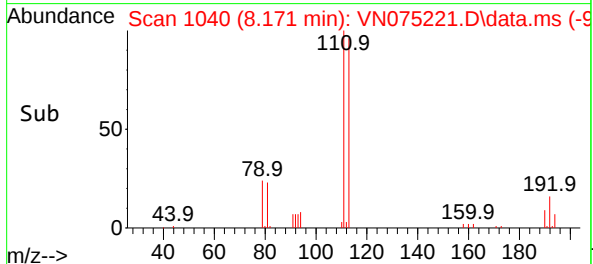
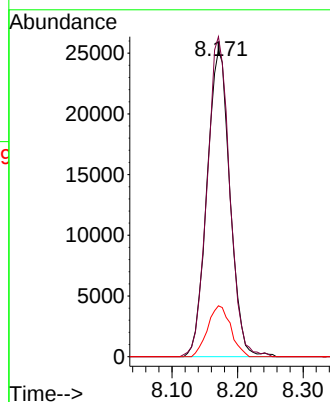
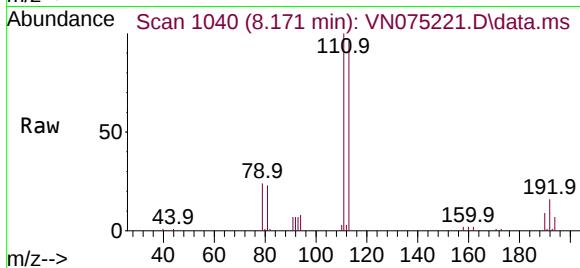
Tgt Ion:113 Resp: 61522

Ion Ratio Lower Upper

113 100

111 102.2 80.5 120.7

192 16.6 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

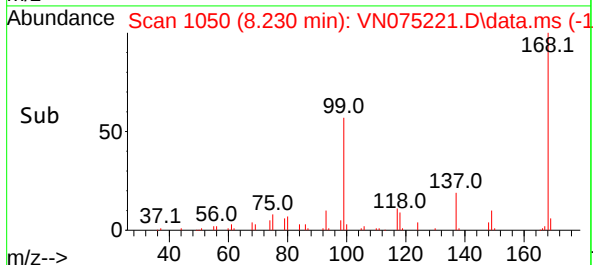
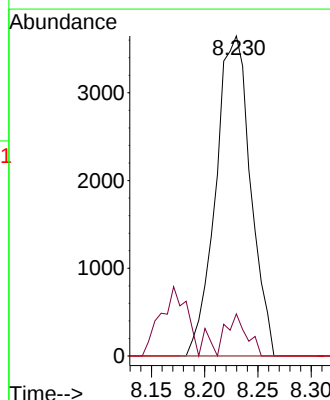
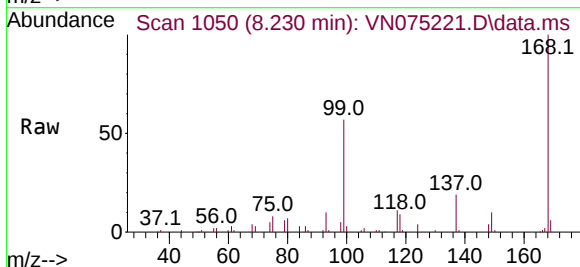
Tgt Ion: 75 Resp: 8296

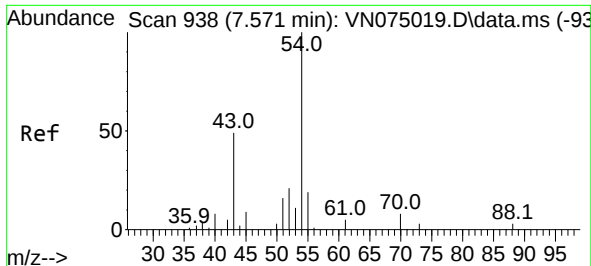
Ion Ratio Lower Upper

75 100

110 7.8 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 9.019 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

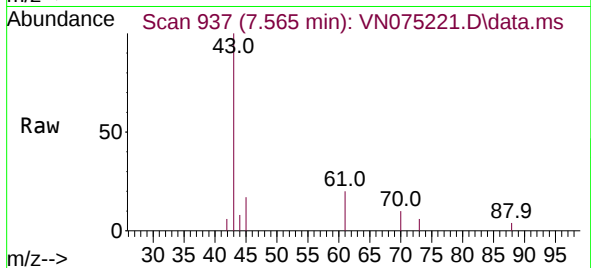
Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

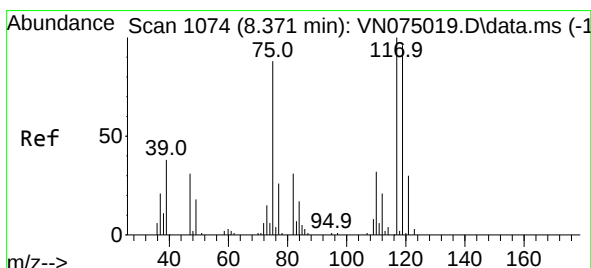
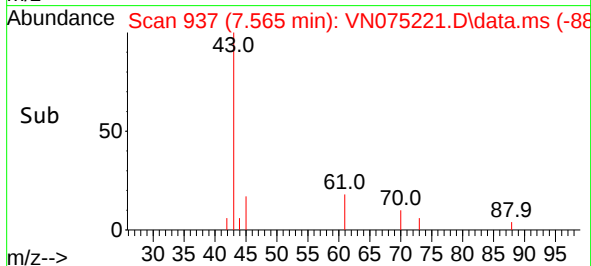
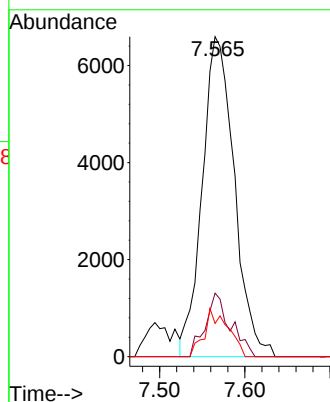
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	17210
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.4
70	11.1	9.4	14.2



#38

Carbon Tetrachloride

Concen: 5.822 ug/l

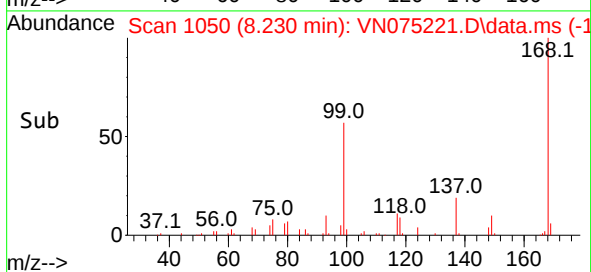
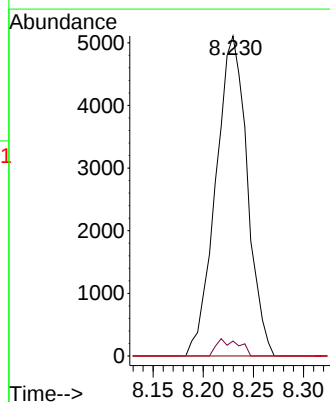
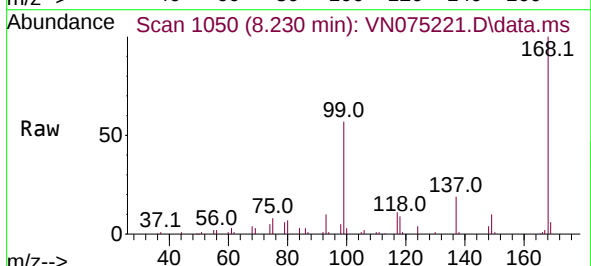
RT: 8.230 min Scan# 1050

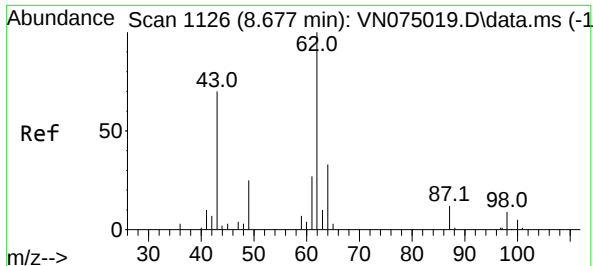
Delta R.T. -0.141 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Tgt Ion:	117	Resp:	11143
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.246 ug/l

RT: 8.683 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

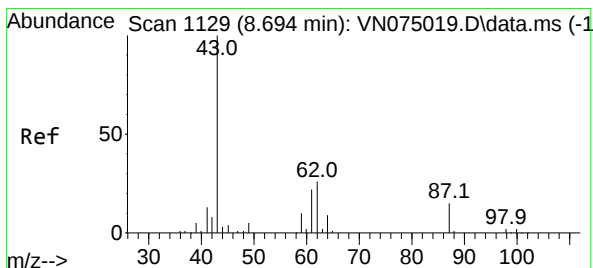
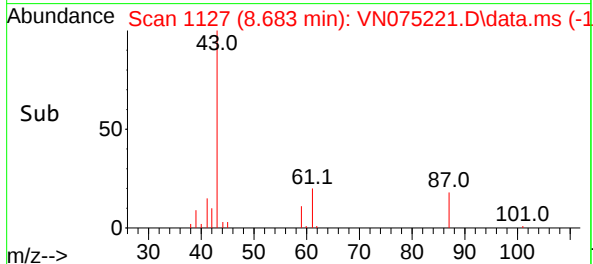
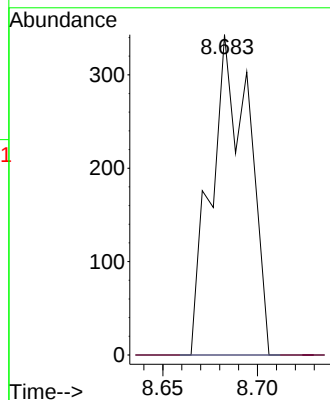
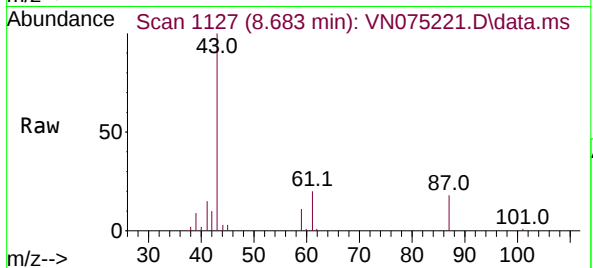
ClientSampleId :

Tgt Ion: 62 Resp: 476

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 25.061 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

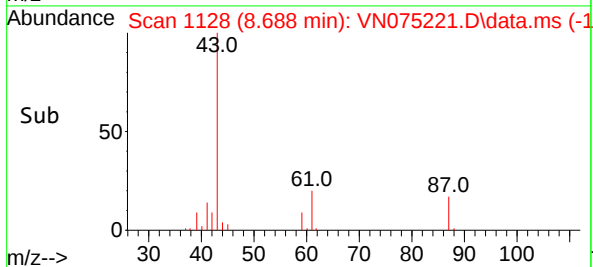
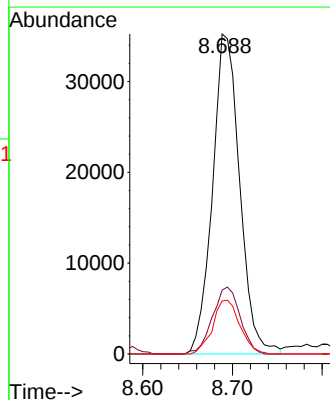
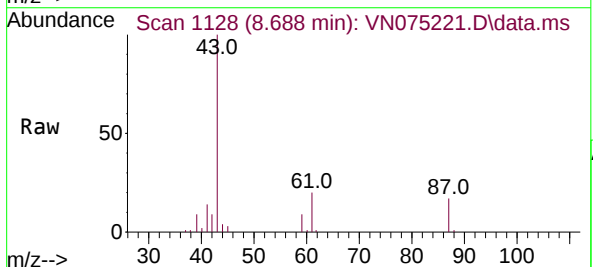
Tgt Ion: 43 Resp: 74180

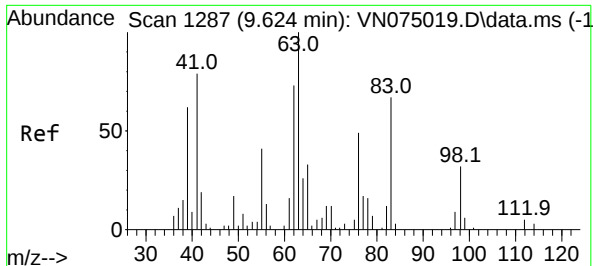
Ion Ratio Lower Upper

43 100

61 21.2 22.4 33.6#

87 16.7 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.784 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.117 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

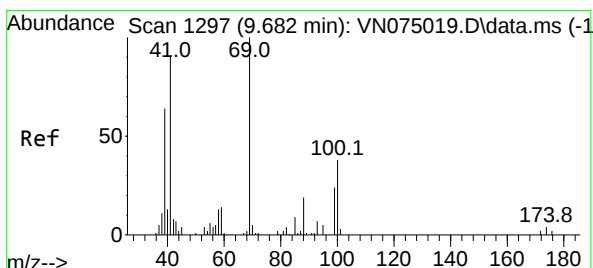
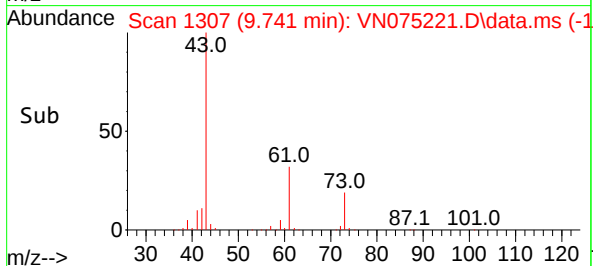
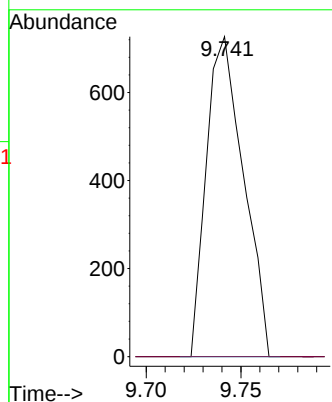
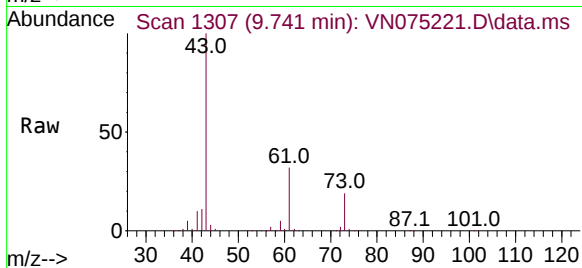
ClientSampleId :

Tgt Ion: 63 Resp: 994

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 53.268 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.059 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

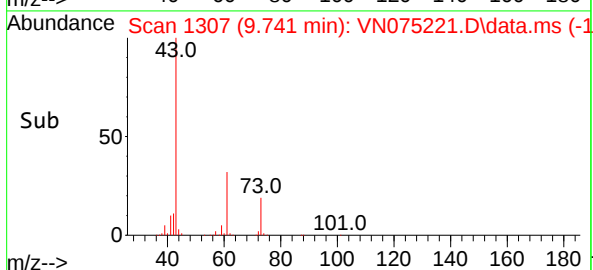
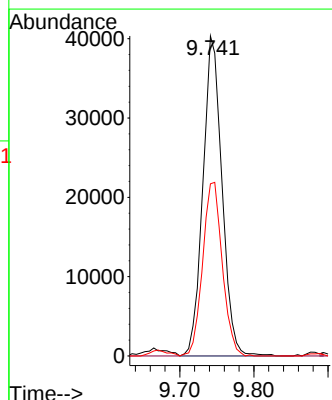
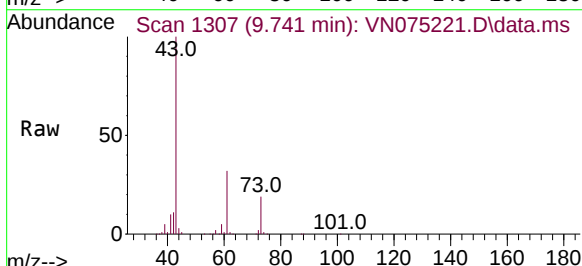
Tgt Ion: 41 Resp: 72326

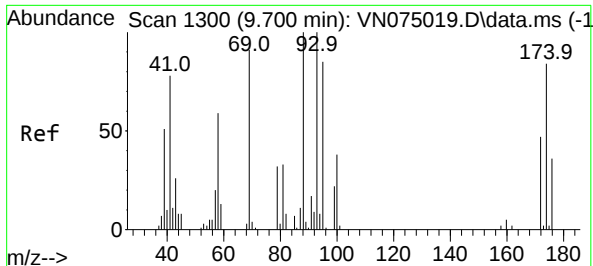
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.8 56.2 84.2#





#49

1,4-Dioxane

Concen: 1.575 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

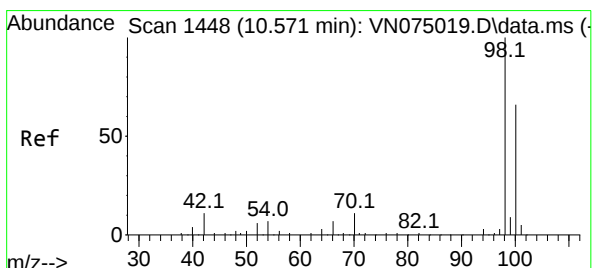
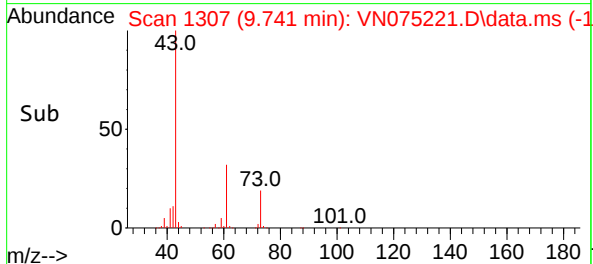
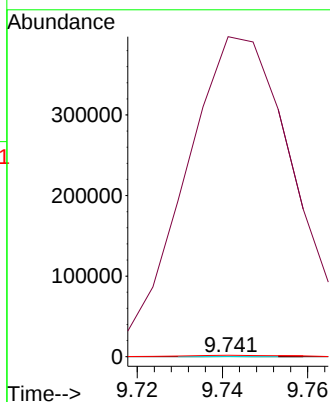
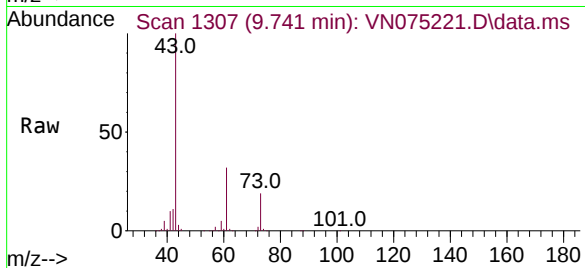
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 1305328.6 17.5 26.3#

58 5682.1 49.8 74.8#



#50

Toluene-d8

Concen: 52.803 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075221.D

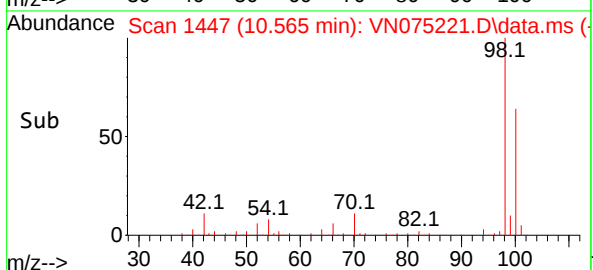
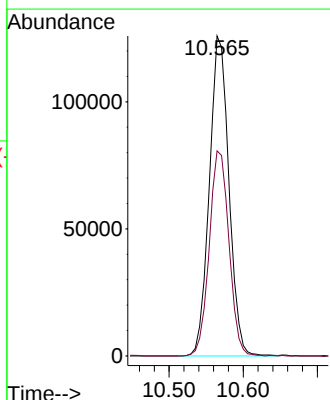
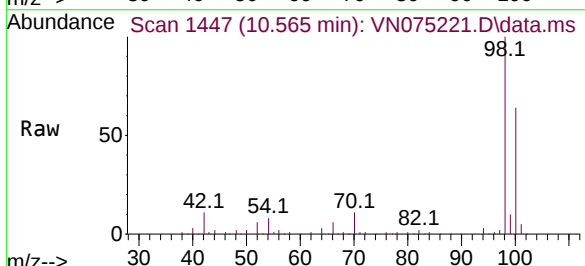
Acq: 09 Nov 2022 16:41

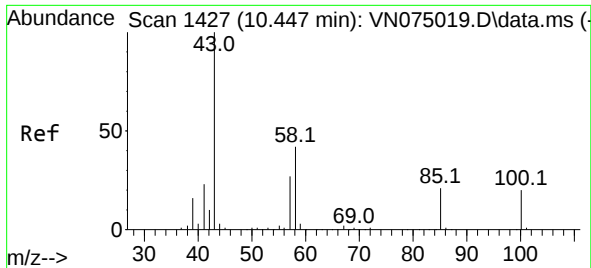
Tgt Ion: 98 Resp: 230248

Ion Ratio Lower Upper

98 100

100 64.6 53.0 79.6

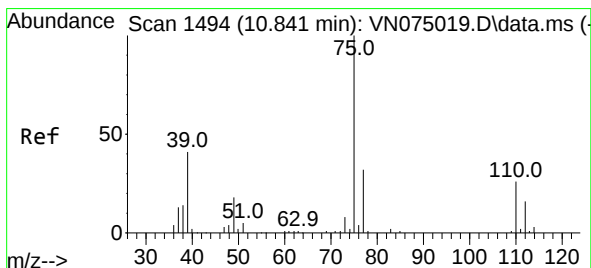
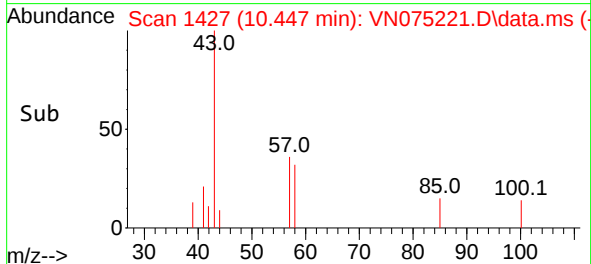
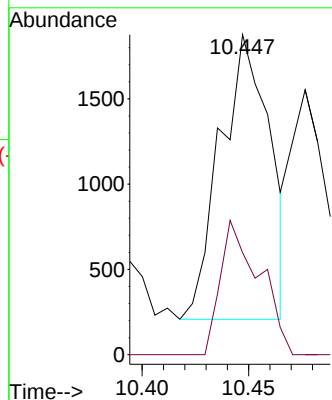
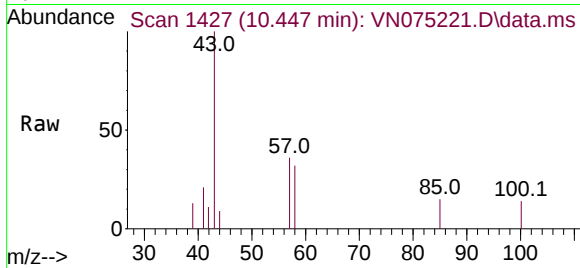




#51
4-Methyl-2-Pentanone
Concen: 1.414 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

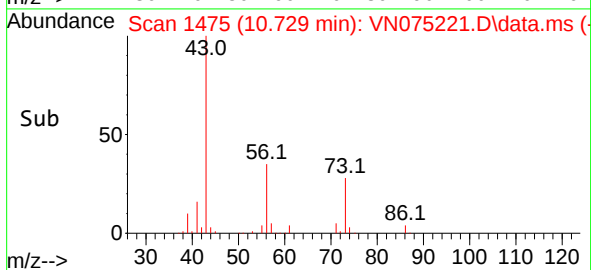
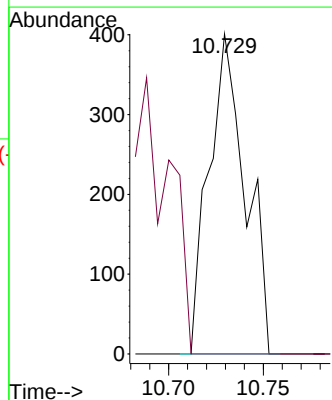
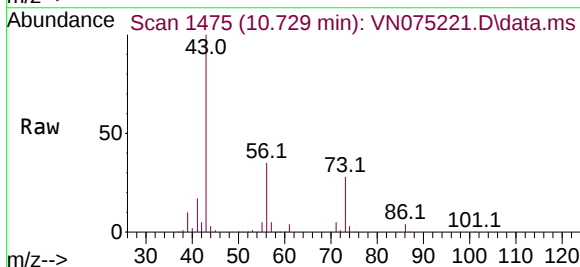
Instrument :
MSVOA_N
ClientSampleId :

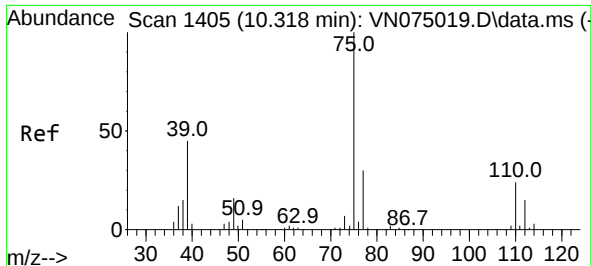
Tgt Ion: 43 Resp: 2700
Ion Ratio Lower Upper
43 100
58 37.3 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.267 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Tgt Ion: 75 Resp: 540
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

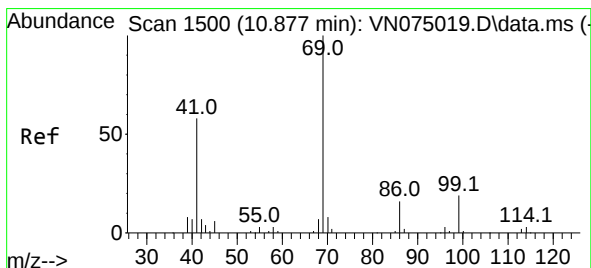
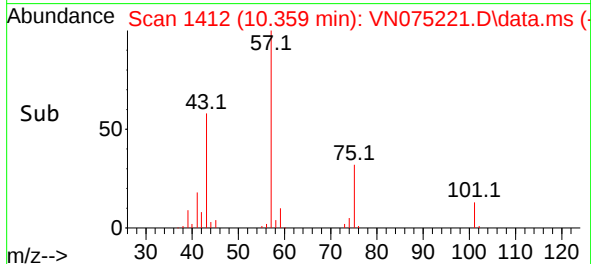
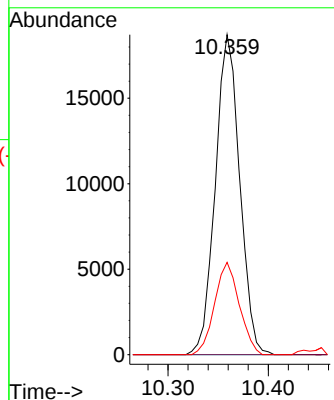
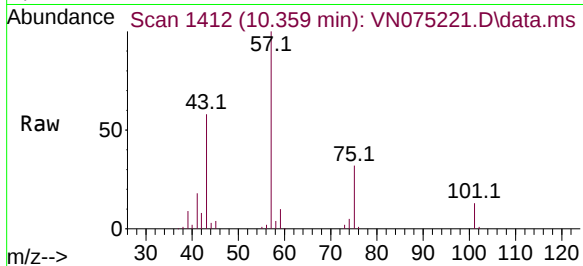




#54
 cis-1,3-Dichloropropene
 Concen: 14.758 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN075221.D
 Acq: 09 Nov 2022 16:41

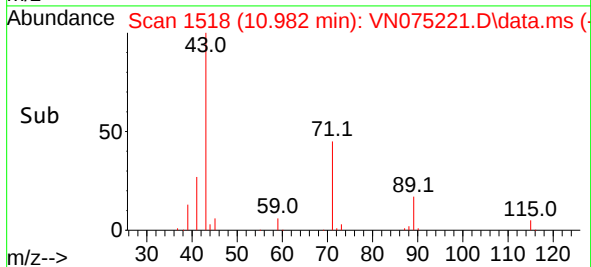
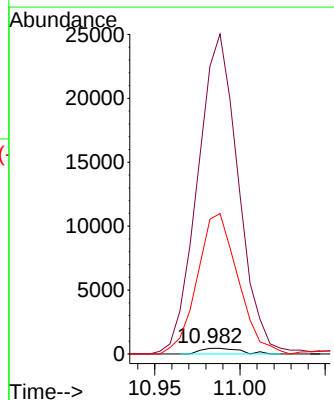
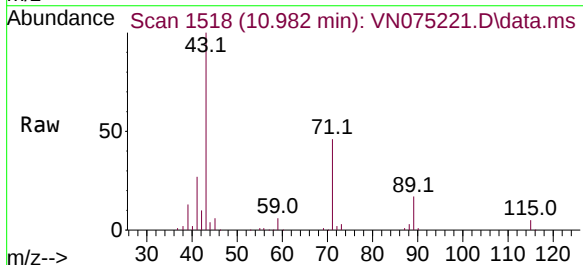
Instrument :
 MSVOA_N
 ClientSampleId :

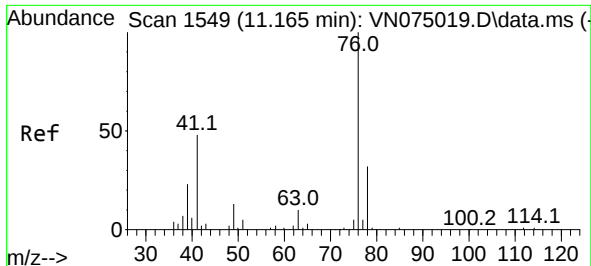
Tgt Ion: 75 Resp: 31605
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.9 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.328 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075221.D
 Acq: 09 Nov 2022 16:41

Tgt Ion: 69 Resp: 707
 Ion Ratio Lower Upper
 69 100
 41 5918.4 45.6 68.4#
 39 2590.0 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.952 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

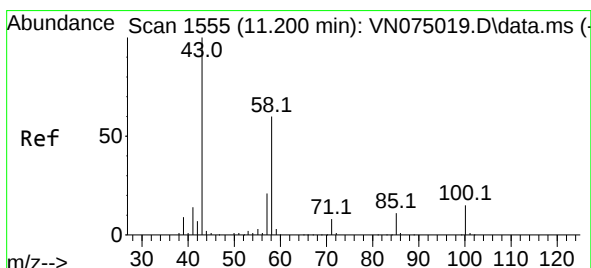
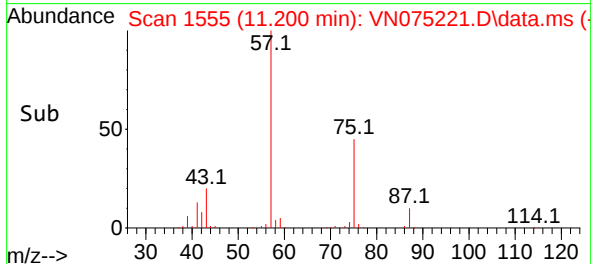
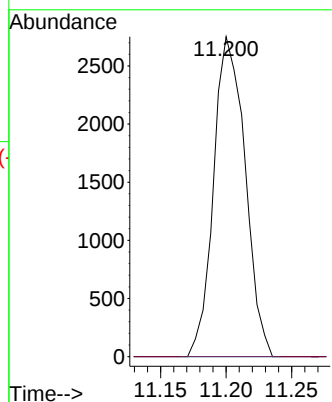
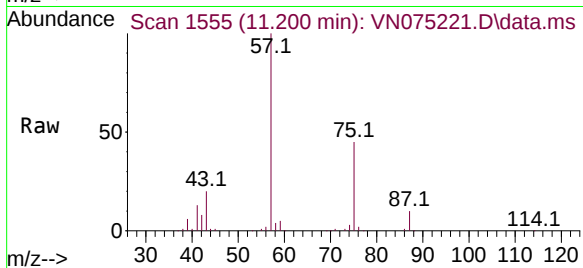
ClientSampleId :

Tgt Ion: 76 Resp: 4590

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 44.909 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075221.D

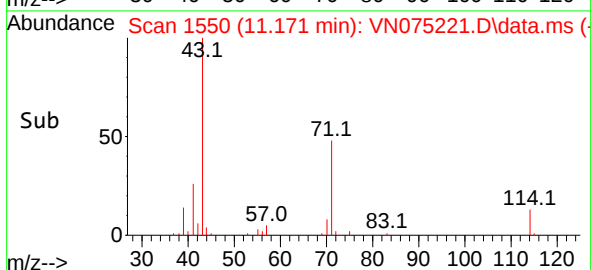
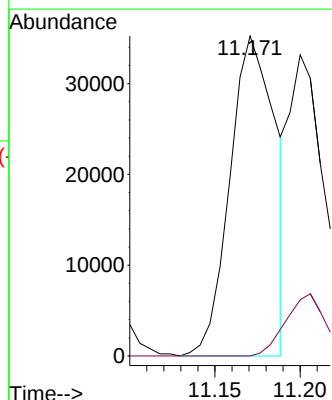
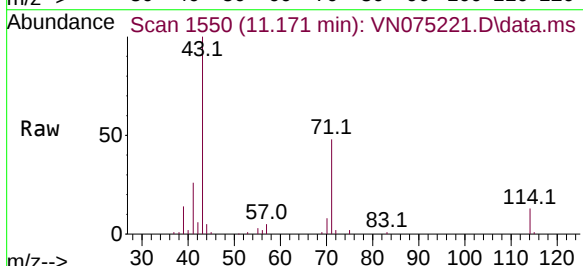
Acq: 09 Nov 2022 16:41

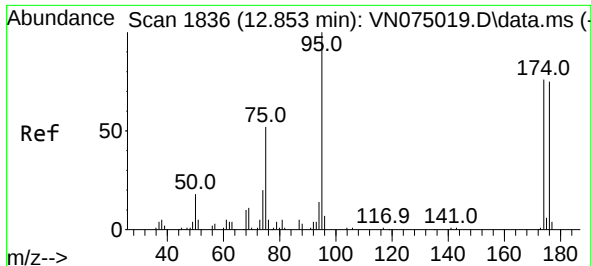
Tgt Ion: 43 Resp: 65104

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

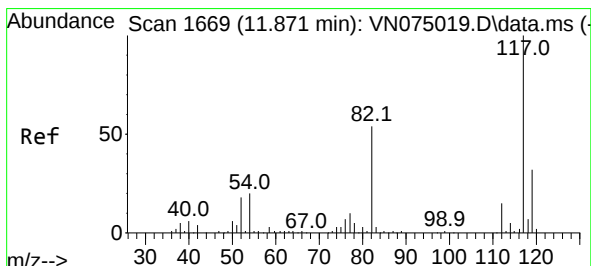
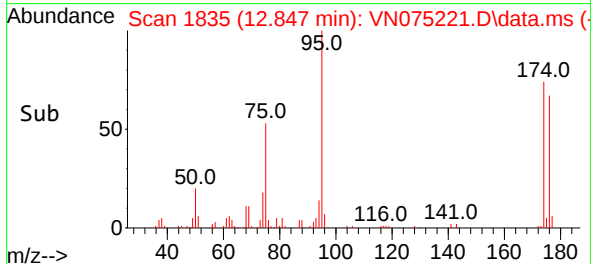
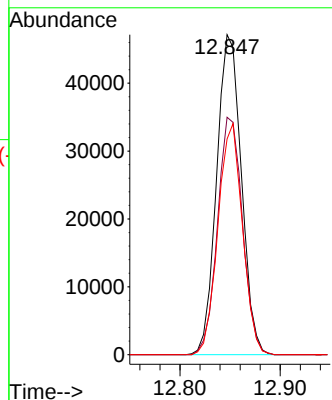
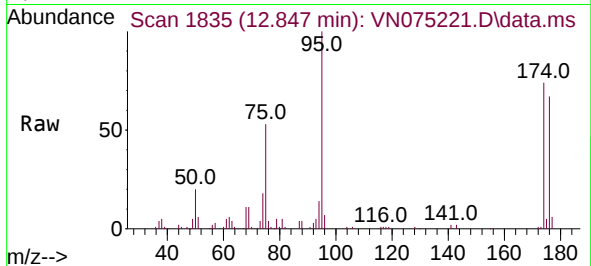




#62
4-Bromofluorobenzene
Concen: 52.785 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

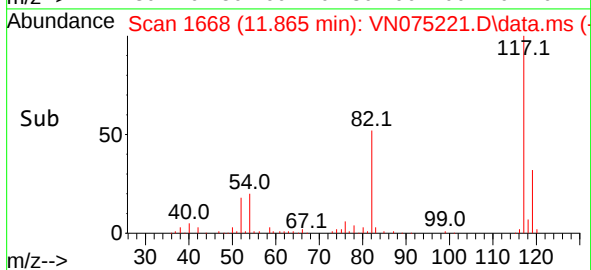
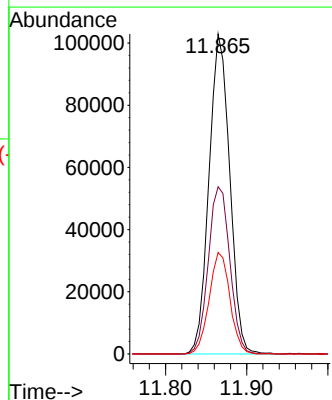
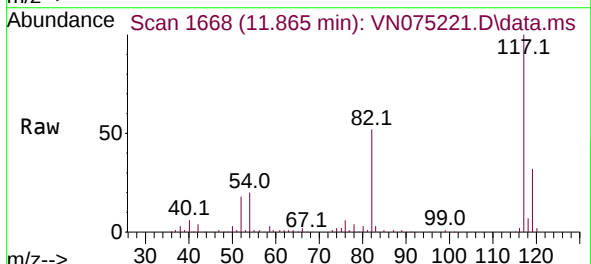
Instrument :
MSVOA_N
ClientSampleId :

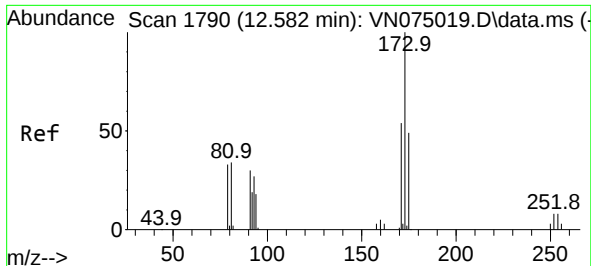
Tgt Ion: 95 Resp: 80854
Ion Ratio Lower Upper
95 100
174 74.9 0.0 147.4
176 71.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Tgt Ion: 117 Resp: 182612
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 31.7 25.5 38.3

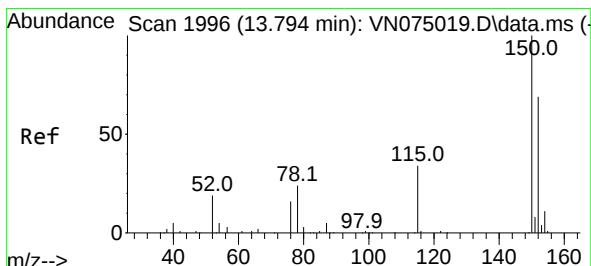
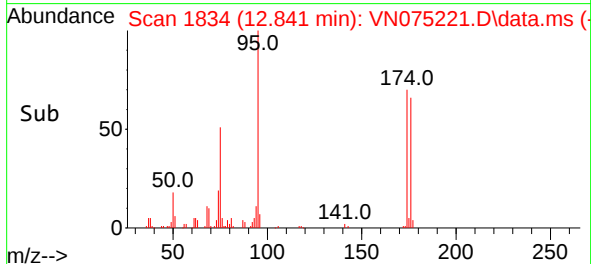
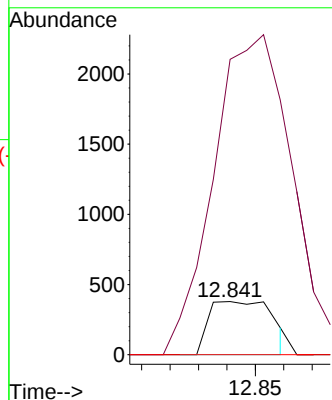
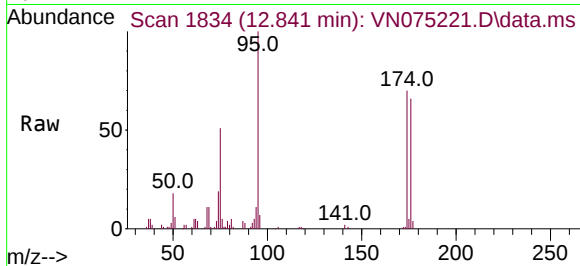




#71
Bromoform
Concen: 0.548 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

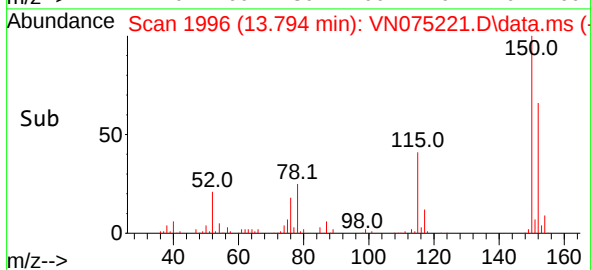
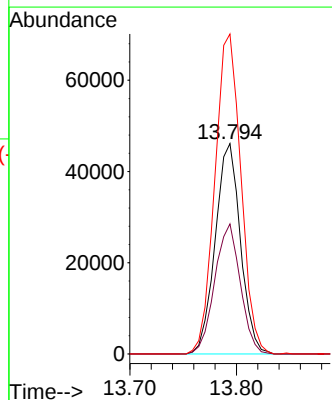
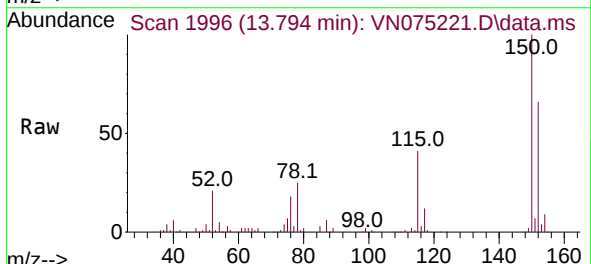
Instrument :
MSVOA_N
ClientSampleId :

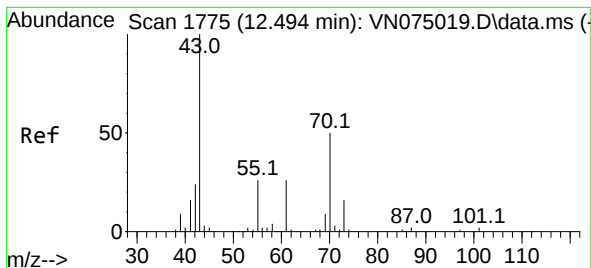
Tgt Ion:173 Resp: 593
Ion Ratio Lower Upper
173 100
175 625.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Tgt Ion:152 Resp: 75773
Ion Ratio Lower Upper
152 100
115 62.7 30.2 90.6
150 156.8 0.0 348.4





#74

N-amy1 acetate

Concen: 0.285 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN075221.D

Acq: 09 Nov 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 641

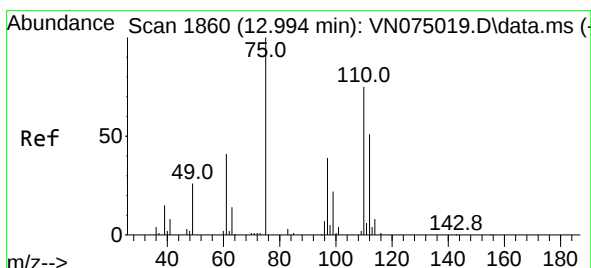
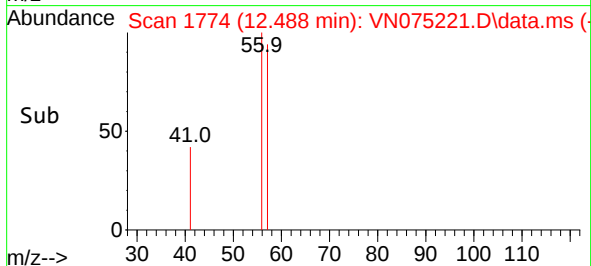
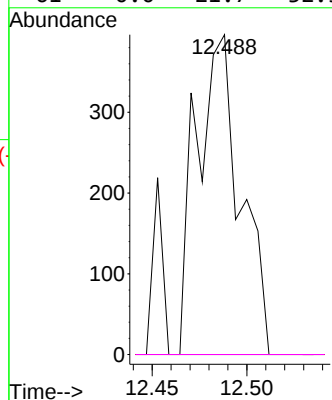
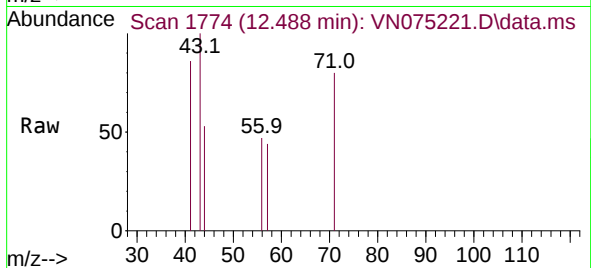
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 26.003 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075221.D

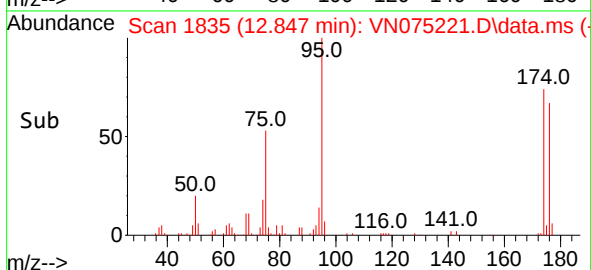
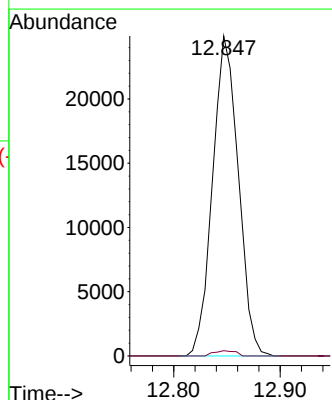
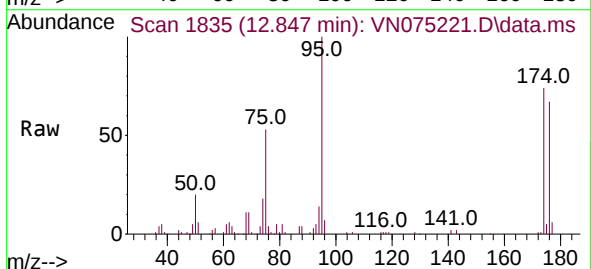
Acq: 09 Nov 2022 16:41

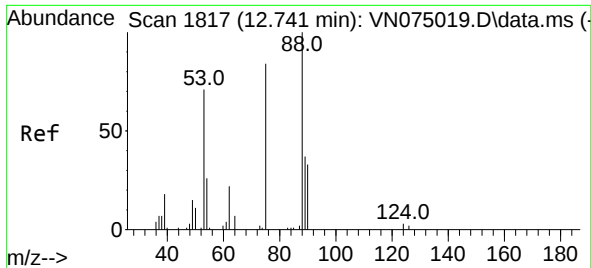
Tgt Ion: 75 Resp: 41836

Ion Ratio Lower Upper

75 100

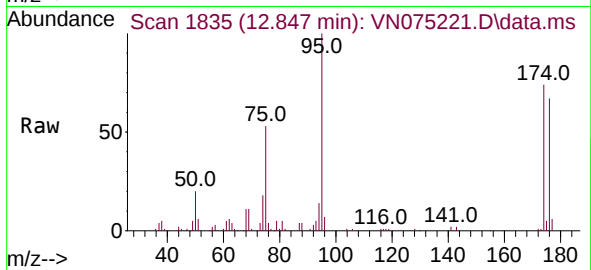
77 1.4 75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.751 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075221.D
Acq: 09 Nov 2022 16:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 41836
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

