

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071279.D
 Acq On : 14 Mar 2022 20:27
 Operator : JC\MD
 Sample : PB143286ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#11

Quant Time: Mar 15 02:55:54 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)

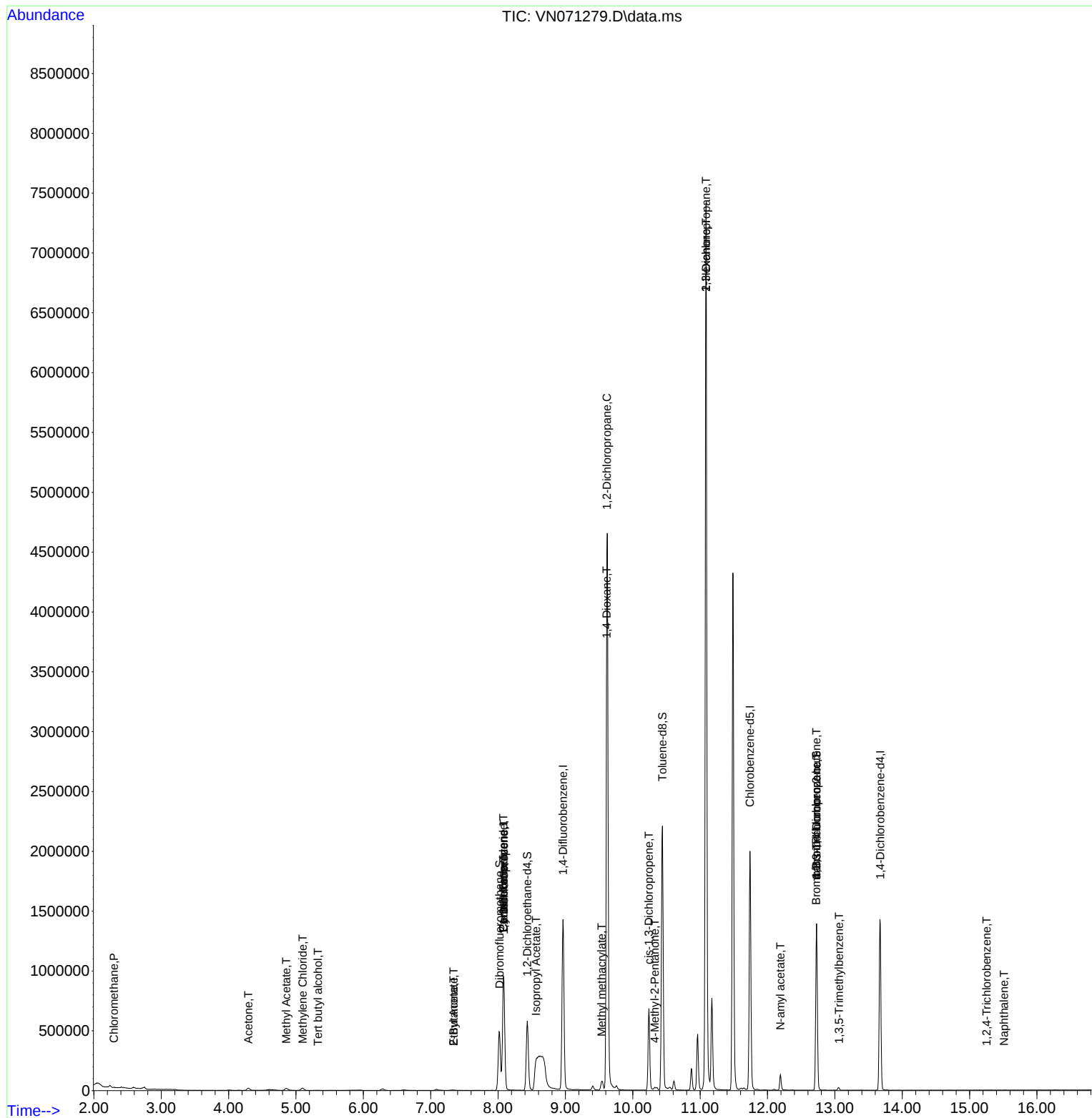
Internal Standards						
1) Pentafluorobenzene	8.081	168	739209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1247158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1124904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	400393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	473818	46.769	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.540%		
35) Dibromofluoromethane	8.022	113	363493	46.187	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.380%		
50) Toluene-d8	10.439	98	1534662	48.432	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.860%		
62) 4-Bromofluorobenzene	12.727	95	484079	45.115	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.220%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2764	0.220	ug/l #	76
5) Bromomethane	2.857	94	638	Below Cal	#	62
11) Tert butyl alcohol	5.328	59	1062	0.534	ug/l #	71
16) Acetone	4.293	43	35008	7.102	ug/l #	85
18) Methyl Acetate	4.857	43	40146	3.474	ug/l	93
20) Methylene Chloride	5.098	84	14893	2.022	ug/l #	91
25) 2-Butanone	7.339	43	7252	0.913	ug/l	91
31) Cyclohexane	8.081	56	16589	1.025	ug/l #	8
36) 1,1-Dichloropropene	8.086	75	58431	4.634	ug/l #	49
37) Ethyl Acetate	7.339	43	7252	0.418	ug/l #	68
38) Carbon Tetrachloride	8.081	117	73033	5.988	ug/l #	17
43) Isopropyl Acetate	8.563	43	286698	11.048	ug/l #	68
45) 1,2-Dichloropropane	9.616	63	5866	0.575	ug/l #	44
48) Methyl methacrylate	9.539	41	22842	1.899	ug/l #	8
49) 1,4-Dioxane	9.610	88	707	3.382	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	14756	0.916	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	118259	7.740	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	75823	4.506	ug/l #	43
59) 2-Hexanone	11.086	43	1180771	107.452	ug/l #	49
71) Bromoform	12.721	173	2949	0.438	ug/l #	1
74) N-amyl acetate	12.192	43	41350	2.849	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.721	83	132	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	249883	24.299	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.063	105	10646	0.355	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	249883	67.464	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	151	3.011	ug/l #	12
95) Naphthalene	15.509	128	430	5.089	ug/l #	69

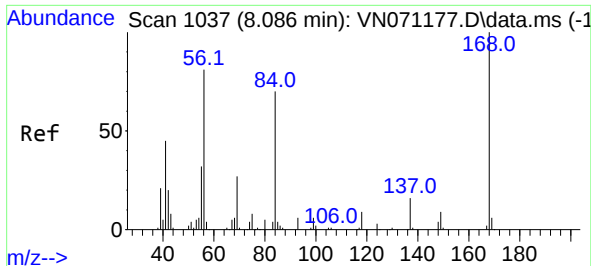
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
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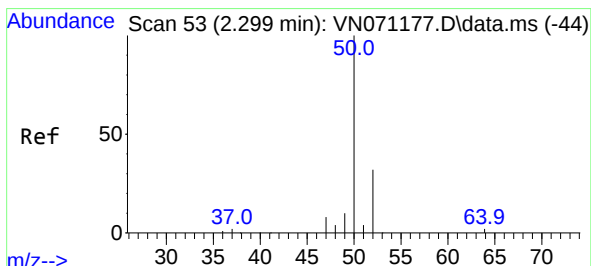
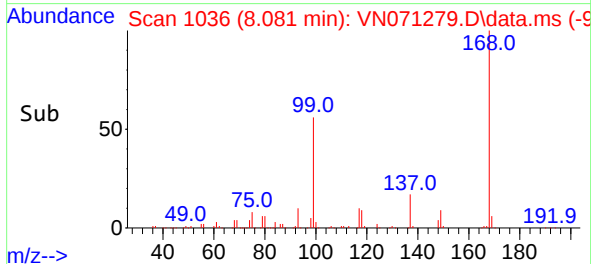
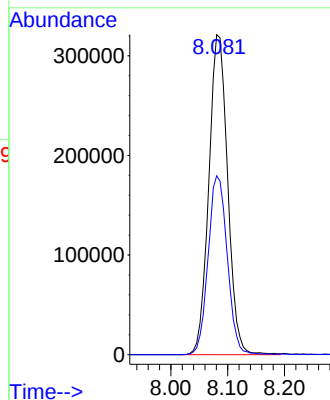
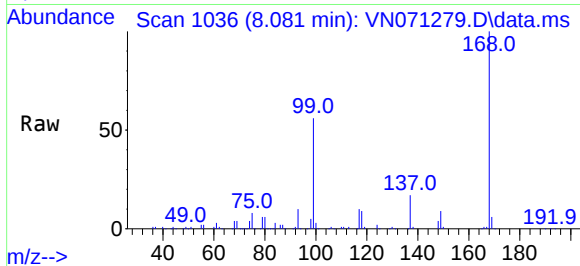




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

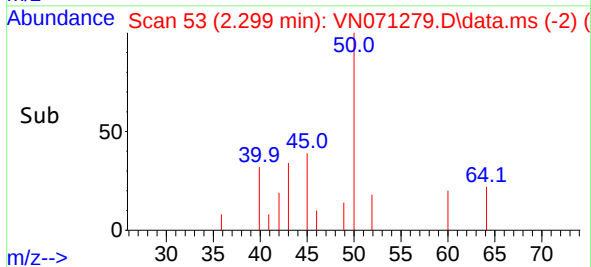
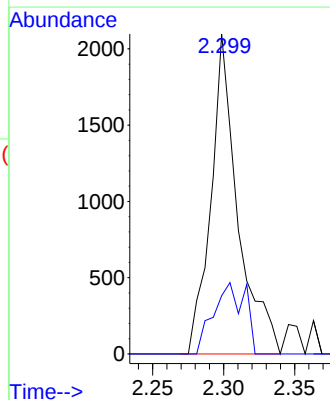
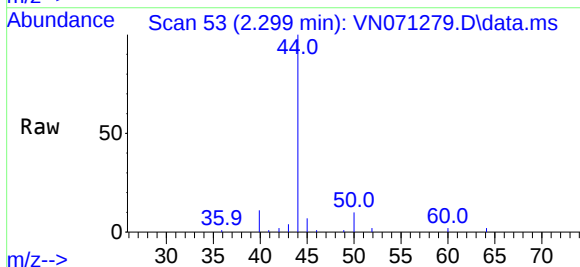
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

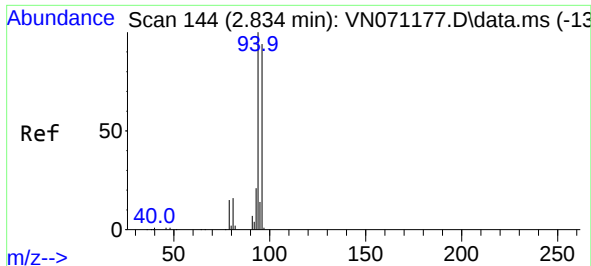
Tgt Ion:168 Resp: 739209
Ion Ratio Lower Upper
168 100
99 55.9 41.3 61.9



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion: 50 Resp: 2764
Ion Ratio Lower Upper
50 100
52 18.2 25.4 38.0#

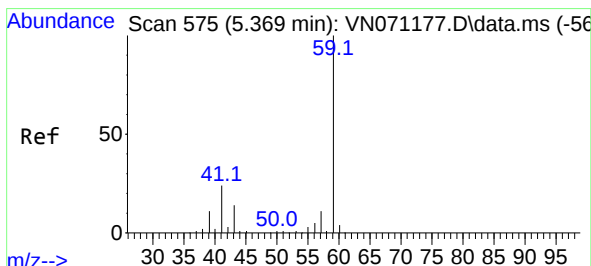
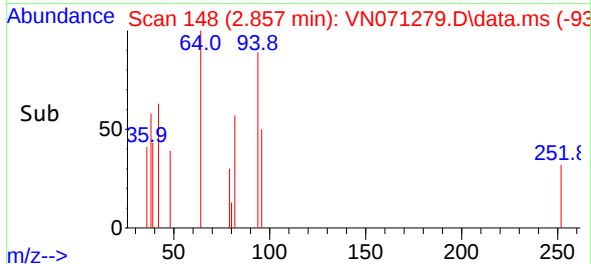
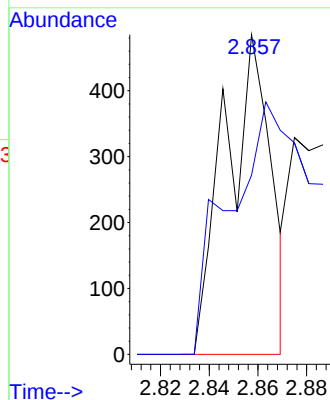
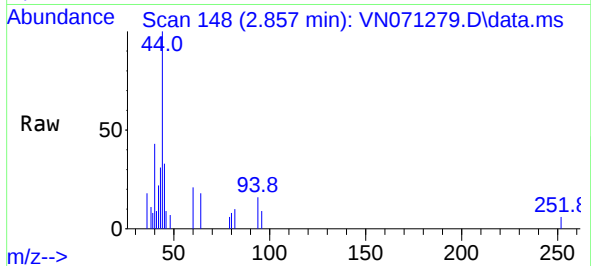




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 144
Delta R.T. 0.023 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

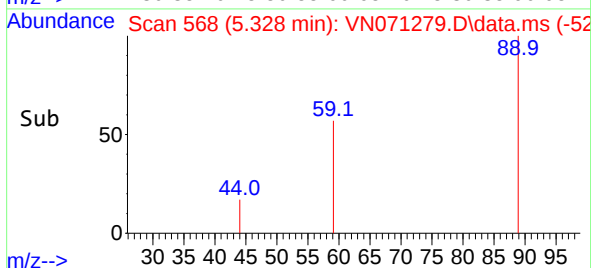
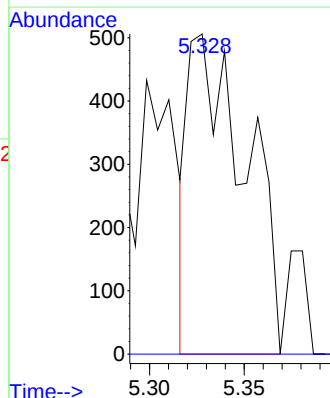
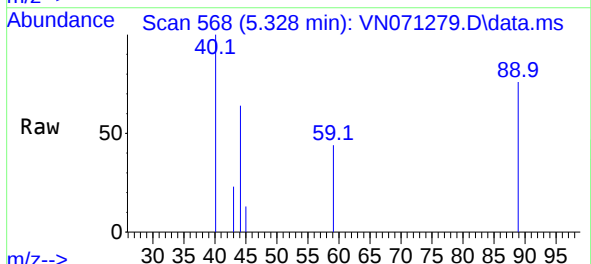
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

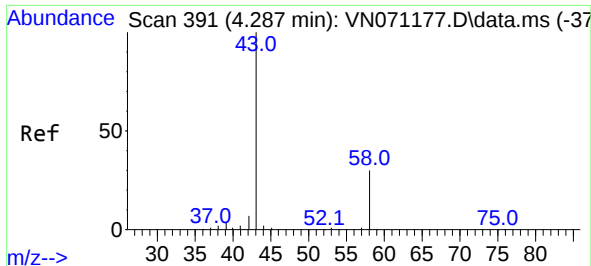
Tgt Ion: 94 Resp: 638
Ion Ratio Lower Upper
94 100
96 56.1 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.534 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.041 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion: 59 Resp: 1062
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

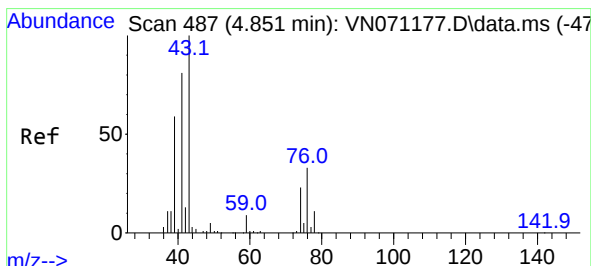
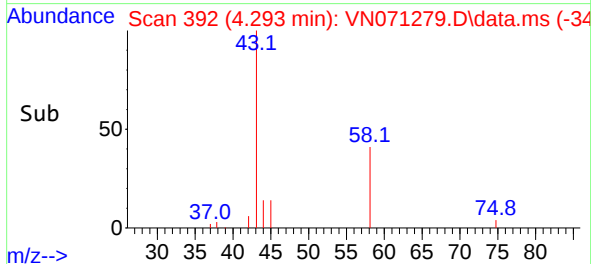
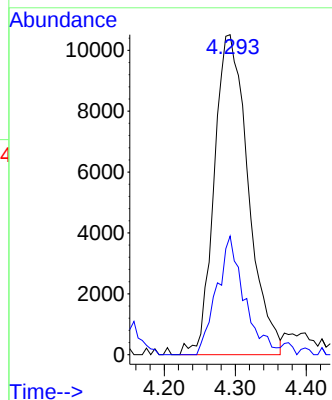
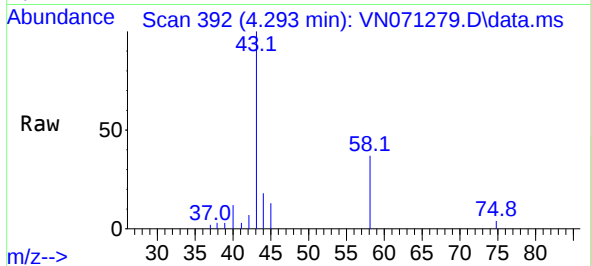




#16
Acetone
Concen: 7.102 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

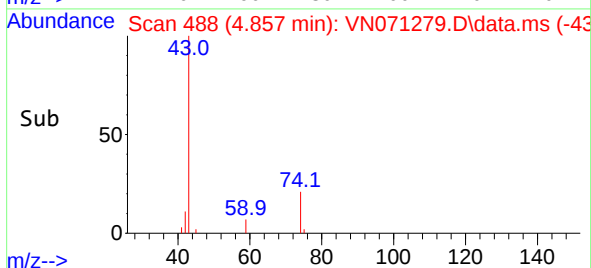
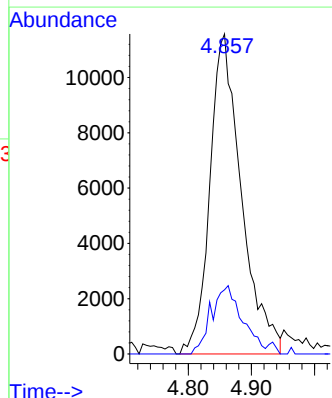
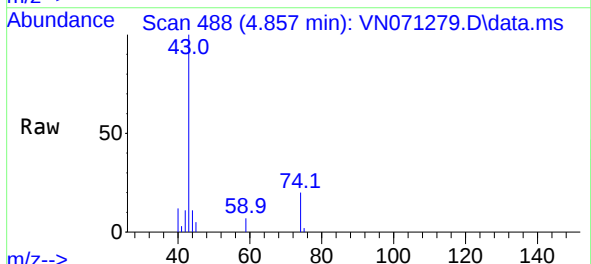
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

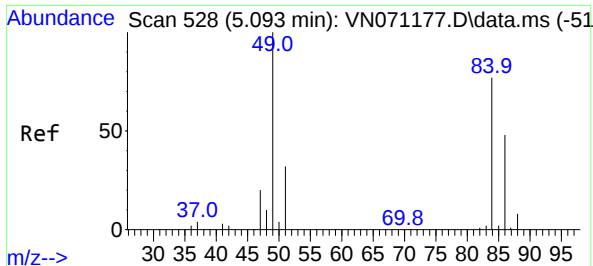
Tgt Ion: 43 Resp: 35008
Ion Ratio Lower Upper
43 100
58 37.0 23.1 34.7#



#18
Methyl Acetate
Concen: 3.474 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion: 43 Resp: 40146
Ion Ratio Lower Upper
43 100
74 21.0 19.4 29.2



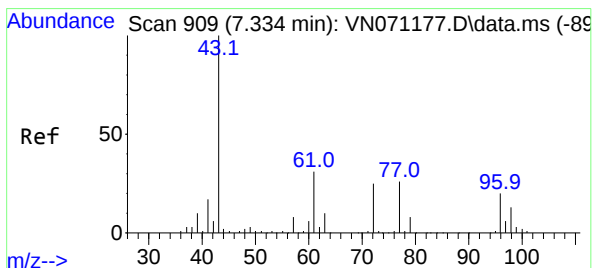
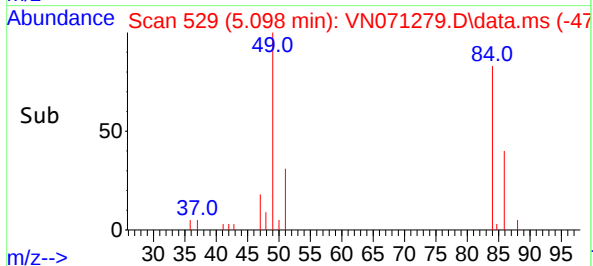
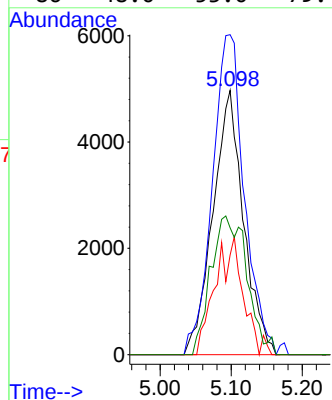
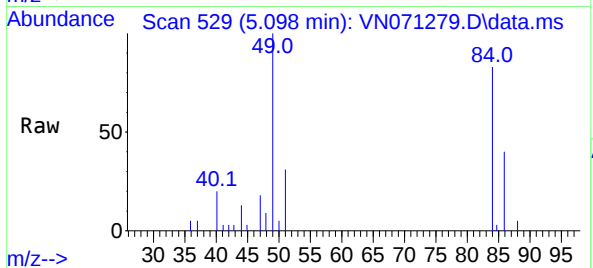


#20
Methylene Chloride
Concen: 2.022 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

Tgt Ion: 84 Resp: 14893

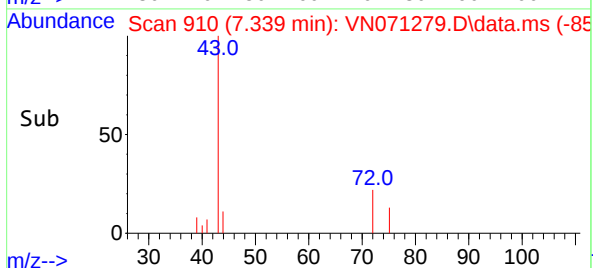
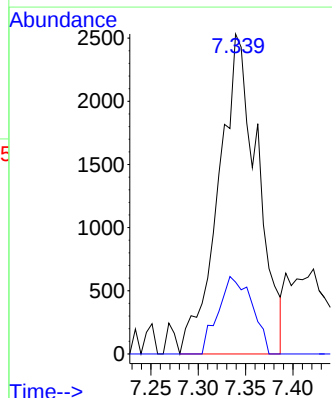
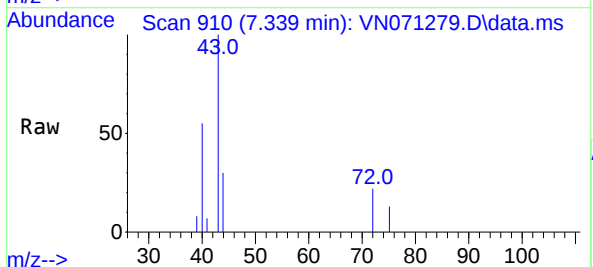
Ion	Ratio	Lower	Upper
84	100		
49	121.1	93.5	140.3
51	37.7	29.4	44.2
86	48.0	53.0	79.4

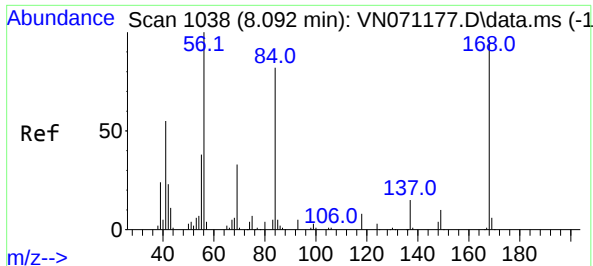


#25
2-Butanone
Concen: 0.913 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion: 43 Resp: 7252

Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.7	32.5





#31

Cyclohexane

Concen: 1.025 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071279.D

Acq: 14 Mar 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#11

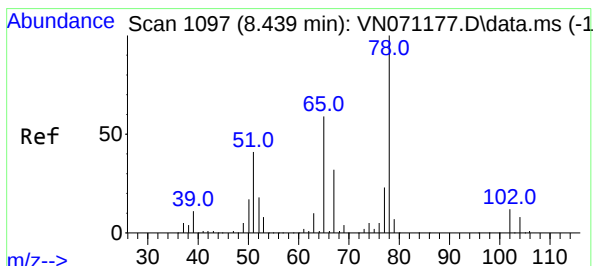
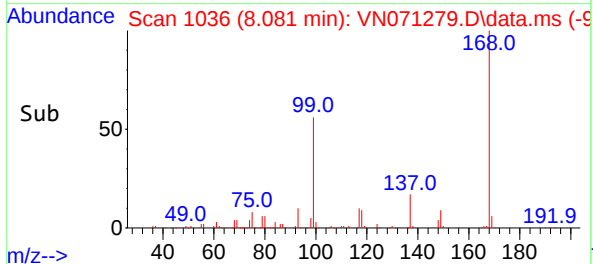
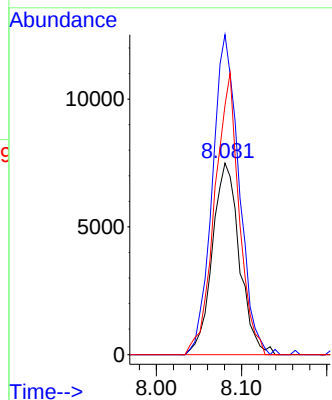
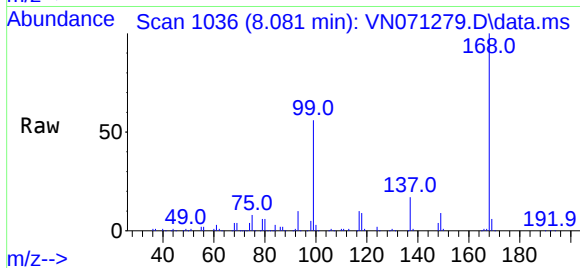
Tgt Ion: 56 Resp: 16589

Ion Ratio Lower Upper

56 100

69 167.0 27.1 40.7#

84 130.2 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.769 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071279.D

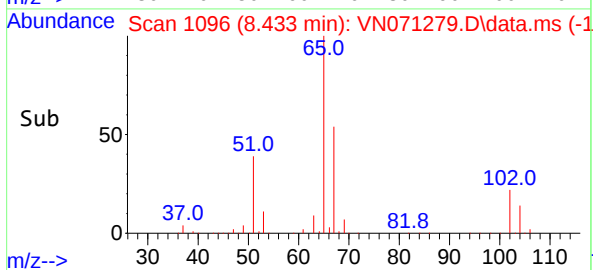
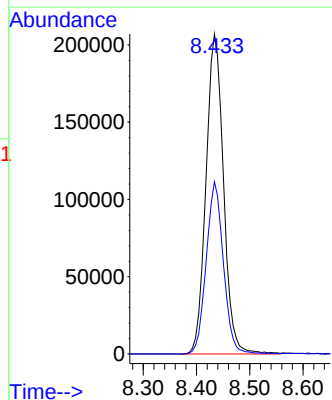
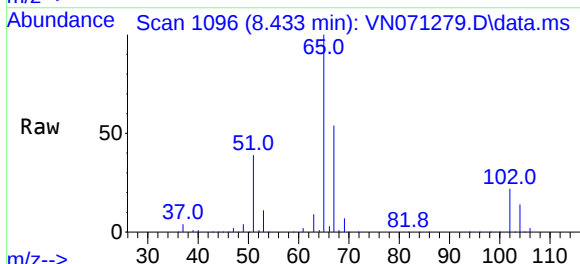
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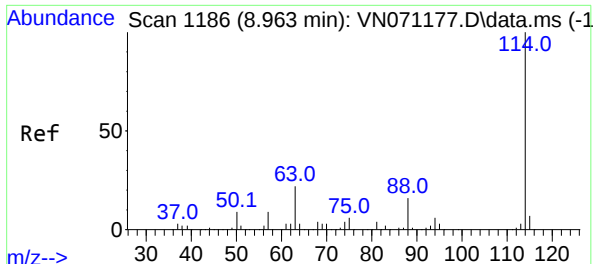
Tgt Ion: 65 Resp: 473818

Ion Ratio Lower Upper

65 100

67 52.8 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: VN071279.D

Acq: 14 Mar 2022 20:27

Instrument :

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PB143286ZHE#11

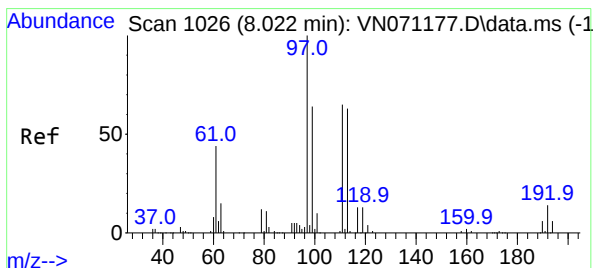
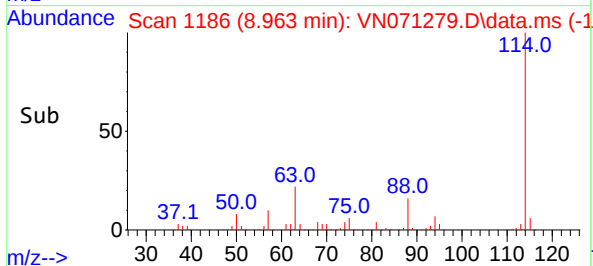
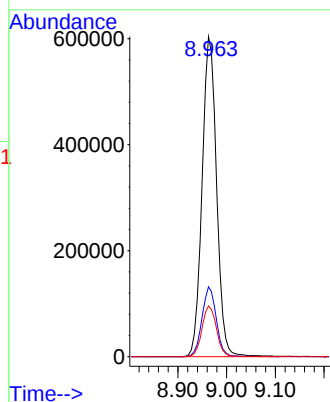
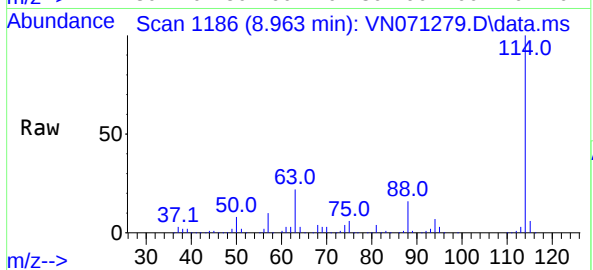
Tgt Ion:114 Resp: 1247158

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.8 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.187 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN071279.D

Acq: 14 Mar 2022 20:27

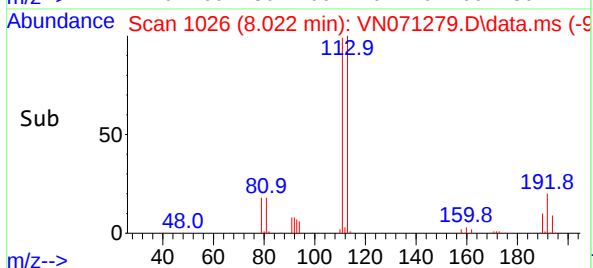
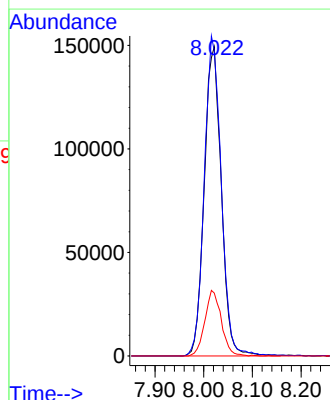
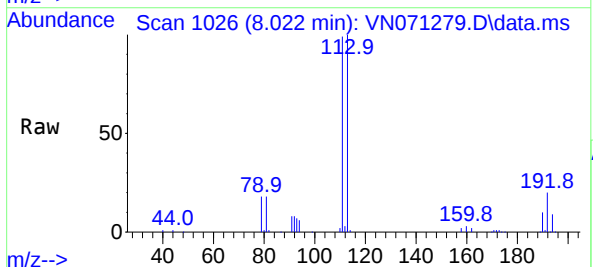
Tgt Ion:113 Resp: 363493

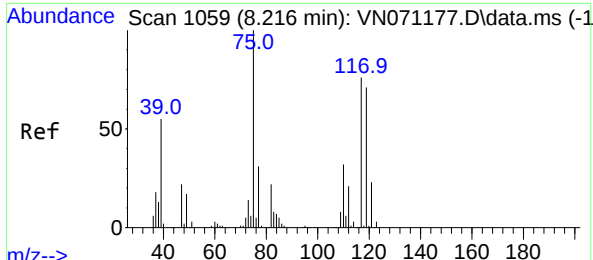
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 20.4 16.9 25.3

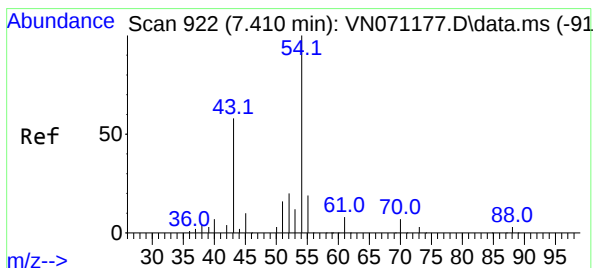
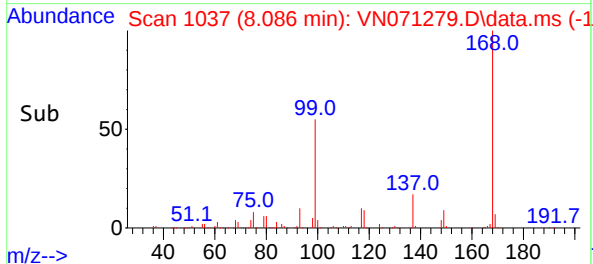
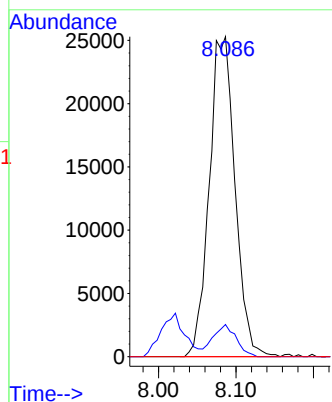
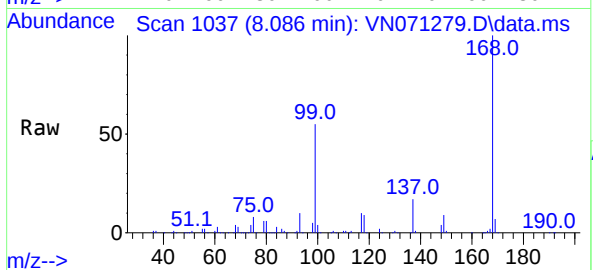




#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 8.086 min Scan# 1059
Delta R.T. -0.129 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

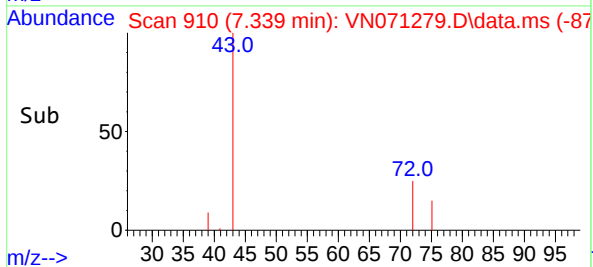
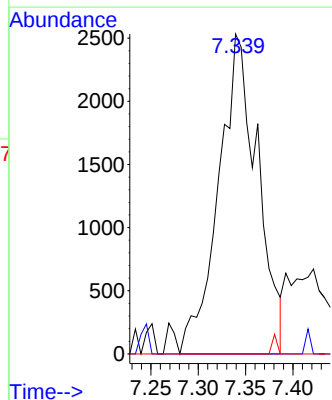
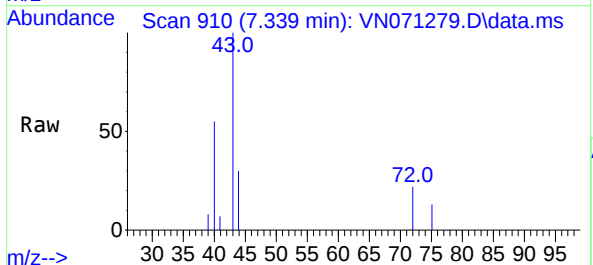
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

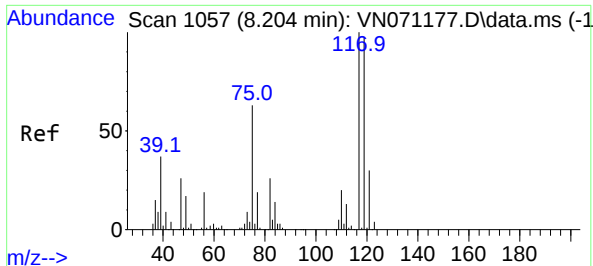
Tgt Ion: 75 Resp: 58431
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.418 ug/l
RT: 7.339 min Scan# 910
Delta R.T. -0.071 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

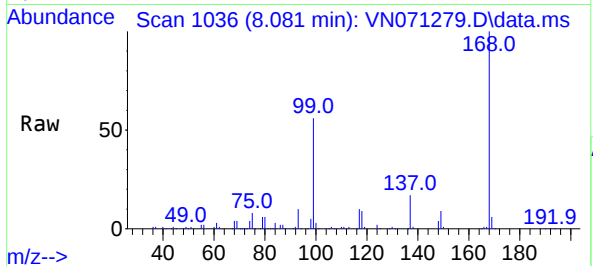
Tgt Ion: 43 Resp: 7252
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



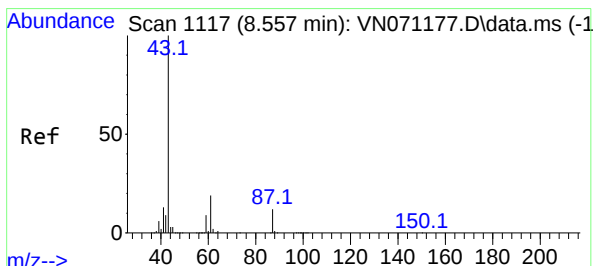
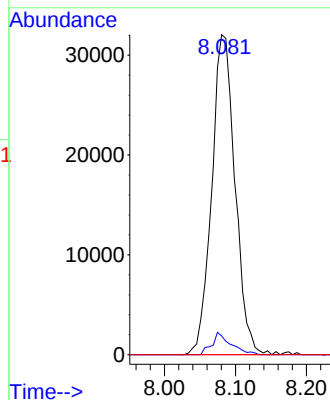
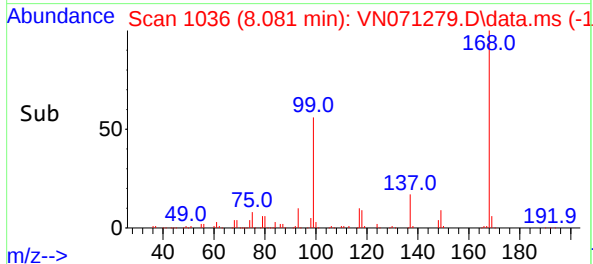


#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

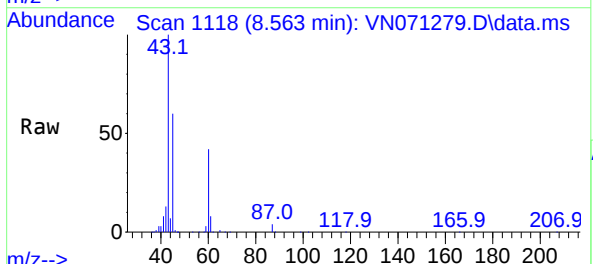
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11



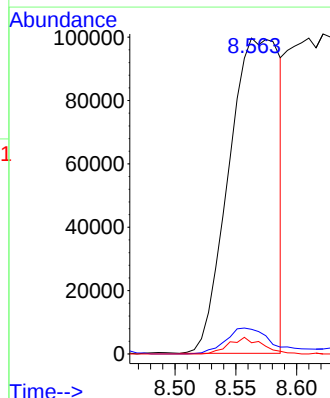
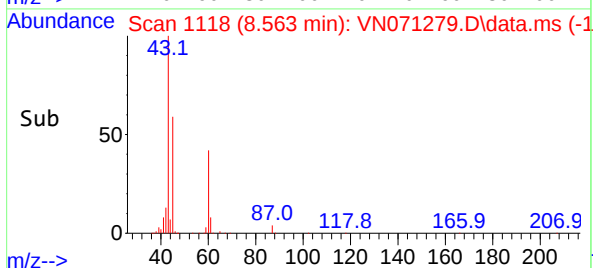
Tgt Ion:117 Resp: 73033
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.2 36.2#

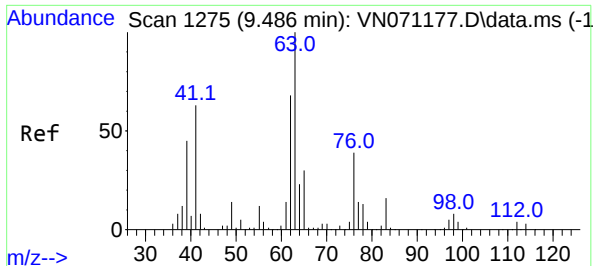


#43
Isopropyl Acetate
Concen: 11.048 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27



Tgt Ion: 43 Resp: 286698
Ion Ratio Lower Upper
43 100
61 7.8 20.4 30.6#
87 3.5 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.575 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN071279.D

Acq: 14 Mar 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

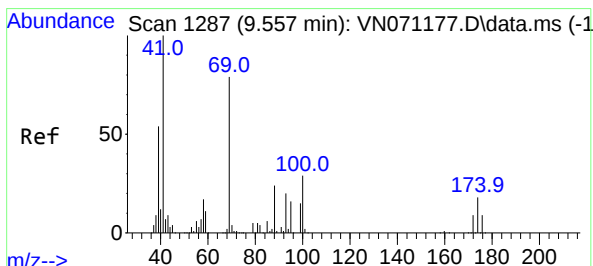
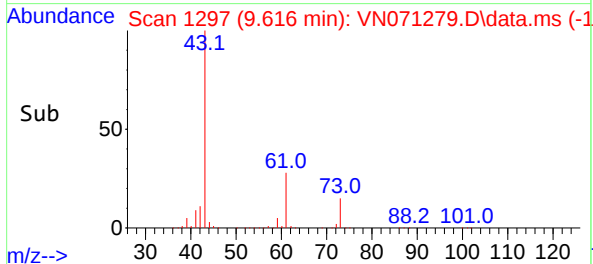
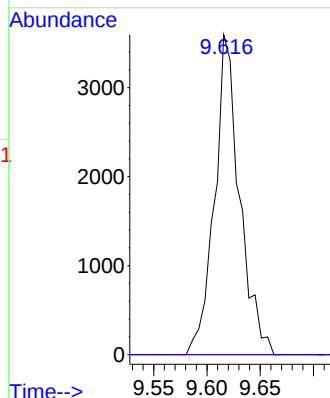
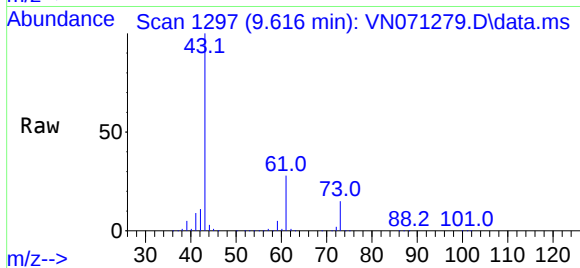
PB143286ZHE#11

Tgt Ion: 63 Resp: 5866

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.899 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071279.D

Acq: 14 Mar 2022 20:27

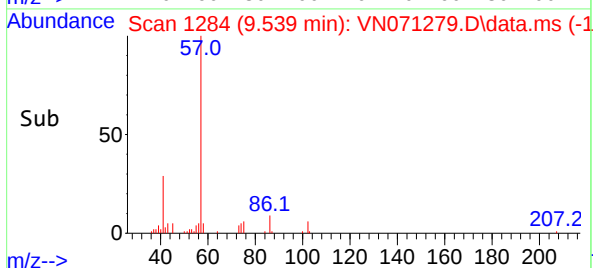
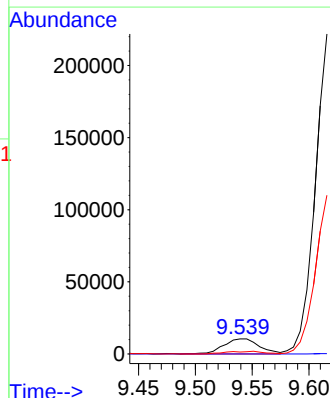
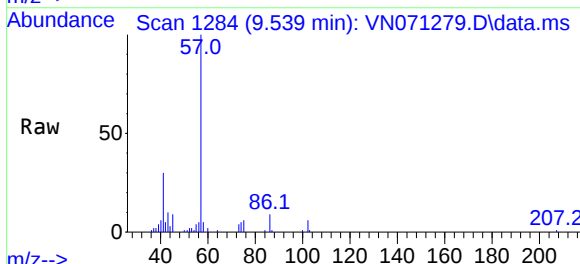
Tgt Ion: 41 Resp: 22842

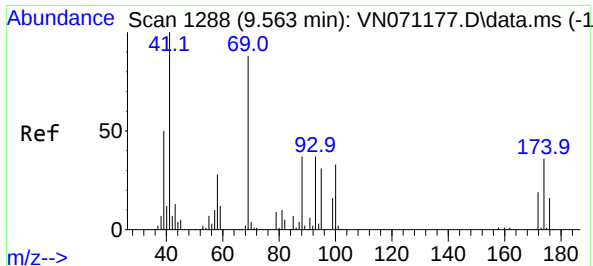
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#

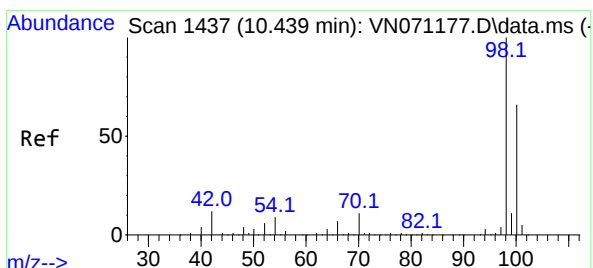
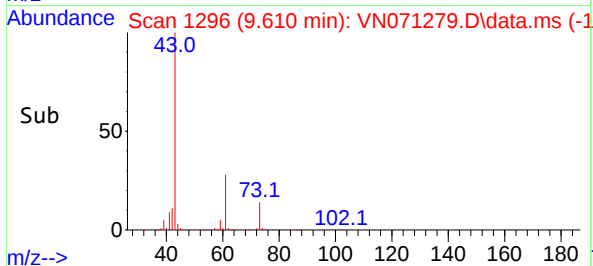
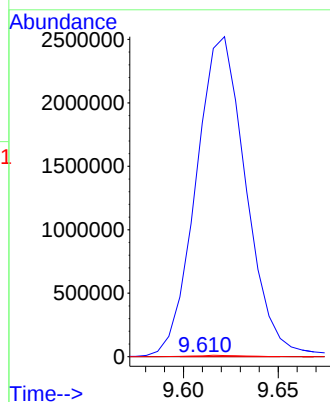
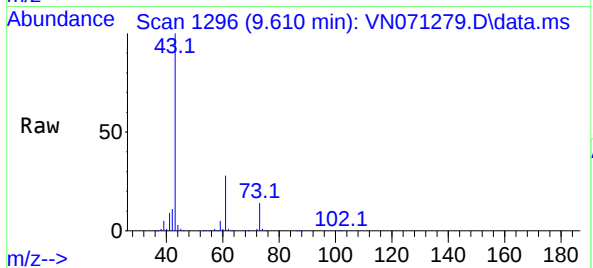




#49
1,4-Dioxane
Concen: 3.382 ug/l
RT: 9.610 min Scan# 1296
Delta R.T. 0.047 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

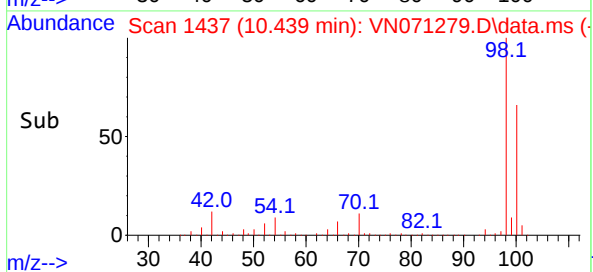
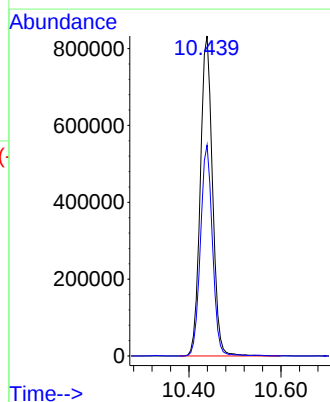
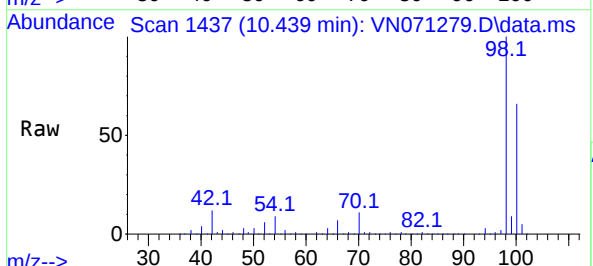
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

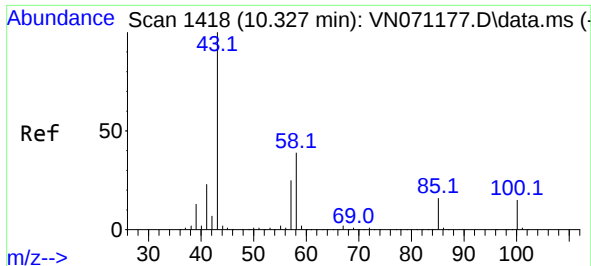
Tgt Ion: 88 Resp: 707
Ion Ratio Lower Upper
88 100
43 665118.4 23.4 35.2#
58 2782.9 50.6 75.8#



#50
Toluene-d8
Concen: 48.432 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion: 98 Resp: 1534662
Ion Ratio Lower Upper
98 100
100 64.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.916 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VN071279.D

Acq: 14 Mar 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

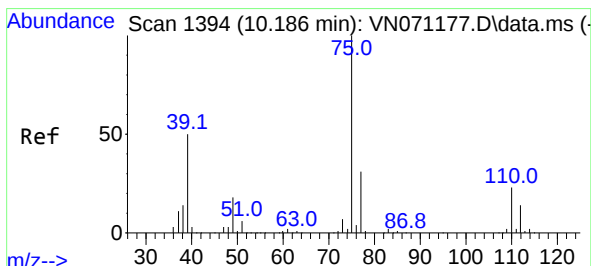
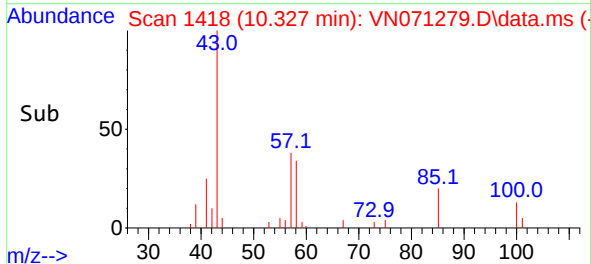
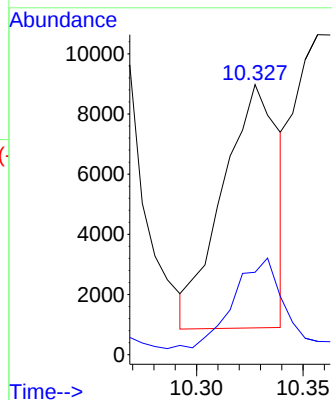
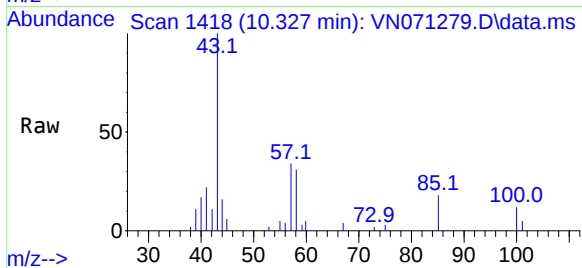
PB143286ZHE#11

Tgt Ion: 43 Resp: 14756

Ion Ratio Lower Upper

43 100

58 40.3 30.4 45.6



#54

cis-1,3-Dichloropropene

Concen: 7.740 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071279.D

Acq: 14 Mar 2022 20:27

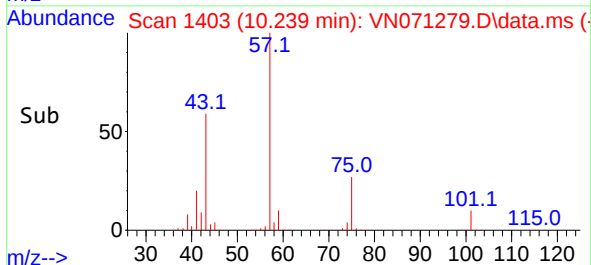
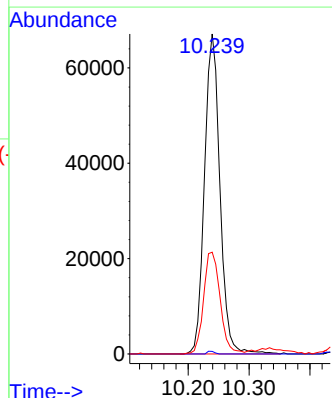
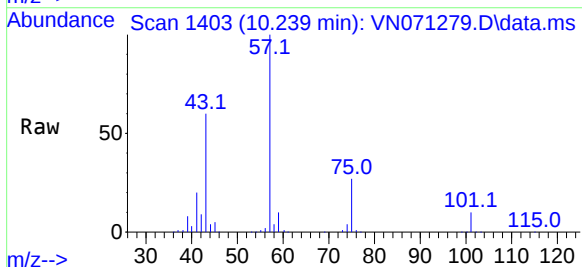
Tgt Ion: 75 Resp: 118259

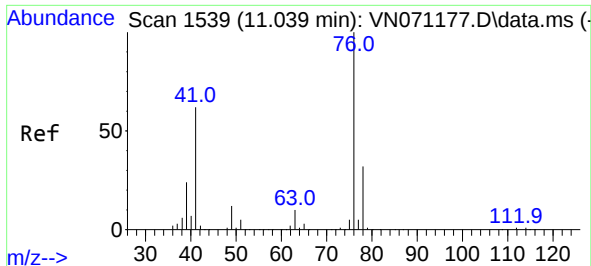
Ion Ratio Lower Upper

75 100

77 0.8 26.4 39.6#

39 31.8 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.506 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN071279.D

Acq: 14 Mar 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

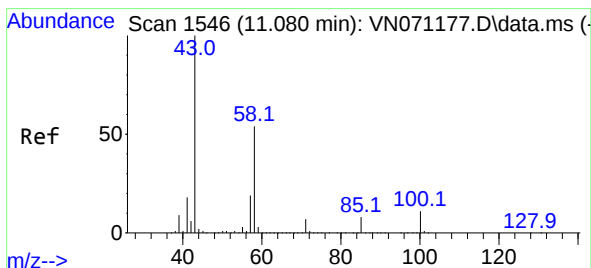
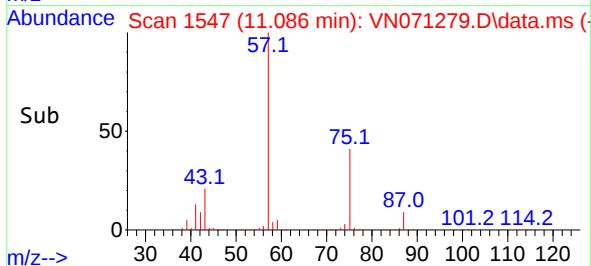
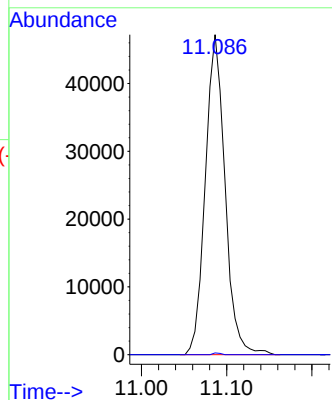
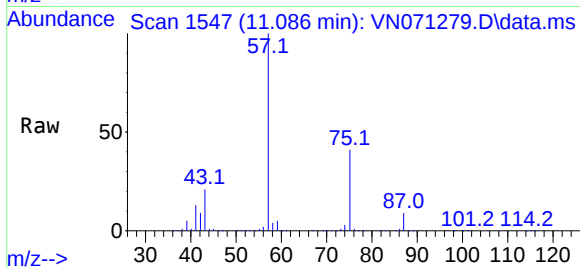
PB143286ZHE#11

Tgt Ion: 76 Resp: 75823

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 107.452 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071279.D

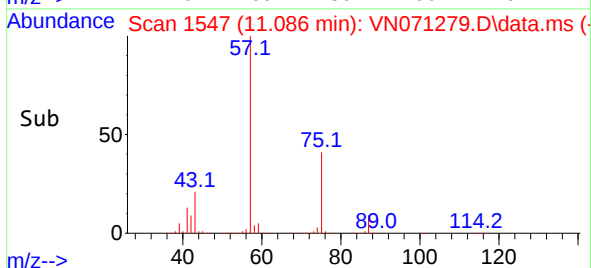
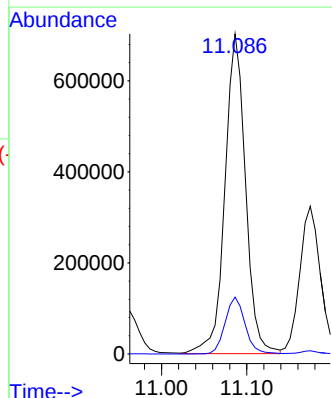
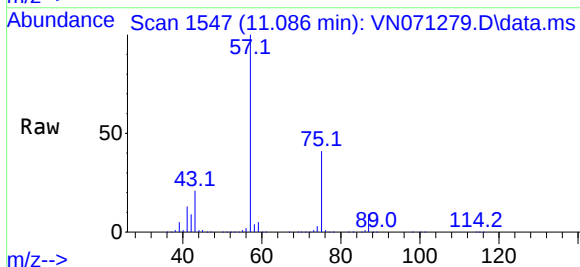
Acq: 14 Mar 2022 20:27

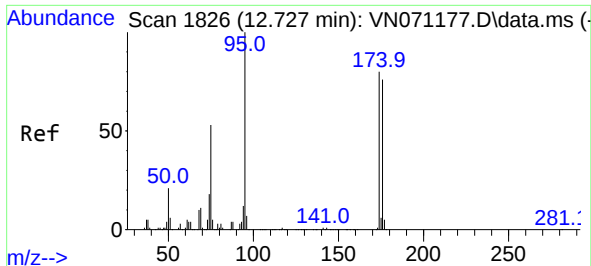
Tgt Ion: 43 Resp: 1180771

Ion Ratio Lower Upper

43 100

58 17.2 26.9 80.7#

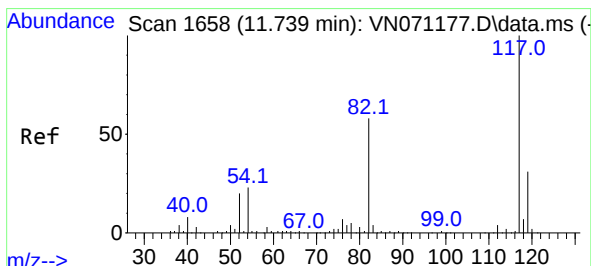
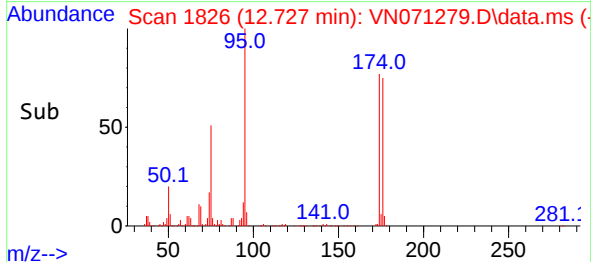
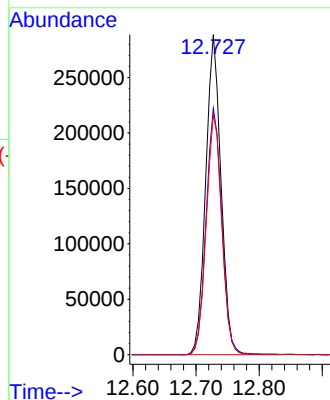
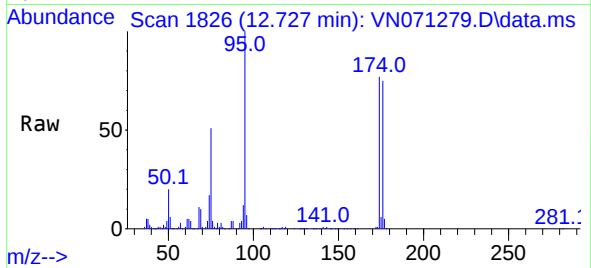




#62
4-Bromofluorobenzene
Concen: 45.115 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

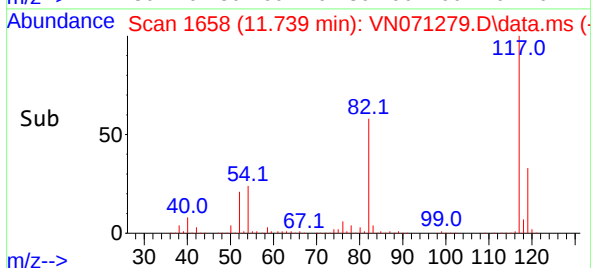
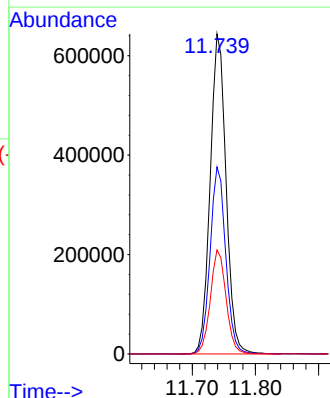
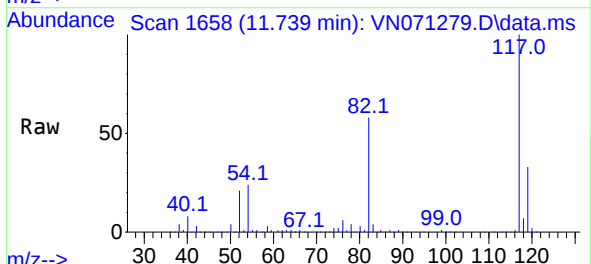
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

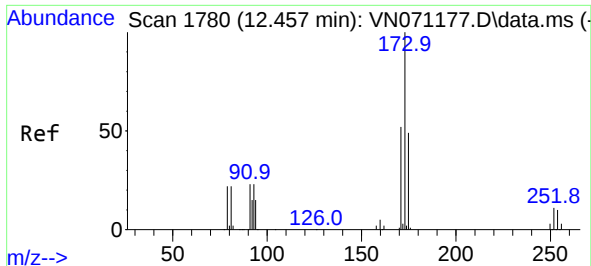
Tgt Ion: 95 Resp: 484079
Ion Ratio Lower Upper
95 100
174 79.3 0.0 187.2
176 76.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion: 117 Resp: 1124904
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.5 25.4 38.2

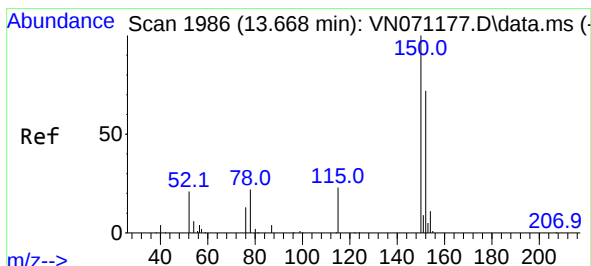
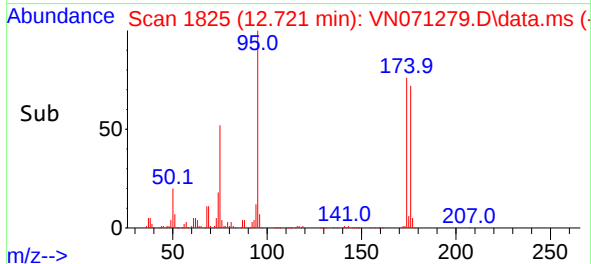
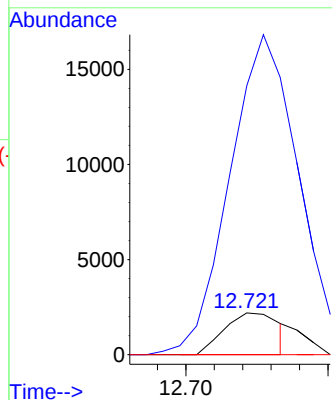
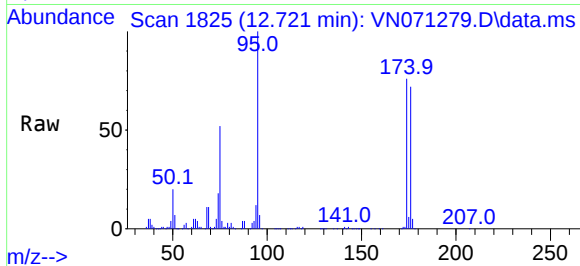




#71
Bromoform
Concen: 0.438 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

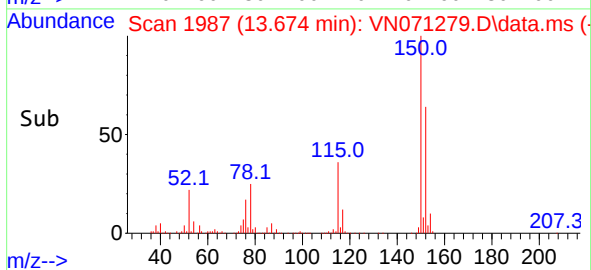
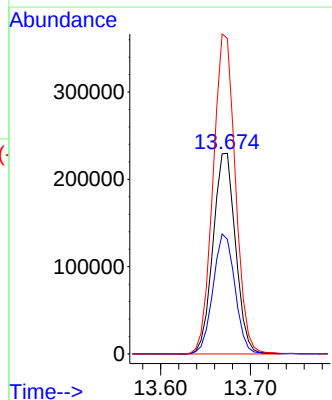
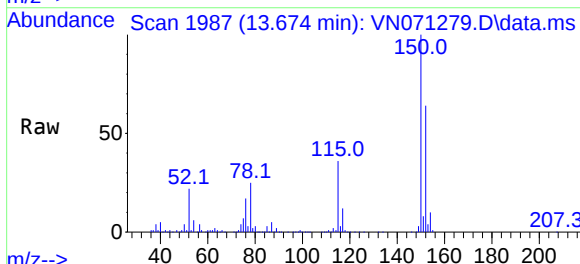
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

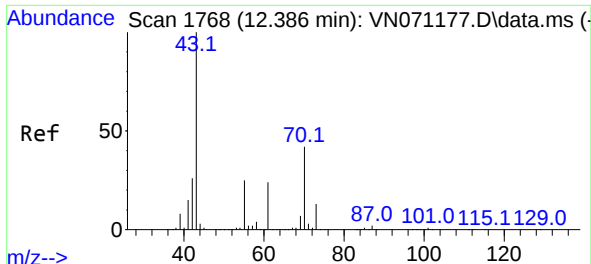
Tgt Ion:173 Resp: 2949
Ion Ratio Lower Upper
173 100
175 741.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion:152 Resp: 400393
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 158.7 0.0 344.4

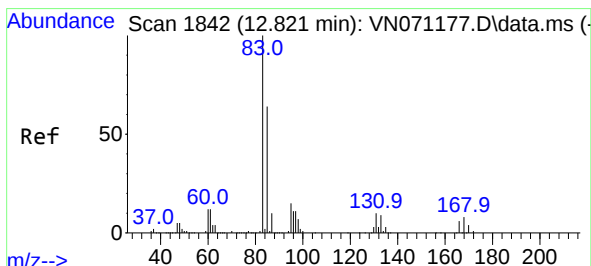
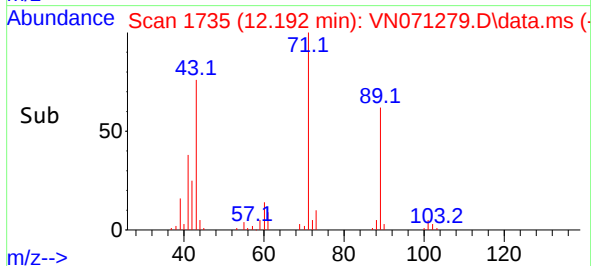
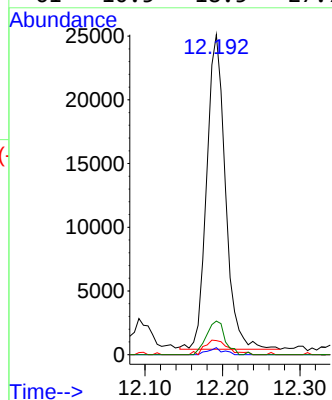
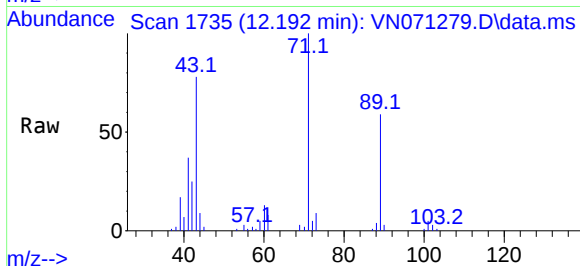




#74
N-amy1 acetate
Concen: 2.849 ug/l
RT: 12.192 min Scan# 1
Delta R.T. -0.194 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

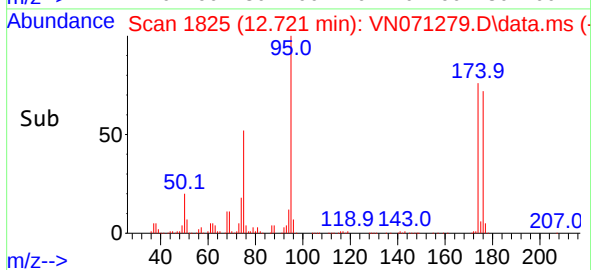
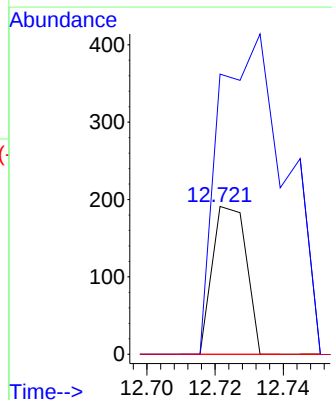
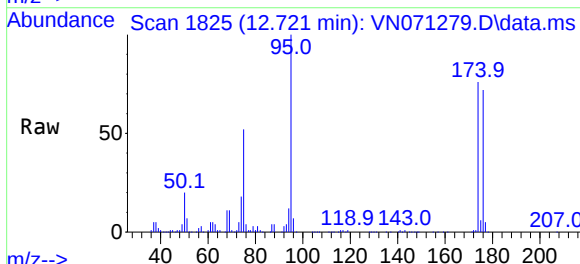
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

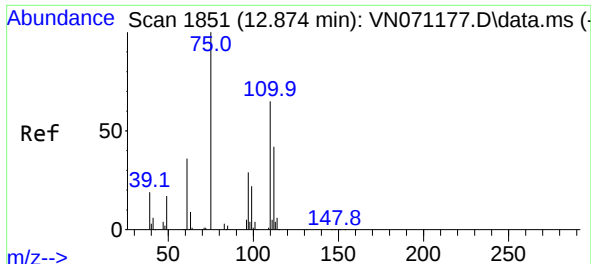
Tgt Ion:	43	Resp:	41350
Ion	Ratio	Lower	Upper
43	100		
70	1.8	33.4	50.0#
55	5.9	19.3	28.9#
61	10.5	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.721 min Scan# 1825
Delta R.T. -0.100 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion:	83	Resp:	132
Ion	Ratio	Lower	Upper
83	100		
131	427.3	5.5	16.5#
85	0.0	32.4	97.2#

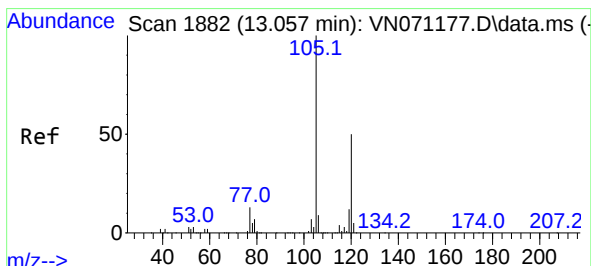
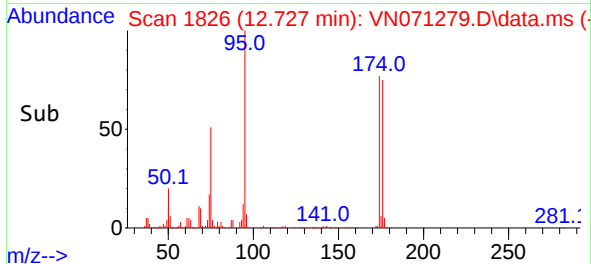
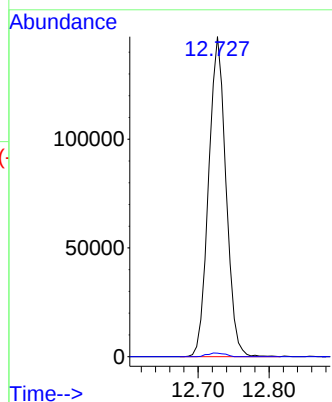
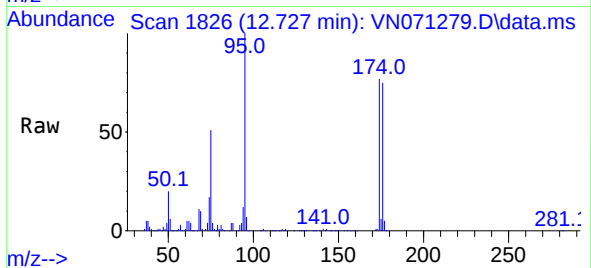




#76
1,2,3-Trichloropropane
Concen: 24.299 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

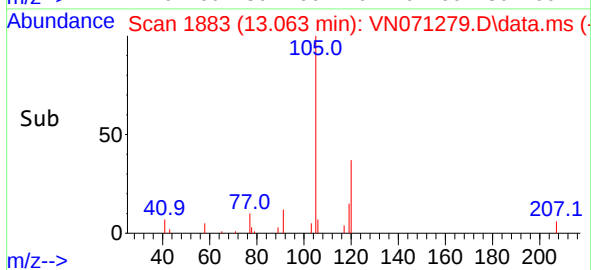
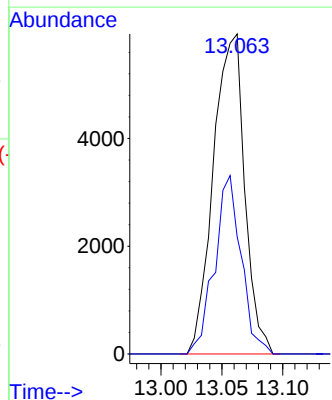
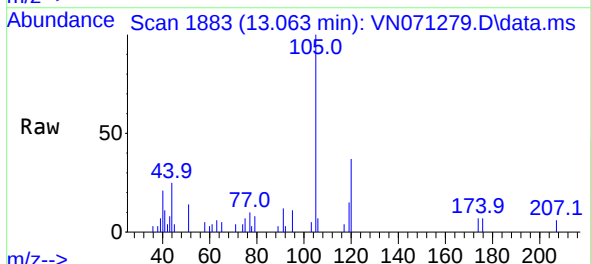
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

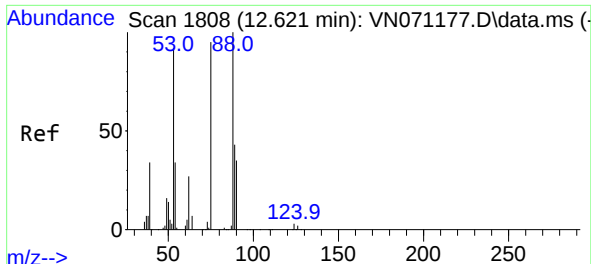
Tgt Ion: 75 Resp: 249883
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.355 ug/l
RT: 13.063 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion: 105 Resp: 10646
Ion Ratio Lower Upper
105 100
120 47.4 24.6 73.6

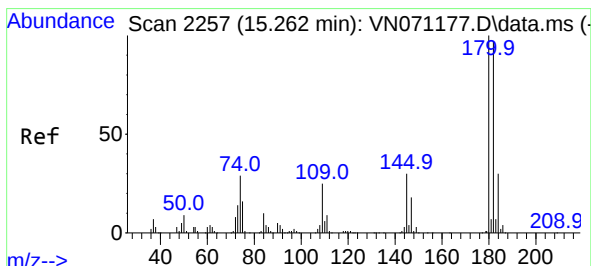
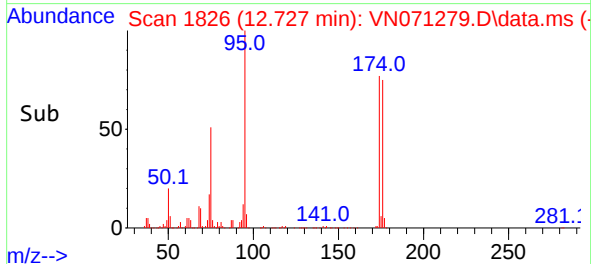
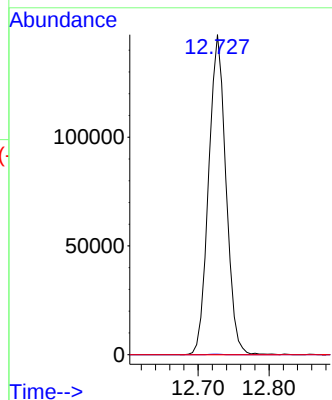
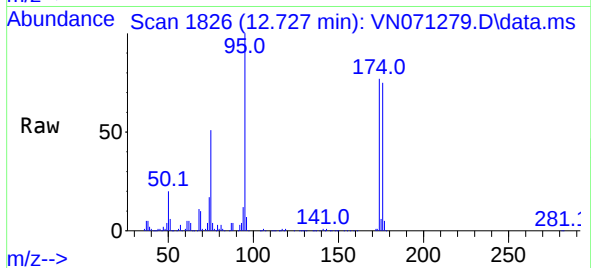




#81
trans-1,4-Dichloro-2-butene
Concen: 67.464 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

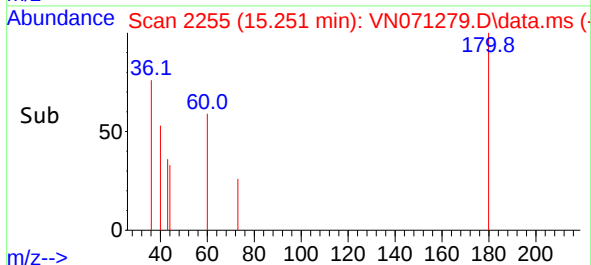
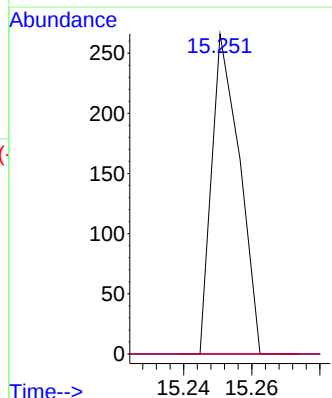
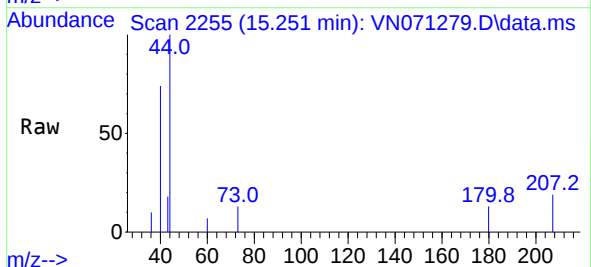
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

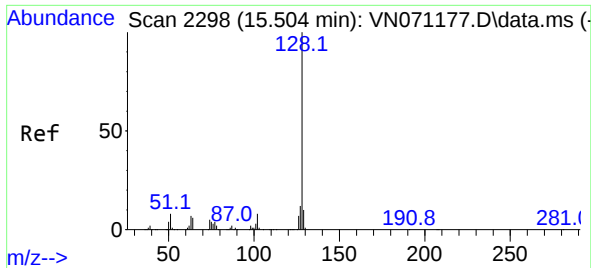
Tgt Ion: 75 Resp: 249883
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.011 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.011 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Tgt Ion:180 Resp: 151
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 5.089 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071279.D
Acq: 14 Mar 2022 20:27

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#11

Tgt Ion:128 Resp: 430
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

