

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071276.D
 Acq On : 14 Mar 2022 19:14
 Operator : JC\MD
 Sample : PB143286ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#08

Quant Time: Mar 15 02:55:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

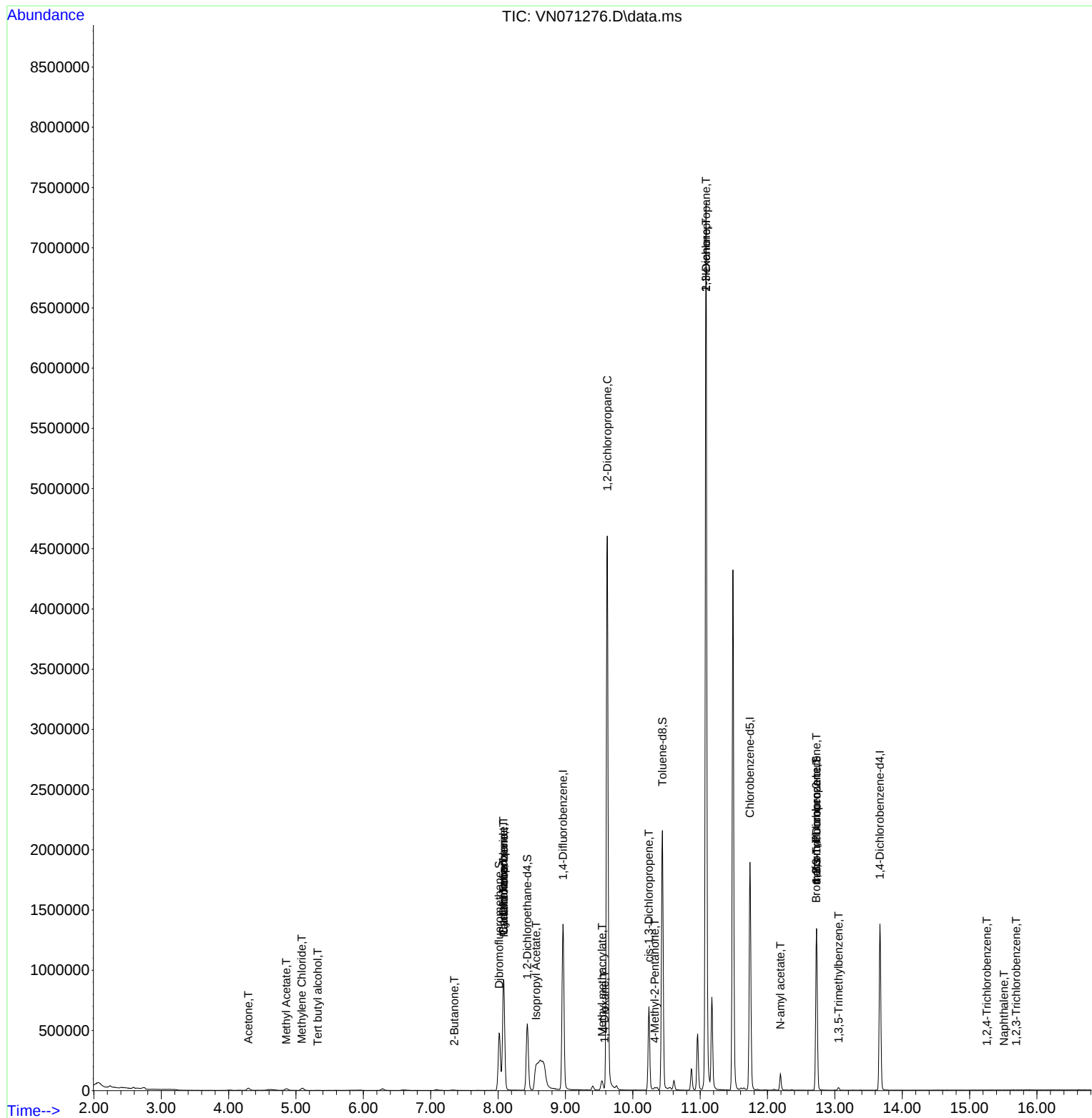
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	717209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1198831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1079066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	373601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	462660	47.068	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.140%
35) Dibromofluoromethane	8.016	113	349919	46.255	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.500%
50) Toluene-d8	10.439	98	1469895	48.258	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.520%
62) 4-Bromofluorobenzene	12.727	95	461390	44.733	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.460%
Target Compounds						
					Qvalue	
5) Bromomethane	2.857	94	1197	Below Cal	#	56
11) Tert butyl alcohol	5.322	59	693	0.359	ug/l #	71
16) Acetone	4.293	43	33790	7.065	ug/l	90
18) Methyl Acetate	4.857	43	32962	3.012	ug/l	95
20) Methylene Chloride	5.087	84	13959	1.967	ug/l	93
25) 2-Butanone	7.351	43	7228	0.938	ug/l #	77
31) Cyclohexane	8.081	56	15625	0.995	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	56003	4.620	ug/l #	48
38) Carbon Tetrachloride	8.081	117	71318	6.083	ug/l #	16
43) Isopropyl Acetate	8.563	43	242707	9.730	ug/l #	69
45) 1,2-Dichloropropane	9.622	63	5615	0.573	ug/l #	44
48) Methyl methacrylate	9.545	41	22360	1.934	ug/l #	8
49) 1,4-Dioxane	9.580	88	144	0.717	ug/l #	27
51) 4-Methyl-2-Pentanone	10.327	43	17546	1.133	ug/l	89
54) cis-1,3-Dichloropropene	10.239	75	123224	8.390	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	76645	4.739	ug/l #	43
59) 2-Hexanone	11.086	43	1166044	110.390	ug/l #	49
71) Bromoform	12.721	173	2094	0.325	ug/l #	1
74) N-amyl acetate	12.192	43	42755	3.157	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.739	83	64	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	238448	24.918	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	10542	0.376	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.727	75	238448	68.994	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	227	3.024	ug/l #	54
95) Naphthalene	15.509	128	572	5.098	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	67	2.743	ug/l #	84

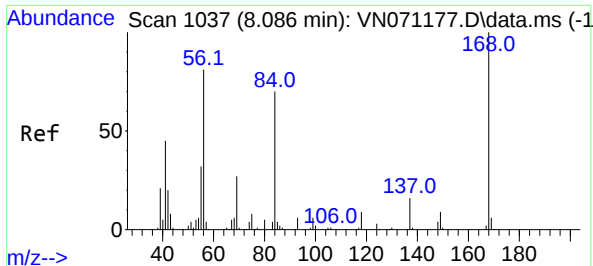
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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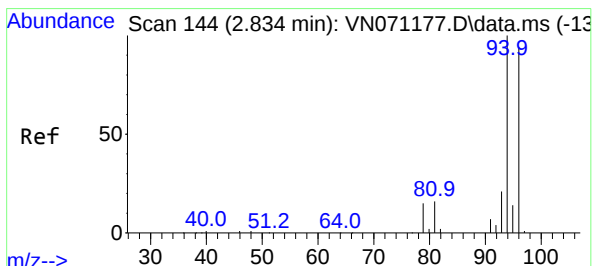
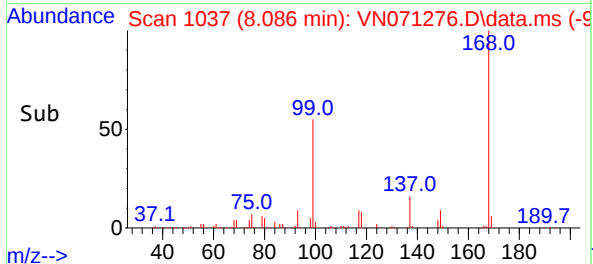
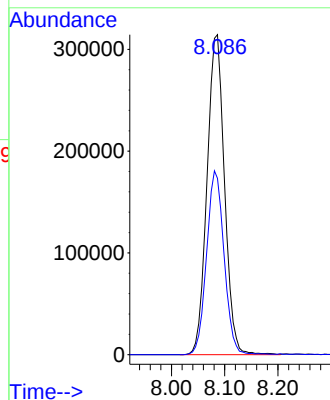
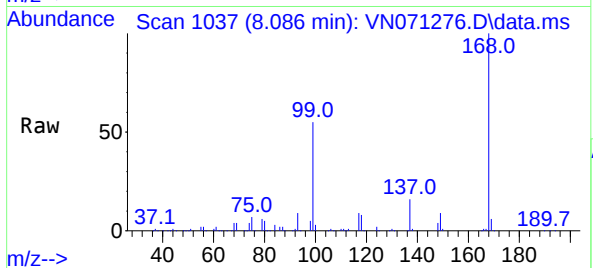




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

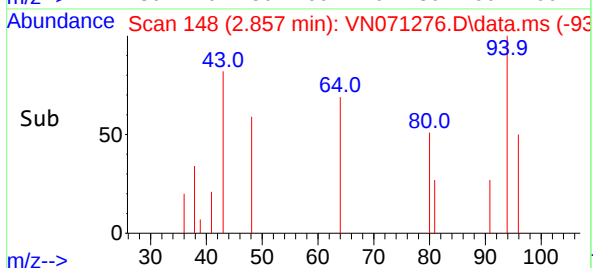
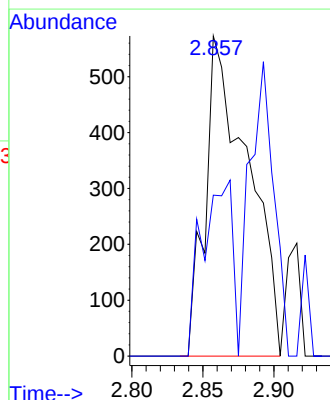
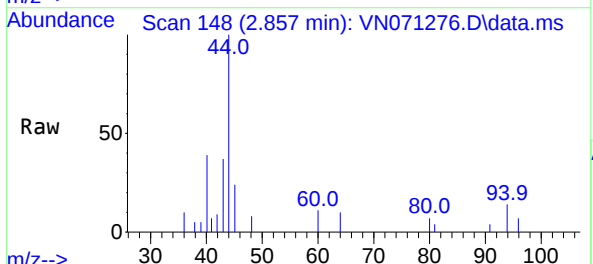
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

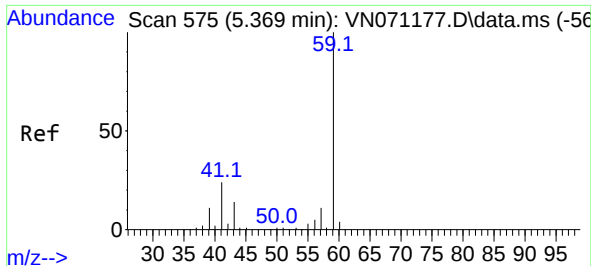
Tgt Ion:168 Resp: 717209
Ion Ratio Lower Upper
168 100
99 55.1 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 148
Delta R.T. 0.023 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 94 Resp: 1197
Ion Ratio Lower Upper
94 100
96 50.3 73.8 110.8#

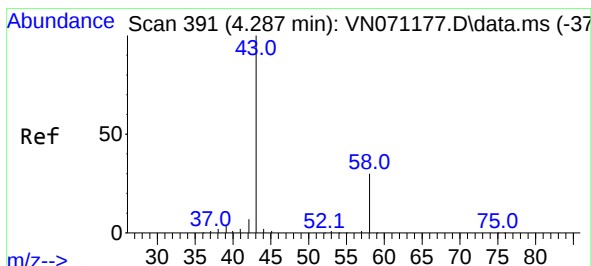
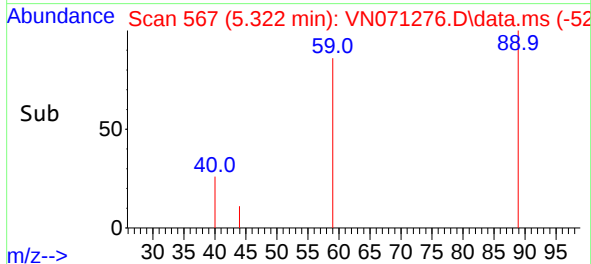
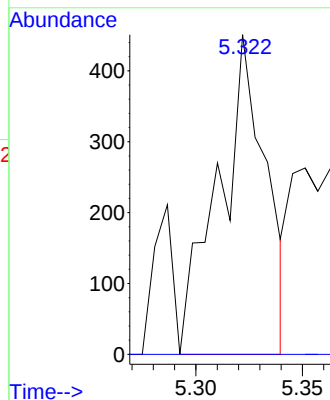
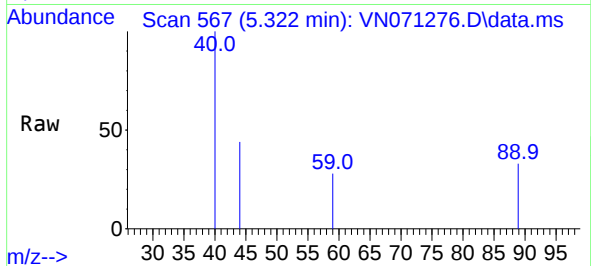




#11
Tert butyl alcohol
Concen: 0.359 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.047 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

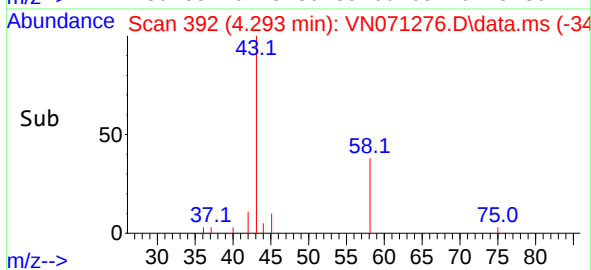
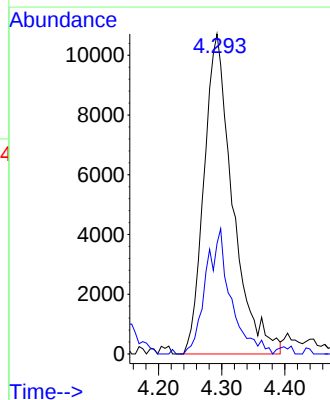
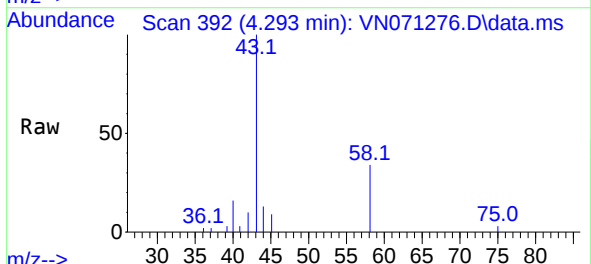
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

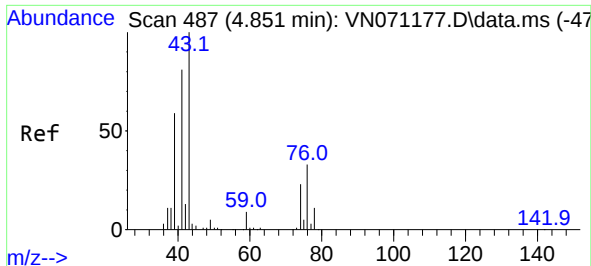
Tgt Ion: 59 Resp: 693
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 7.065 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 43 Resp: 33790
Ion Ratio Lower Upper
43 100
58 34.4 23.1 34.7

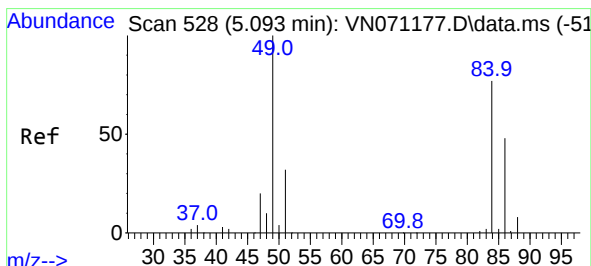
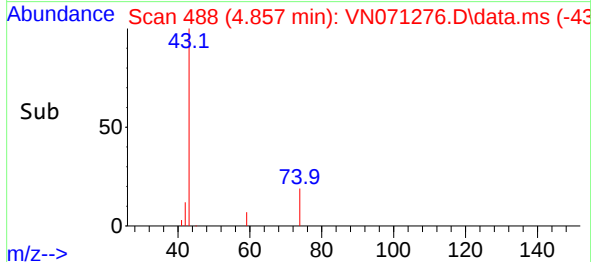
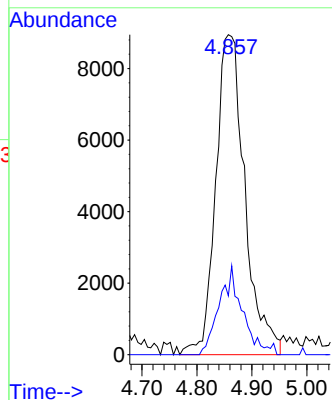
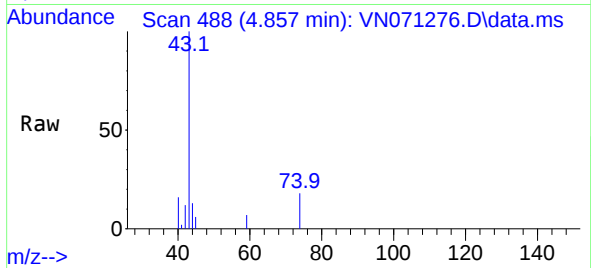




#18
Methyl Acetate
Concen: 3.012 ug/l
RT: 4.857 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

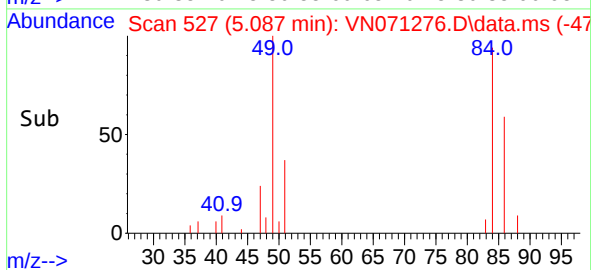
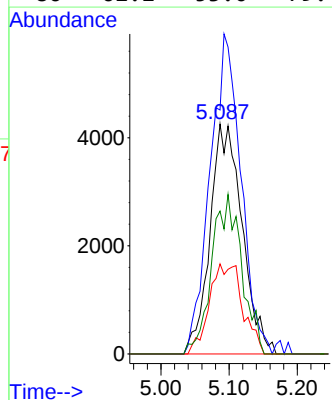
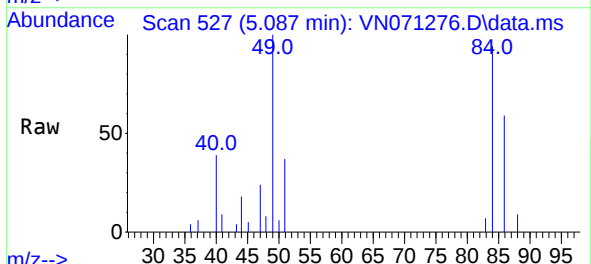
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MSVOA_N
ClientSampleId :
PB143286ZHE#08

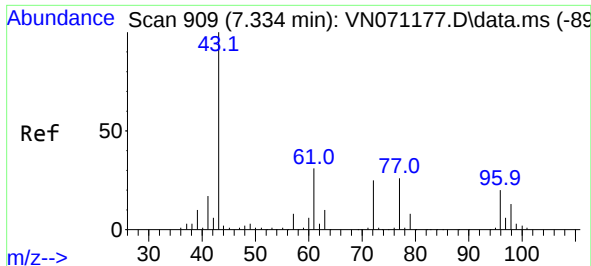
Tgt Ion: 43 Resp: 32962
Ion Ratio Lower Upper
43 100
74 21.6 19.4 29.2



#20
Methylene Chloride
Concen: 1.967 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 84 Resp: 13959
Ion Ratio Lower Upper
84 100
49 106.1 93.5 140.3
51 39.2 29.4 44.2
86 62.2 53.0 79.4

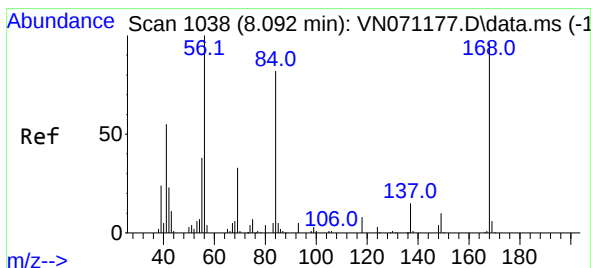
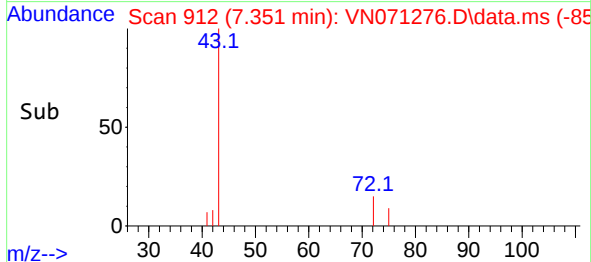
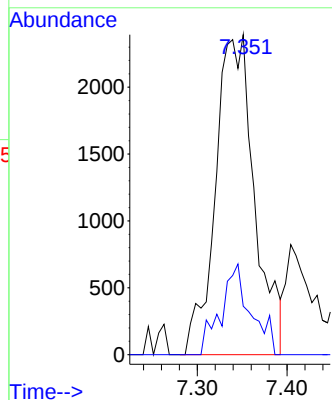
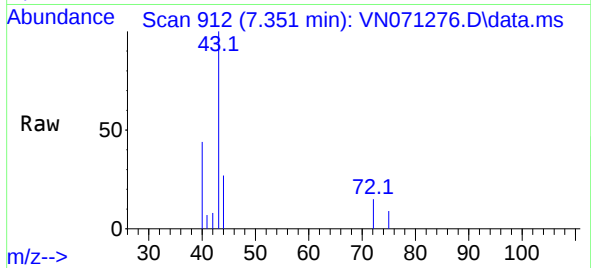




#25
2-Butanone
Concen: 0.938 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

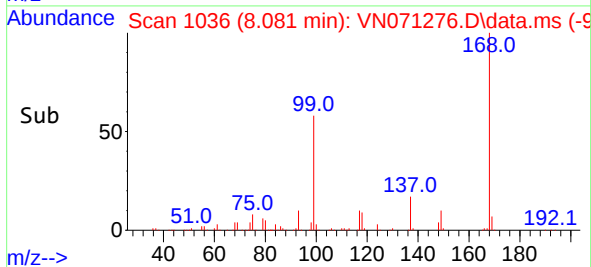
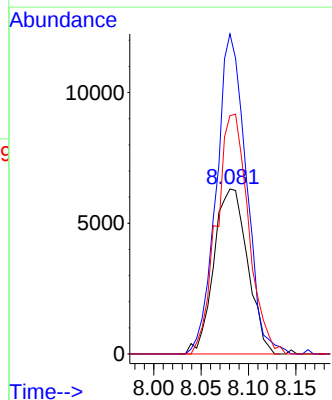
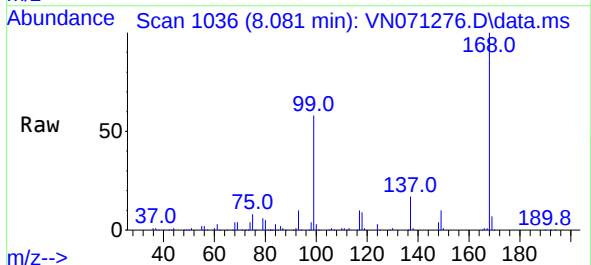
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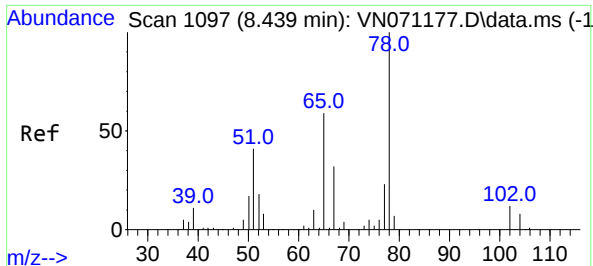
Tgt Ion: 43 Resp: 7228
Ion Ratio Lower Upper
43 100
72 15.1 21.7 32.5#



#31
Cyclohexane
Concen: 0.995 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 56 Resp: 15625
Ion Ratio Lower Upper
56 100
69 194.1 27.1 40.7#
84 144.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.068 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071276.D

Acq: 14 Mar 2022 19:14

Instrument :

MSVOA_N

ClientSampleId :

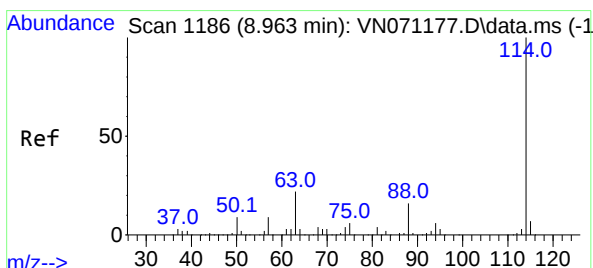
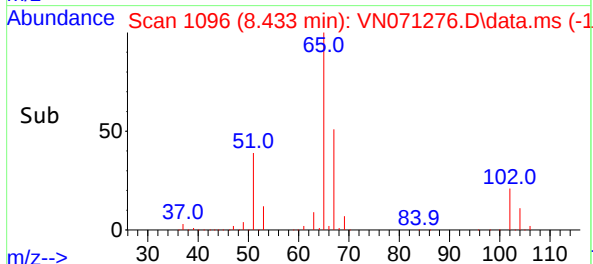
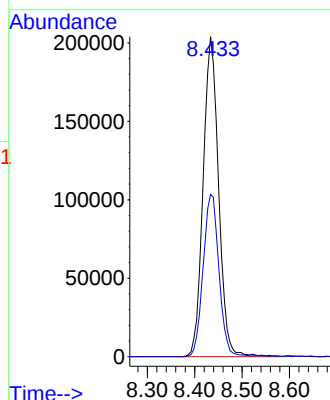
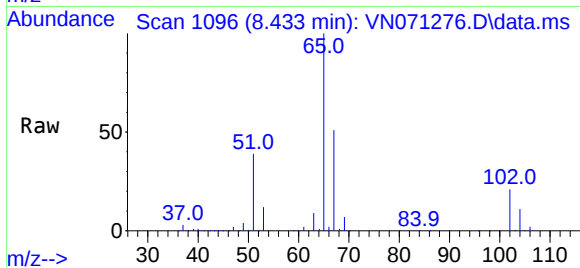
PB143286ZHE#08

Tgt Ion: 65 Resp: 462660

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071276.D

Acq: 14 Mar 2022 19:14

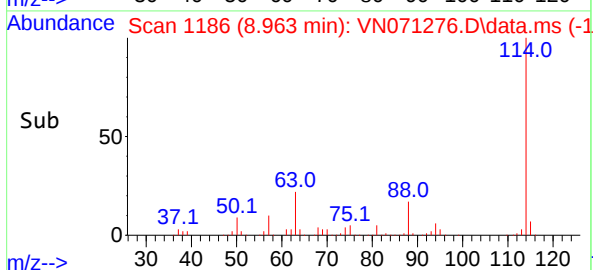
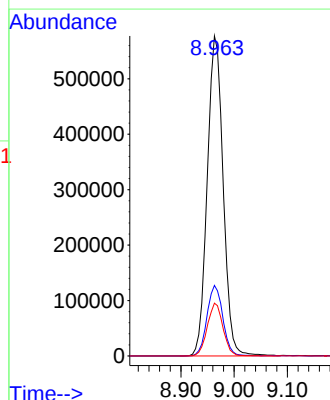
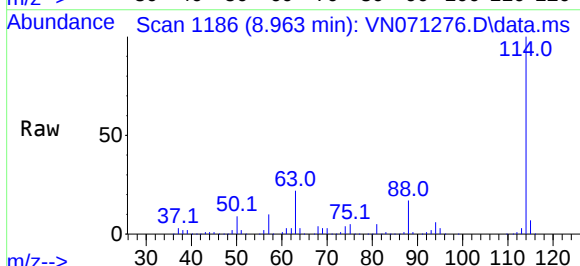
Tgt Ion: 114 Resp: 1198831

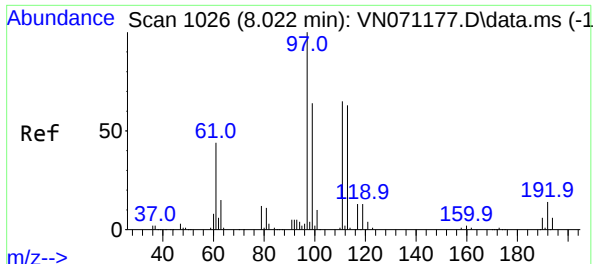
Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.5 0.0 27.4

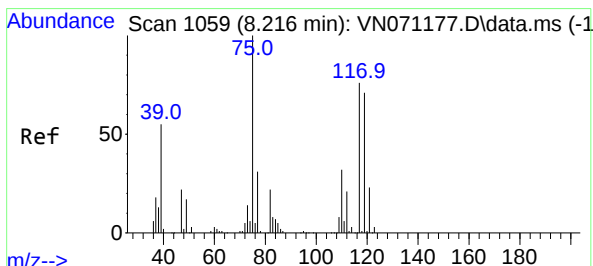
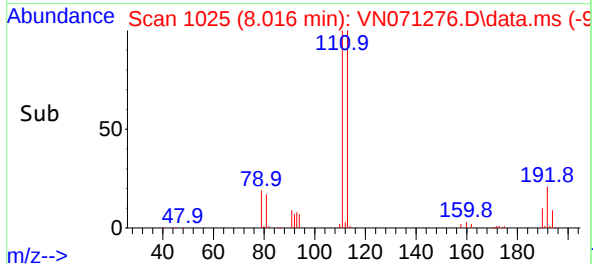
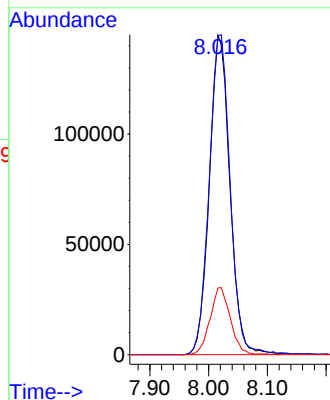
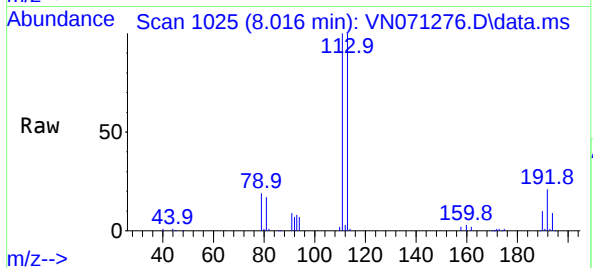




#35
Dibromofluoromethane
Concen: 46.255 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

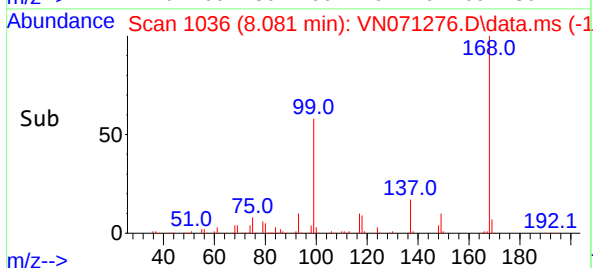
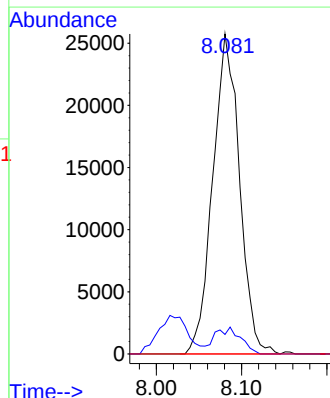
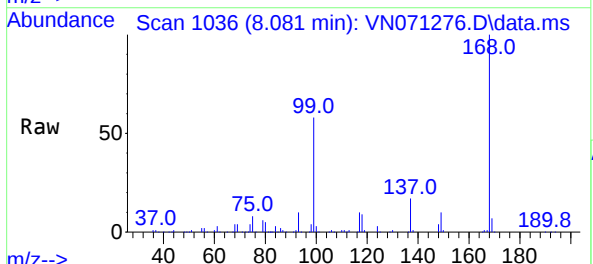
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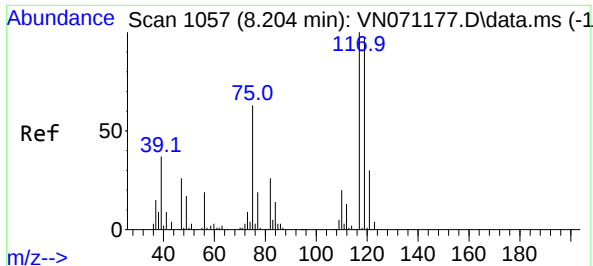
Tgt Ion:113 Resp: 349919
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 75 Resp: 56003
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#

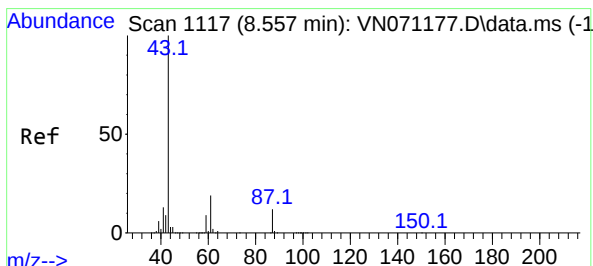
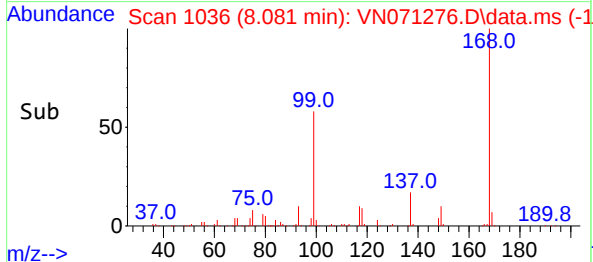
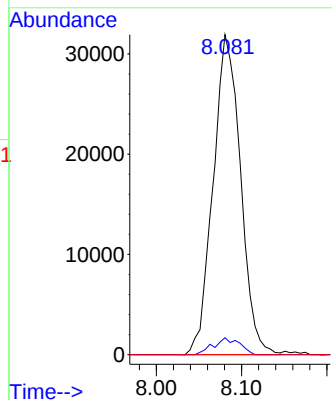
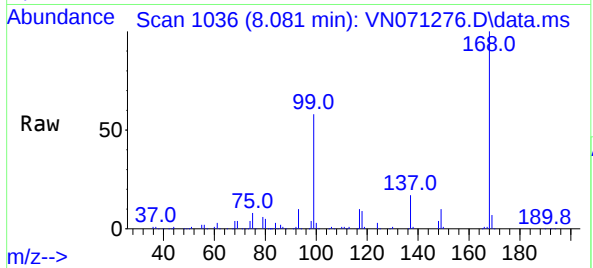




#38
Carbon Tetrachloride
Concen: 6.083 ug/l
RT: 8.081 min Scan# 1117
Delta R.T. -0.124 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

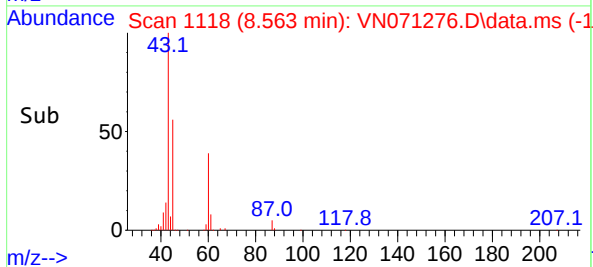
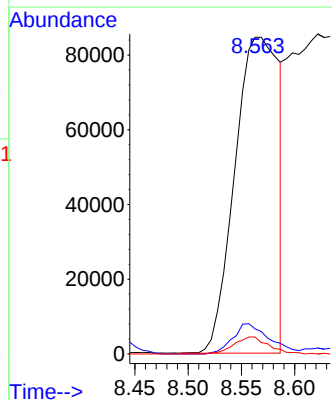
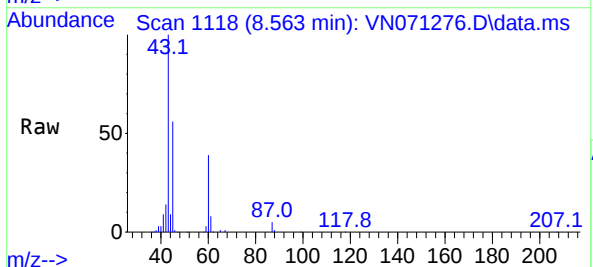
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

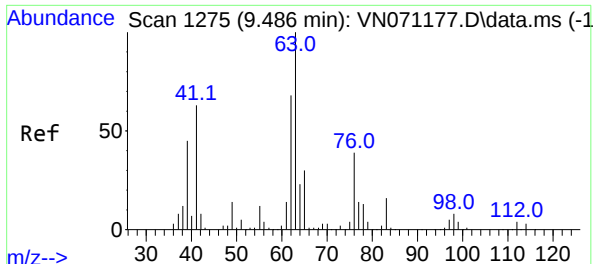
Tgt Ion:117 Resp: 71318
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 9.730 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 43 Resp: 242707
Ion Ratio Lower Upper
43 100
61 8.0 20.4 30.6#
87 4.3 11.2 16.8#

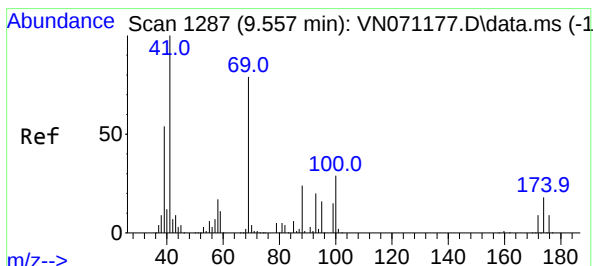
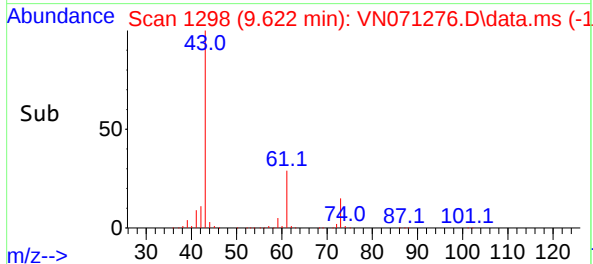
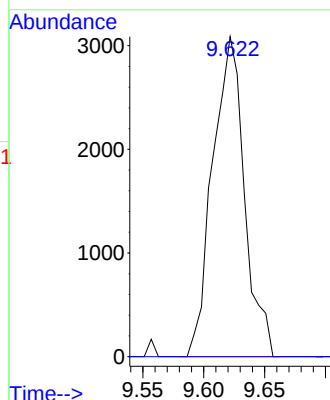
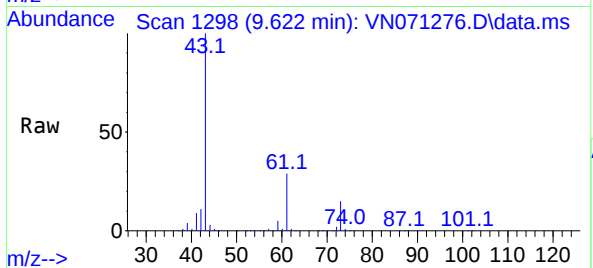




#45
1,2-Dichloropropane
Concen: 0.573 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.136 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

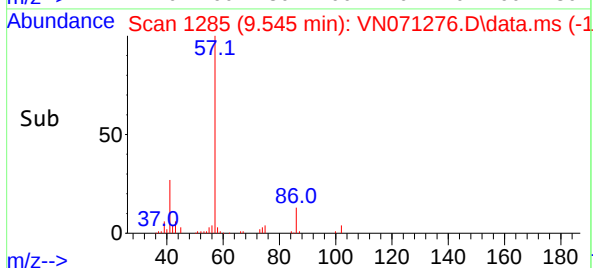
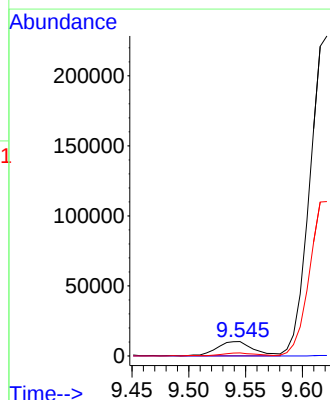
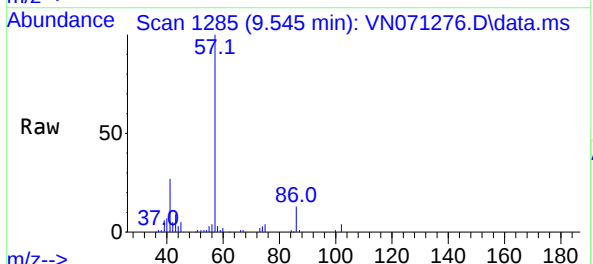
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

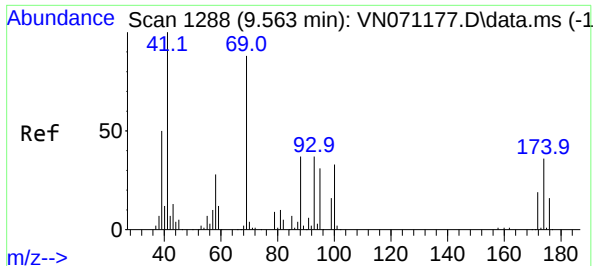
Tgt Ion: 63 Resp: 5615
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 1.934 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 41 Resp: 22360
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#

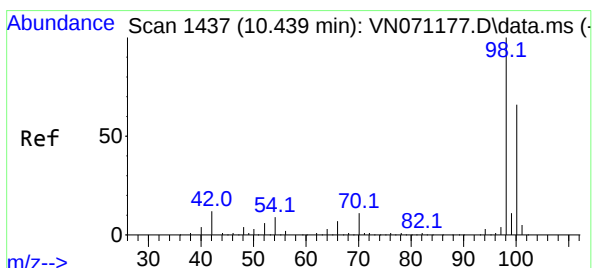
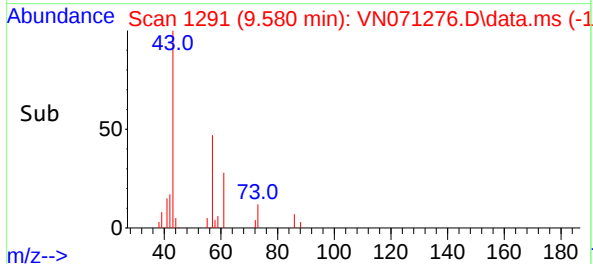
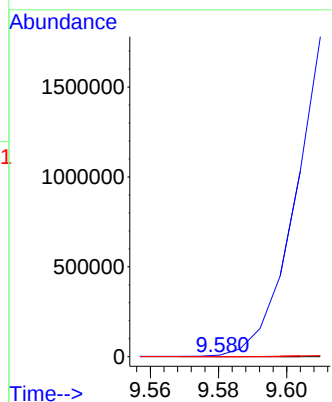
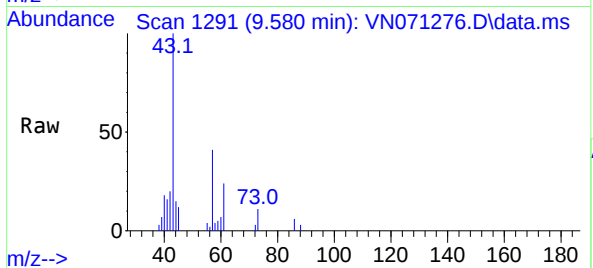




#49
1,4-Dioxane
Concen: 0.717 ug/l
RT: 9.580 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

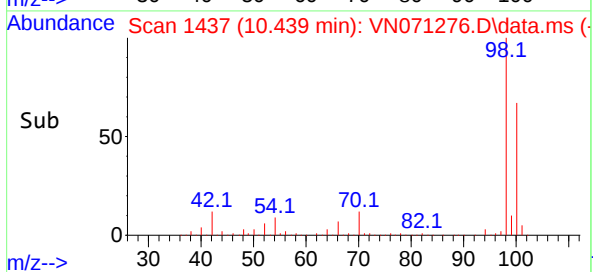
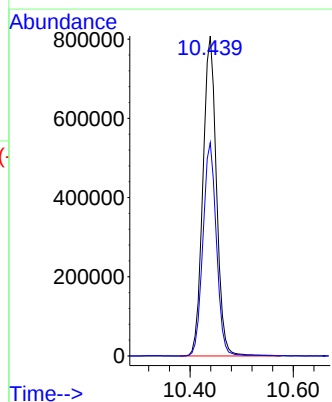
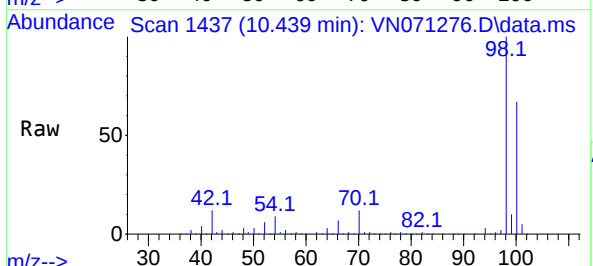
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

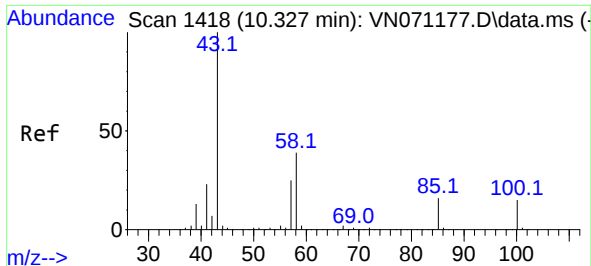
Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 48.258 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 98 Resp: 1469895
Ion Ratio Lower Upper
98 100
100 66.1 50.4 75.6

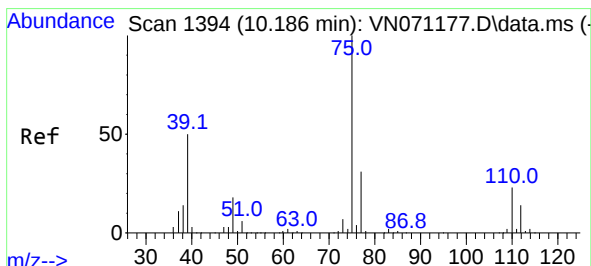
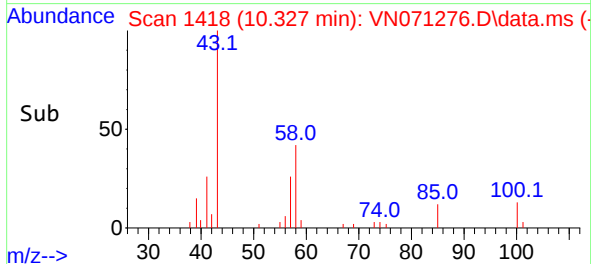
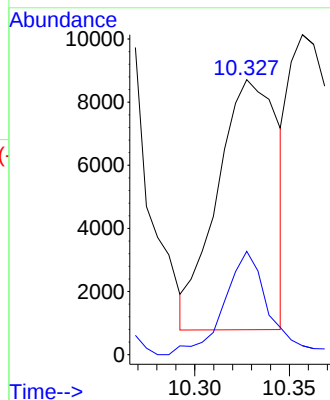
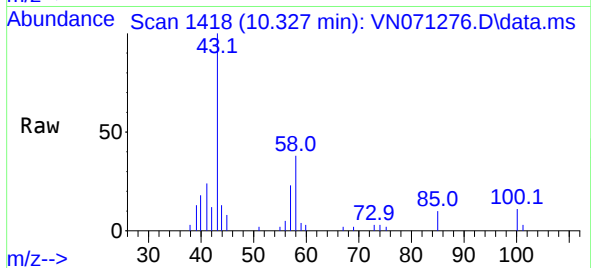




#51
4-Methyl-2-Pentanone
Concen: 1.133 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

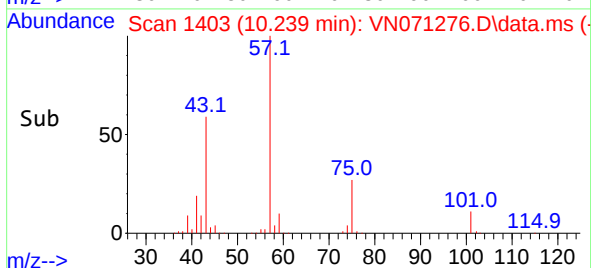
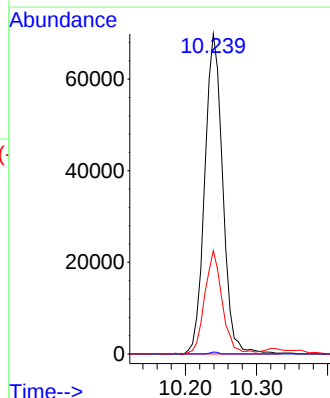
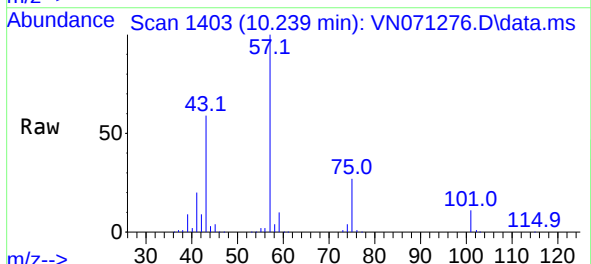
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

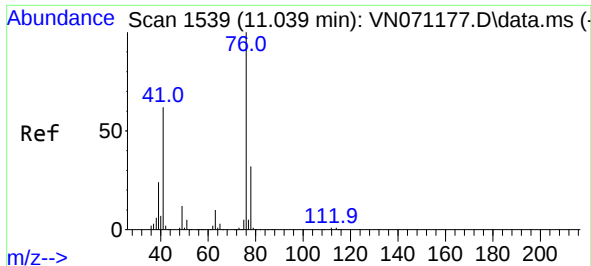
Tgt Ion: 43 Resp: 17546
Ion Ratio Lower Upper
43 100
58 31.3 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 8.390 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 75 Resp: 123224
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 32.3 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.739 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071276.D

Acq: 14 Mar 2022 19:14

Instrument :

MSVOA_N

ClientSampleId :

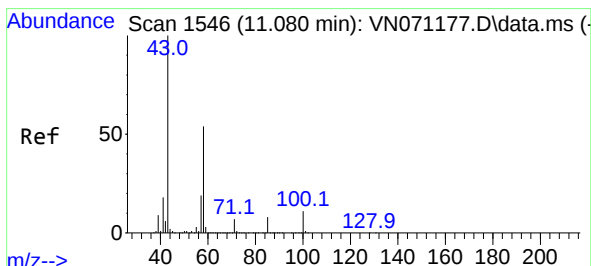
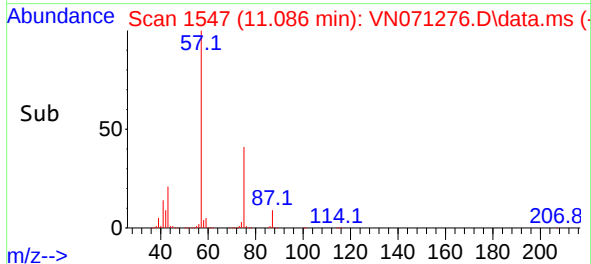
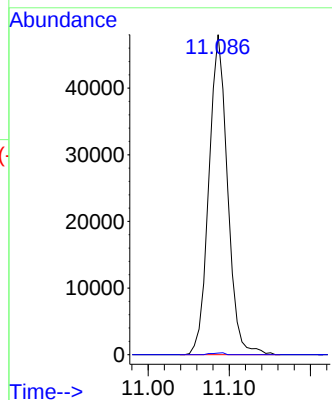
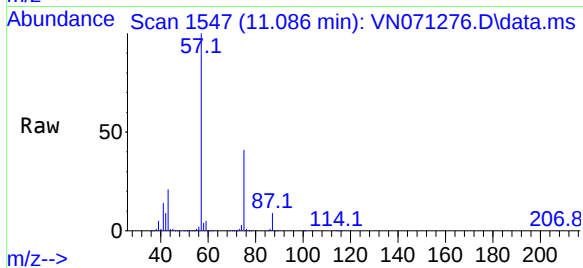
PB143286ZHE#08

Tgt Ion: 76 Resp: 76645

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 110.390 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071276.D

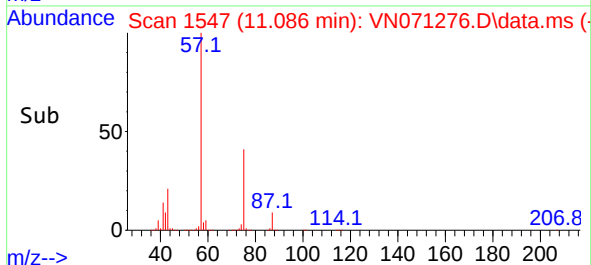
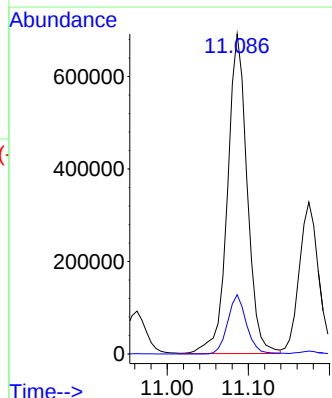
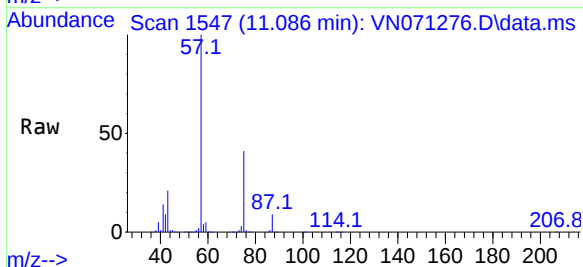
Acq: 14 Mar 2022 19:14

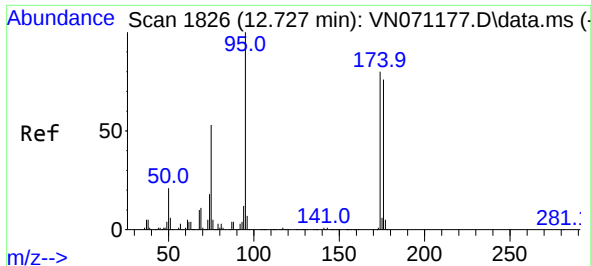
Tgt Ion: 43 Resp: 1166044

Ion Ratio Lower Upper

43 100

58 17.7 26.9 80.7#

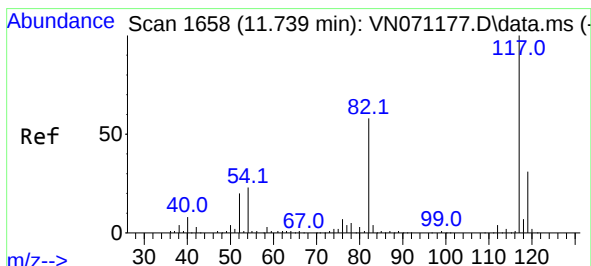
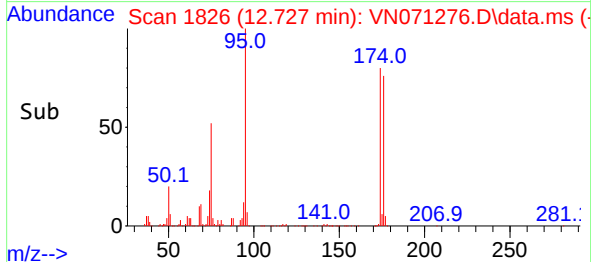
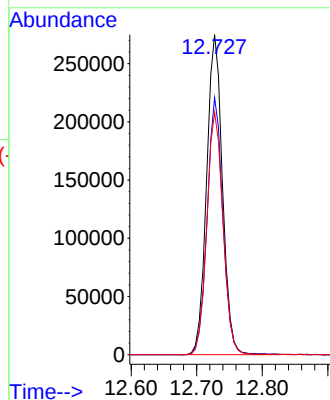
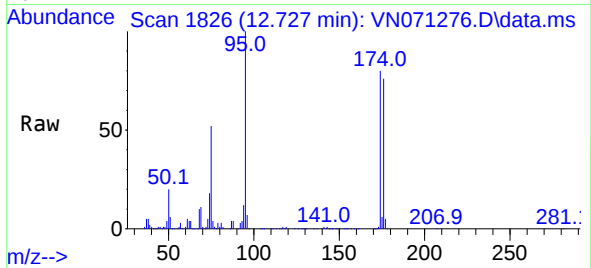




#62
4-Bromofluorobenzene
Concen: 44.733 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

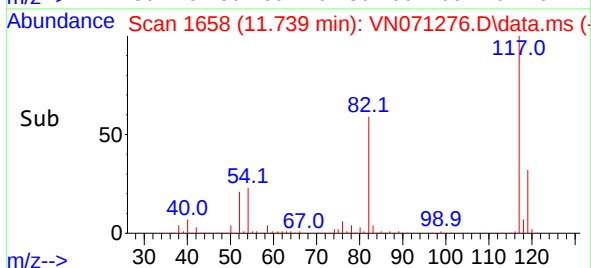
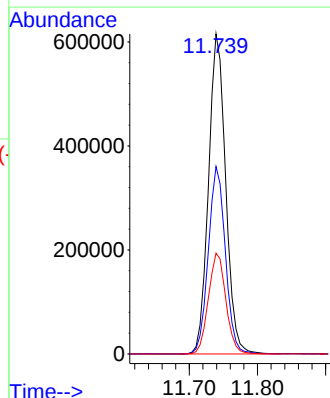
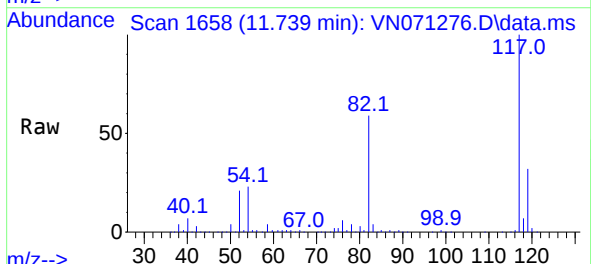
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

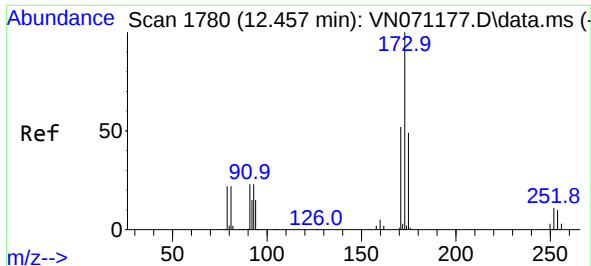
Tgt Ion: 95 Resp: 461390
Ion Ratio Lower Upper
95 100
174 80.1 0.0 187.2
176 76.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 117 Resp: 1079066
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 31.5 25.4 38.2

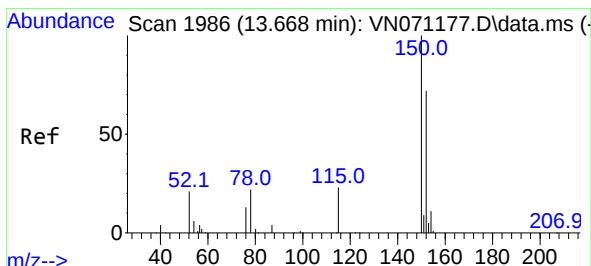
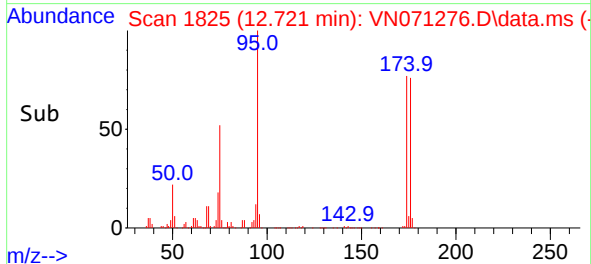
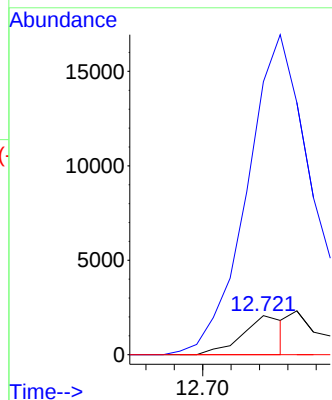
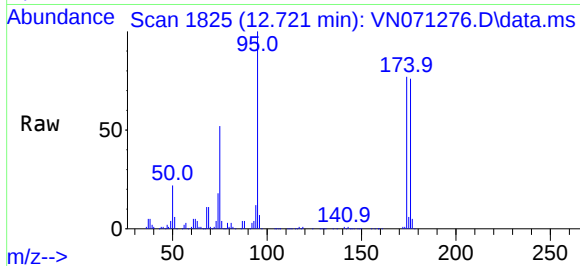




#71
Bromoform
Concen: 0.325 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

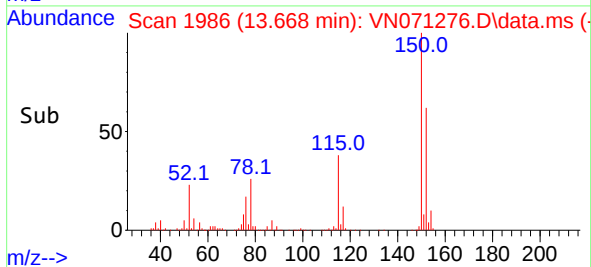
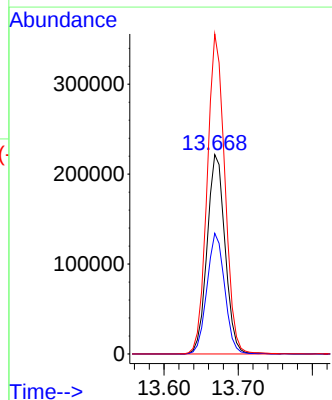
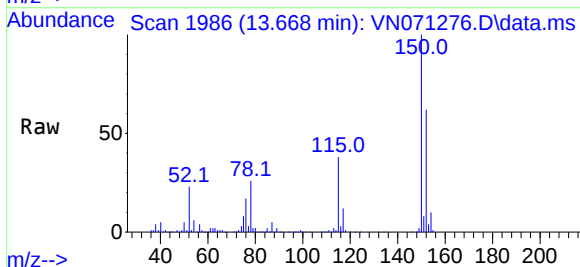
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

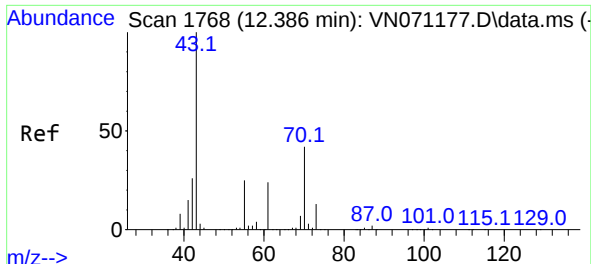
Tgt Ion:173 Resp: 2094
Ion Ratio Lower Upper
173 100
175 1013.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion:152 Resp: 373601
Ion Ratio Lower Upper
152 100
115 59.8 27.5 82.5
150 158.0 0.0 344.4

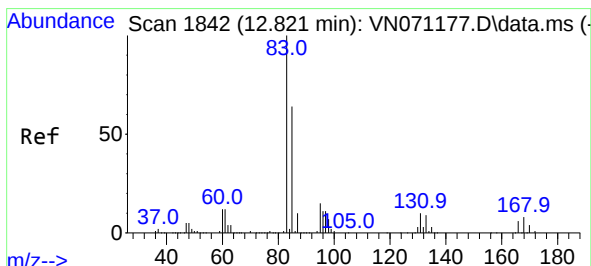
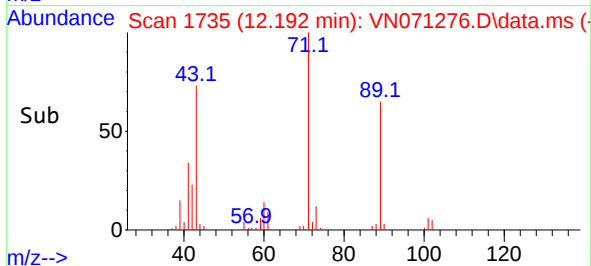
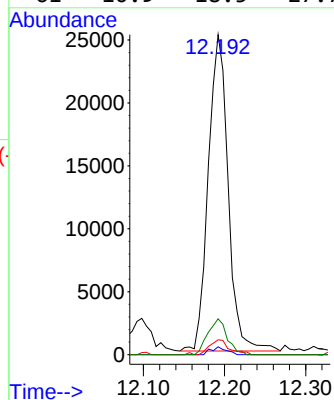
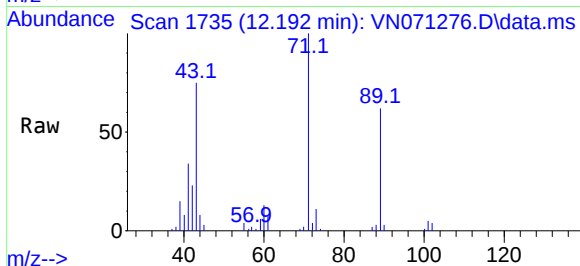




#74
N-amy1 acetate
Concen: 3.157 ug/l
RT: 12.192 min Scan# 11
Delta R.T. -0.194 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

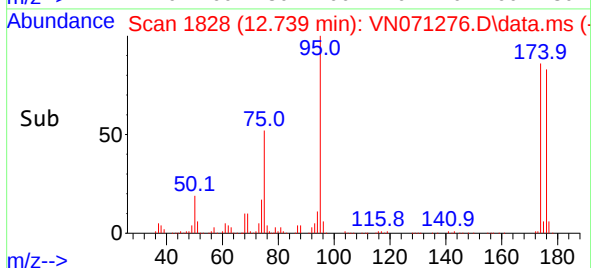
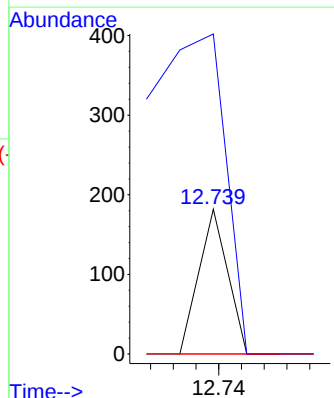
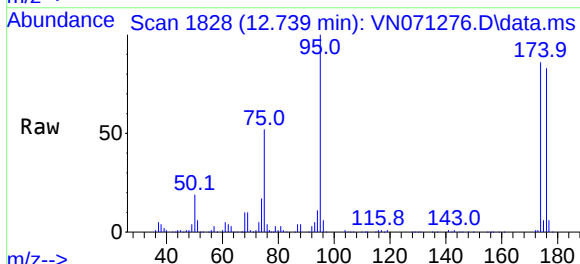
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

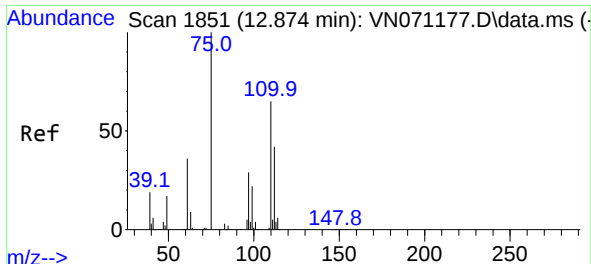
Tgt Ion:	43	Resp:	42755
Ion	Ratio	Lower	Upper
43	100		
70	1.9	33.4	50.0#
55	4.7	19.3	28.9#
61	10.9	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.739 min Scan# 1828
Delta R.T. -0.082 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion:	83	Resp:	64
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	0.0	32.4	97.2#

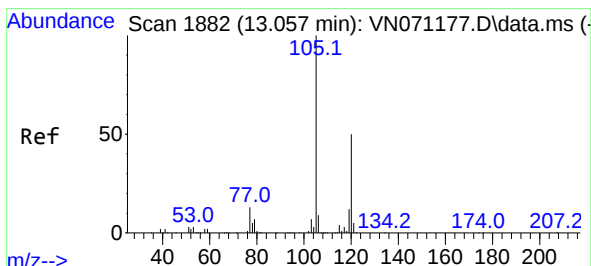
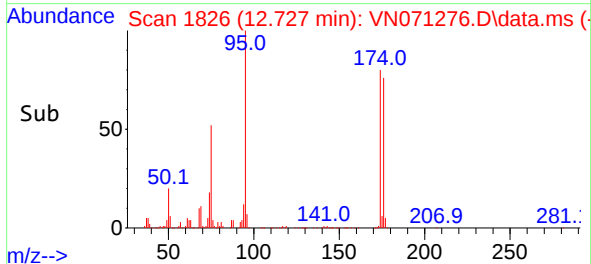
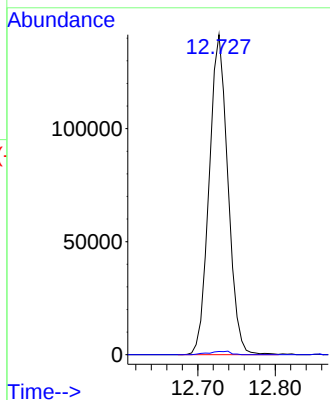
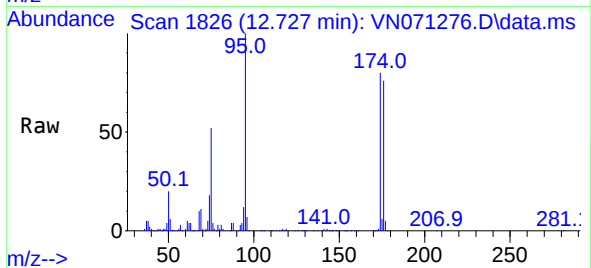




#76
1,2,3-Trichloropropane
Concen: 24.918 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

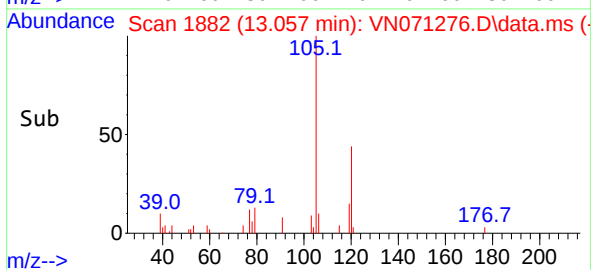
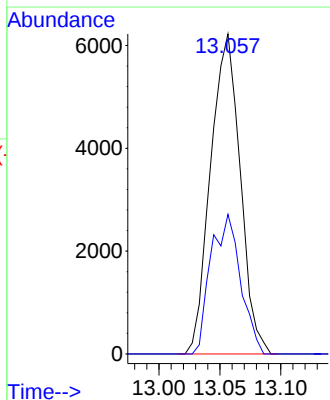
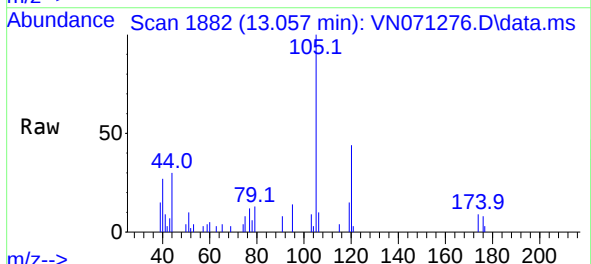
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

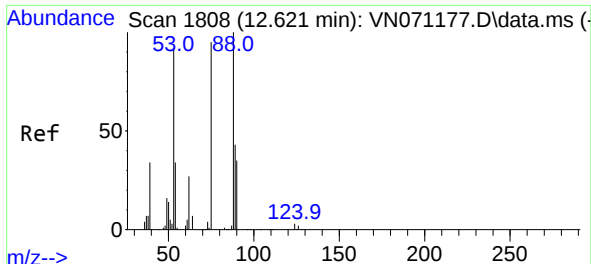
Tgt Ion: 75 Resp: 238448
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.376 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion: 105 Resp: 10542
Ion Ratio Lower Upper
105 100
120 43.7 24.6 73.6

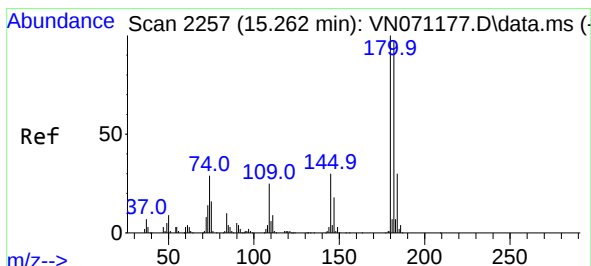
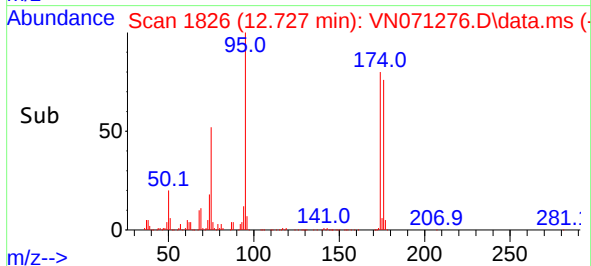
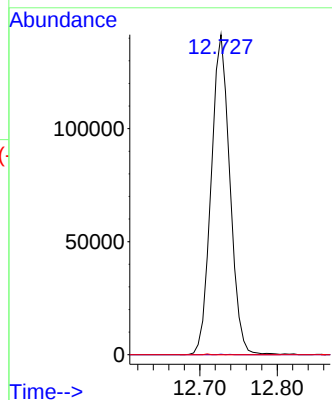
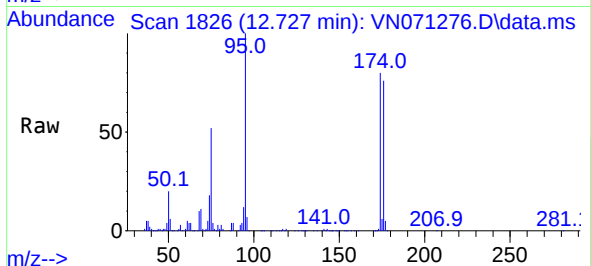




#81
trans-1,4-Dichloro-2-butene
Concen: 68.994 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

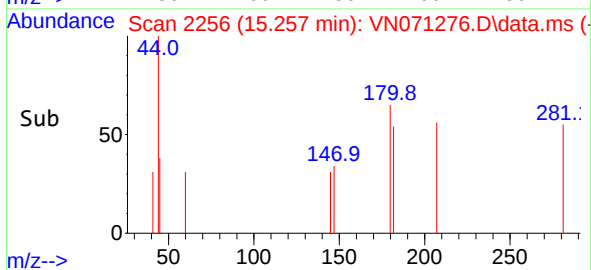
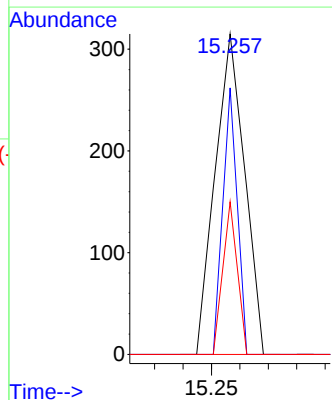
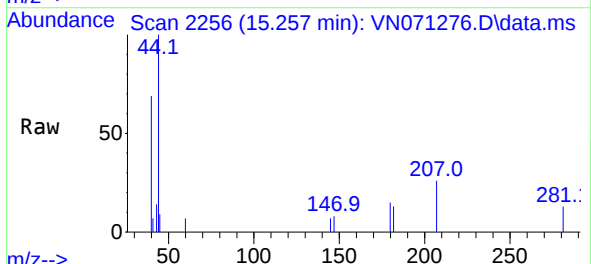
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

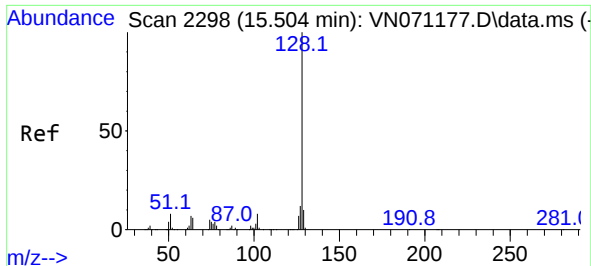
Tgt Ion: 75 Resp: 238448
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.024 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion:180 Resp: 227
Ion Ratio Lower Upper
180 100
182 40.5 48.3 144.9#
145 23.3 14.5 43.5

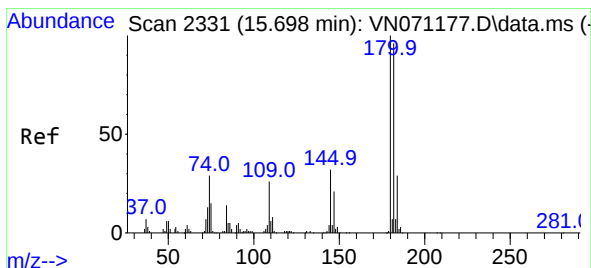
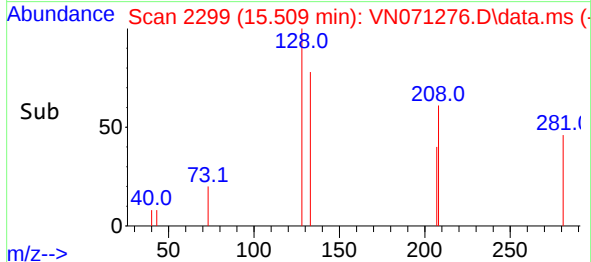
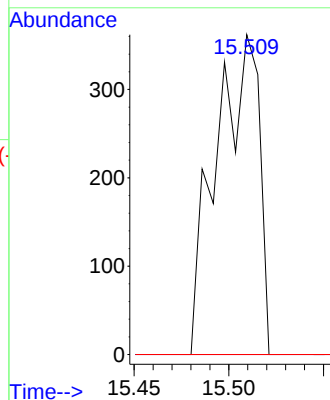
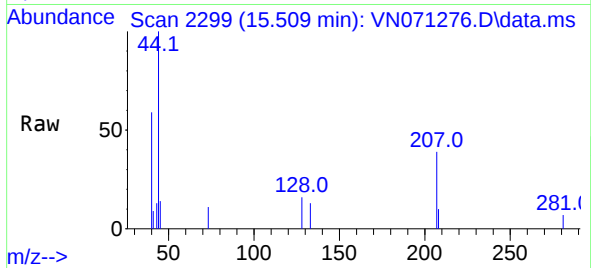




#95
Naphthalene
Concen: 5.098 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#08

Tgt Ion:128 Resp: 572
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.743 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071276.D
Acq: 14 Mar 2022 19:14

Tgt Ion:180 Resp: 67
Ion Ratio Lower Upper
180 100
182 91.0 47.4 142.2
145 0.0 15.0 45.1#

