

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072467.D
 Acq On : 12 May 2022 20:58
 Operator : JC\MD
 Sample : N2760-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-34

Quant Time: May 13 02:50:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

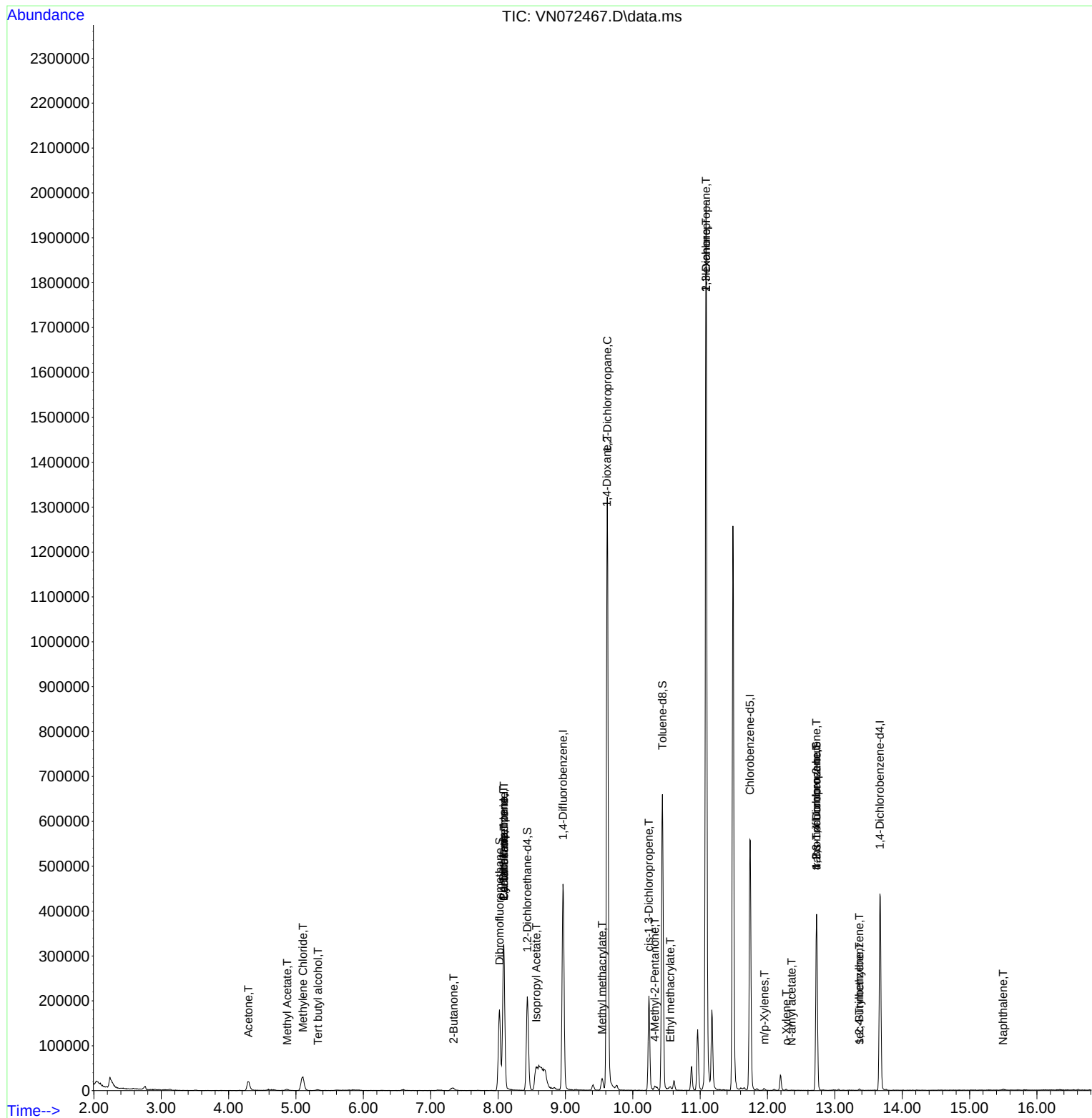
Internal Standards						
1) Pentafluorobenzene	8.086	168	242355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	400300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	323830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	124655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	183290	49.377	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.760%		
35) Dibromofluoromethane	8.022	113	127545	47.892	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.780%		
50) Toluene-d8	10.439	98	451914	44.555	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.120%		
62) 4-Bromofluorobenzene	12.727	95	134755	40.005	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	80.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	352	Below Cal	#	43
6) Chloroethane	2.963	64	306	Below Cal	#	42
11) Tert butyl alcohol	5.328	59	905	1.491	ug/l #	72
16) Acetone	4.292	43	40099	27.276	ug/l #	82
18) Methyl Acetate	4.869	43	5596	1.293	ug/l	91
20) Methylene Chloride	5.104	84	24517	8.134	ug/l	95
25) 2-Butanone	7.339	43	7369	3.176	ug/l	94
31) Cyclohexane	8.086	56	4776	0.971	ug/l #	21
36) 1,1-Dichloropropene	8.080	75	18415	4.814	ug/l #	49
38) Carbon Tetrachloride	8.086	117	26152	6.109	ug/l #	15
43) Isopropyl Acetate	8.569	43	65092	9.234	ug/l #	69
45) 1,2-Dichloropropane	9.621	63	1619	0.555	ug/l #	44
48) Methyl methacrylate	9.545	41	7101	2.159	ug/l #	10
49) 1,4-Dioxane	9.616	88	56	0.998	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	6312	1.442	ug/l	92
54) cis-1,3-Dichloropropene	10.239	75	37729	8.387	ug/l #	70
56) Ethyl methacrylate	10.557	69	3608	0.858	ug/l #	80
57) 1,3-Dichloropropane	11.086	76	20588	4.119	ug/l #	42
59) 2-Hexanone	11.086	43	317962	103.598	ug/l #	44
68) m/p-Xylenes	11.957	106	1551	0.358	ug/l	95
69) o-Xylene	12.280	106	943	0.222	ug/l	73
74) N-amyl acetate	12.357	43	1261	0.345	ug/l #	39
76) 1,2,3-Trichloropropane	12.727	75	74729	22.985	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	74729	76.678	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.362	105	2165	0.263	ug/l	95
85) sec-Butylbenzene	13.362	105	2165	0.219	ug/l #	56
95) Naphthalene	15.498	128	3089	3.662	ug/l #	82

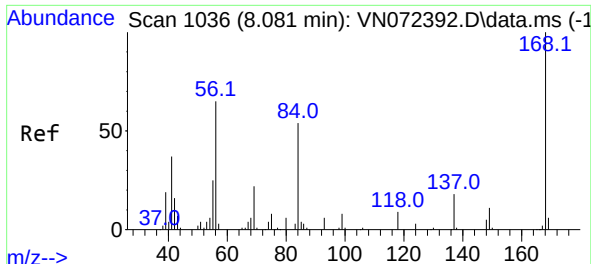
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

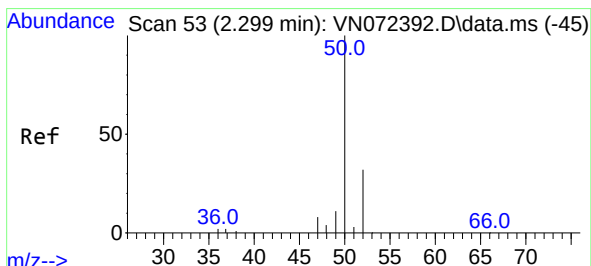
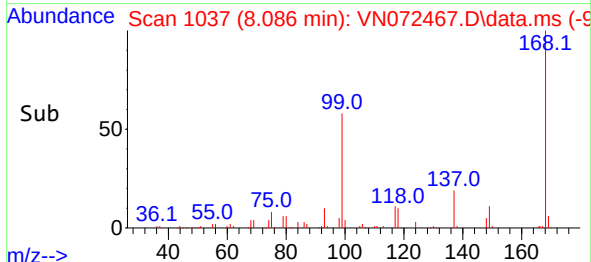
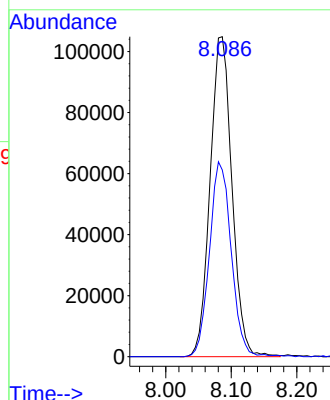
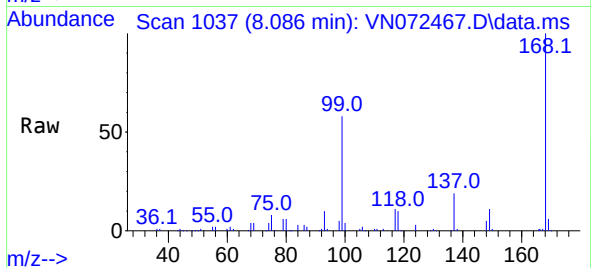




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

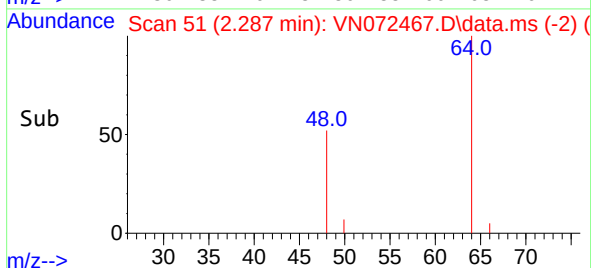
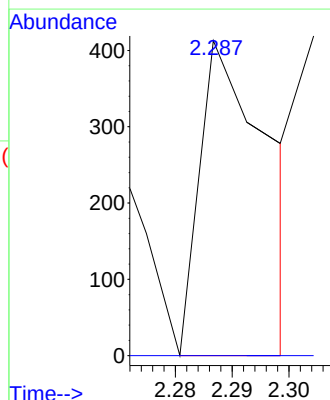
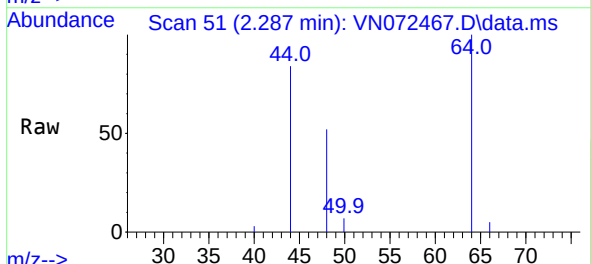
Instrument :
MSVOA_N
ClientSampleId :
TP-34

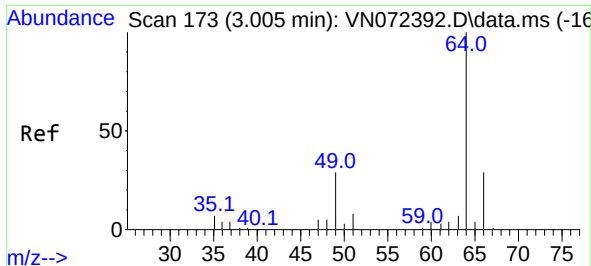
Tgt Ion:168 Resp: 242355
Ion Ratio Lower Upper
168 100
99 58.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

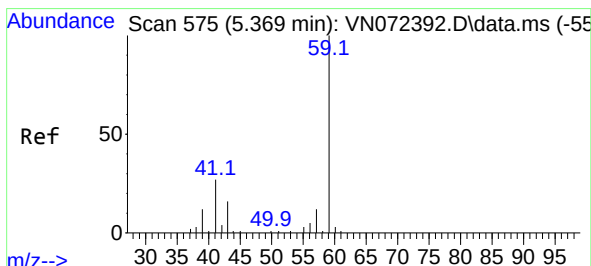
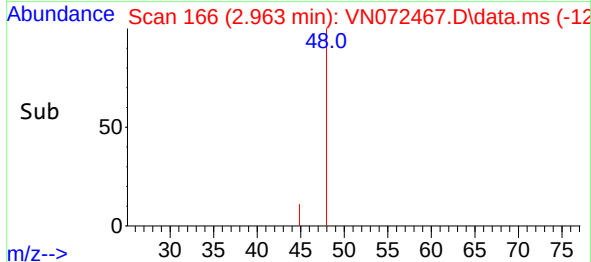
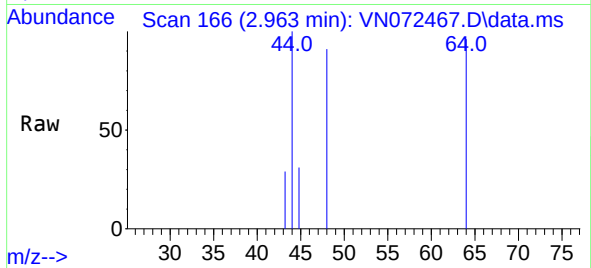




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 1
Delta R.T. -0.042 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

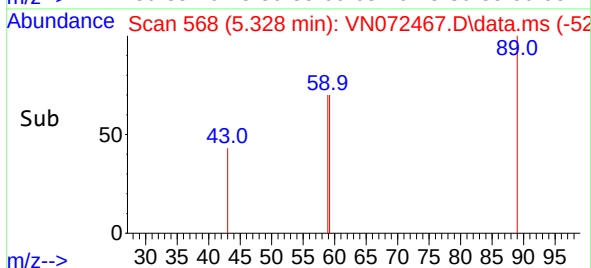
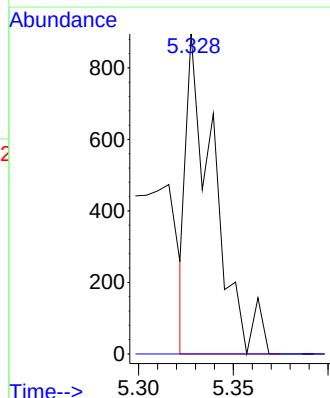
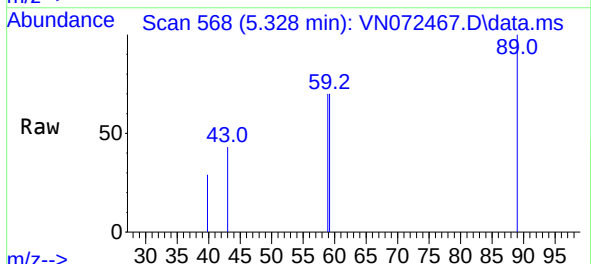
Instrument :
MSVOA_N
ClientSampleId :
TP-34

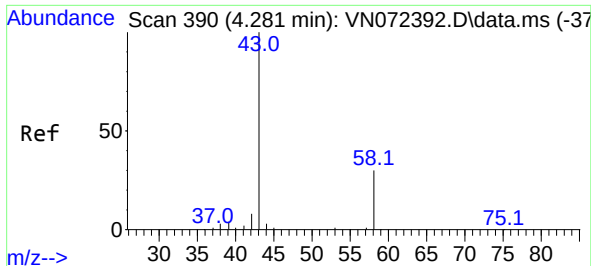
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.491 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.041 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

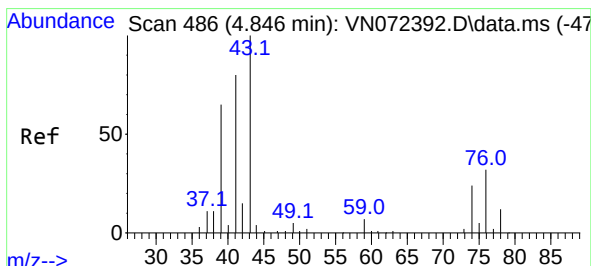
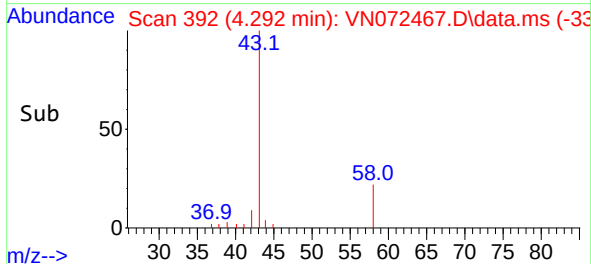
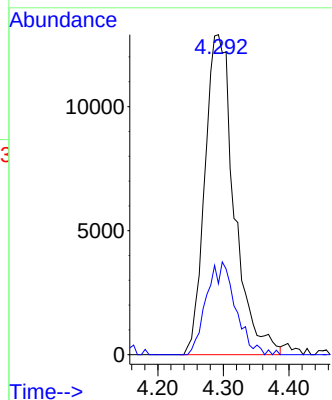
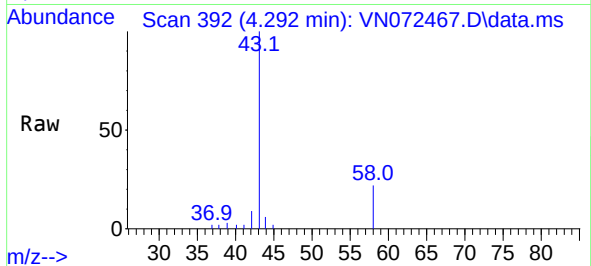




#16
Acetone
Concen: 27.276 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.011 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

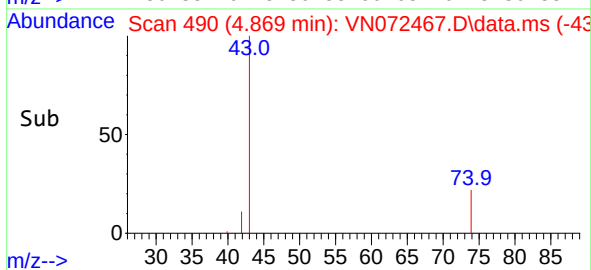
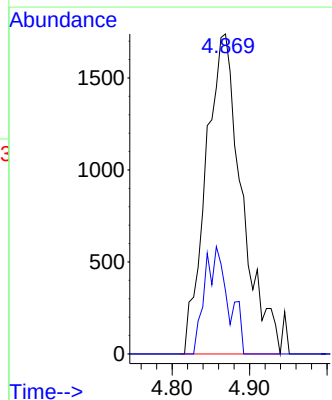
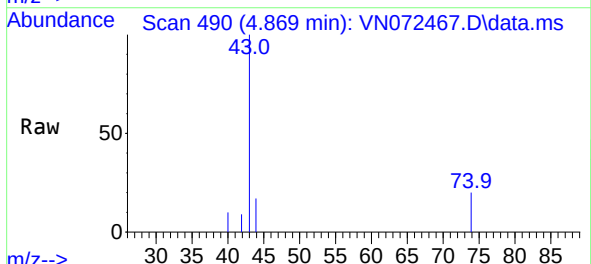
Instrument :
MSVOA_N
ClientSampleId :
TP-34

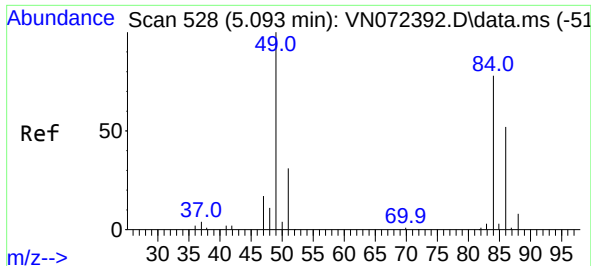
Tgt Ion: 43 Resp: 40099
Ion Ratio Lower Upper
43 100
58 22.2 26.0 39.0#



#18
Methyl Acetate
Concen: 1.293 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 43 Resp: 5596
Ion Ratio Lower Upper
43 100
74 22.1 21.6 32.4



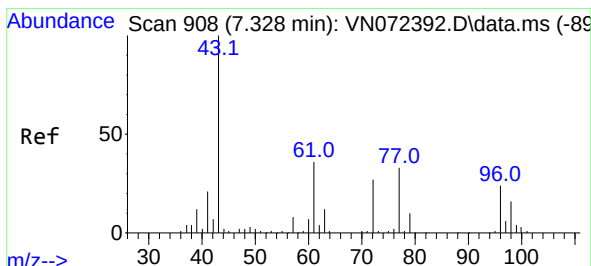
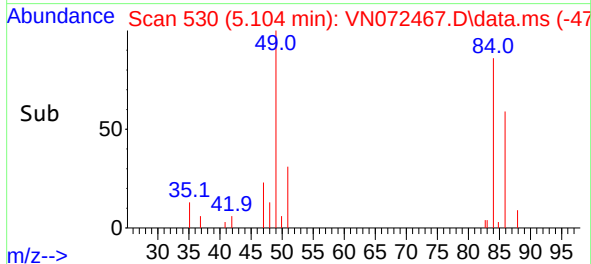
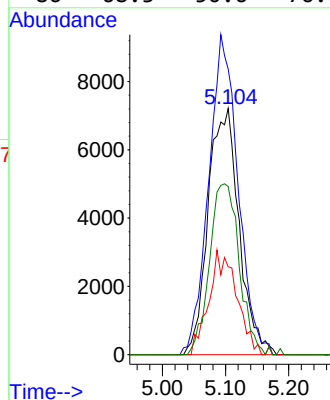
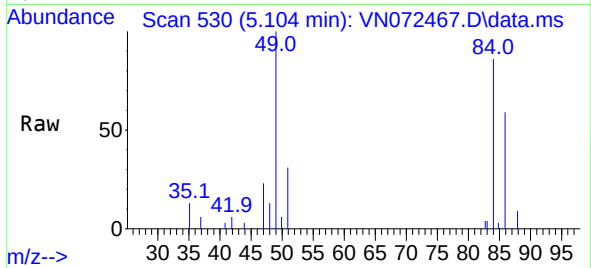


#20
Methylene Chloride
Concen: 8.134 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Instrument :
MSVOA_N
ClientSampleId :
TP-34

Tgt Ion: 84 Resp: 24517

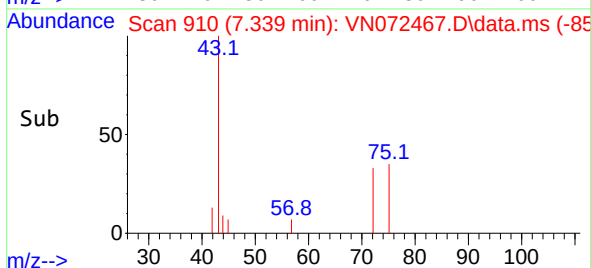
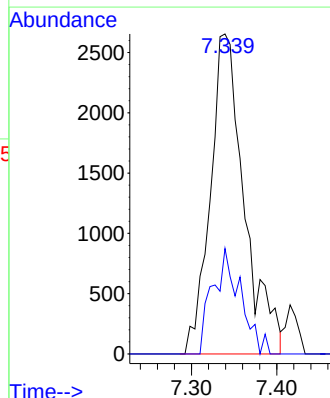
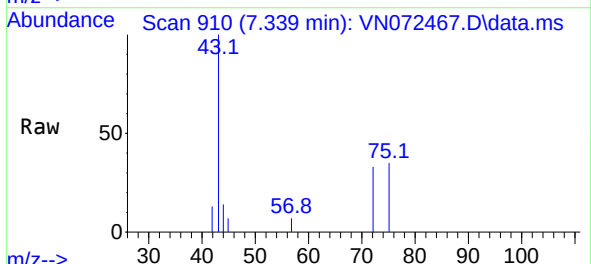
Ion	Ratio	Lower	Upper
84	100		
49	116.0	88.3	132.5
51	35.7	28.2	42.2
86	68.3	50.6	76.0

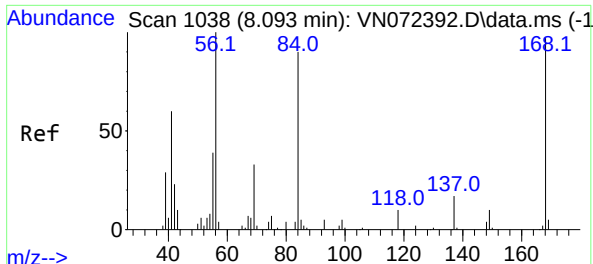


#25
2-Butanone
Concen: 3.176 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 43 Resp: 7369

Ion	Ratio	Lower	Upper
43	100		
72	32.9	23.7	35.5





#31

Cyclohexane

Concen: 0.971 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.007 min

Lab File: VN072467.D

Acq: 12 May 2022 20:58

Instrument :

MSVOA_N

ClientSampleId :

TP-34

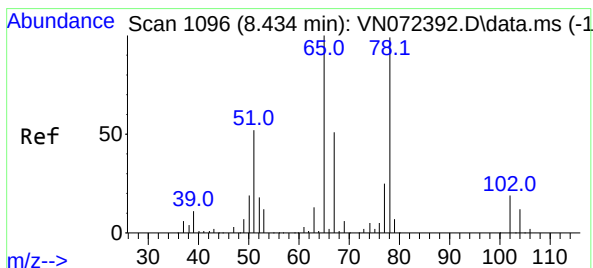
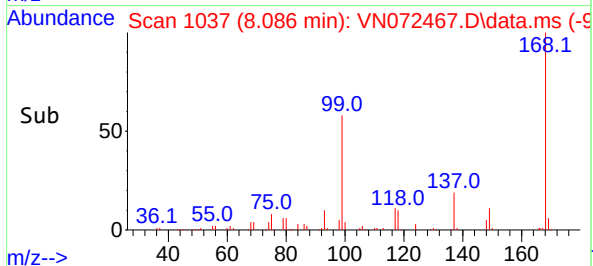
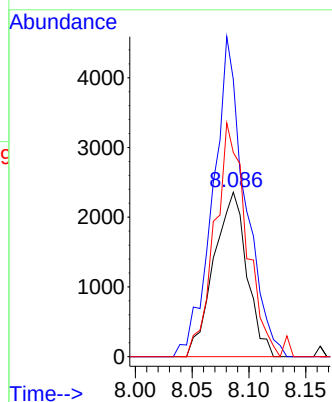
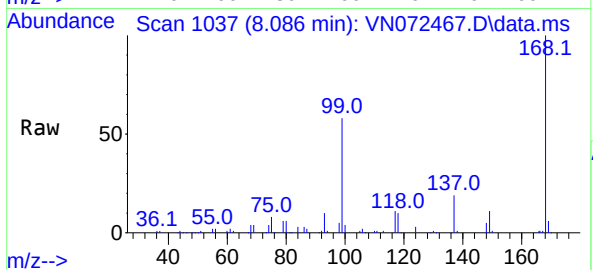
Tgt Ion: 56 Resp: 4776

Ion Ratio Lower Upper

56 100

69 161.6 27.8 41.8#

84 124.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 49.377 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072467.D

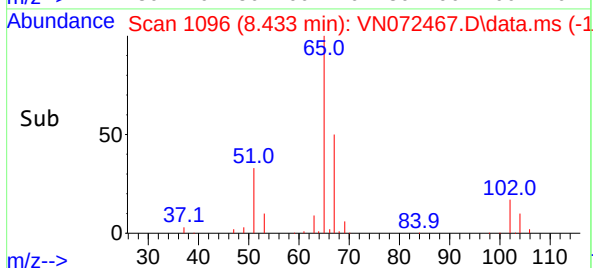
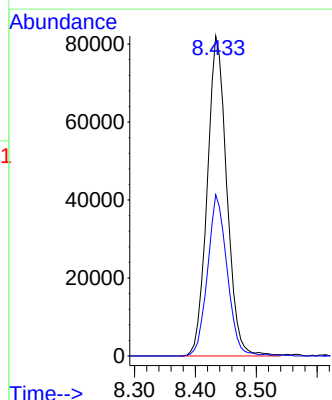
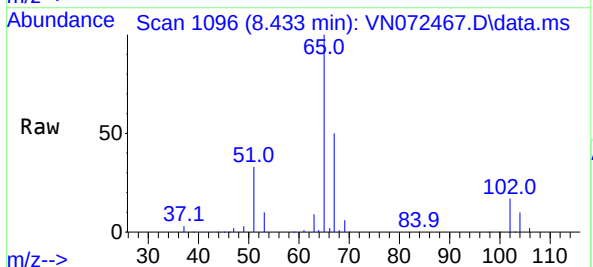
Acq: 12 May 2022 20:58

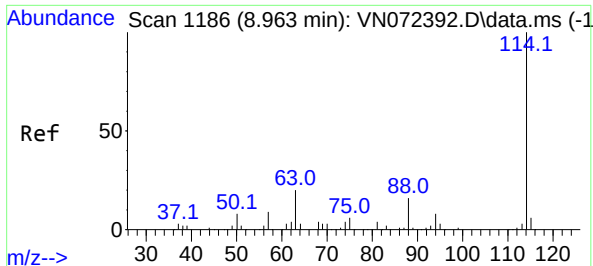
Tgt Ion: 65 Resp: 183290

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.8

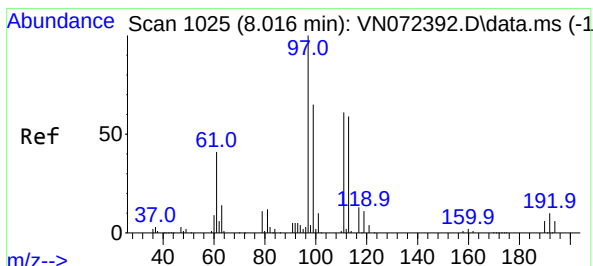
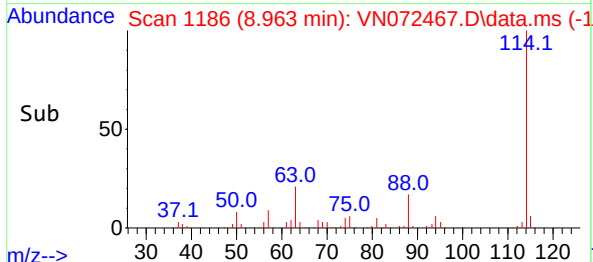
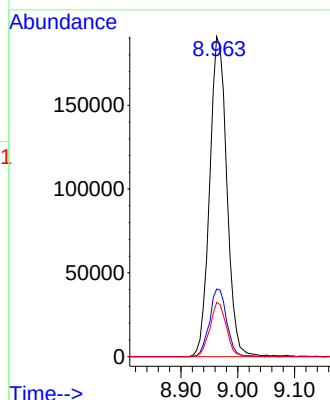
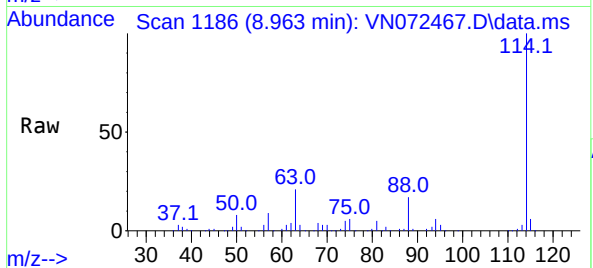




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

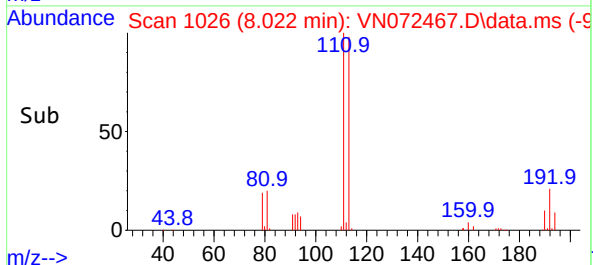
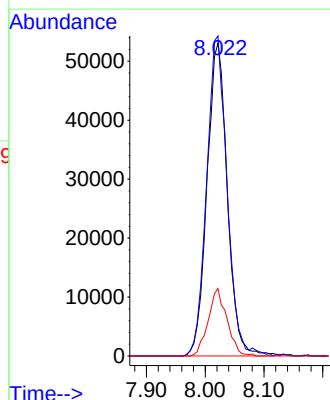
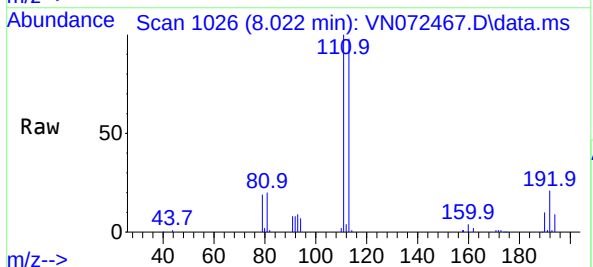
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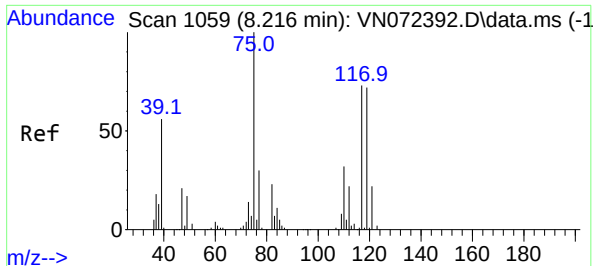
Tgt Ion:114 Resp: 400300
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 17.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.892 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion:113 Resp: 127545
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 19.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072467.D

Acq: 12 May 2022 20:58

Instrument :

MSVOA_N

ClientSampleId :

TP-34

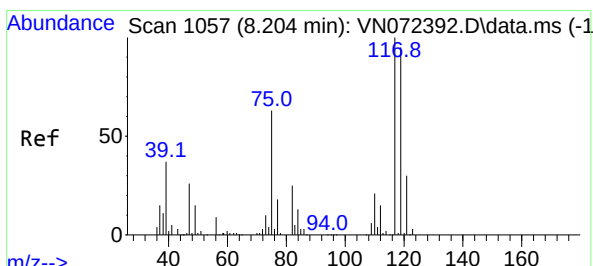
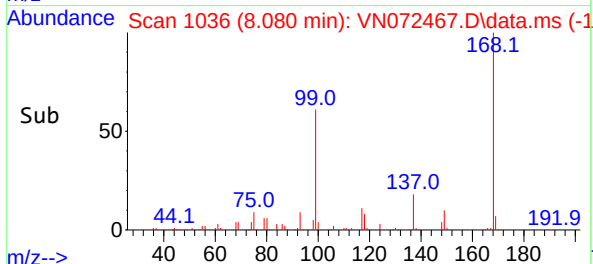
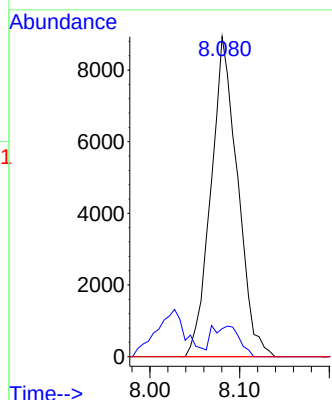
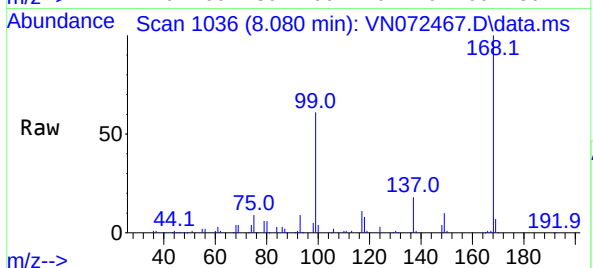
Tgt Ion: 75 Resp: 18415

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.109 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN072467.D

Acq: 12 May 2022 20:58

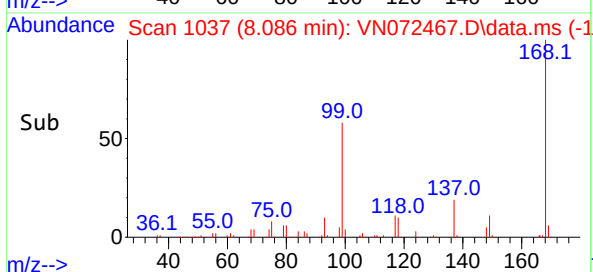
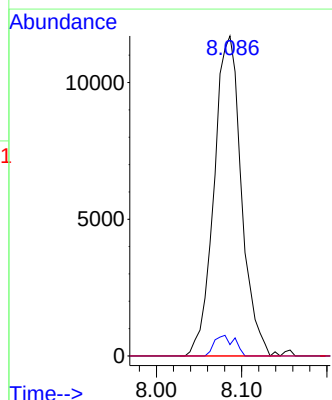
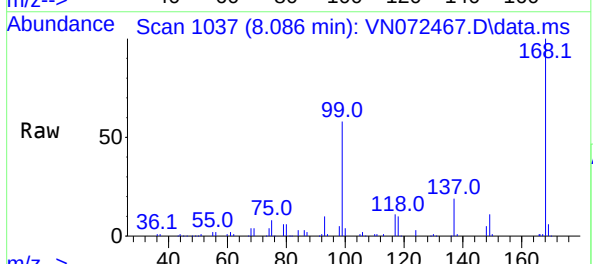
Tgt Ion: 117 Resp: 26152

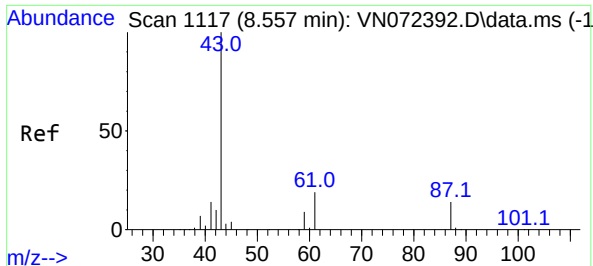
Ion Ratio Lower Upper

117 100

119 3.5 75.8 113.8#

121 0.0 24.6 37.0#

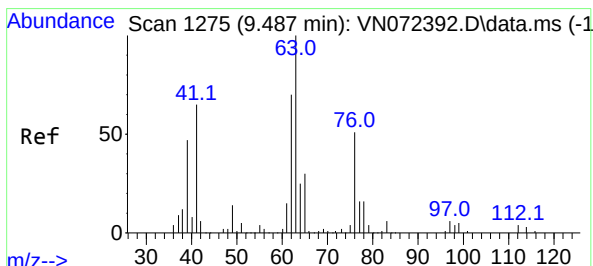
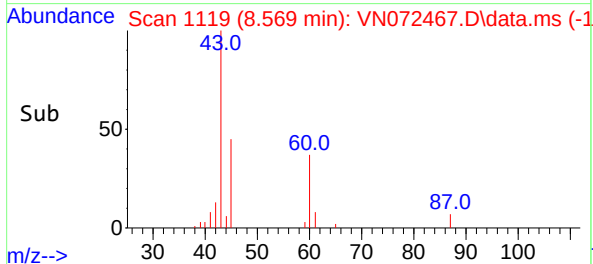
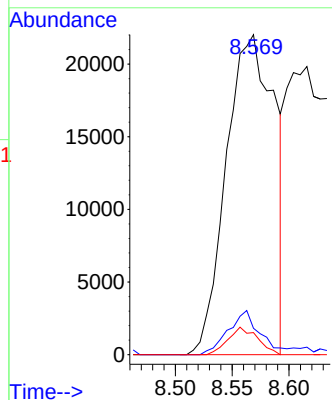
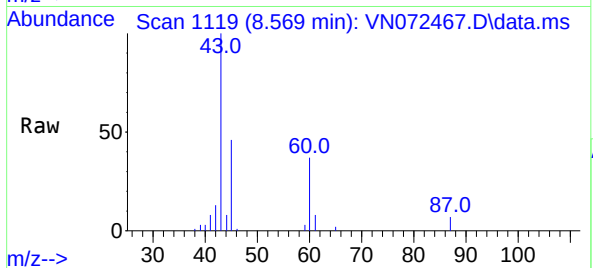




#43
Isopropyl Acetate
Concen: 9.234 ug/l
RT: 8.569 min Scan# 1117
Delta R.T. 0.012 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

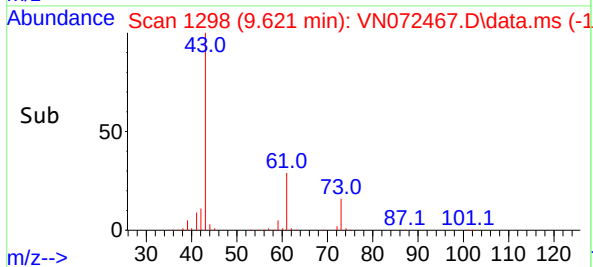
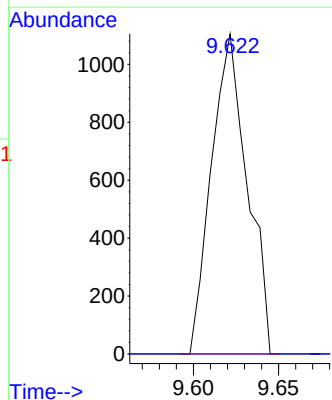
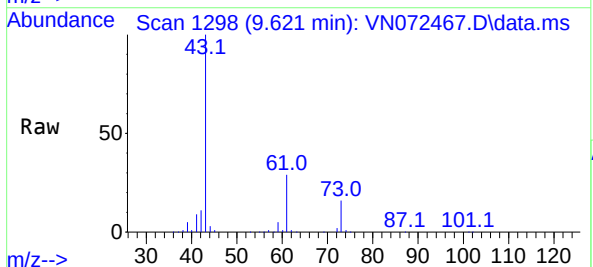
Instrument :
MSVOA_N
ClientSampleId :
TP-34

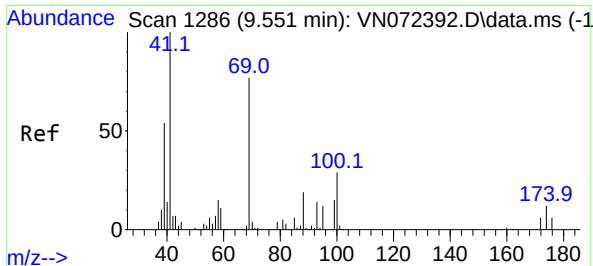
Tgt Ion: 43 Resp: 65092
Ion Ratio Lower Upper
43 100
61 9.1 21.9 32.9#
87 5.3 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.555 ug/l
RT: 9.621 min Scan# 1298
Delta R.T. 0.134 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 63 Resp: 1619
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

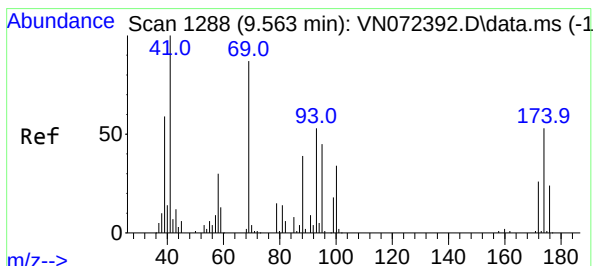
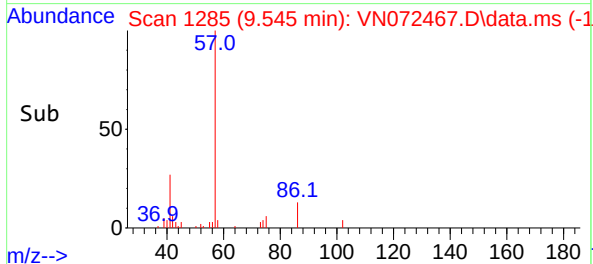
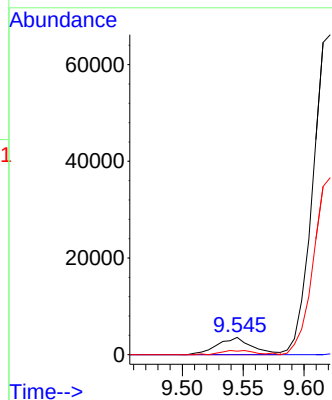
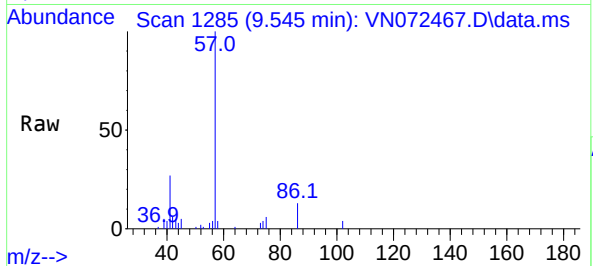




#48
Methyl methacrylate
Concen: 2.159 ug/l
RT: 9.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

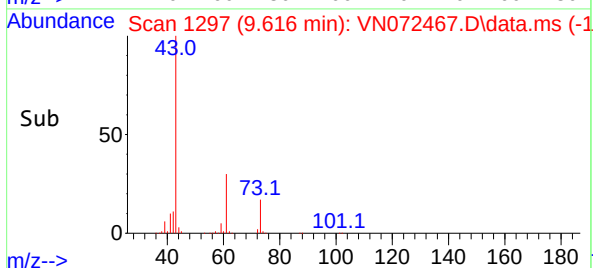
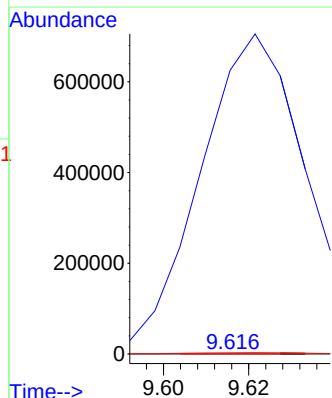
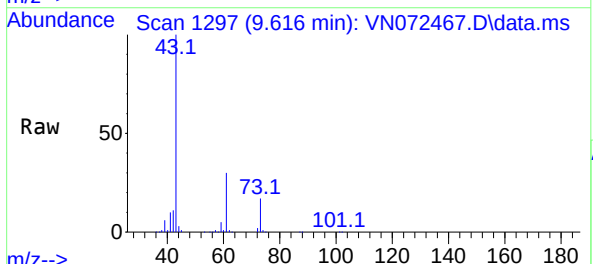
Instrument :
MSVOA_N
ClientSampleId :
TP-34

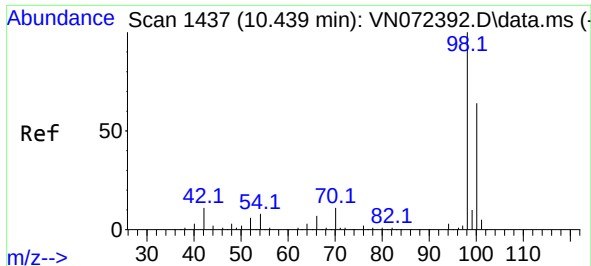
Tgt Ion: 41 Resp: 7101
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.998 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 2295683.9 20.2 30.4#
58 9889.3 54.2 81.4#

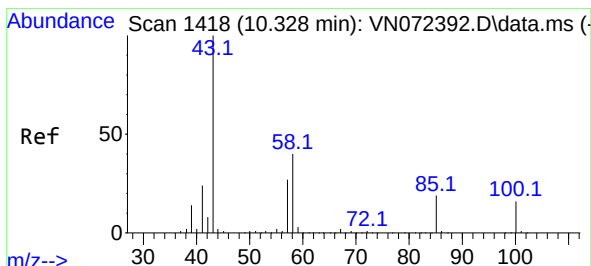
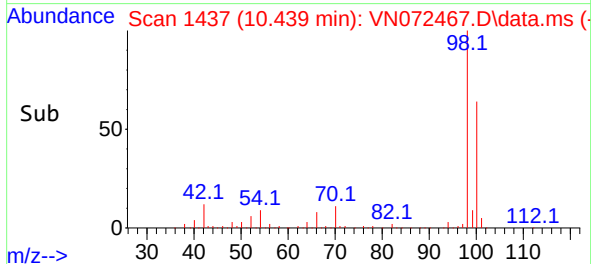
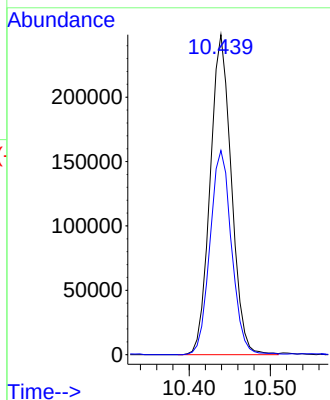
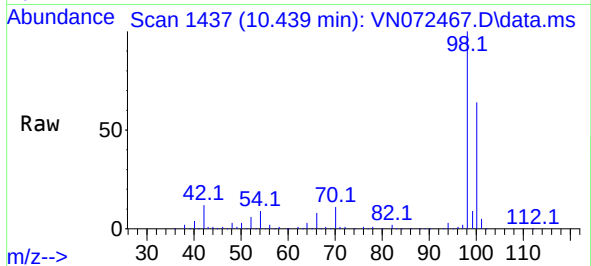




#50
Toluene-d8
Concen: 44.555 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

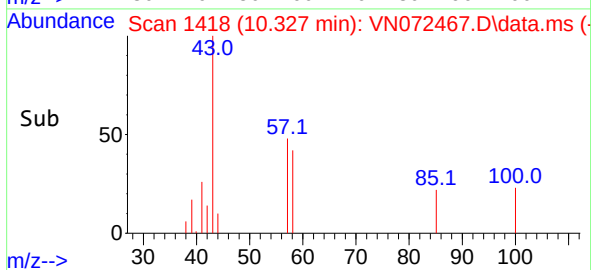
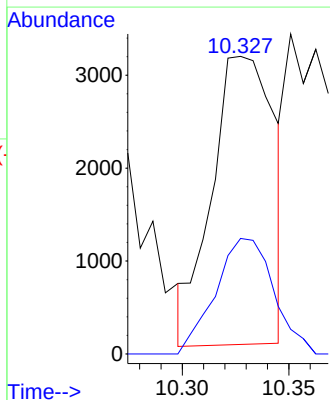
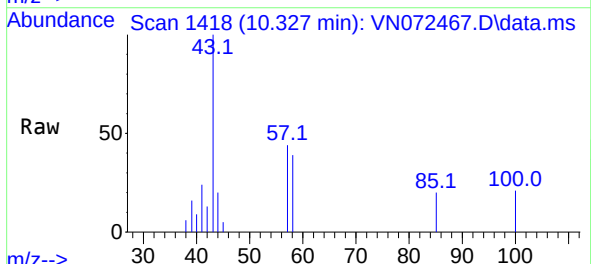
Instrument :
MSVOA_N
ClientSampleId :
TP-34

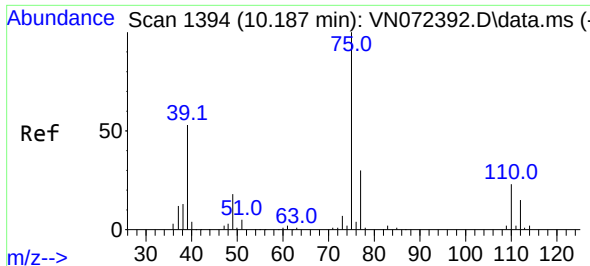
Tgt Ion: 98 Resp: 451914
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.442 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 43 Resp: 6312
Ion Ratio Lower Upper
43 100
58 37.6 34.1 51.1

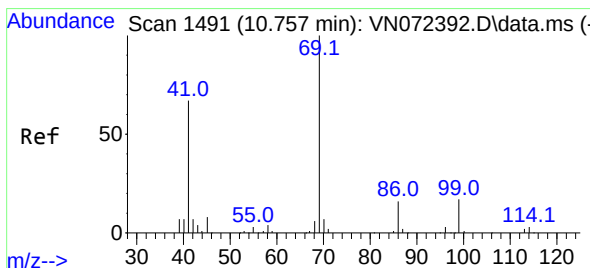
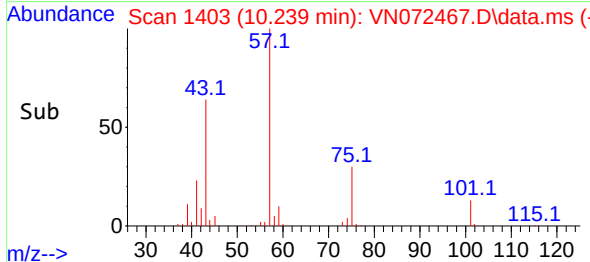
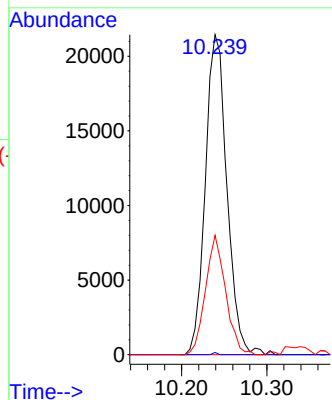
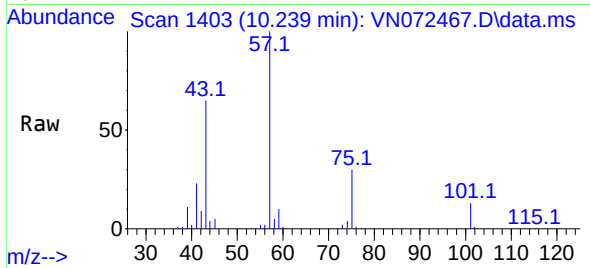




#54
cis-1,3-Dichloropropene
Concen: 8.387 ug/l
RT: 10.239 min Scan# 1457
Delta R.T. 0.052 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

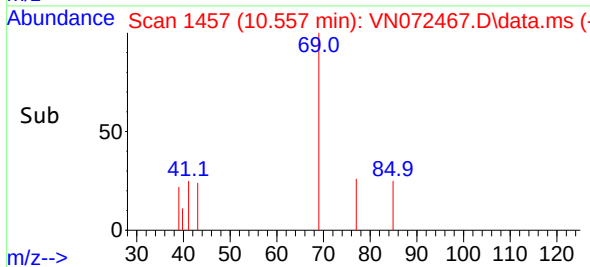
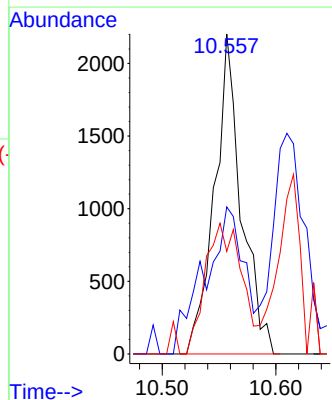
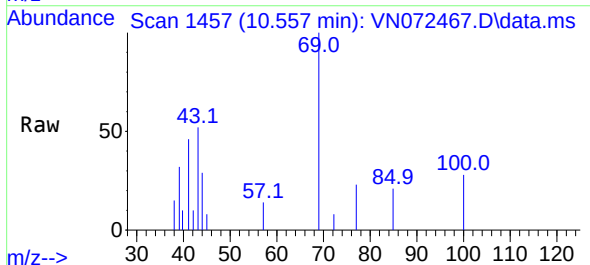
Instrument :
MSVOA_N
ClientSampleId :
TP-34

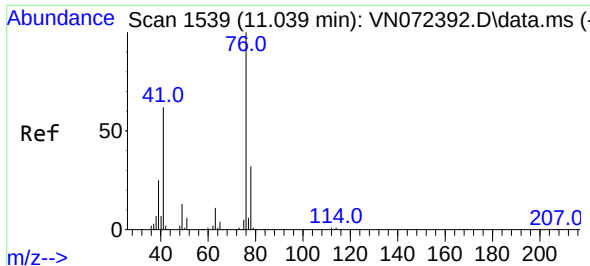
Tgt Ion: 75 Resp: 37729
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 37.3 35.7 53.5



#56
Ethyl methacrylate
Concen: 0.858 ug/l
RT: 10.557 min Scan# 1457
Delta R.T. -0.200 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 69 Resp: 3608
Ion Ratio Lower Upper
69 100
41 67.5 47.8 71.6
39 54.5 27.3 40.9#





#57

1,3-Dichloropropane

Concen: 4.119 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072467.D

Acq: 12 May 2022 20:58

Instrument :

MSVOA_N

ClientSampleId :

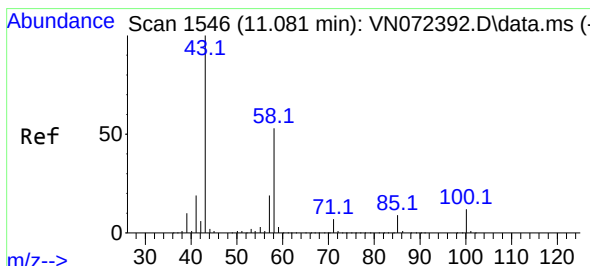
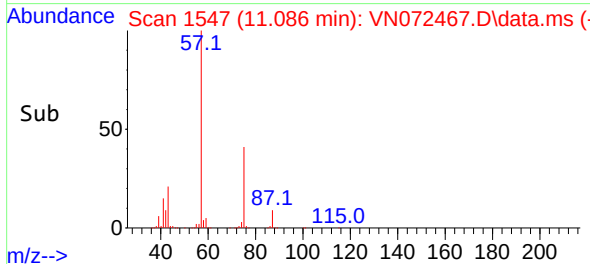
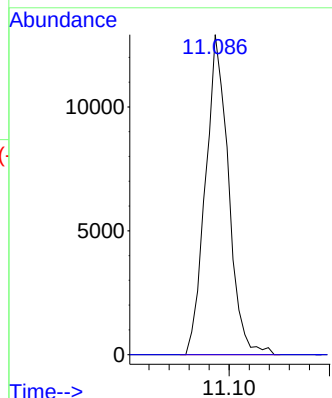
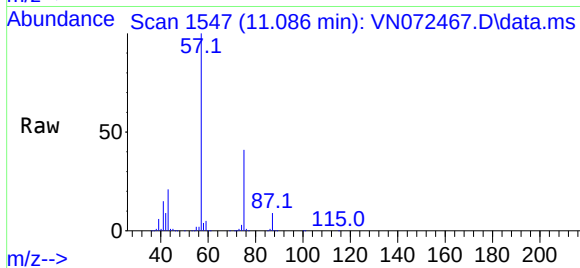
TP-34

Tgt Ion: 76 Resp: 20588

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 103.598 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072467.D

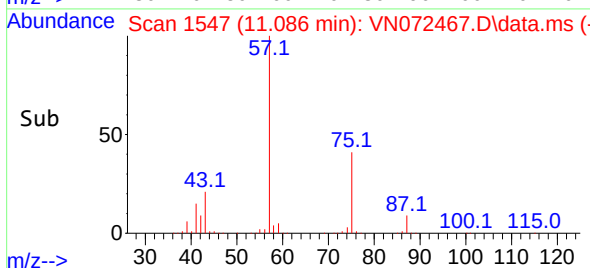
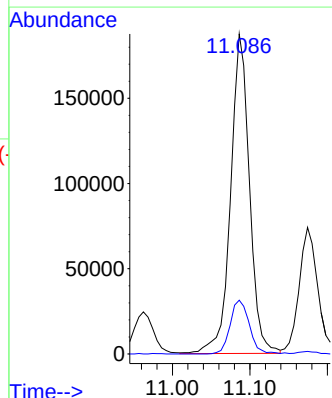
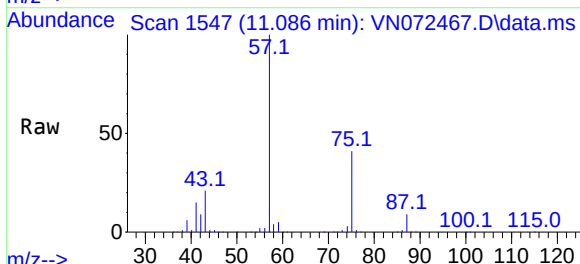
Acq: 12 May 2022 20:58

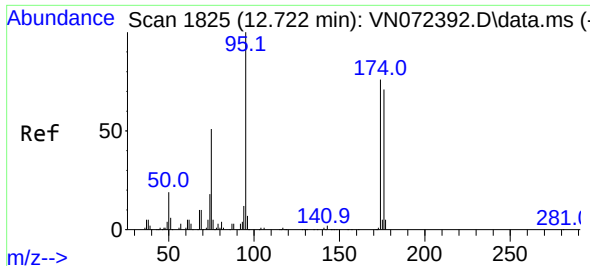
Tgt Ion: 43 Resp: 317962

Ion Ratio Lower Upper

43 100

58 17.2 29.7 89.1#

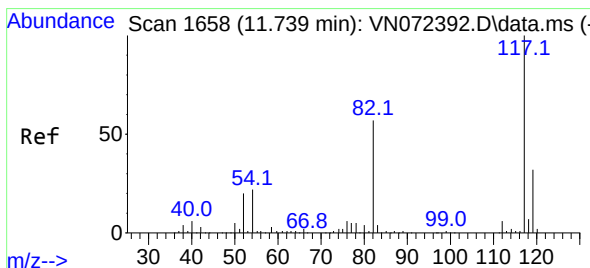
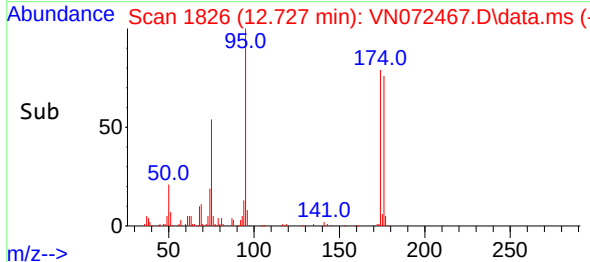
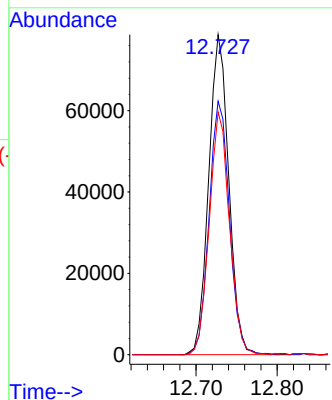
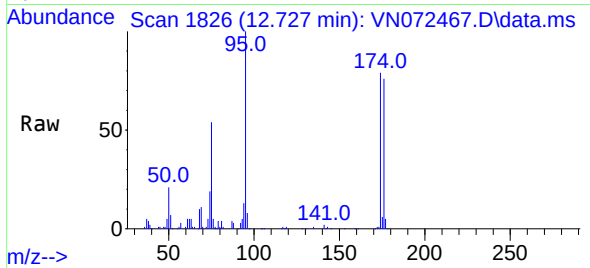




#62
4-Bromofluorobenzene
Concen: 40.005 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.005 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

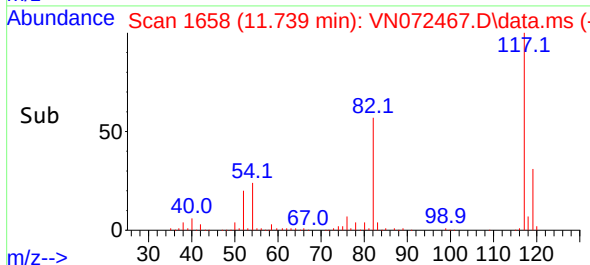
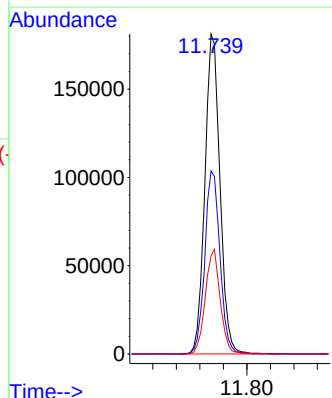
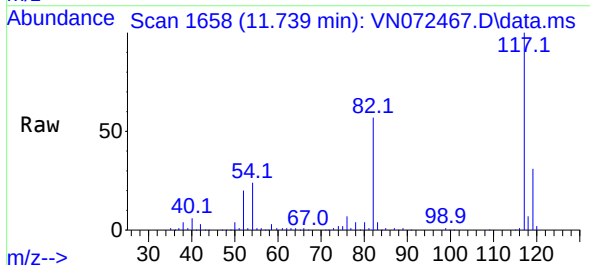
Instrument :
MSVOA_N
ClientSampleId :
TP-34

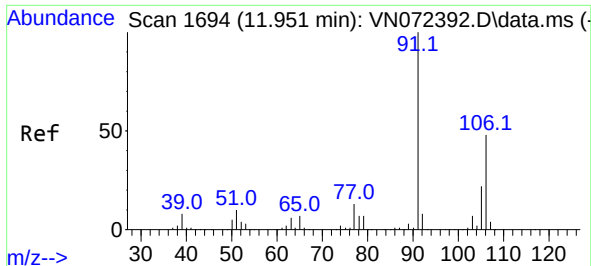
Tgt Ion: 95 Resp: 134755
Ion Ratio Lower Upper
95 100
174 80.5 0.0 167.6
176 76.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 117 Resp: 323830
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.2
119 30.7 25.4 38.0

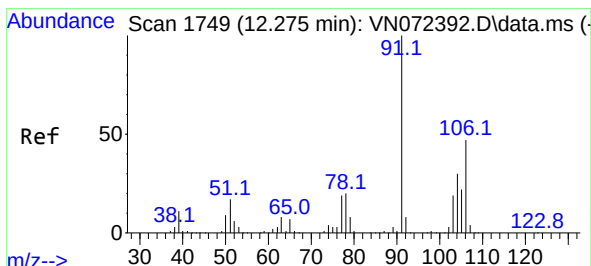
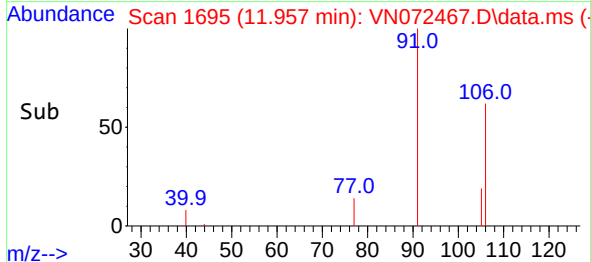
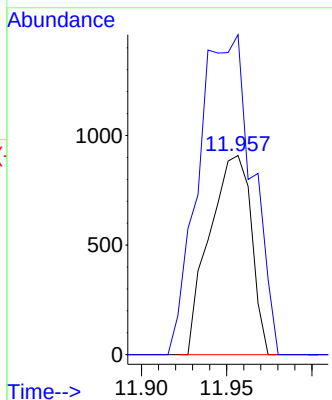
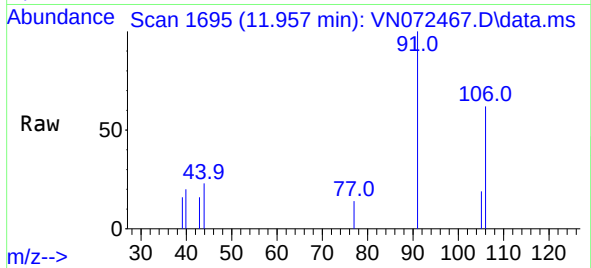




#68
m/p-Xylenes
Concen: 0.358 ug/l
RT: 11.957 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

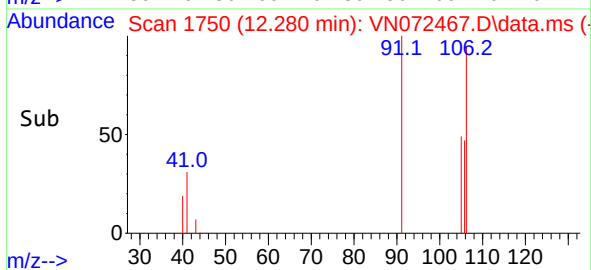
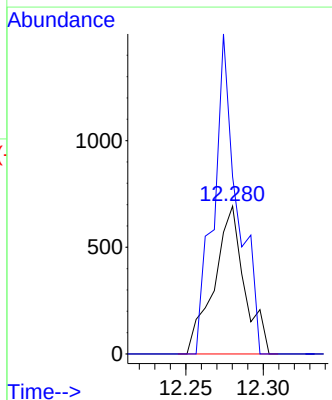
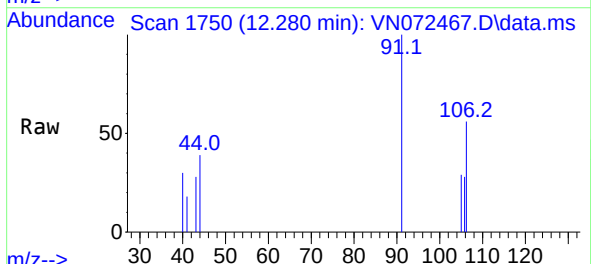
Instrument :
MSVOA_N
ClientSampleId :
TP-34

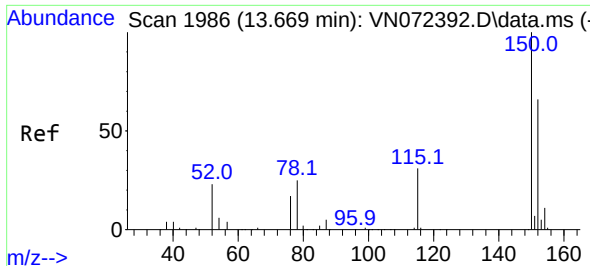
Tgt Ion:106 Resp: 1551
Ion Ratio Lower Upper
106 100
91 206.1 158.9 238.3



#69
o-Xylene
Concen: 0.222 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.005 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion:106 Resp: 943
Ion Ratio Lower Upper
106 100
91 169.4 106.0 318.0

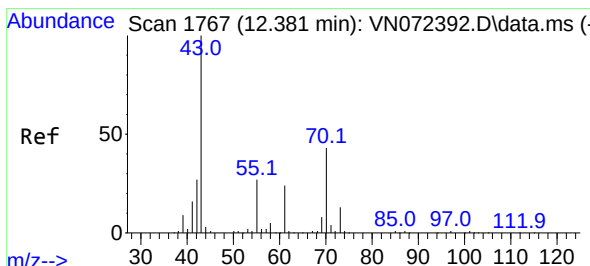
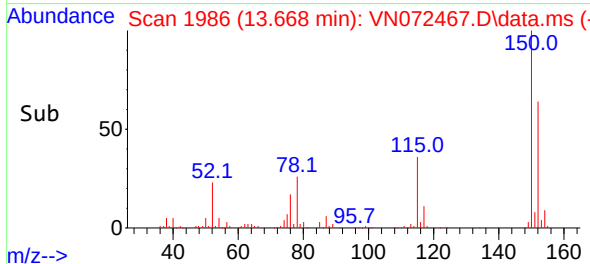
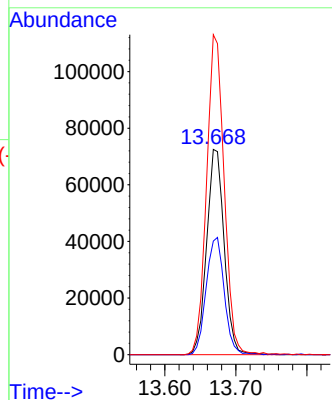
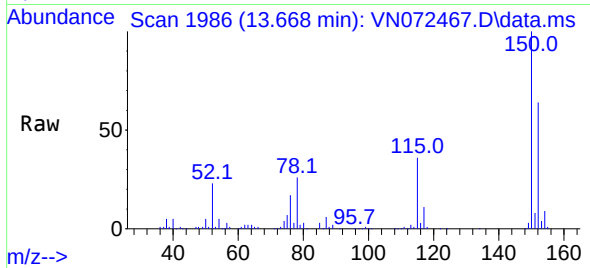




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

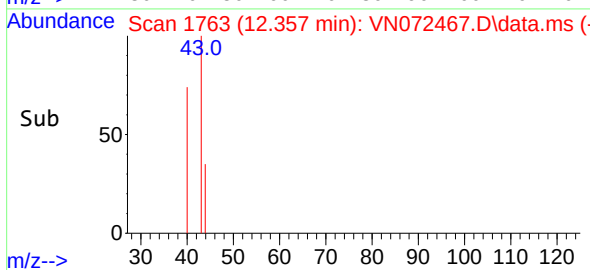
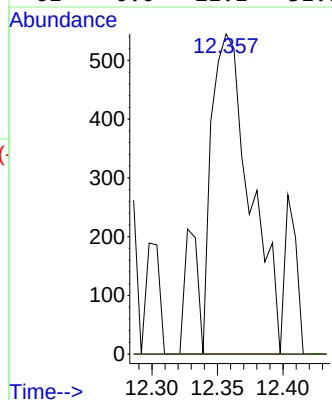
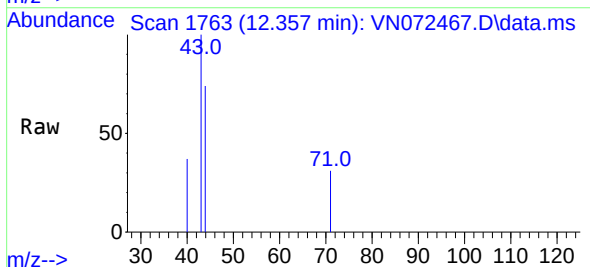
Instrument :
MSVOA_N
ClientSampleId :
TP-34

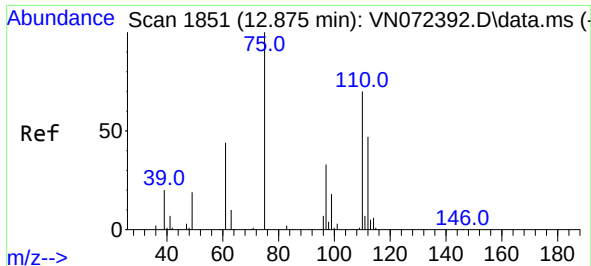
Tgt Ion:152 Resp: 124655
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.7
150 156.2 0.0 356.2



#74
N-ethyl acetate
Concen: 0.345 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.024 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

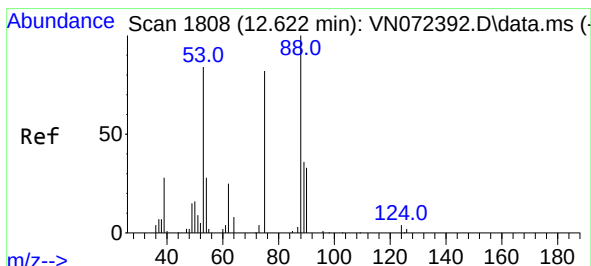
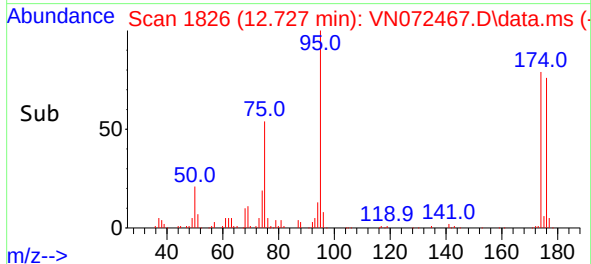
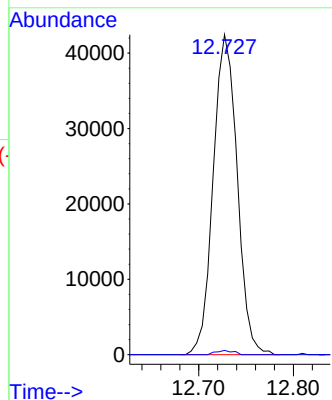
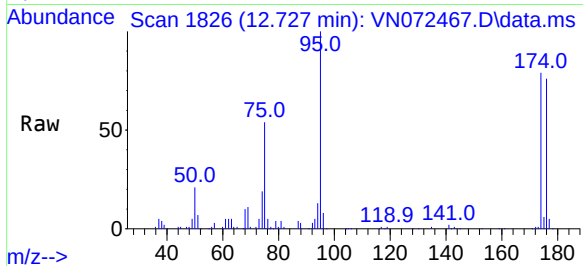




#76
1,2,3-Trichloropropane
Concen: 22.985 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

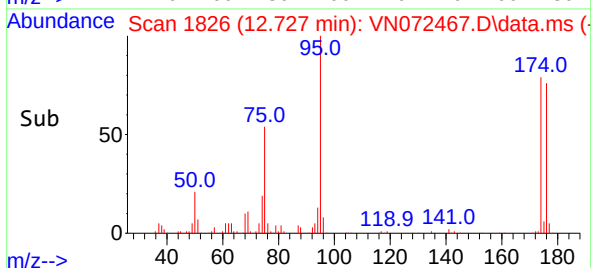
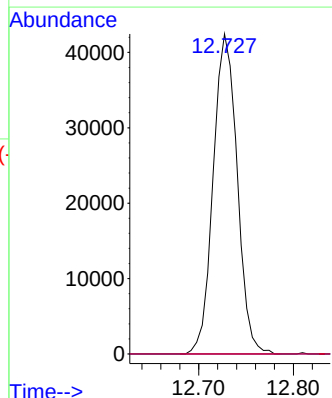
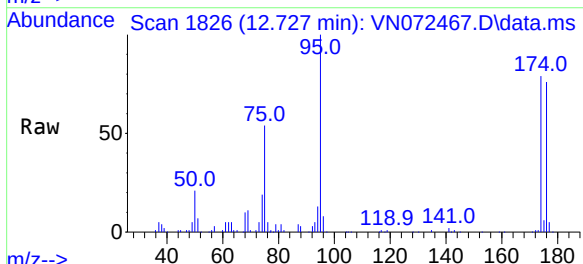
Instrument :
MSVOA_N
ClientSampleId :
TP-34

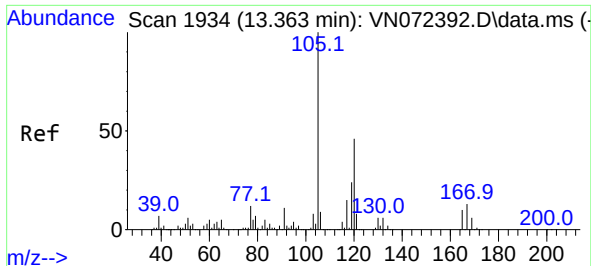
Tgt Ion: 75 Resp: 74729
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.678 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Tgt Ion: 75 Resp: 74729
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

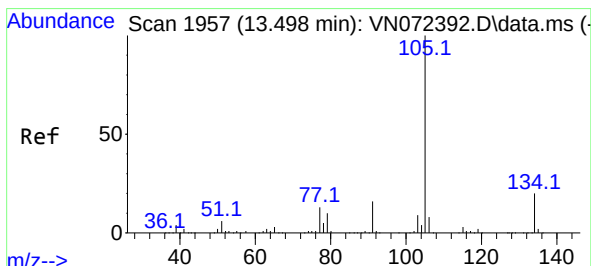
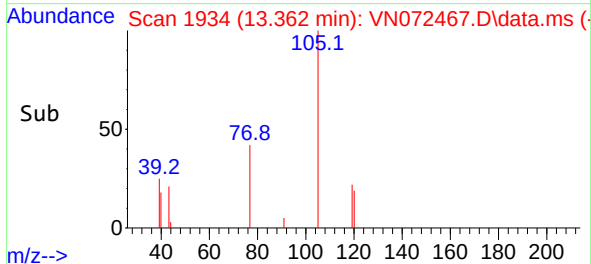
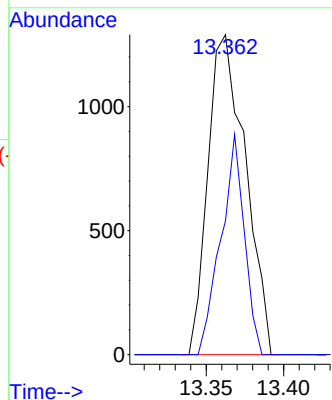
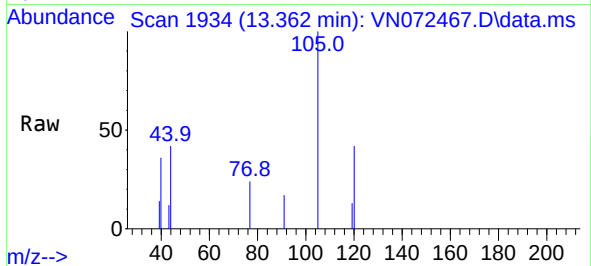




#84
1,2,4-Trimethylbenzene
Concen: 0.263 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

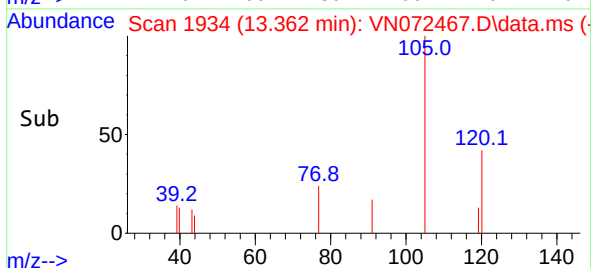
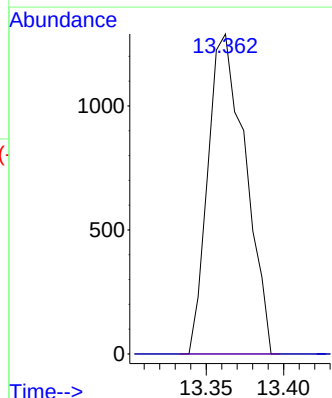
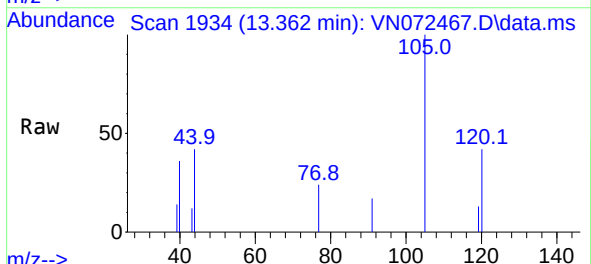
Instrument :
MSVOA_N
ClientSampleId :
TP-34

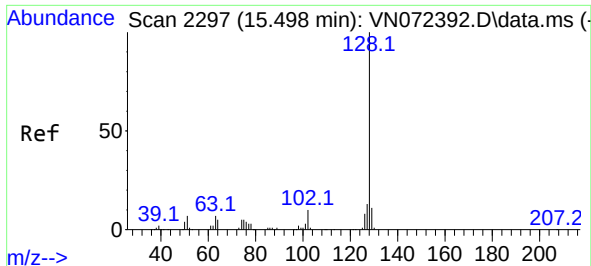
Tgt Ion:105 Resp: 2165
Ion Ratio Lower Upper
105 100
120 43.2 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.219 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.136 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

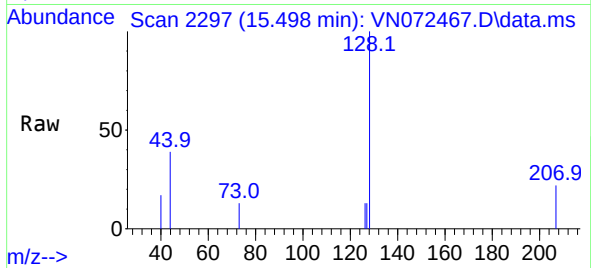
Tgt Ion:105 Resp: 2165
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#95
Naphthalene
Concen: 3.662 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072467.D
Acq: 12 May 2022 20:58

Instrument :
MSVOA_N
ClientSampleId :
TP-34



Tgt Ion:128 Resp: 3089
Ion Ratio Lower Upper
128 100
127 5.6 10.3 15.5#
129 4.0 8.6 13.0#

