

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071294.D
 Acq On : 15 Mar 2022 16:04
 Operator : JC\MD
 Sample : PB143286TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286TB

Quant Time: Mar 16 08:01:00 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)

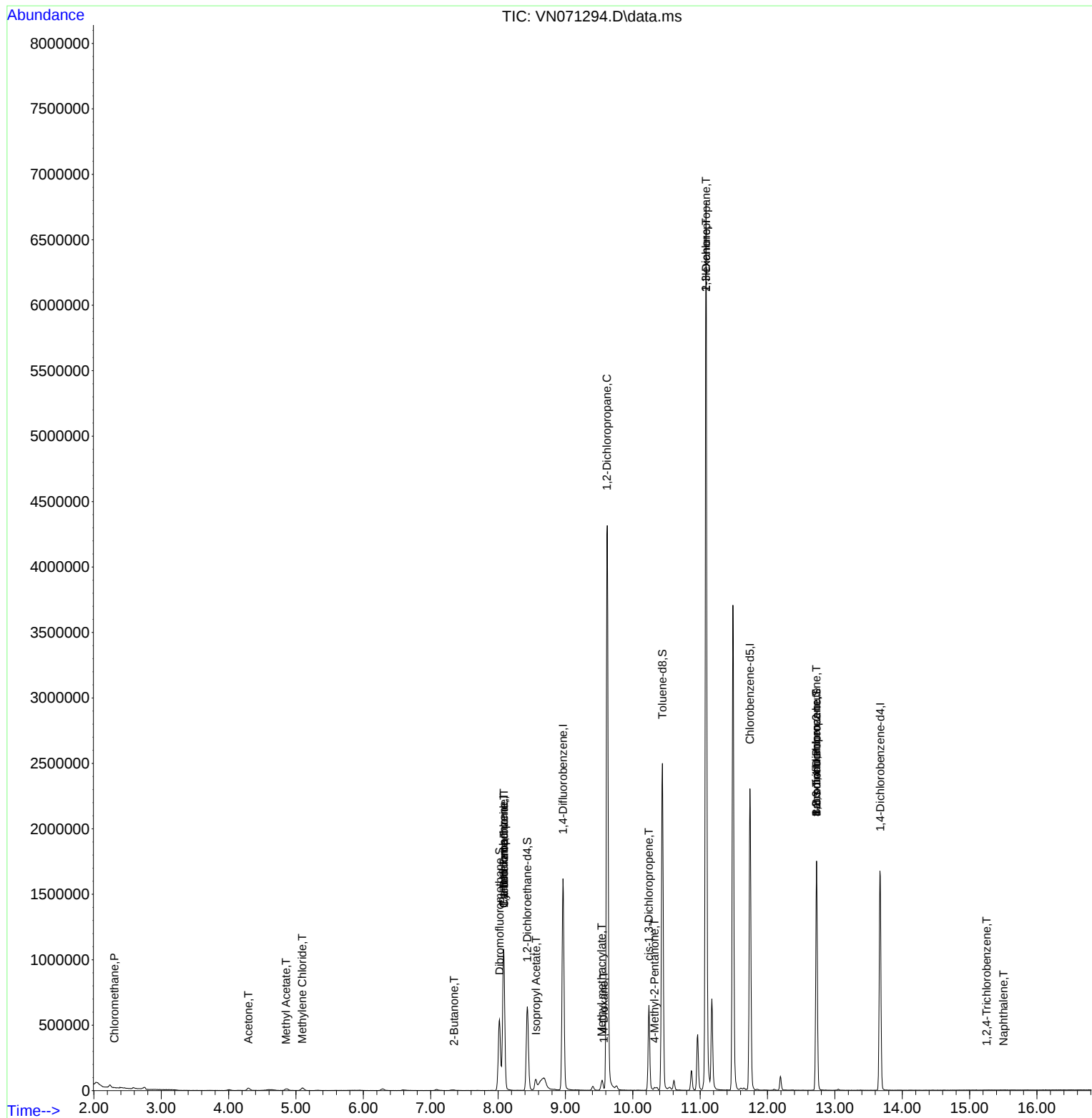
Internal Standards						
1) Pentafluorobenzene	8.081	168	829444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1385410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1324369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	466611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	531947	46.794	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.580%		
35) Dibromofluoromethane	8.022	113	401642	45.942	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.880%		
50) Toluene-d8	10.439	98	1730696	49.168	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.727	95	590902	49.575	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.140%		
Target Compounds						Qvalue
3) Chloromethane	2.305	50	3104	0.220	ug/l #	86
5) Bromomethane	2.881	94	1512	Below Cal	#	70
16) Acetone	4.293	43	31157	5.633	ug/l #	87
18) Methyl Acetate	4.851	43	31005	2.538	ug/l #	68
20) Methylene Chloride	5.093	84	14803	1.835	ug/l	94
25) 2-Butanone	7.345	43	7730	0.868	ug/l #	82
31) Cyclohexane	8.087	56	17904	0.986	ug/l #	3
36) 1,1-Dichloropropene	8.087	75	64499	4.605	ug/l #	49
38) Carbon Tetrachloride	8.087	117	80816	5.965	ug/l #	16
43) Isopropyl Acetate	8.563	43	99900	3.465	ug/l #	83
45) 1,2-Dichloropropane	9.616	63	5438	0.480	ug/l #	44
48) Methyl methacrylate	9.539	41	22020	1.648	ug/l #	8
49) 1,4-Dioxane	9.569	88	126	0.543	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	13309	0.744	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	111921	6.594	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	68889	3.686	ug/l #	43
59) 2-Hexanone	11.086	43	1092235	89.477	ug/l #	49
71) Bromoform	12.727	173	3841	0.485	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.722	83	455	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	312561	26.300	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	312561	72.411	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	283	3.024	ug/l #	61
95) Naphthalene	15.504	128	896	5.105	ug/l #	69

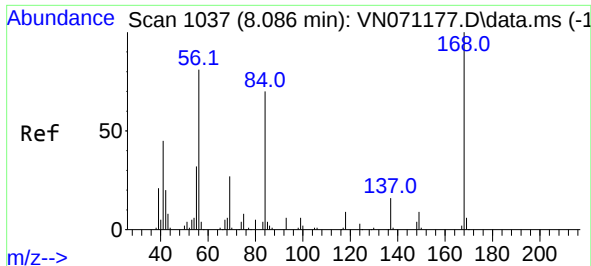
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 16 08:01:00 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

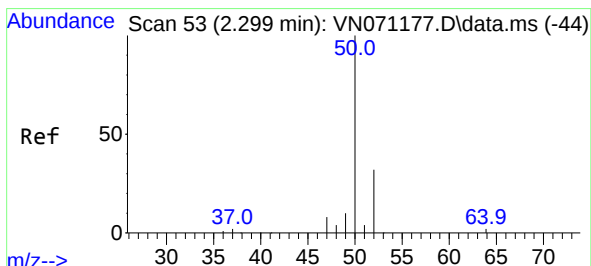
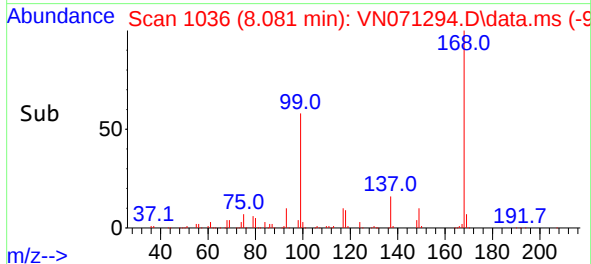
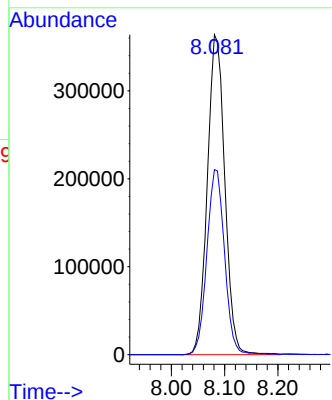
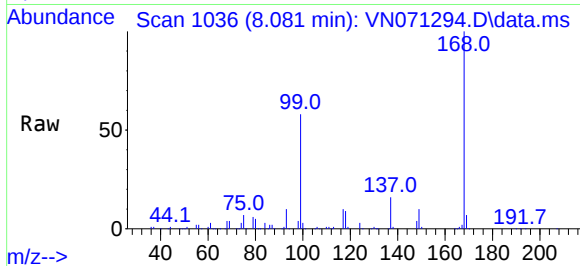




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

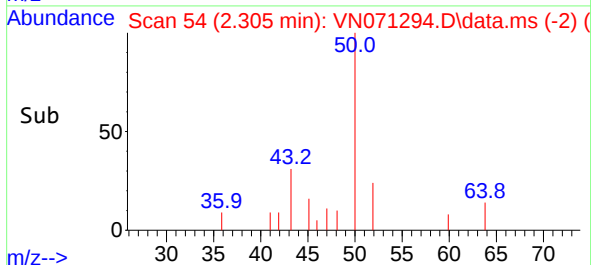
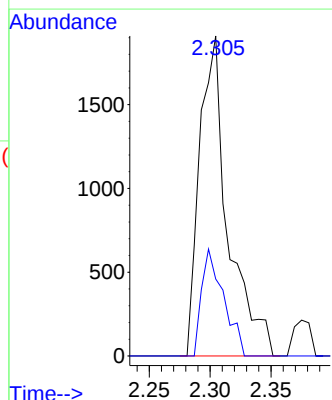
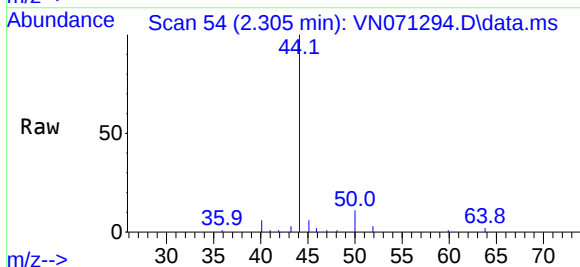
Instrument :
MSVOA_N
ClientSampleId :
PB143286TB

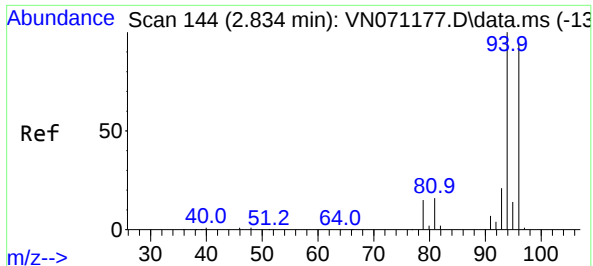
Tgt Ion:168 Resp: 829444
Ion Ratio Lower Upper
168 100
99 57.9 41.3 61.9



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 50 Resp: 3104
Ion Ratio Lower Upper
50 100
52 24.1 25.4 38.0#

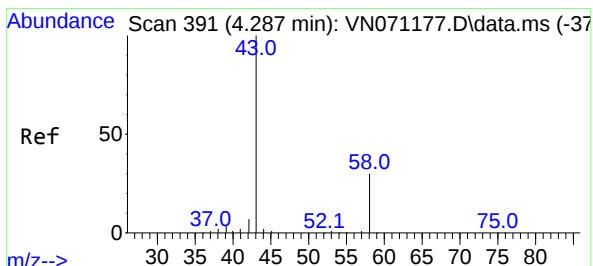
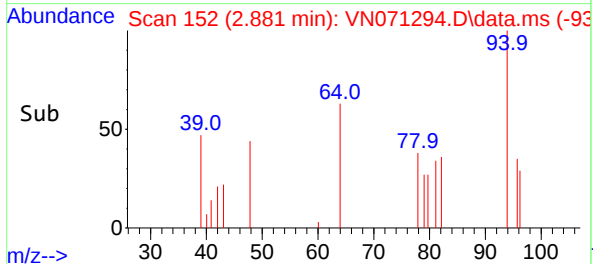
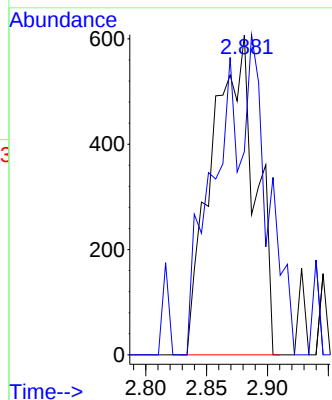
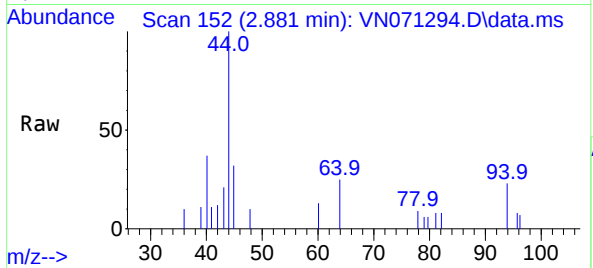




#5
Bromomethane
Concen: Below Cal
RT: 2.881 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

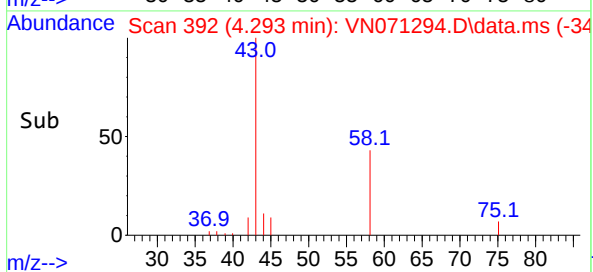
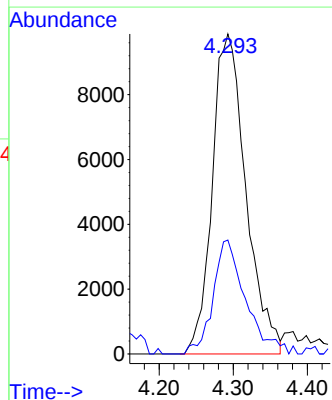
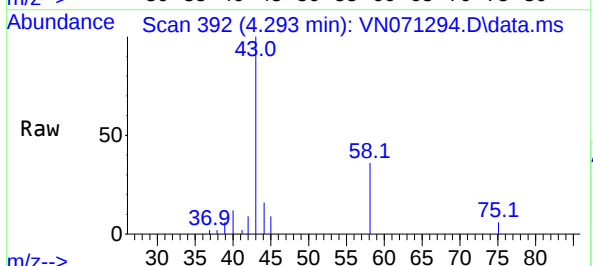
Instrument :
MSVOA_N
ClientSampleId :
PB143286TB

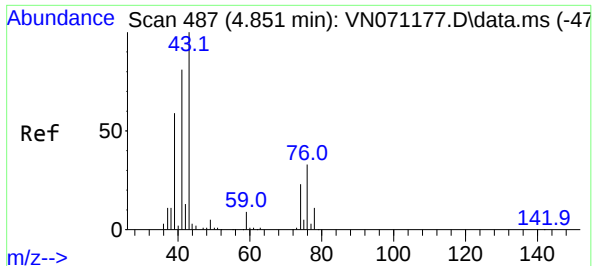
Tgt Ion: 94 Resp: 1512
Ion Ratio Lower Upper
94 100
96 63.6 73.8 110.8#



#16
Acetone
Concen: 5.633 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 43 Resp: 31157
Ion Ratio Lower Upper
43 100
58 35.6 23.1 34.7#

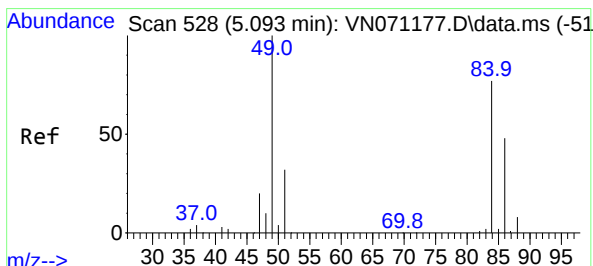
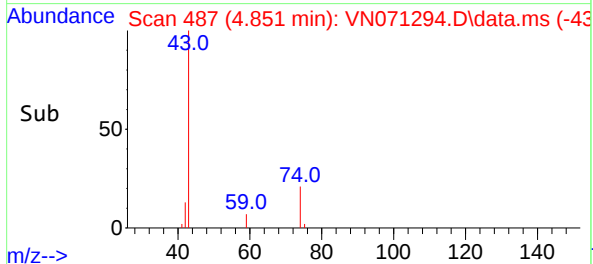
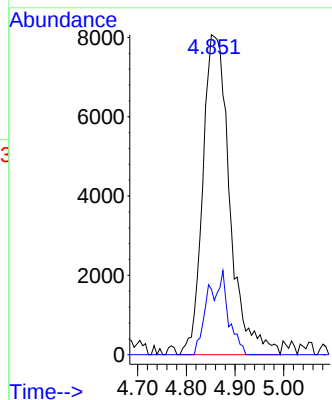
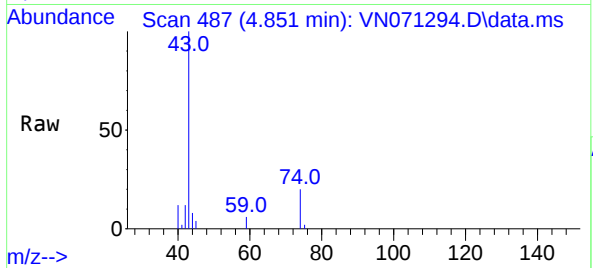




#18
Methyl Acetate
Concen: 2.538 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

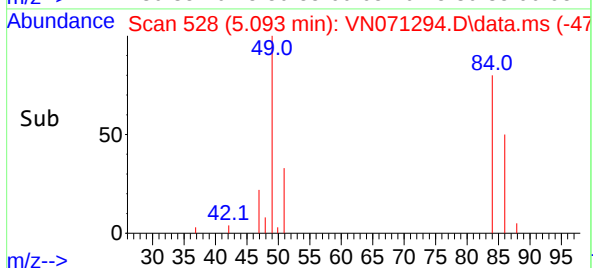
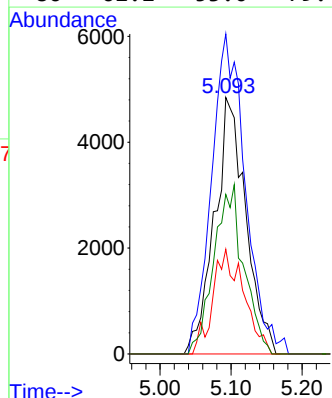
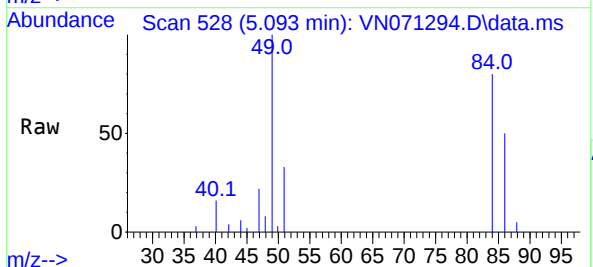
Instrument :
MSVOA_N
ClientSampleId :
PB143286TB

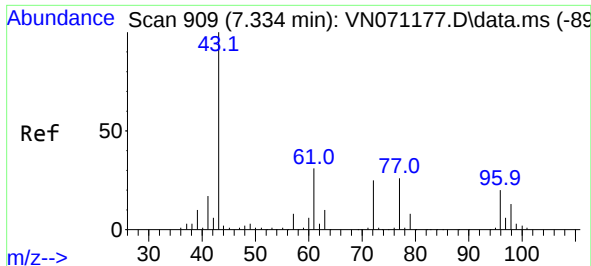
Tgt Ion: 43 Resp: 31005
Ion Ratio Lower Upper
43 100
74 8.6 19.4 29.2#



#20
Methylene Chloride
Concen: 1.835 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 84 Resp: 14803
Ion Ratio Lower Upper
84 100
49 124.8 93.5 140.3
51 40.8 29.4 44.2
86 62.2 53.0 79.4

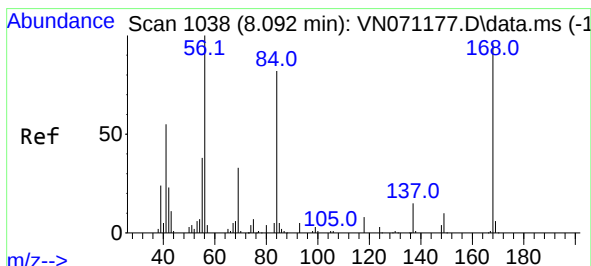
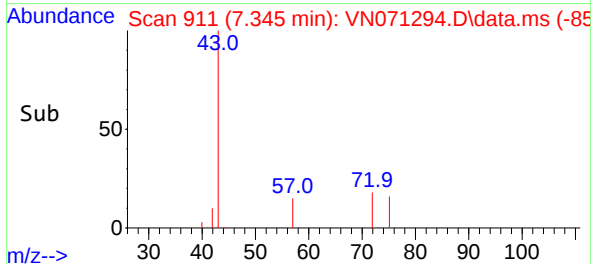
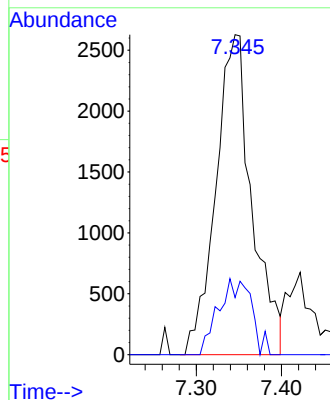
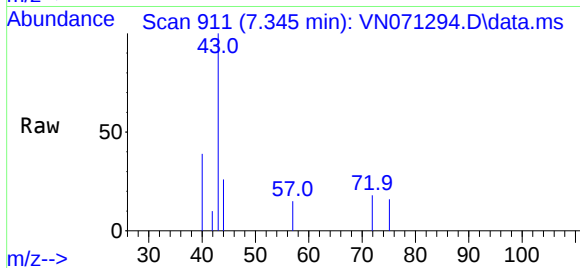




#25
2-Butanone
Concen: 0.868 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

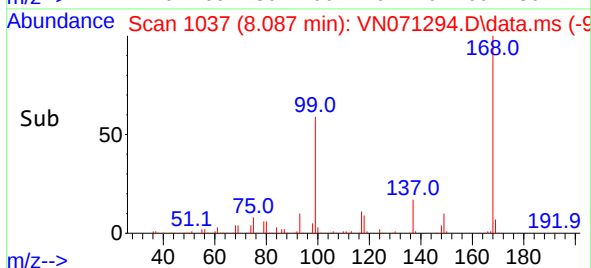
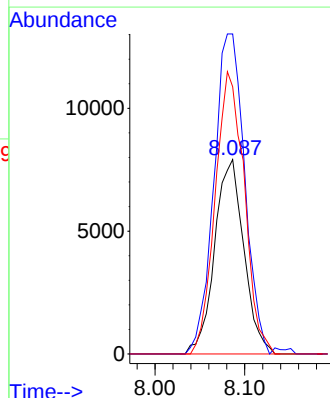
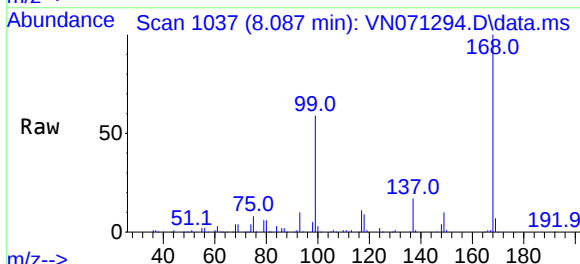
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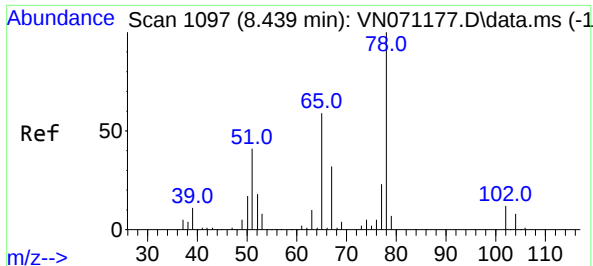
Tgt Ion: 43 Resp: 7730
Ion Ratio Lower Upper
43 100
72 17.8 21.7 32.5#



#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 56 Resp: 17904
Ion Ratio Lower Upper
56 100
69 164.6 27.1 40.7#
84 137.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.794 ug/l

RT: 8.434 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071294.D

Acq: 15 Mar 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

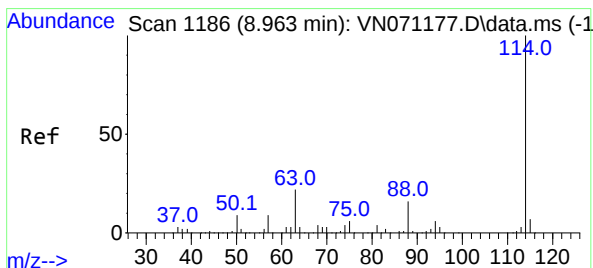
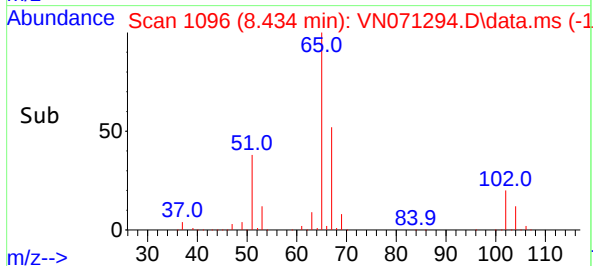
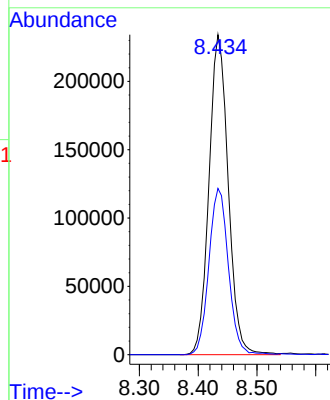
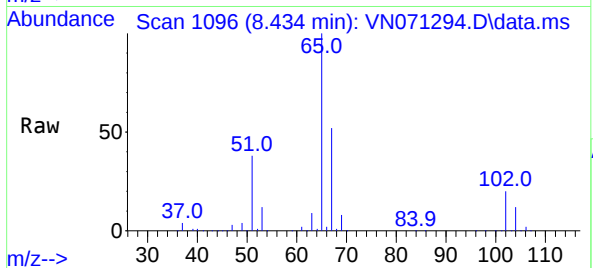
PB143286TB

Tgt Ion: 65 Resp: 531947

Ion Ratio Lower Upper

65 100

67 52.7 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: VN071294.D

Acq: 15 Mar 2022 16:04

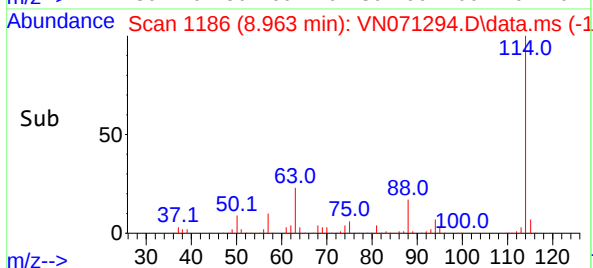
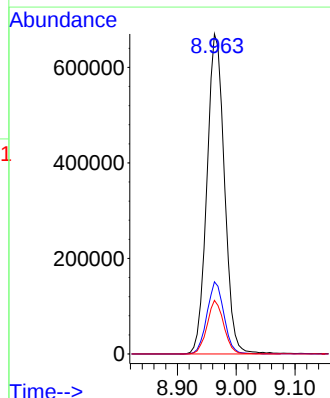
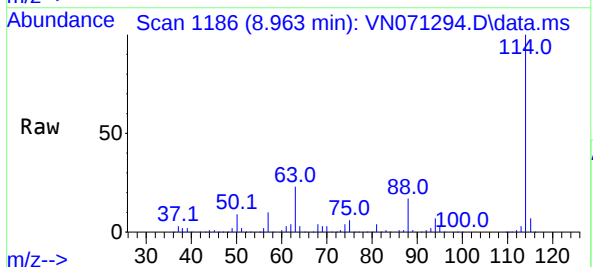
Tgt Ion: 114 Resp: 1385410

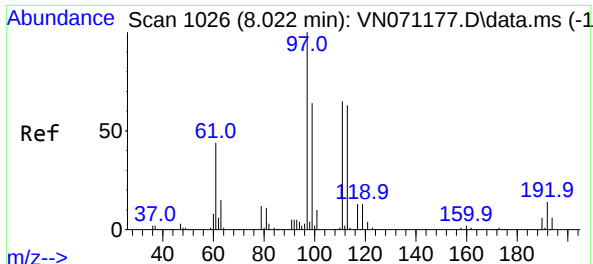
Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.8

88 16.7 0.0 27.4

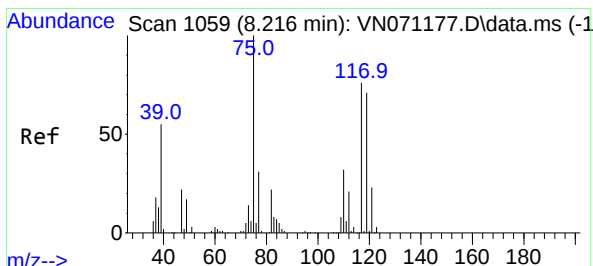
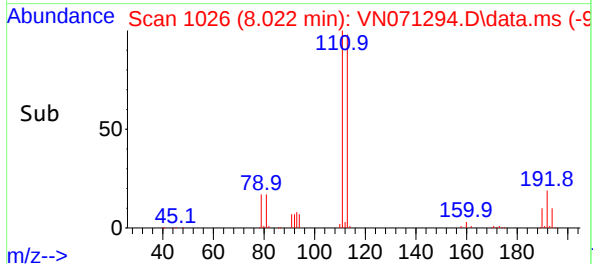
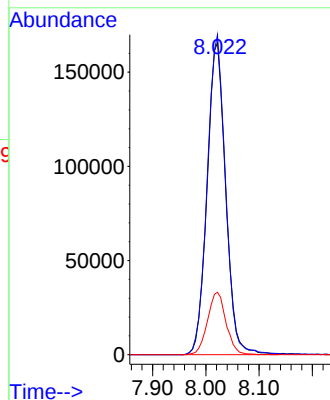
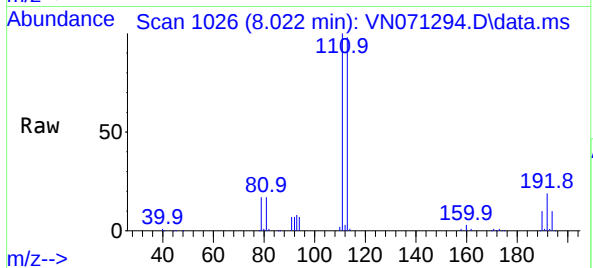




#35
Dibromofluoromethane
Concen: 45.942 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

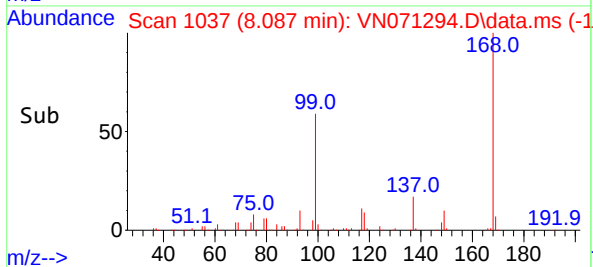
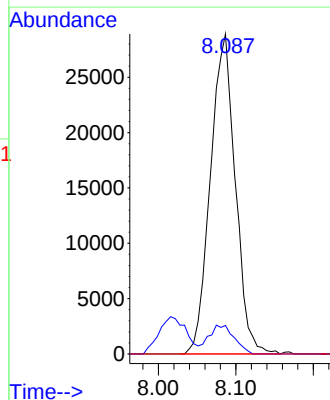
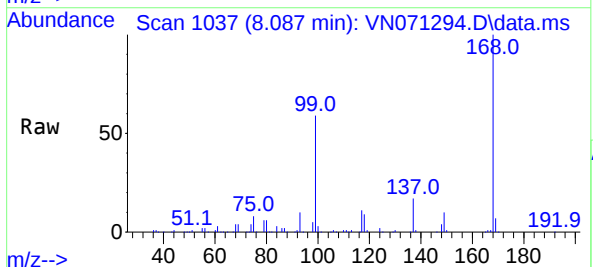
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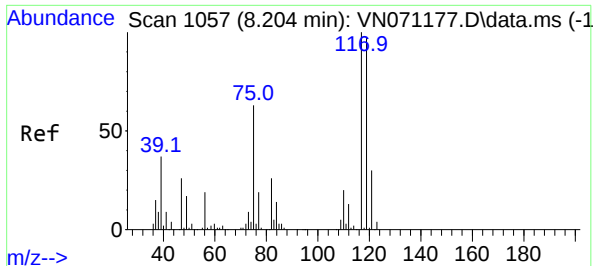
Tgt Ion:113 Resp: 401642
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.605 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 75 Resp: 64499
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#

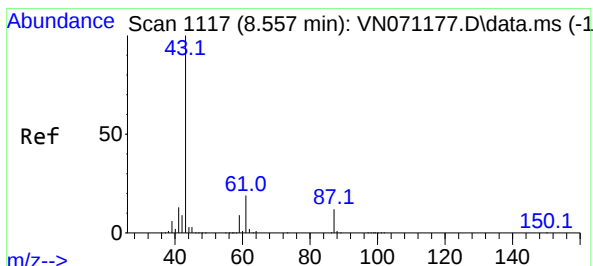
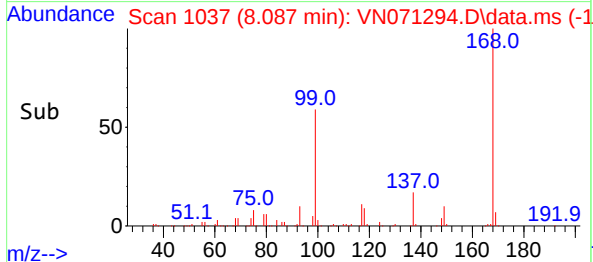
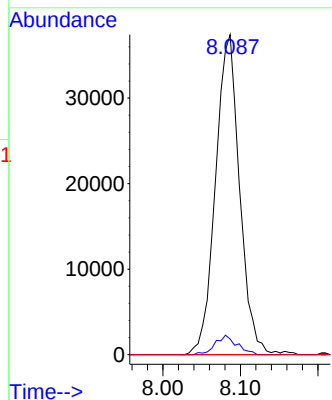
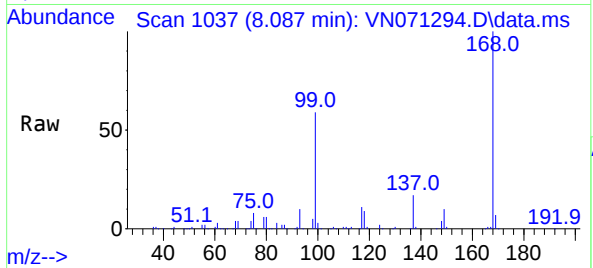




#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 8.087 min Scan# 1117
Delta R.T. -0.118 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

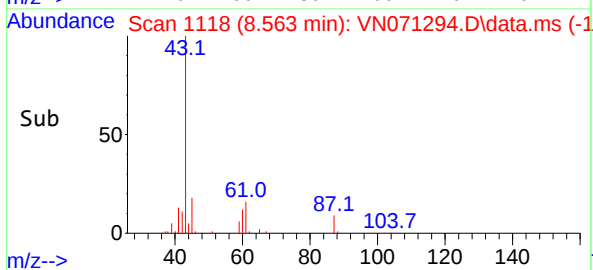
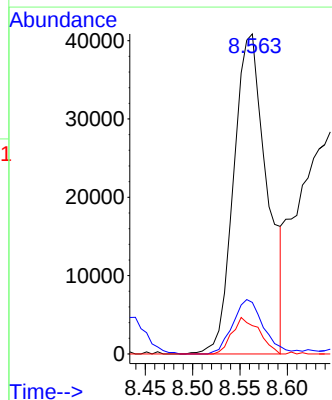
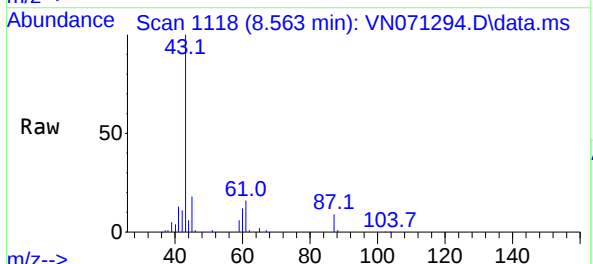
Instrument :
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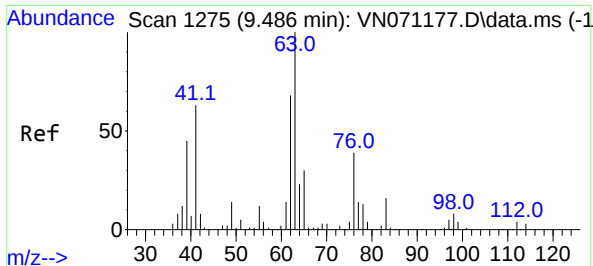
Tgt Ion:117 Resp: 80816
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.465 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 43 Resp: 99900
Ion Ratio Lower Upper
43 100
61 15.6 20.4 30.6#
87 9.3 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.480 ug/l

RT: 9.616 min Scan# 11

Delta R.T. 0.130 min

Lab File: VN071294.D

Acq: 15 Mar 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

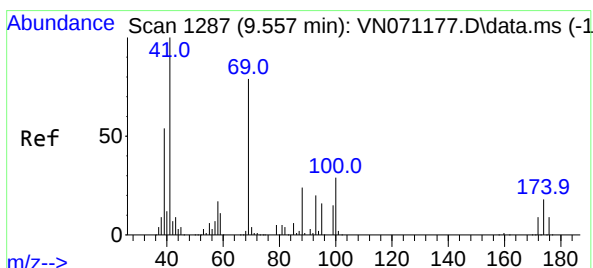
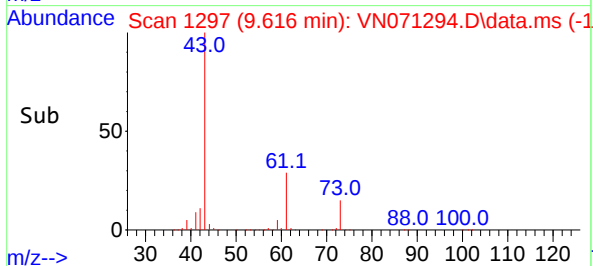
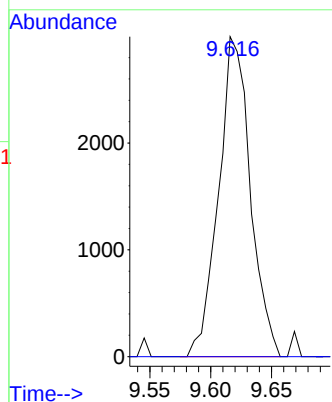
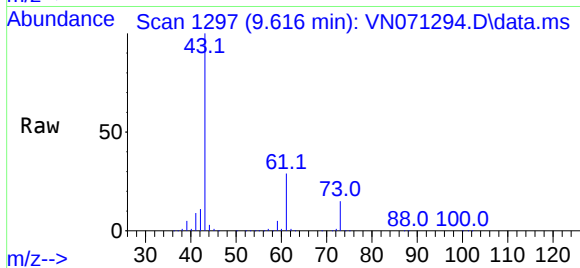
PB143286TB

Tgt Ion: 63 Resp: 5438

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.648 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071294.D

Acq: 15 Mar 2022 16:04

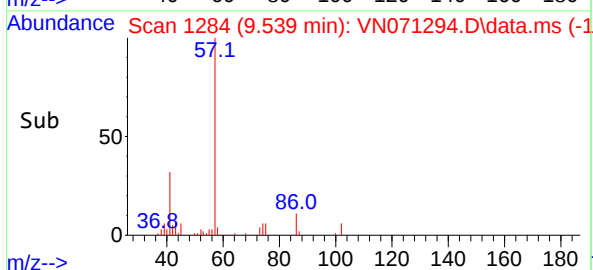
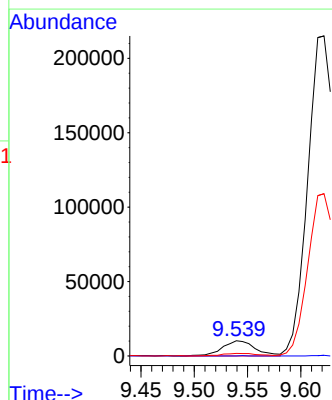
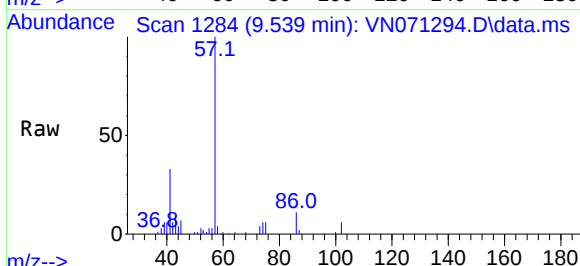
Tgt Ion: 41 Resp: 22020

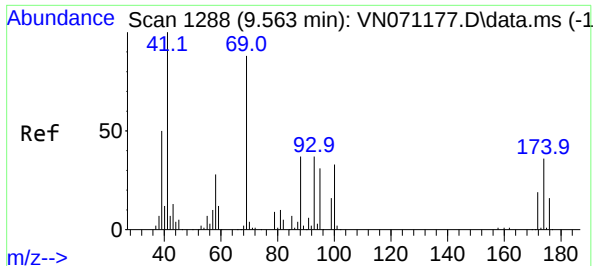
Ion Ratio Lower Upper

41 100

69 0.3 72.4 108.6#

39 0.0 58.4 87.6#

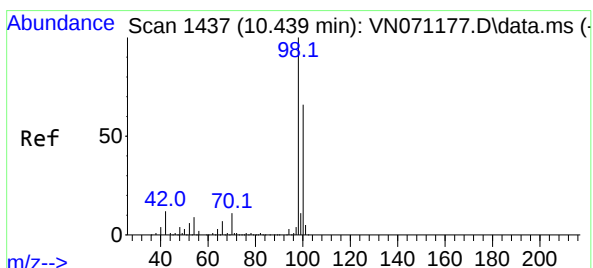
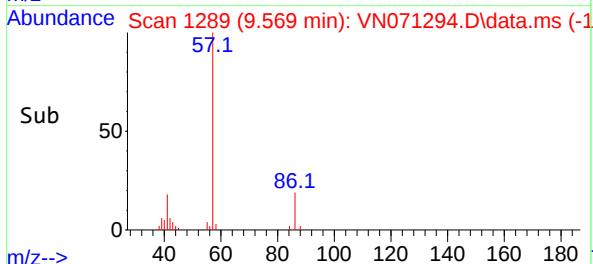
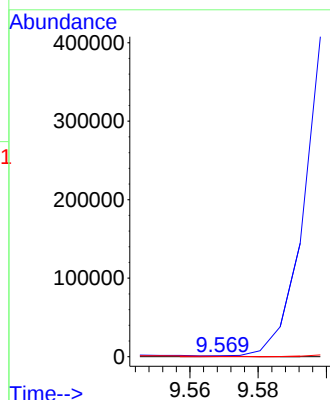
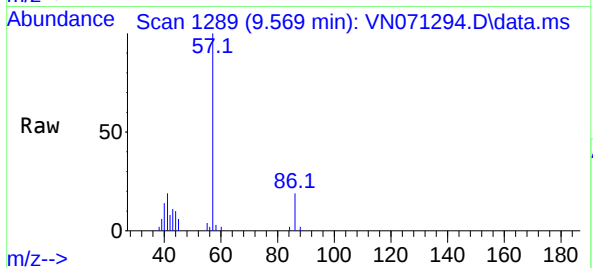




#49
1,4-Dioxane
Concen: 0.543 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

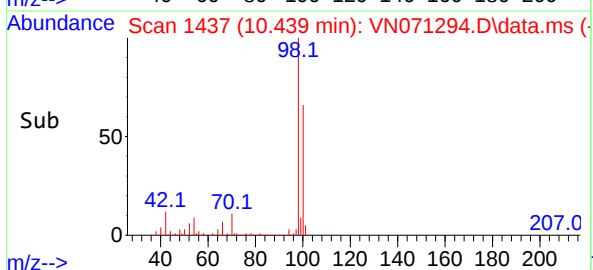
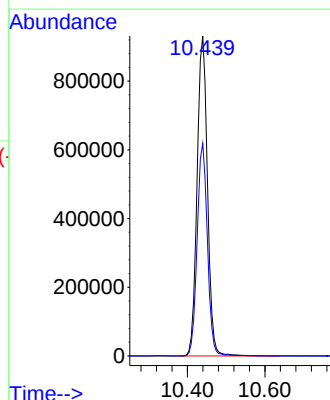
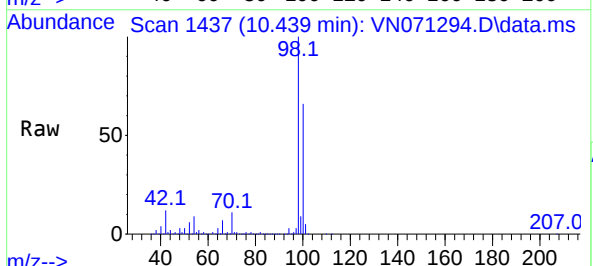
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MSVOA_N
ClientSampleId :
PB143286TB

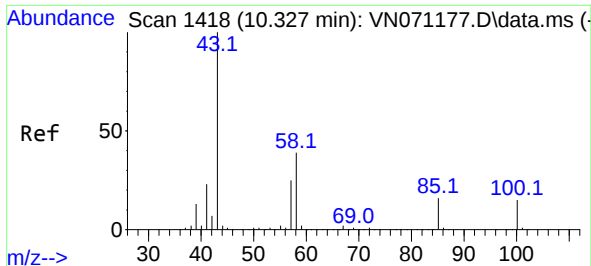
Tgt Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 2341.3 50.6 75.8#



#50
Toluene-d8
Concen: 49.168 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 98 Resp: 1730696
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.744 ug/l

RT: 10.322 min Scan# 1418

Delta R.T. -0.005 min

Lab File: VN071294.D

Acq: 15 Mar 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

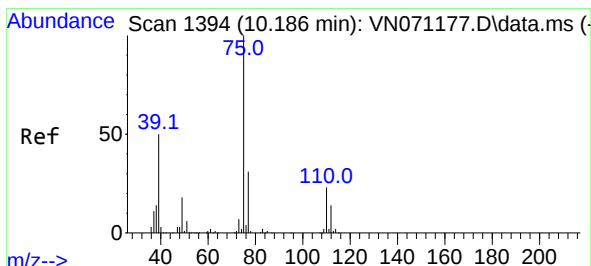
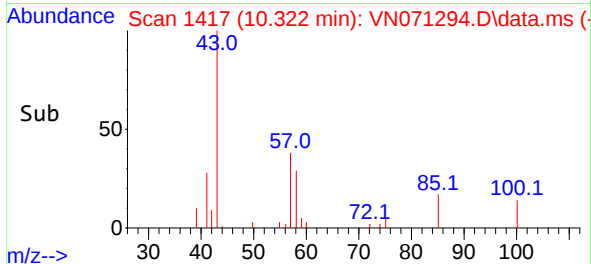
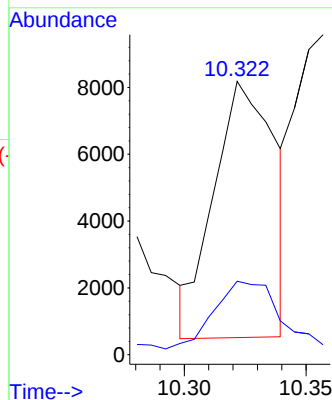
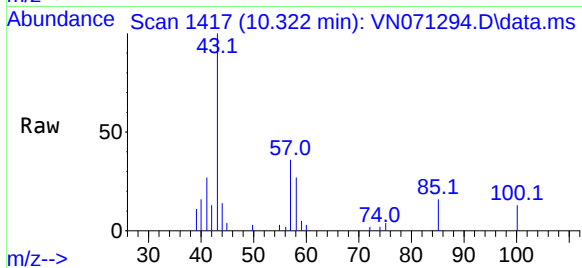
PB143286TB

Tgt Ion: 43 Resp: 13309

Ion Ratio Lower Upper

43 100

58 35.0 30.4 45.6



#54

cis-1,3-Dichloropropene

Concen: 6.594 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071294.D

Acq: 15 Mar 2022 16:04

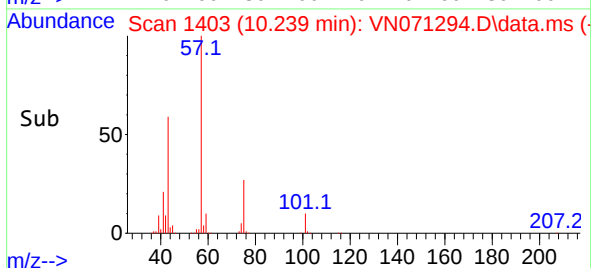
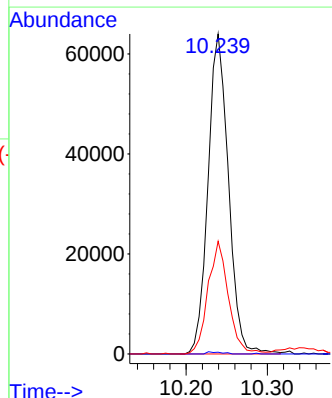
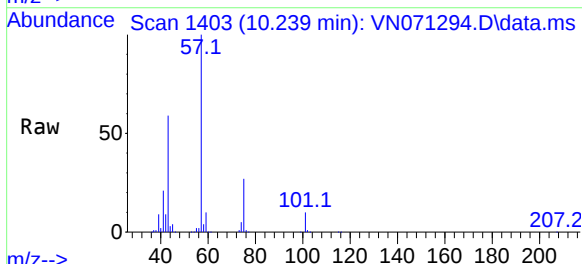
Tgt Ion: 75 Resp: 111921

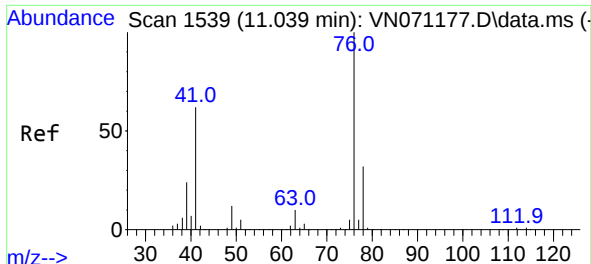
Ion Ratio Lower Upper

75 100

77 0.6 26.4 39.6#

39 35.2 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 3.686 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071294.D

Acq: 15 Mar 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

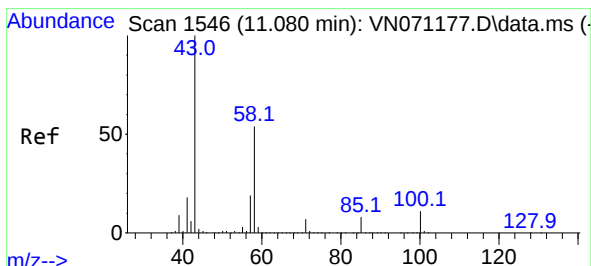
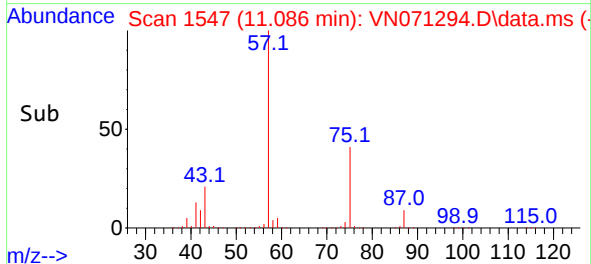
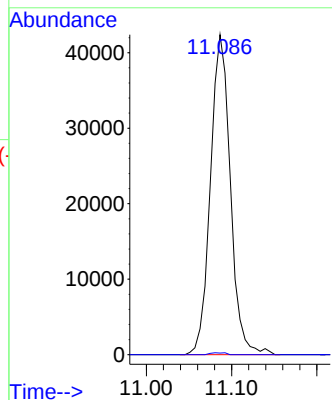
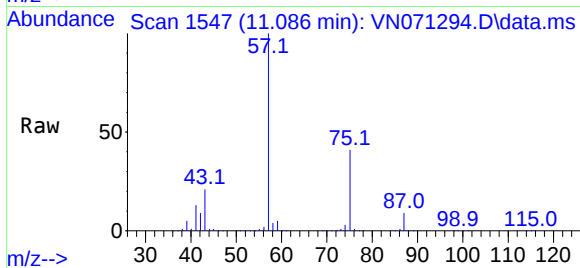
PB143286TB

Tgt Ion: 76 Resp: 68889

Ion Ratio Lower Upper

76 100

78 0.5 25.7 38.5#



#59

2-Hexanone

Concen: 89.477 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071294.D

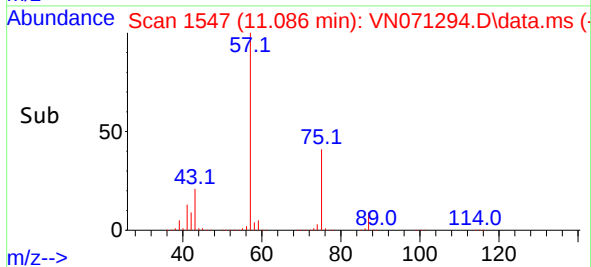
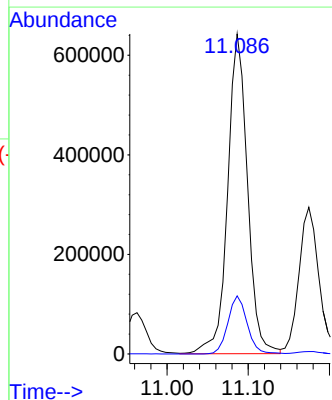
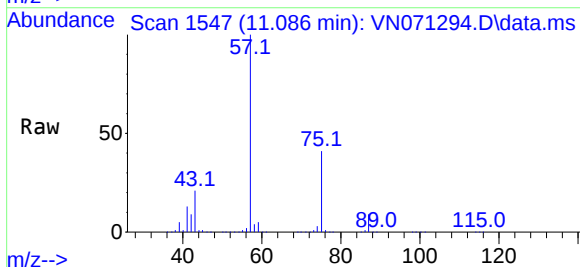
Acq: 15 Mar 2022 16:04

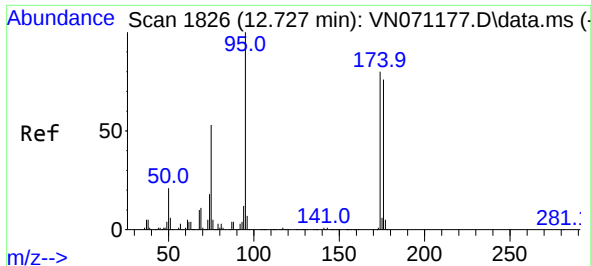
Tgt Ion: 43 Resp: 1092235

Ion Ratio Lower Upper

43 100

58 17.6 26.9 80.7#

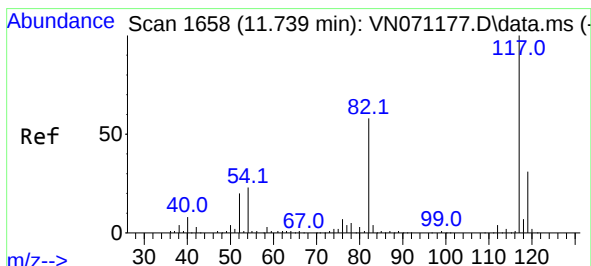
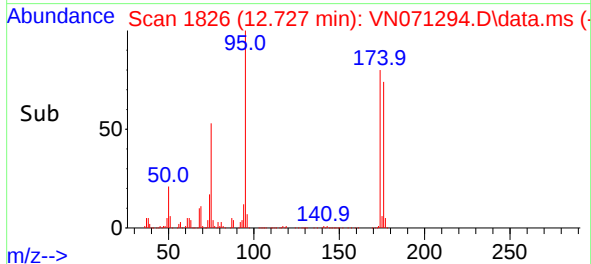
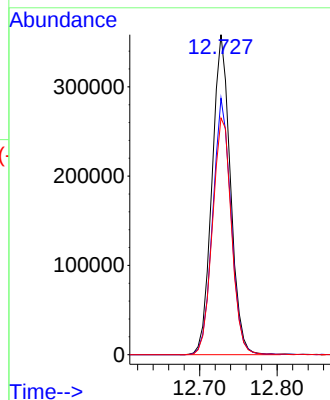
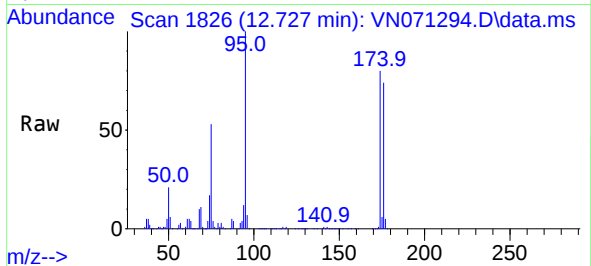




#62
4-Bromofluorobenzene
Concen: 49.575 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

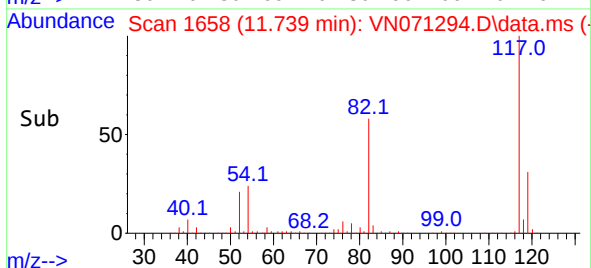
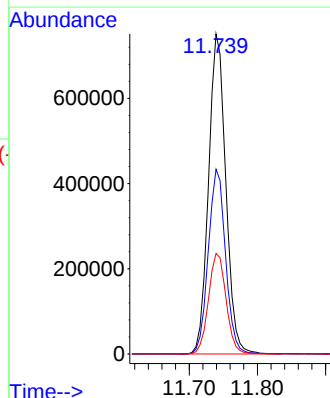
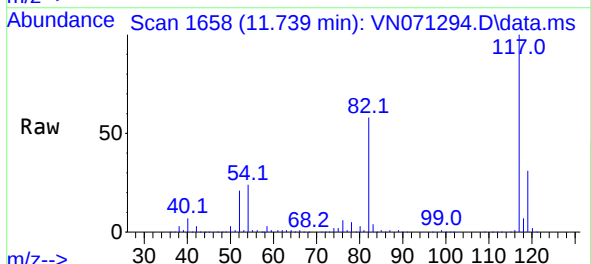
Instrument :
MSVOA_N
ClientSampleId :
PB143286TB

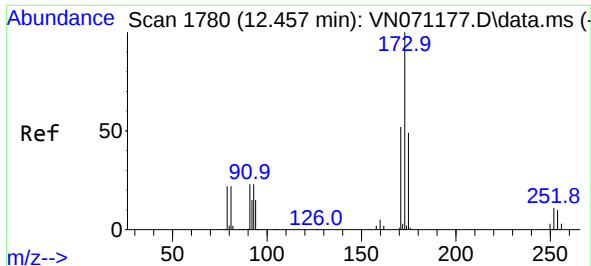
Tgt Ion: 95 Resp: 590902
Ion Ratio Lower Upper
95 100
174 79.6 0.0 187.2
176 76.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 117 Resp: 1324369
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 31.4 25.4 38.2

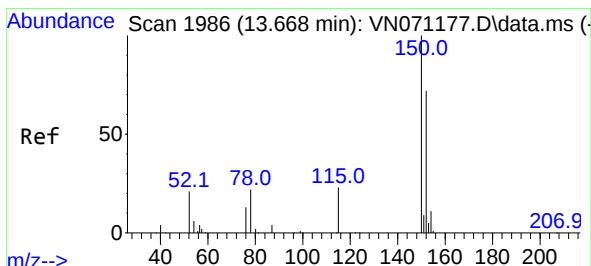
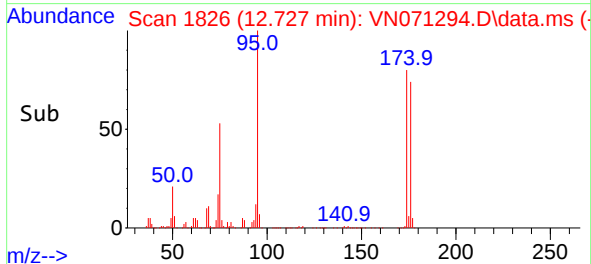
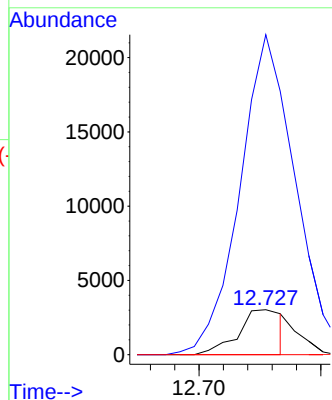
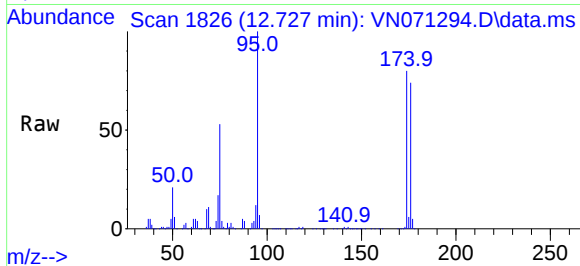




#71
Bromoform
Concen: 0.485 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

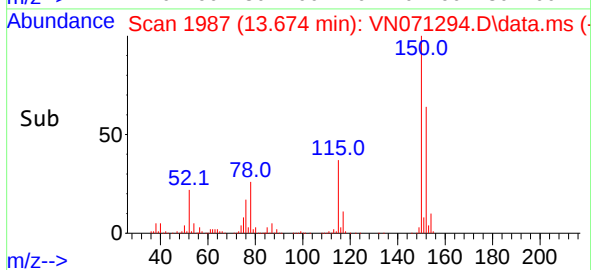
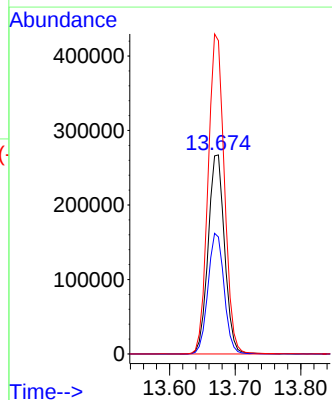
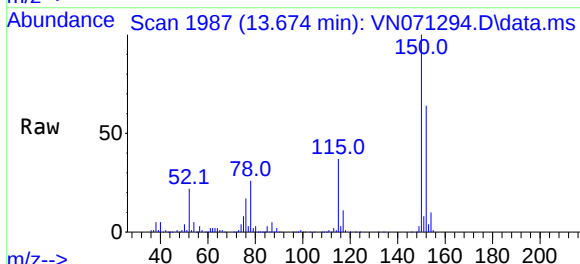
Instrument :
MSVOA_N
ClientSampleId :
PB143286TB

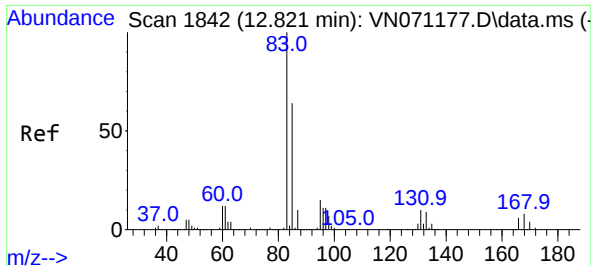
Tgt Ion:173 Resp: 3841
Ion Ratio Lower Upper
173 100
175 676.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion:152 Resp: 466611
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.5
150 159.5 0.0 344.4

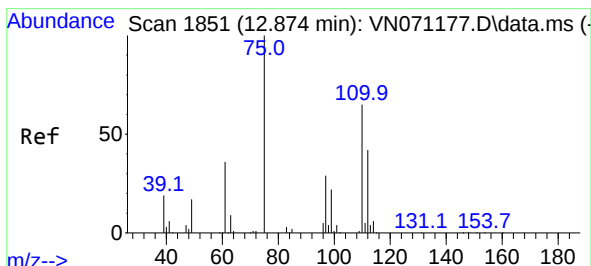
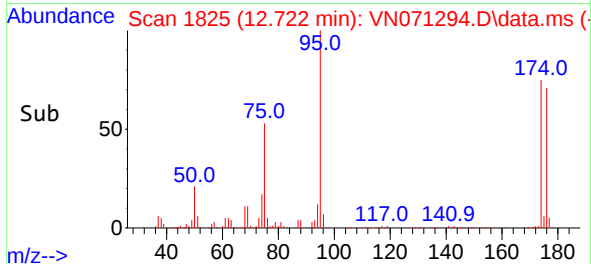
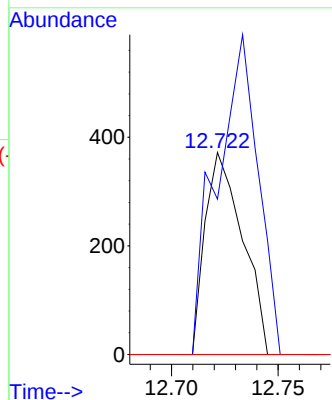
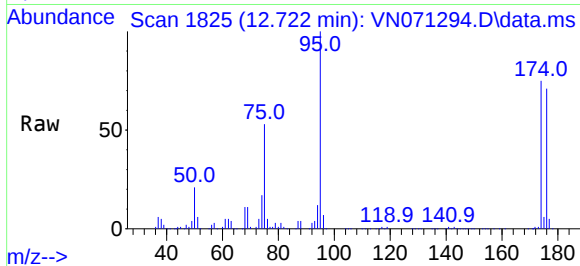




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.722 min Scan# 1825
Delta R.T. -0.099 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

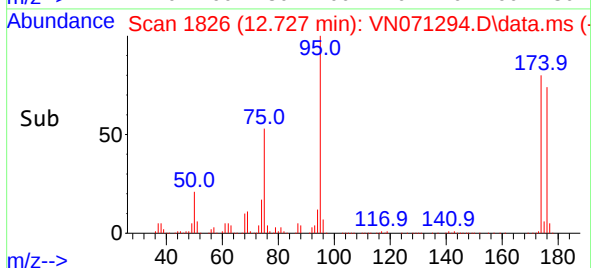
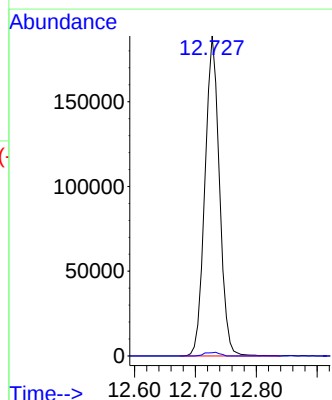
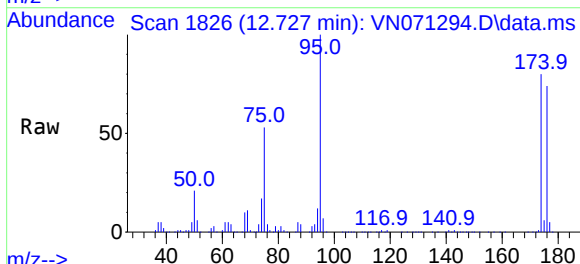
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MSVOA_N
ClientSampleId :
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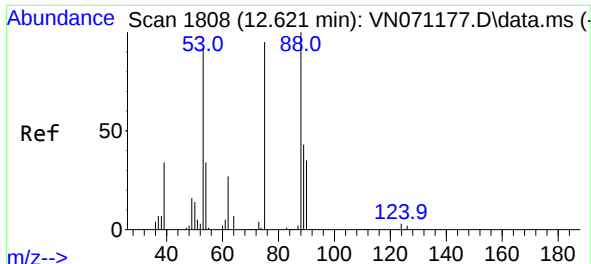
Tgt Ion: 83 Resp: 455
Ion Ratio Lower Upper
83 100
131 173.8 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.300 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

Tgt Ion: 75 Resp: 312561
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

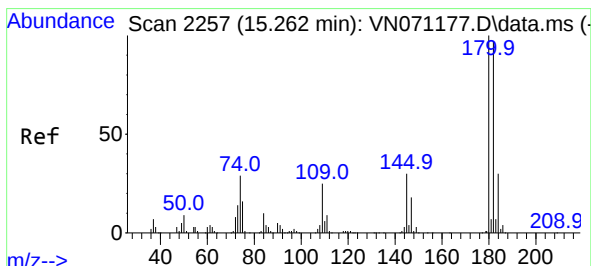
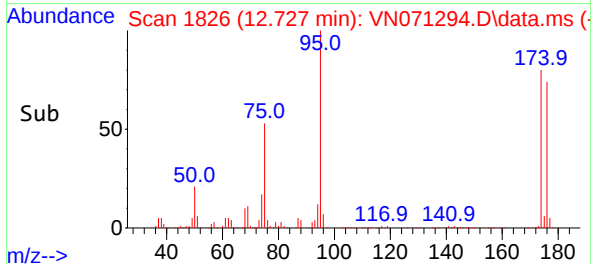
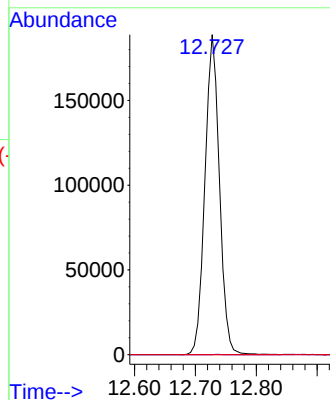
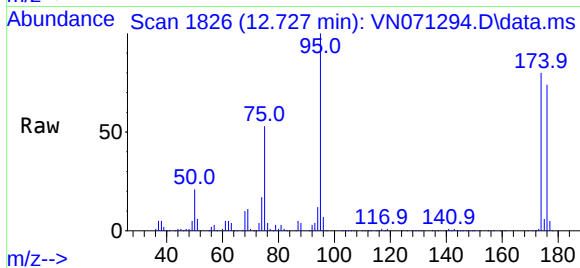




#81
trans-1,4-Dichloro-2-butene
Concen: 72.411 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

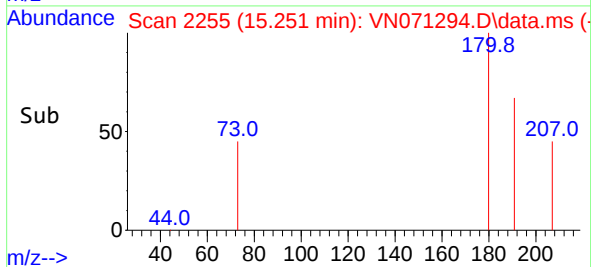
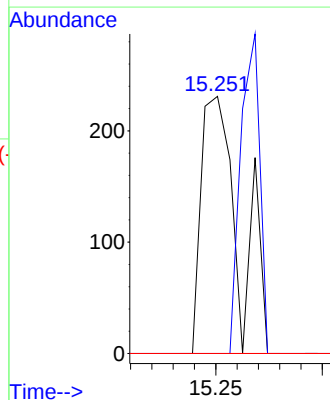
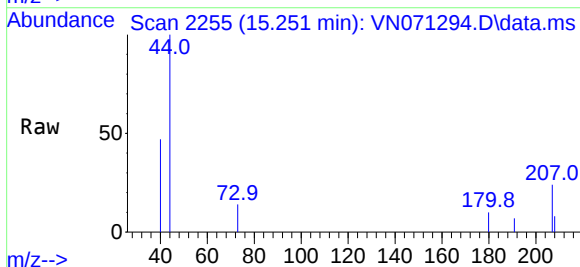
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ClientSampleId :
PB143286TB

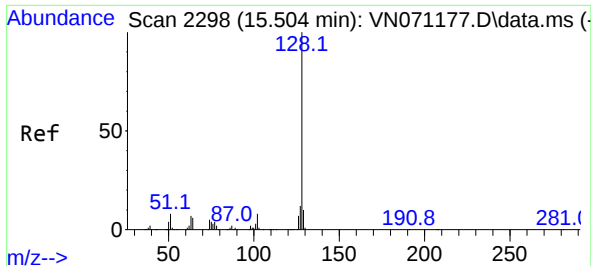
Tgt Ion: 75 Resp: 312561
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.024 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.011 min
Lab File: VN071294.D
Acq: 15 Mar 2022 16:04

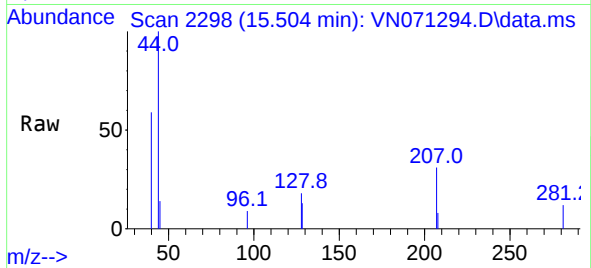
Tgt Ion:180 Resp: 283
Ion Ratio Lower Upper
180 100
182 63.3 48.3 144.9
145 0.0 14.5 43.5#





#95
 Naphthalene
 Concen: 5.105 ug/l
 RT: 15.504 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071294.D
 Acq: 15 Mar 2022 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286TB



Tgt Ion:	128	Resp:	896
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

