

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075157.D
 Acq On : 03 Nov 2022 20:25
 Operator : JC\MD
 Sample : N5418-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-K

Quant Time: Nov 04 04:12:35 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

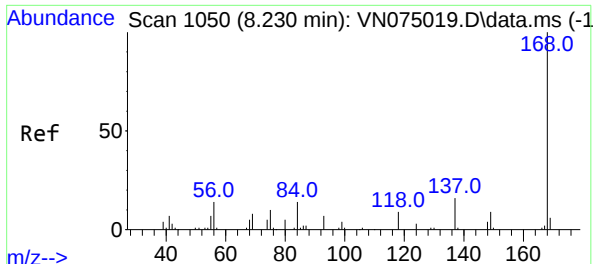
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	92602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	189306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	172933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	66419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77437	62.064	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.120%			
35) Dibromofluoromethane	8.171	113	59684	53.705	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.420%			
50) Toluene-d8	10.571	98	231938	53.794	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.580%			
62) 4-Bromofluorobenzene	12.853	95	72712	48.008	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.020%			
Target Compounds					Qvalue	
5) Bromomethane	2.906	94	116	Below Cal	#	5
6) Chloroethane	3.089	64	329	0.251	ug/l #	45
11) Tert butyl alcohol	5.500	59	1824	6.269	ug/l #	72
16) Acetone	4.453	43	10064	19.049	ug/l	93
18) Methyl Acetate	5.042	43	4769	2.764	ug/l #	82
20) Methylene Chloride	5.277	84	11158	9.472	ug/l	91
25) 2-Butanone	7.506	43	1209	1.455	ug/l #	43
31) Cyclohexane	8.224	56	2492	1.343	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	8504	4.943	ug/l #	49
37) Ethyl Acetate	7.571	43	16288	8.632	ug/l	97
38) Carbon Tetrachloride	8.230	117	10173	5.375	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	638	0.333	ug/l #	75
43) Isopropyl Acetate	8.694	43	113288	38.707	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	756	0.603	ug/l #	42
48) Methyl methacrylate	9.677	41	2088	1.555	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	2865	1.517	ug/l #	85
53) t-1,3-Dichloropropene	10.735	75	599	0.300	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	26507	12.518	ug/l #	69
56) Ethyl methacrylate	10.988	69	812	0.381	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3741	1.609	ug/l #	42
59) 2-Hexanone	11.171	43	53228	37.133	ug/l #	21
71) Bromoform	12.853	173	524	0.511	ug/l #	1
74) N-amyl acetate	12.476	43	500	0.254	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	39245	27.828	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39245	71.435	ug/l #	10

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

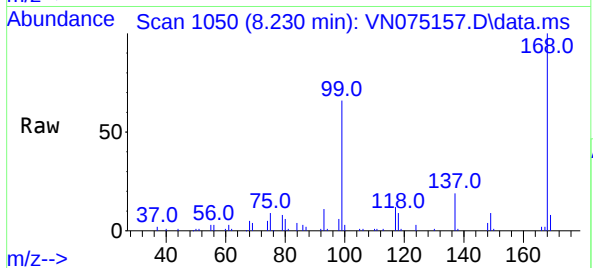
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Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



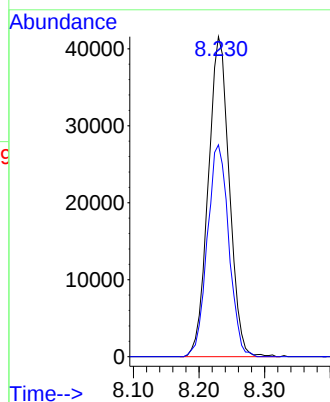
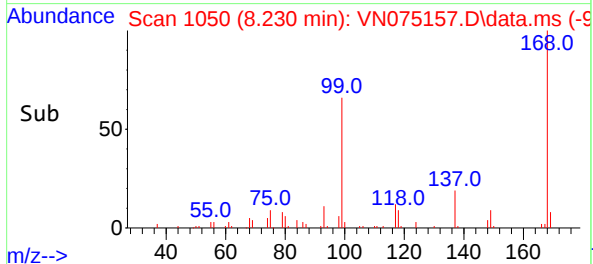


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Instrument :
MSVOA_N
ClientSampleId :
TP-K

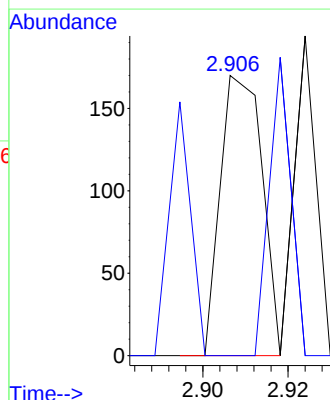
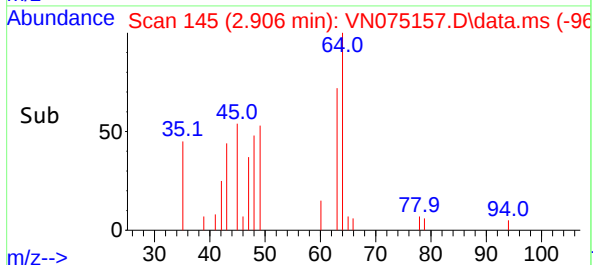
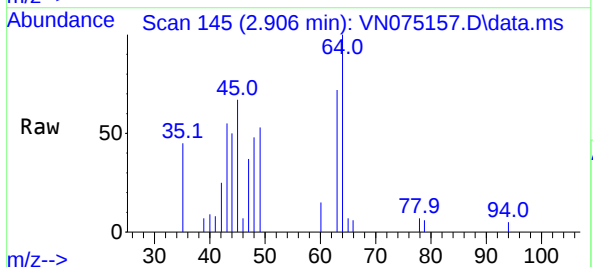


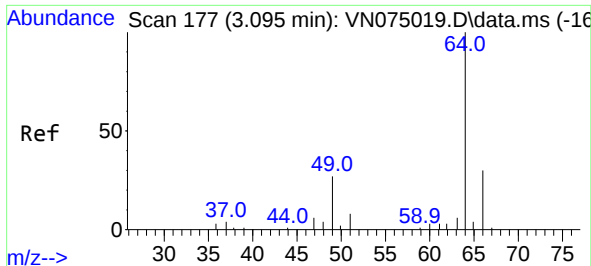
Tgt Ion:168 Resp: 92602
Ion Ratio Lower Upper
168 100
99 66.2 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.906 min Scan# 145
Delta R.T. -0.012 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

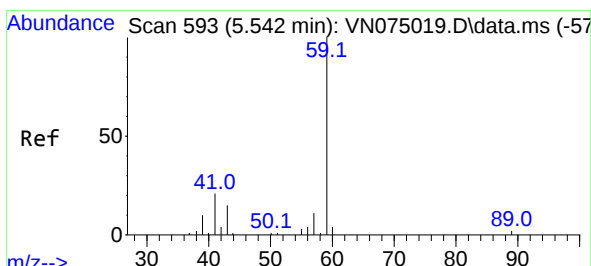
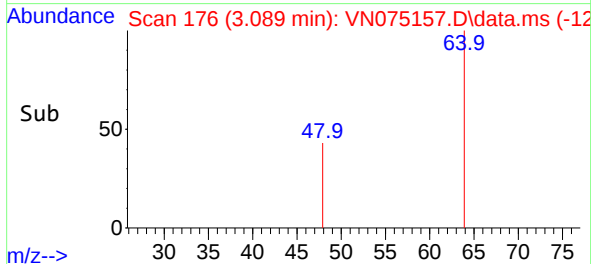
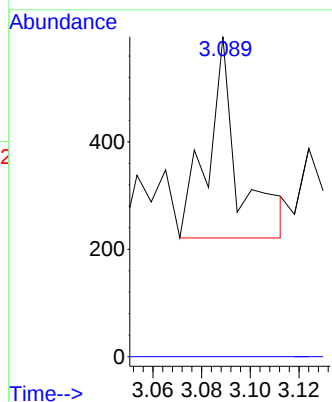
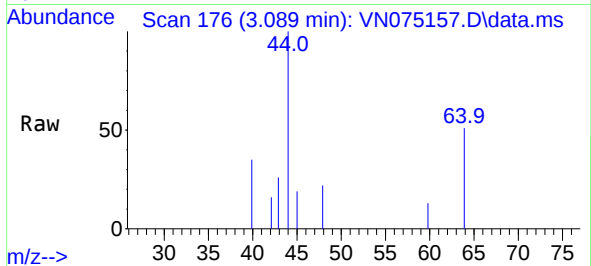




#6
Chloroethane
Concen: 0.251 ug/l
RT: 3.089 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

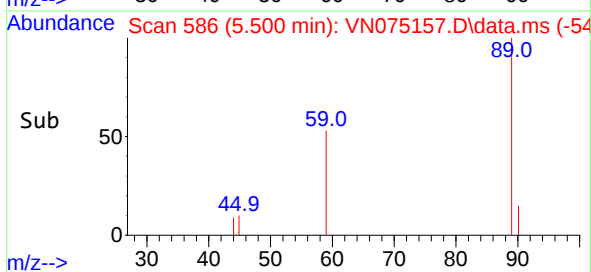
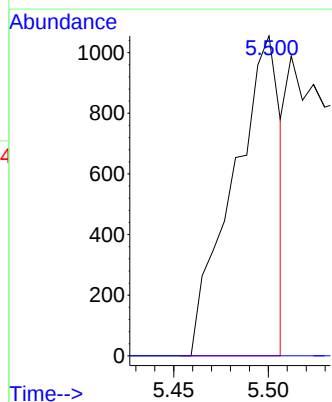
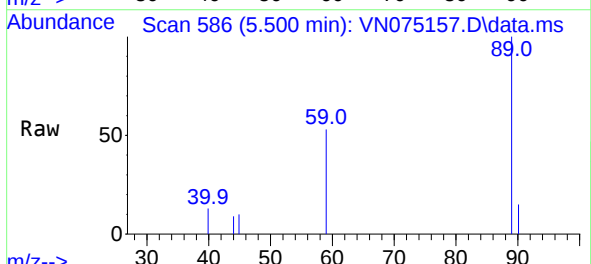
Instrument :
MSVOA_N
ClientSampleId :
TP-K

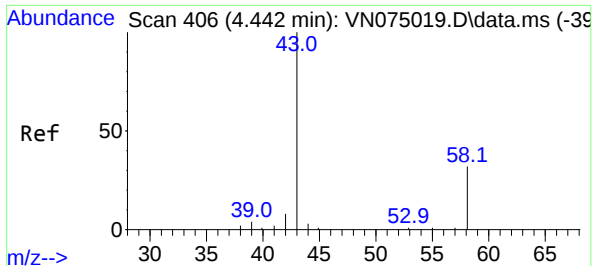
Tgt Ion: 64 Resp: 329
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 6.269 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 59 Resp: 1824
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

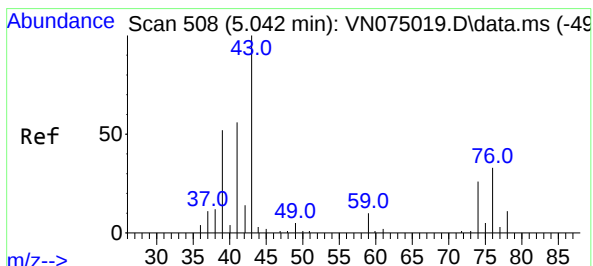
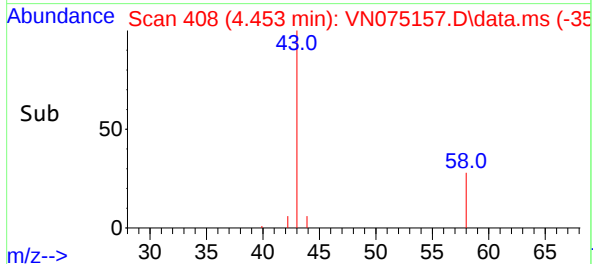
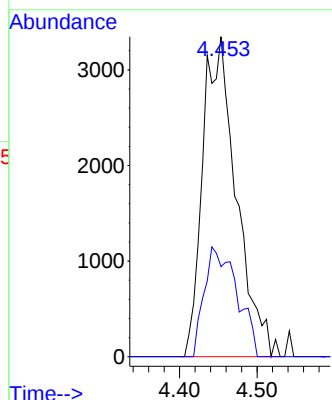
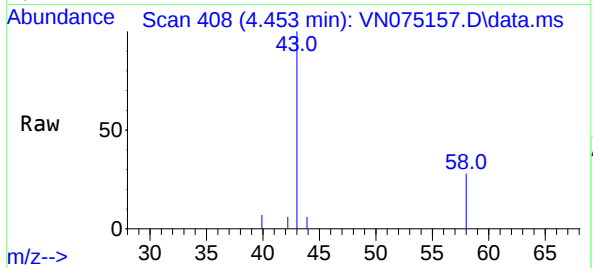




#16
Acetone
Concen: 19.049 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

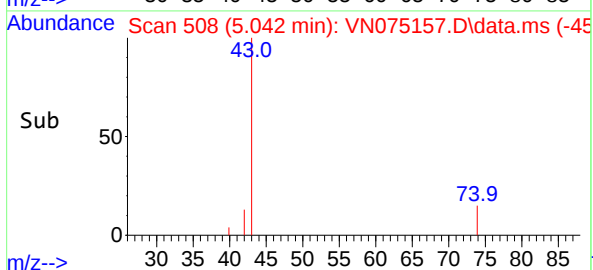
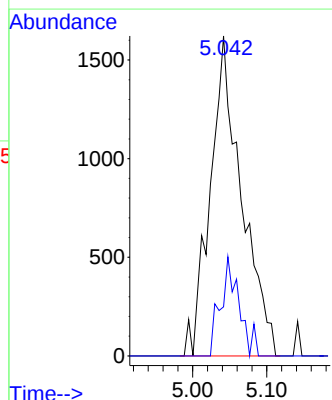
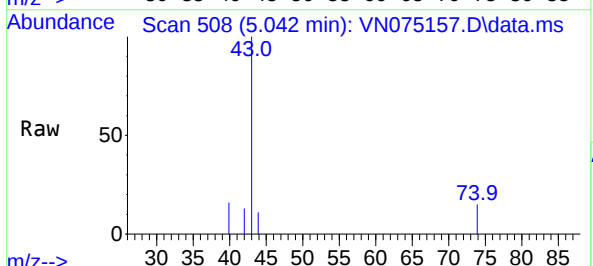
Instrument :
MSVOA_N
ClientSampleId :
TP-K

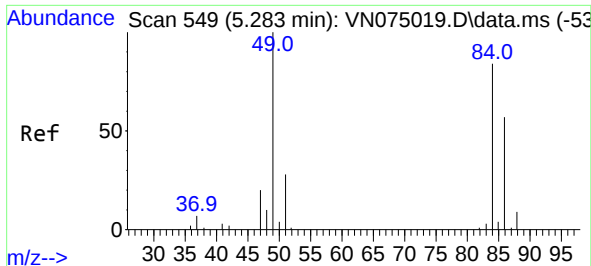
Tgt Ion: 43 Resp: 10064
Ion Ratio Lower Upper
43 100
58 28.1 25.5 38.3



#18
Methyl Acetate
Concen: 2.764 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 43 Resp: 4769
Ion Ratio Lower Upper
43 100
74 18.3 22.0 33.0#



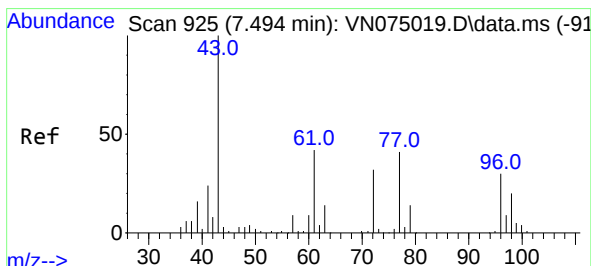
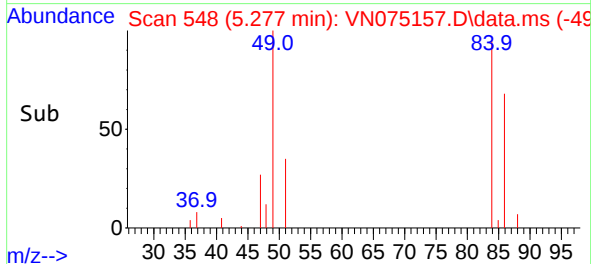
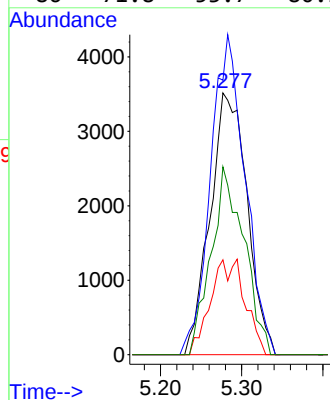
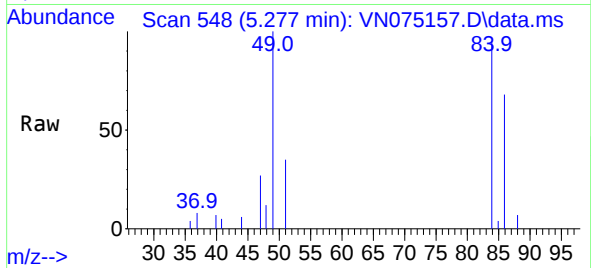


#20
Methylene Chloride
Concen: 9.472 ug/l
RT: 5.277 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Instrument :
MSVOA_N
ClientSampleId :
TP-K

Tgt Ion: 84 Resp: 11158

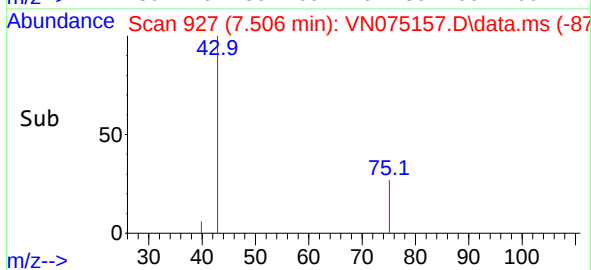
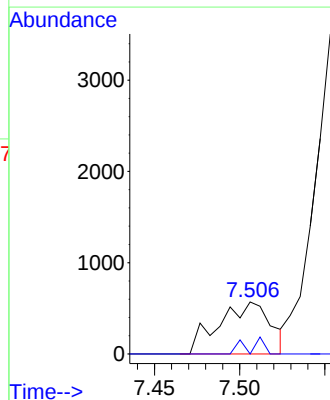
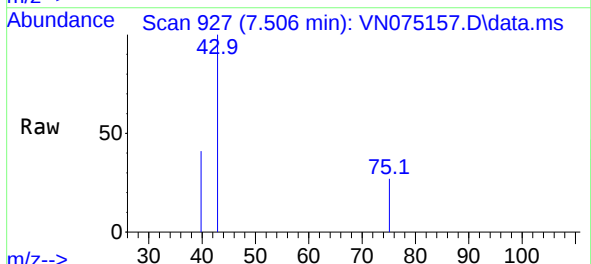
Ion	Ratio	Lower	Upper
84	100		
49	104.9	94.9	142.3
51	36.3	26.8	40.2
86	71.8	53.7	80.5

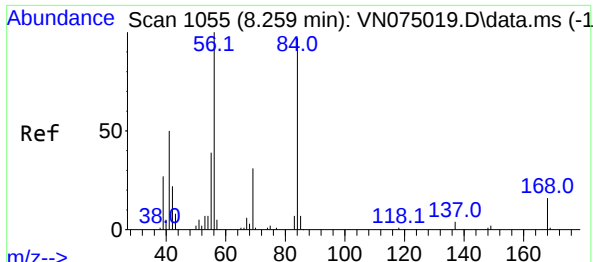


#25
2-Butanone
Concen: 1.455 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 43 Resp: 1209

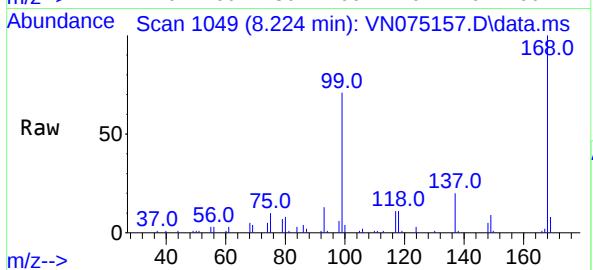
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#



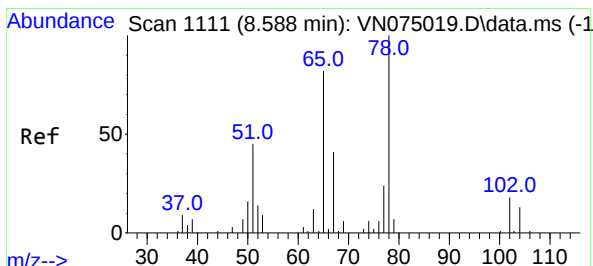
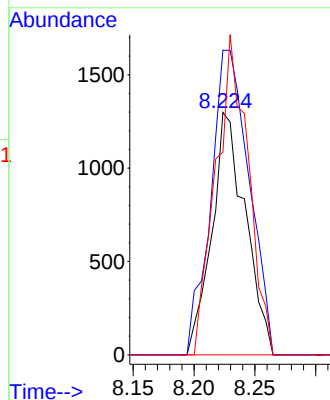
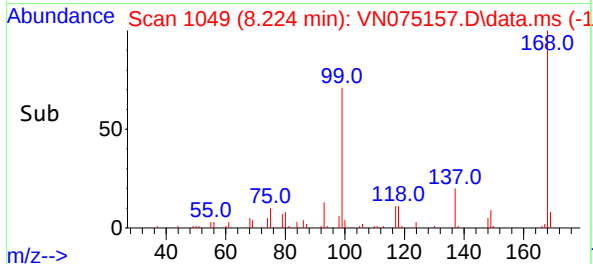


#31
Cyclohexane
Concen: 1.343 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Instrument :
MSVOA_N
ClientSampleId :
TP-K

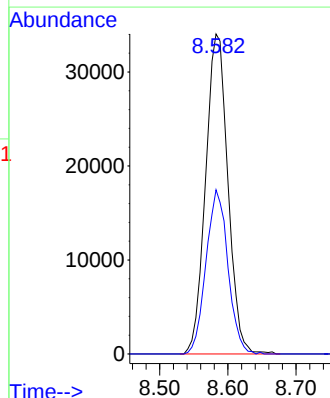
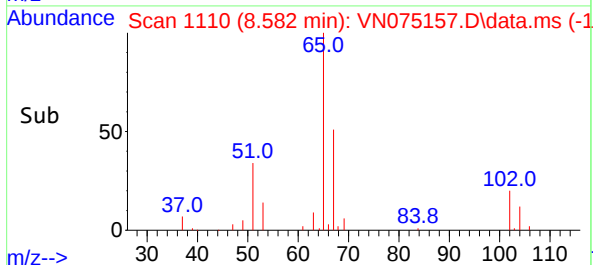
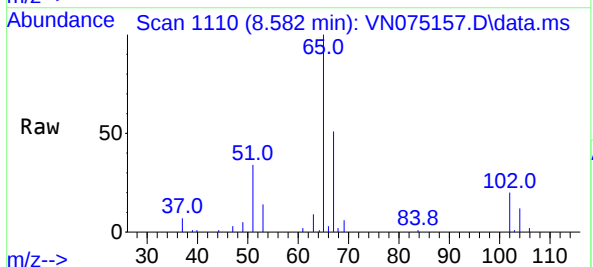


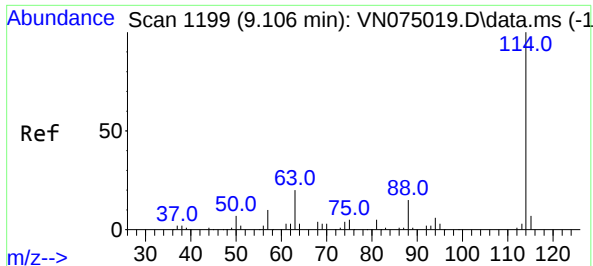
Tgt Ion: 56 Resp: 2492
Ion Ratio Lower Upper
56 100
69 125.7 25.2 37.8#
84 83.7 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 62.064 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 65 Resp: 77437
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.0

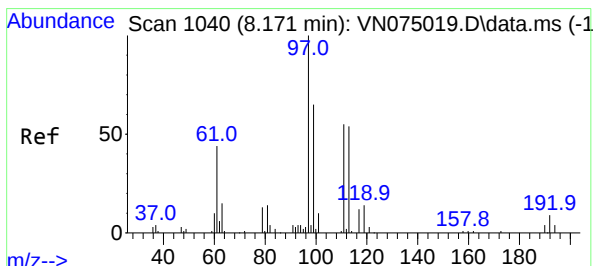
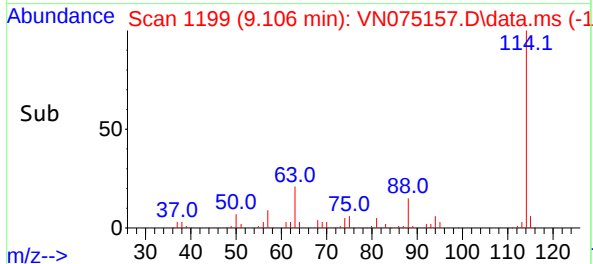
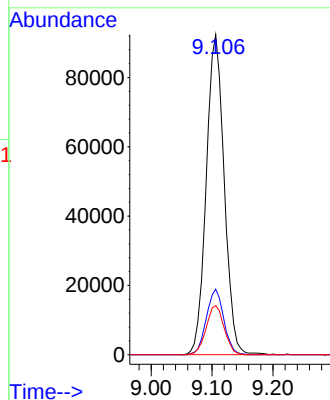
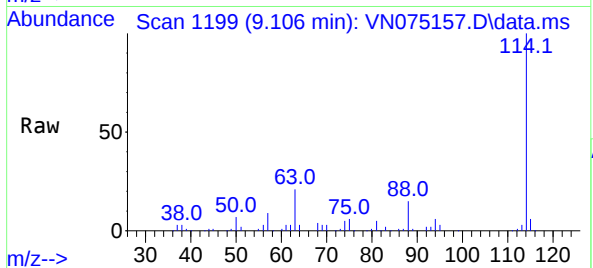




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

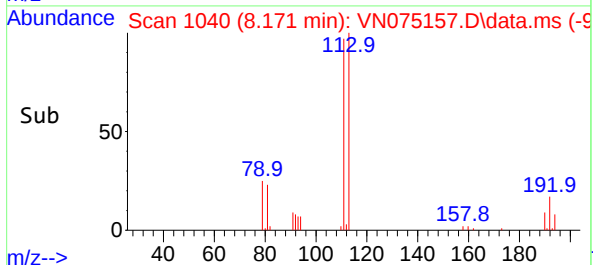
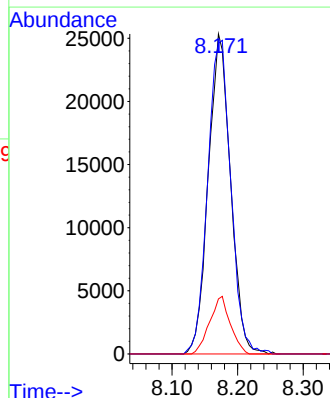
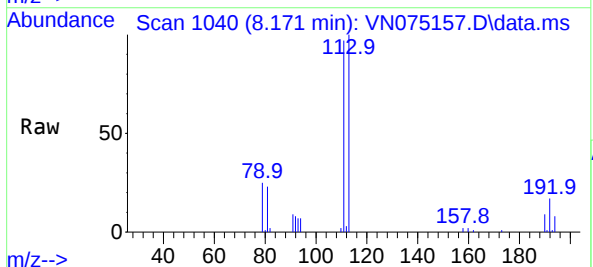
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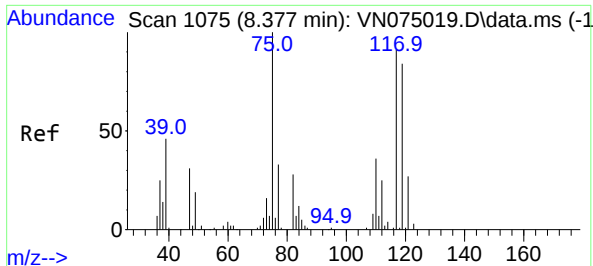
Tgt Ion:114	Resp:	189306
Ion	Ratio	Lower Upper
114	100	
63	20.5	0.0 39.6
88	15.3	0.0 29.0



#35
Dibromofluoromethane
Concen: 53.705 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion:113	Resp:	59684
Ion	Ratio	Lower Upper
113	100	
111	102.2	80.5 120.7
192	16.7	13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 8.230 min Scan# 1075

Delta R.T. -0.147 min

Lab File: VN075157.D

Acq: 03 Nov 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

TP-K

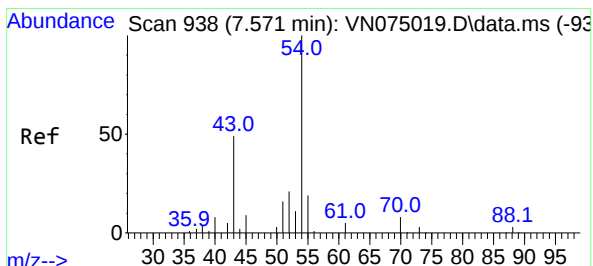
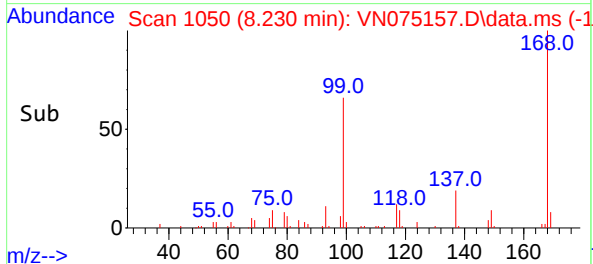
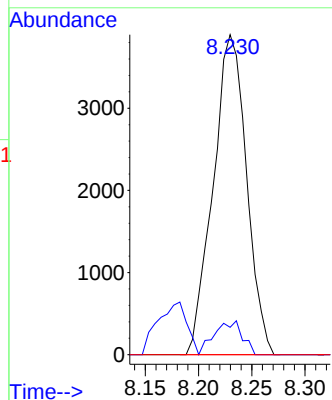
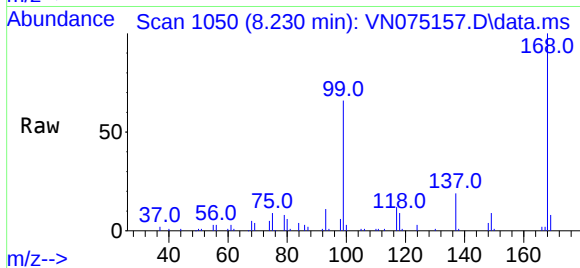
Tgt Ion: 75 Resp: 8504

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 8.632 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075157.D

Acq: 03 Nov 2022 20:25

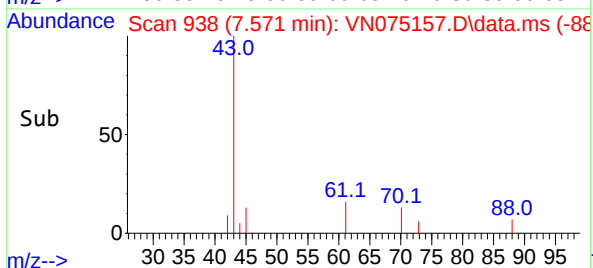
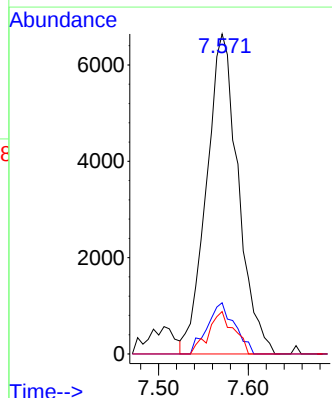
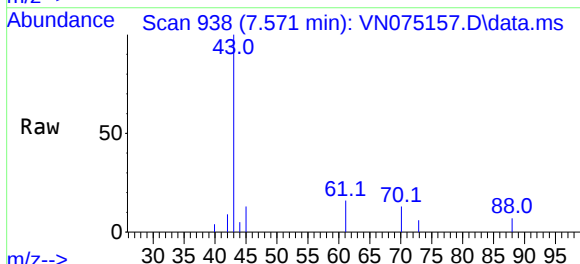
Tgt Ion: 43 Resp: 16288

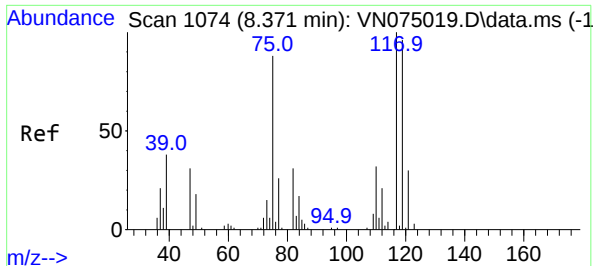
Ion Ratio Lower Upper

43 100

61 13.8 12.2 18.4

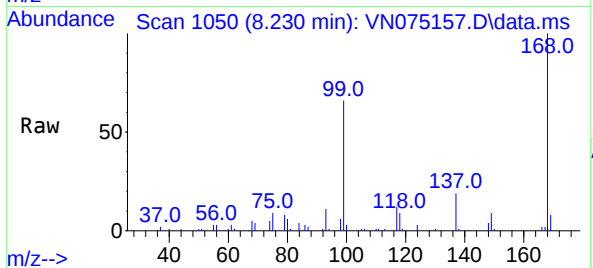
70 10.5 9.4 14.2



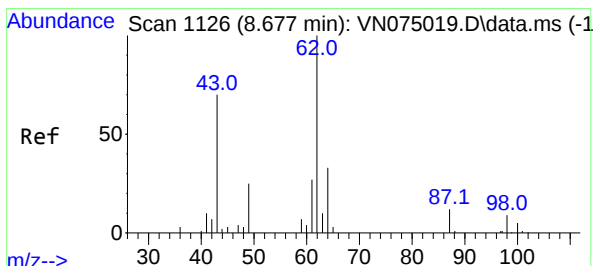
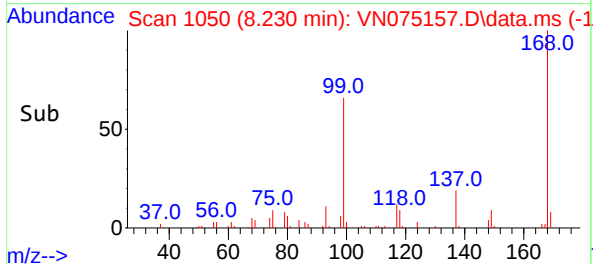
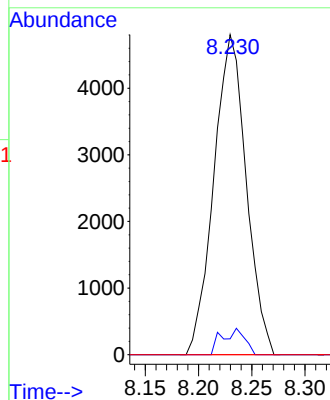


#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Instrument :
MSVOA_N
ClientSampleId :
TP-K

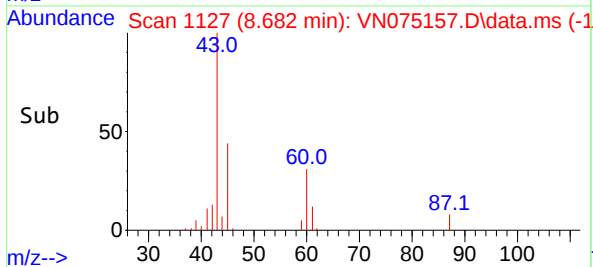
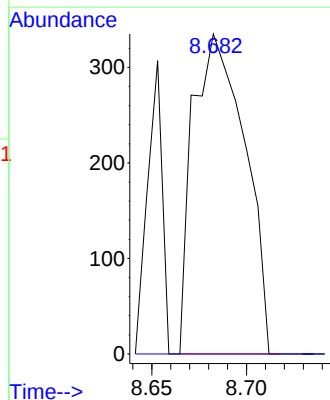
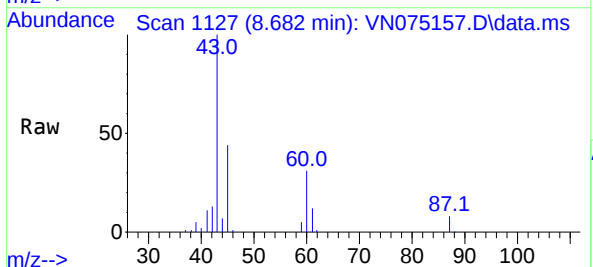


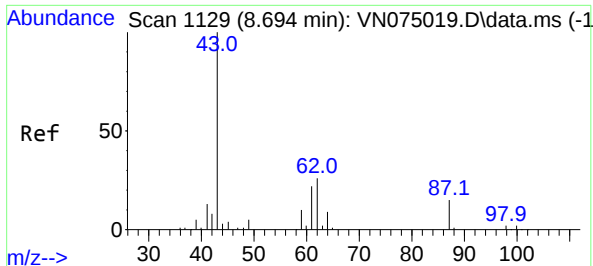
Tgt Ion:117 Resp: 10173
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.333 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 62 Resp: 638
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

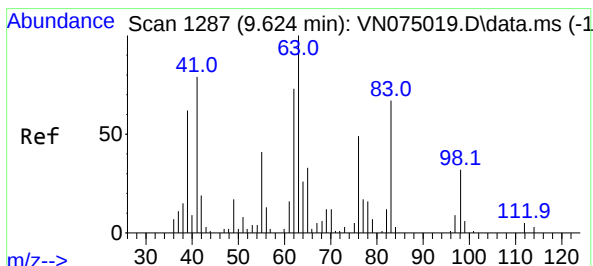
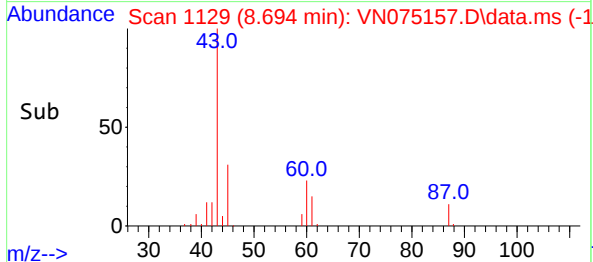
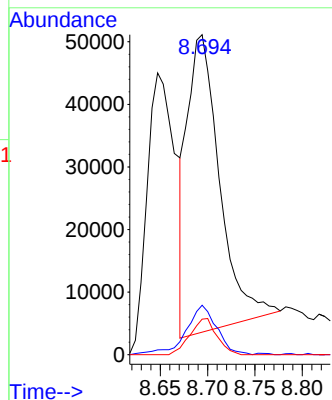
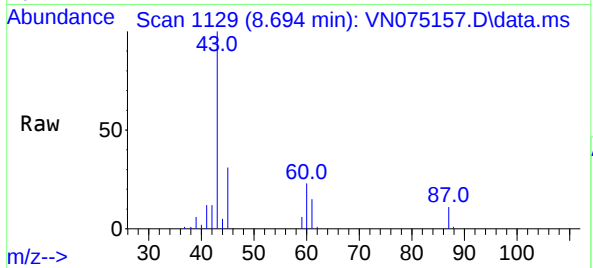




#43
Isopropyl Acetate
Concen: 38.707 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

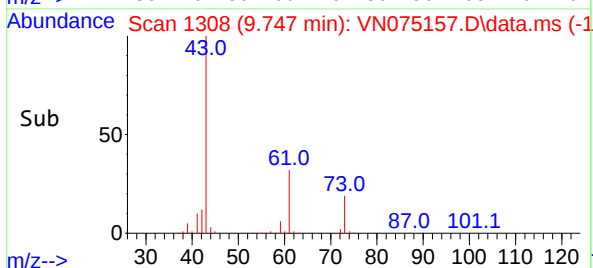
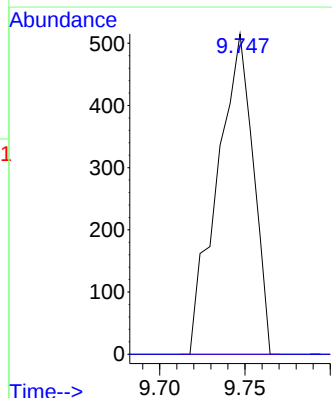
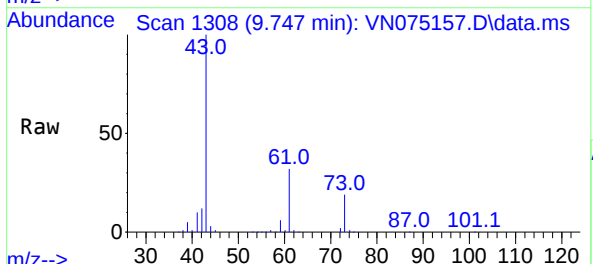
Instrument :
MSVOA_N
ClientSampleId :
TP-K

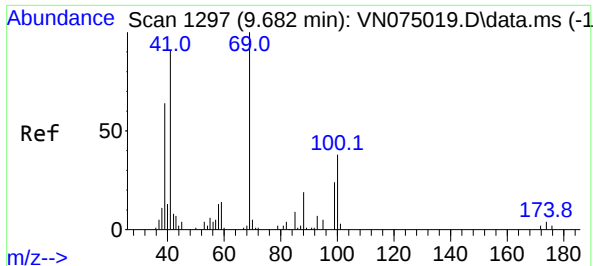
Tgt Ion: 43 Resp: 113288
Ion Ratio Lower Upper
43 100
61 15.8 22.4 33.6#
87 10.0 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.603 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 63 Resp: 756
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.555 ug/l

RT: 9.677 min Scan# 1297

Delta R.T. -0.005 min

Lab File: VN075157.D

Acq: 03 Nov 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

TP-K

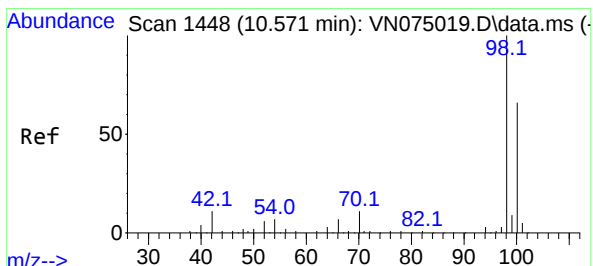
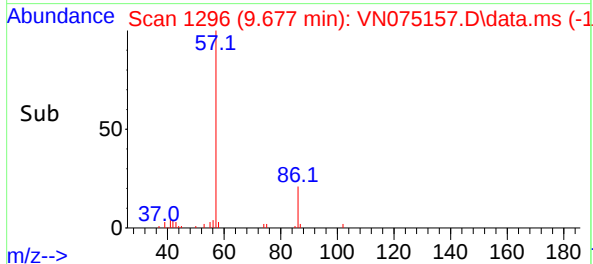
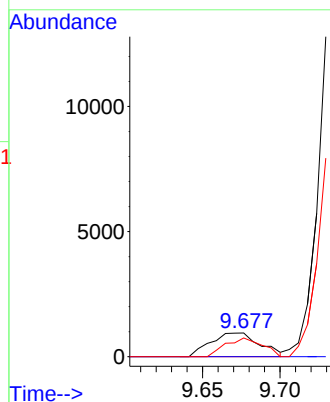
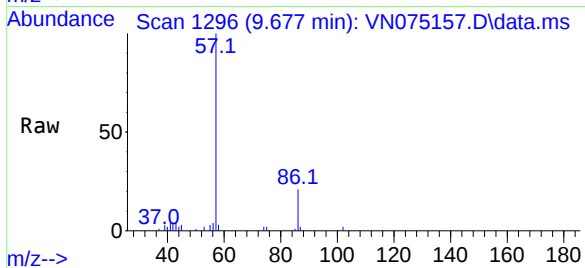
Tgt Ion: 41 Resp: 2088

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 59.1 56.2 84.2



#50

Toluene-d8

Concen: 53.794 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075157.D

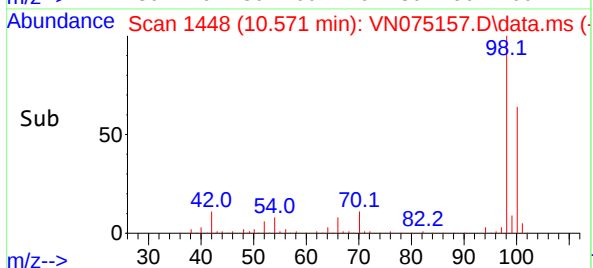
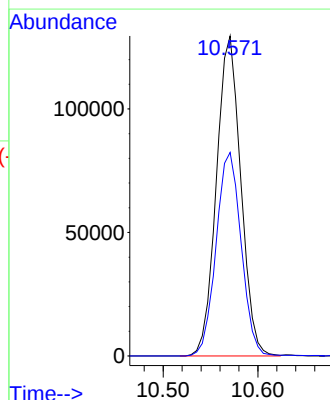
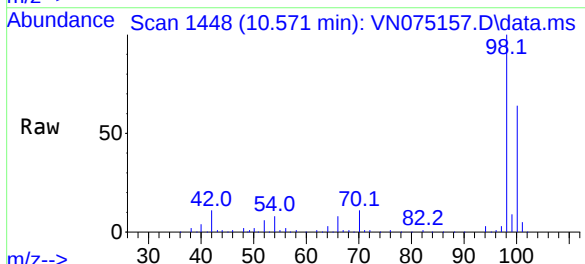
Acq: 03 Nov 2022 20:25

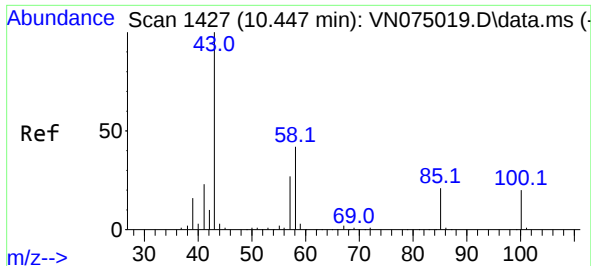
Tgt Ion: 98 Resp: 231938

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6

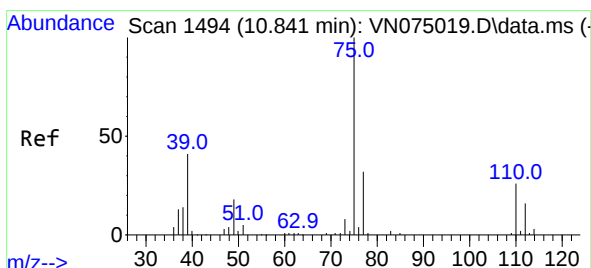
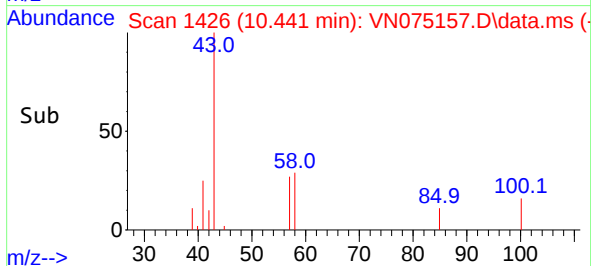
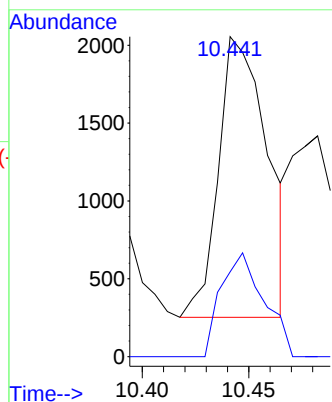
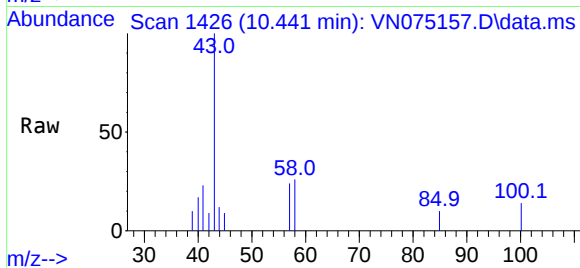




#51
4-Methyl-2-Pentanone
Concen: 1.517 ug/l
RT: 10.441 min Scan# 1427
Delta R.T. -0.006 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

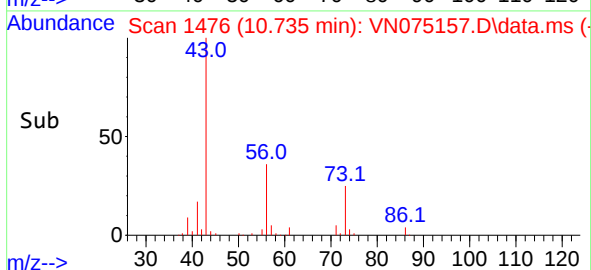
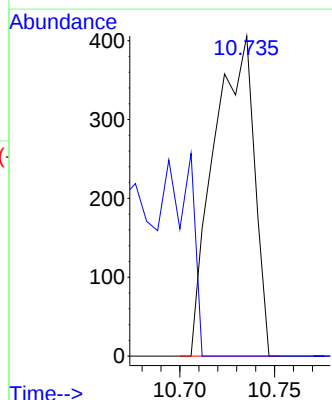
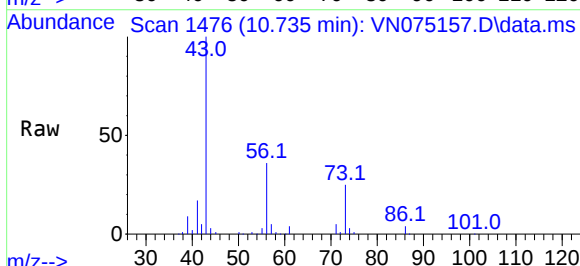
Instrument :
MSVOA_N
ClientSampleId :
TP-K

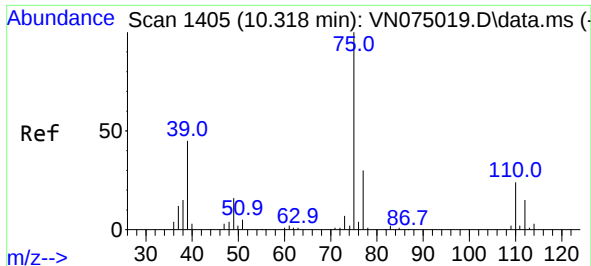
Tgt Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
58 32.7 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.300 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.106 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 75 Resp: 599
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

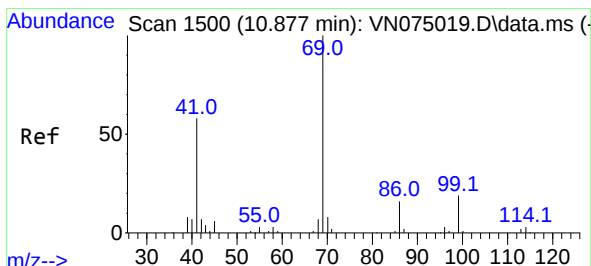
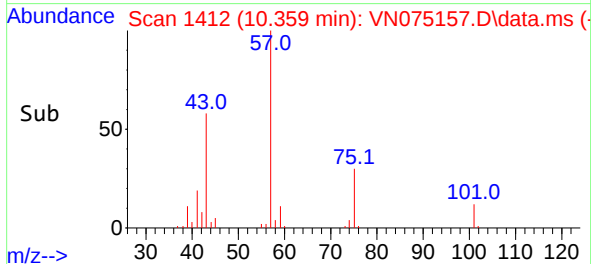
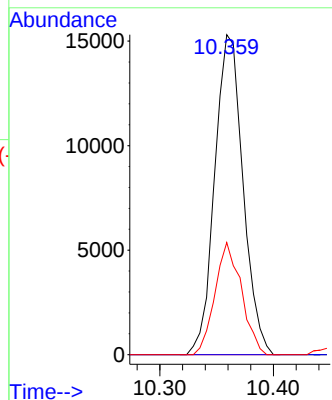
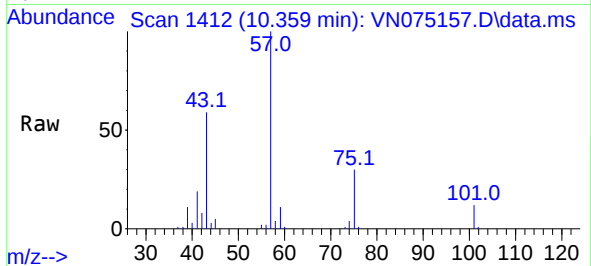




#54
 cis-1,3-Dichloropropene
 Concen: 12.518 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075157.D
 Acq: 03 Nov 2022 20:25

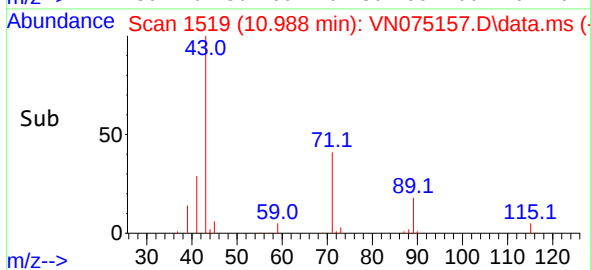
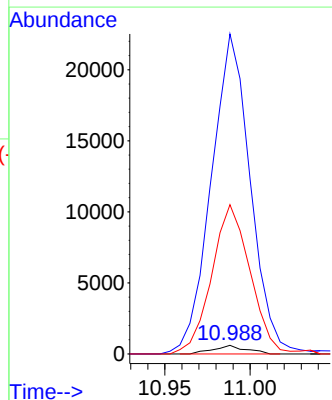
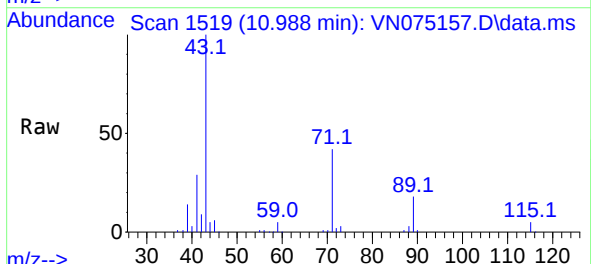
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-K

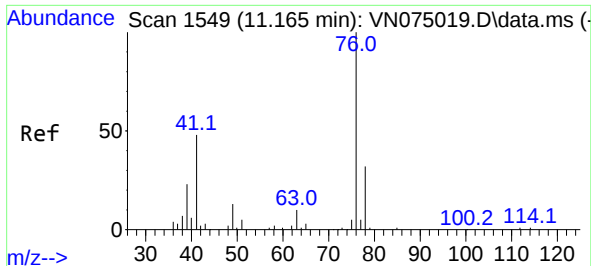
Tgt Ion: 75 Resp: 26507
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 35.1 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.381 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075157.D
 Acq: 03 Nov 2022 20:25

Tgt Ion: 69 Resp: 812
 Ion Ratio Lower Upper
 69 100
 41 4461.6 45.6 68.4#
 39 2045.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.609 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075157.D

Acq: 03 Nov 2022 20:25

Instrument :

MSVOA_N

ClientSampleId :

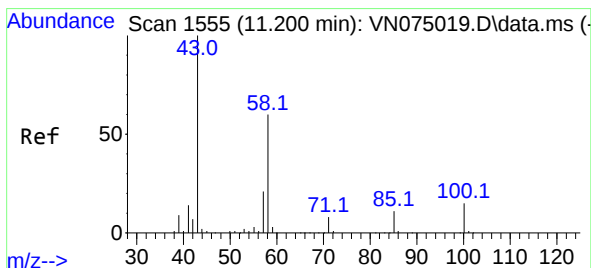
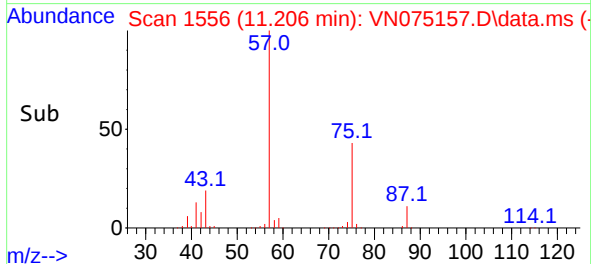
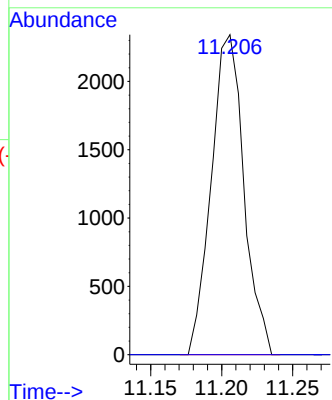
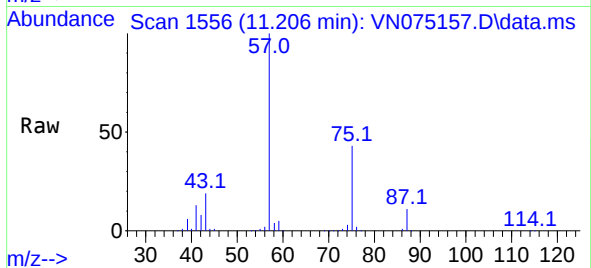
TP-K

Tgt Ion: 76 Resp: 3741

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 37.133 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075157.D

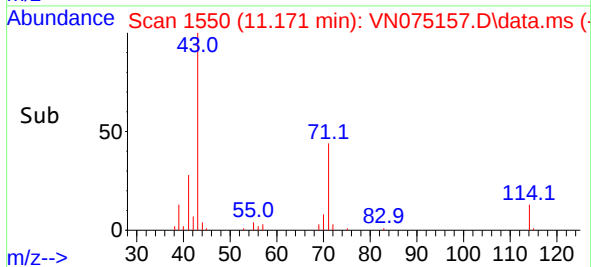
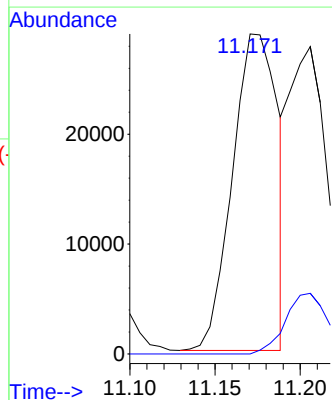
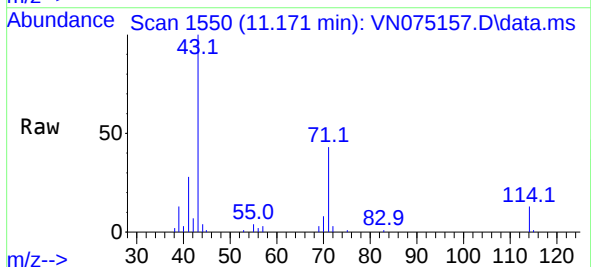
Acq: 03 Nov 2022 20:25

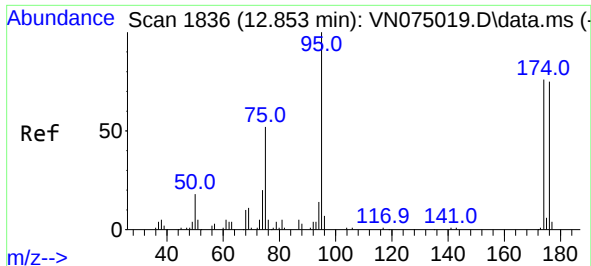
Tgt Ion: 43 Resp: 53228

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

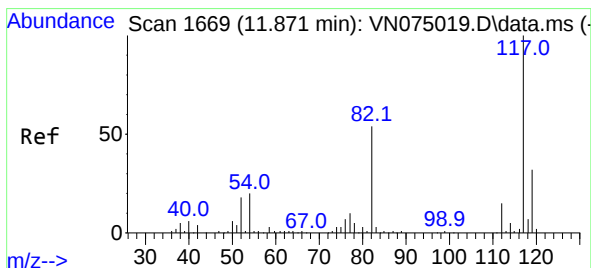
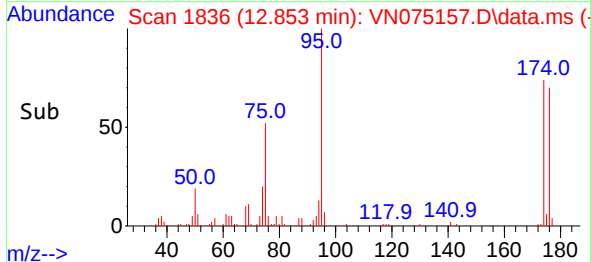
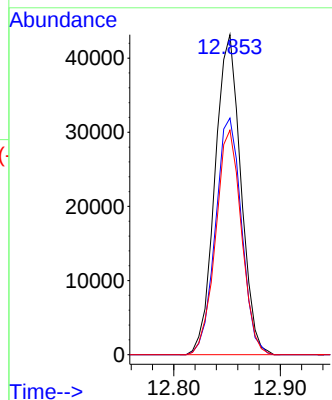
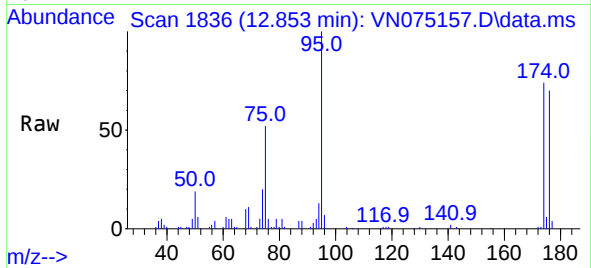




#62
4-Bromofluorobenzene
Concen: 48.008 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

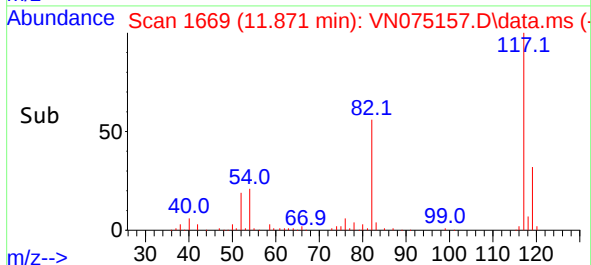
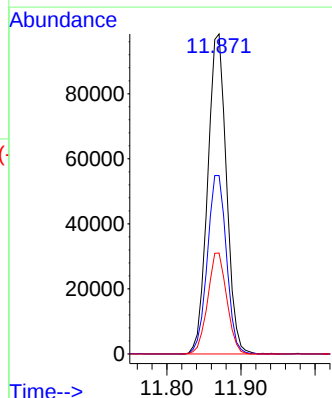
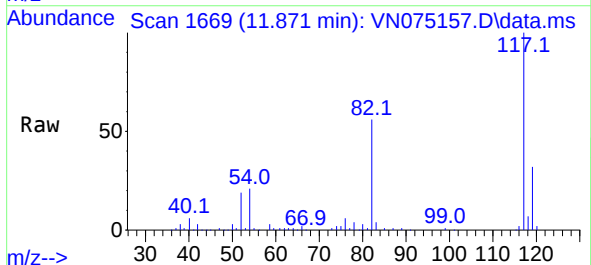
Instrument :
MSVOA_N
ClientSampleId :
TP-K

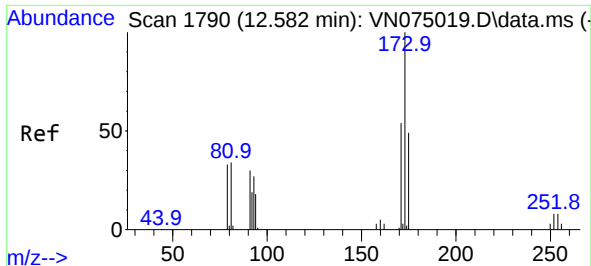
Tgt Ion: 95 Resp: 72712
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.4
176 70.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.001 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 117 Resp: 172933
Ion Ratio Lower Upper
117 100
82 55.8 43.1 64.7
119 31.6 25.5 38.3

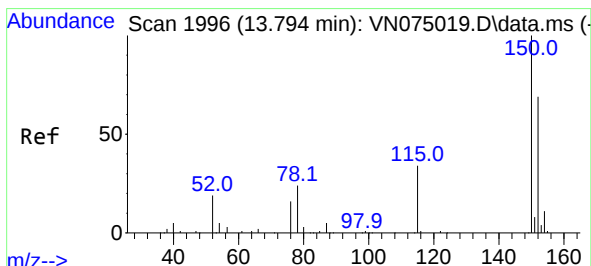
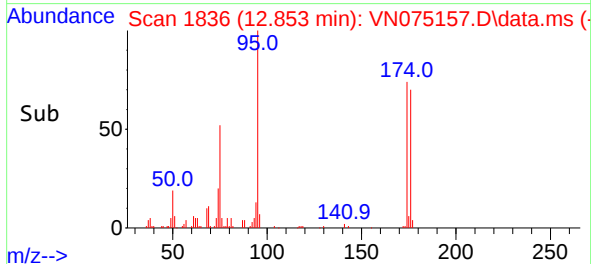
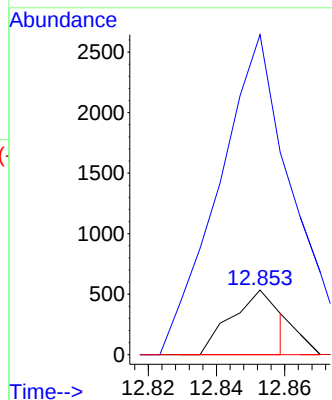
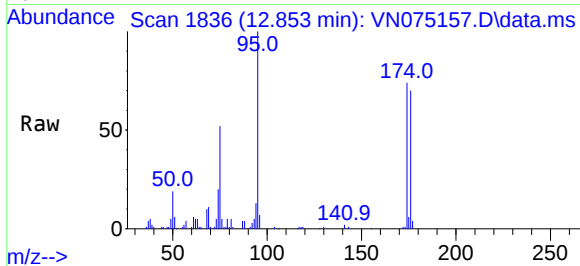




#71
Bromoform
Concen: 0.511 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

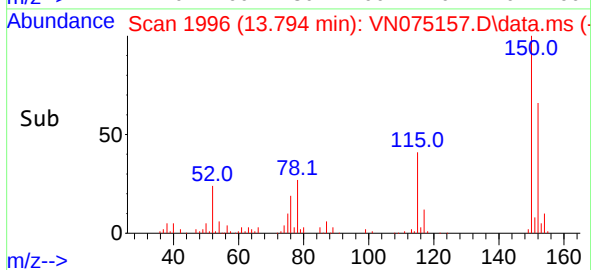
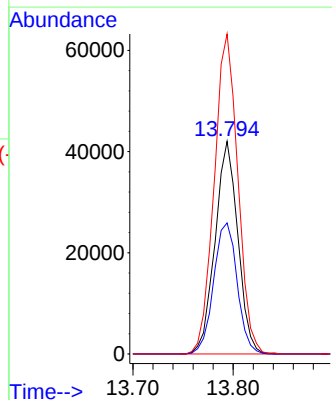
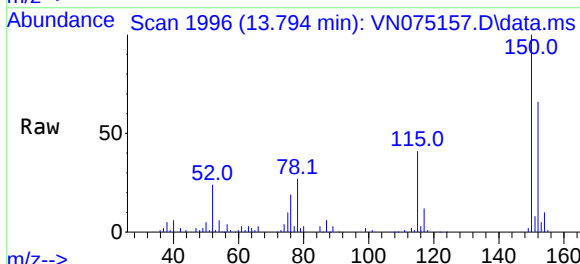
Instrument :
MSVOA_N
ClientSampleId :
TP-K

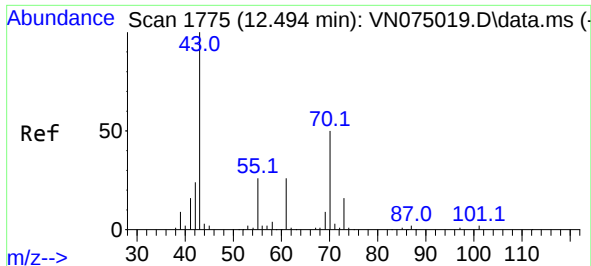
Tgt Ion:173 Resp: 524
Ion Ratio Lower Upper
173 100
175 617.7 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion:152 Resp: 66419
Ion Ratio Lower Upper
152 100
115 63.6 30.2 90.6
150 155.9 0.0 348.4



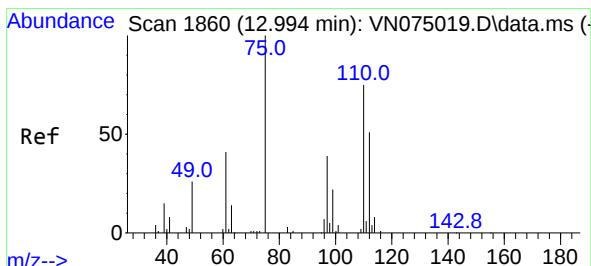
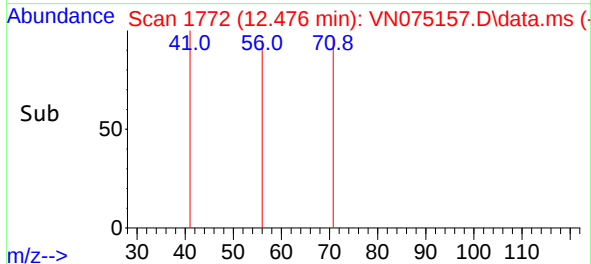
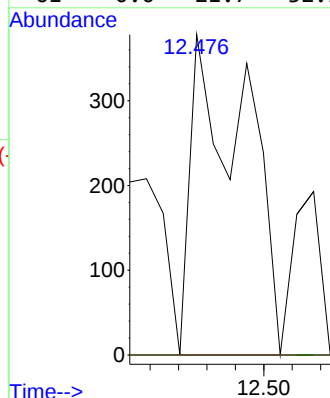
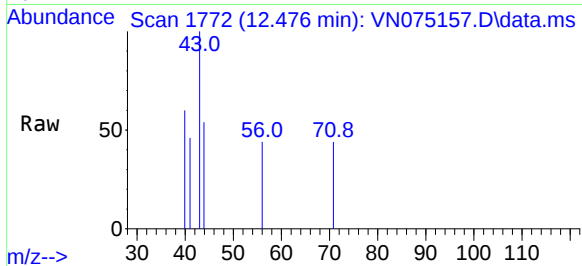


#74
N-amy1 acetate
Concen: 0.254 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Instrument :
MSVOA_N
ClientSampleId :
TP-K

Tgt Ion: 43 Resp: 500

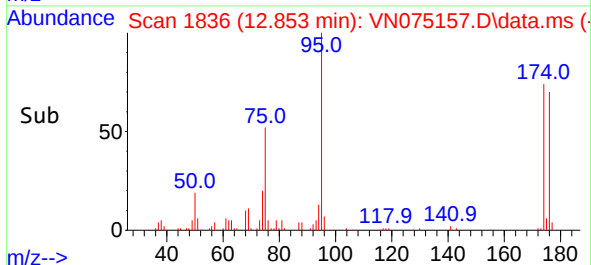
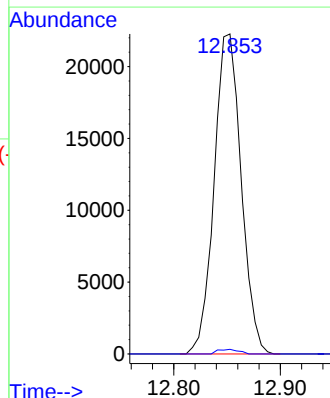
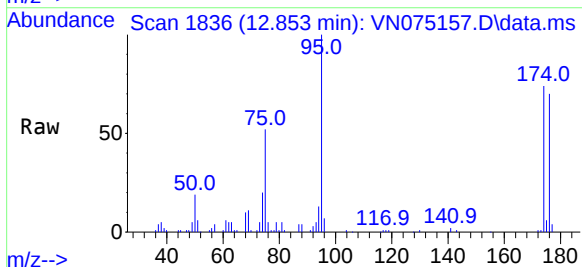
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

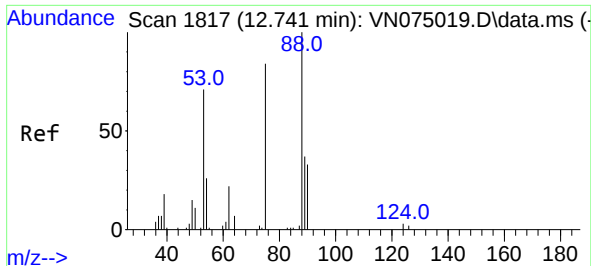


#76
1,2,3-Trichloropropane
Concen: 27.828 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Tgt Ion: 75 Resp: 39245

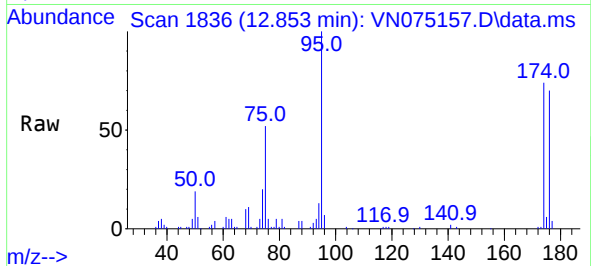
Ion	Ratio	Lower	Upper
75	100		
77	1.1	75.6	226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.435 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075157.D
Acq: 03 Nov 2022 20:25

Instrument :
MSVOA_N
ClientSampleId :
TP-K



Tgt Ion: 75 Resp: 39245
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

