

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072016.D
 Acq On : 15 Apr 2022 21:15
 Operator : JC\MD
 Sample : PB144101ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#04

Quant Time: Apr 16 00:08:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

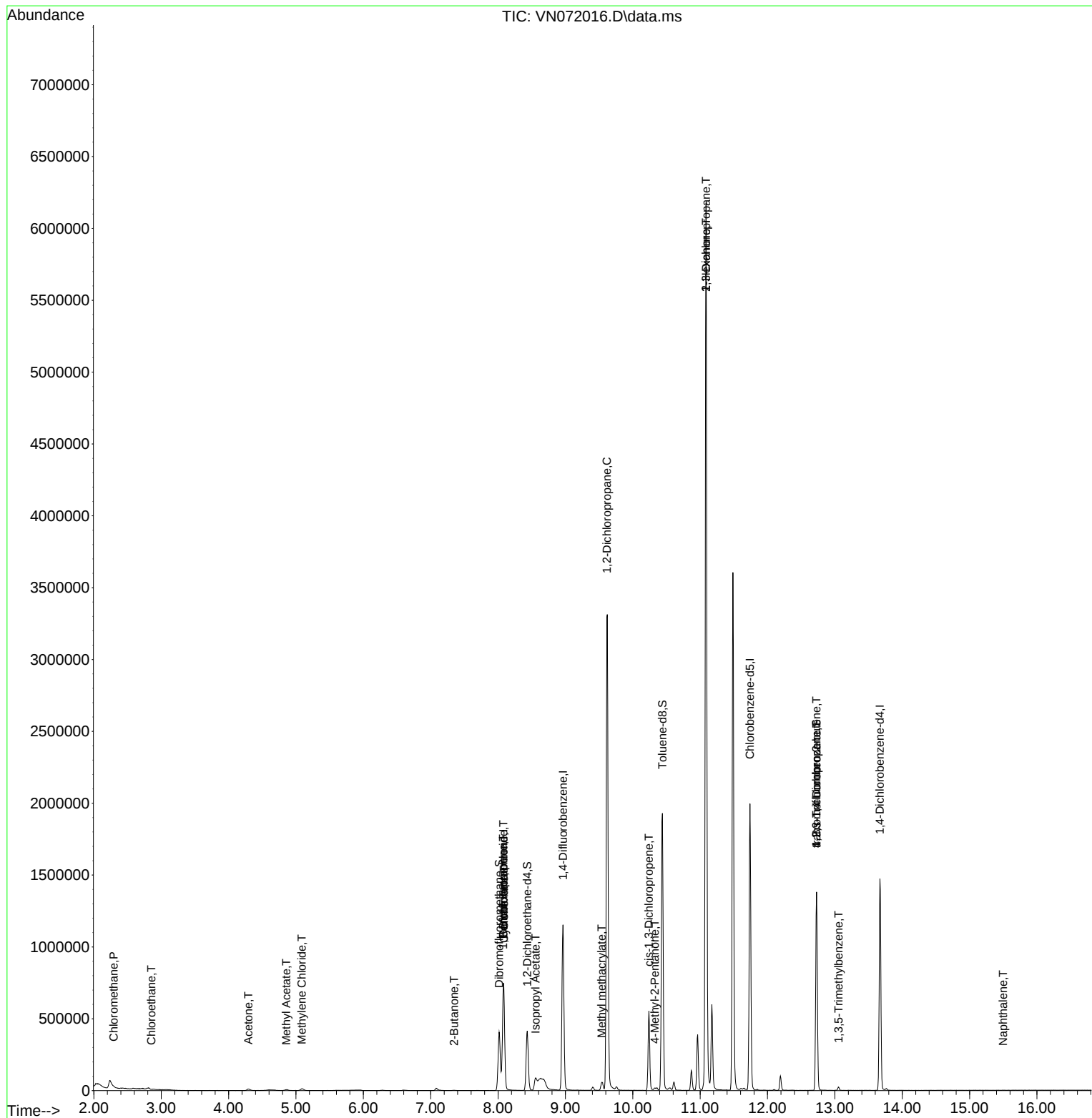
Internal Standards						
1) Pentafluorobenzene	8.080	168	628604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1079970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1214223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	442178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	335840	46.799	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.600%
35) Dibromofluoromethane	8.016	113	301726	47.478	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.960%
50) Toluene-d8	10.439	98	1414766	54.421	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.840%
62) 4-Bromofluorobenzene	12.727	95	495507	58.934	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	117.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	1916	0.303	ug/l #	70
6) Chloroethane	2.851	64	2857	0.571	ug/l #	67
16) Acetone	4.292	43	17892	5.834	ug/l	97
18) Methyl Acetate	4.857	43	14878	0.459	ug/l #	79
20) Methylene Chloride	5.087	84	11159	1.726	ug/l	94
25) 2-Butanone	7.345	43	4155	0.940	ug/l	100
31) Cyclohexane	8.086	56	9526	0.976	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	40957	4.615	ug/l #	48
38) Carbon Tetrachloride	8.080	117	55812	6.417	ug/l #	17
43) Isopropyl Acetate	8.557	43	101296	6.270	ug/l #	78
45) 1,2-Dichloropropane	9.616	63	5163	0.737	ug/l #	44
48) Methyl methacrylate	9.539	41	14451	2.156	ug/l #	10
49) 1,4-Dioxane	9.622	88	525	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	12200	1.313	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	112070	10.339	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	72094	5.912	ug/l #	42
59) 2-Hexanone	11.086	43	830266	126.952	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	235576	22.998	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	11035	0.374	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	235576	71.270	ug/l #	11
95) Naphthalene	15.498	128	730	3.836	ug/l #	69

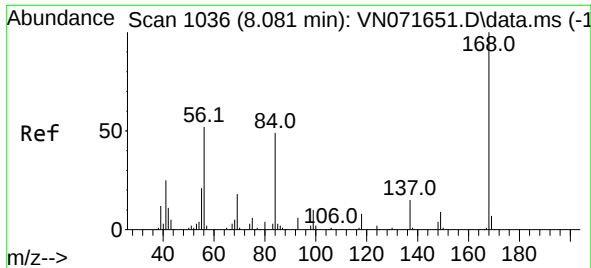
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN072016.D
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Instrument :
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Quant Time: Apr 16 00:08:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

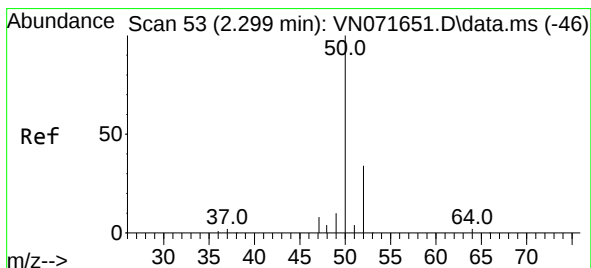
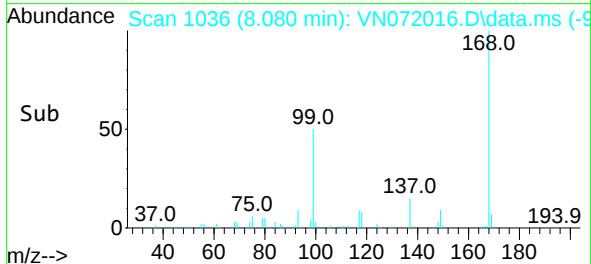
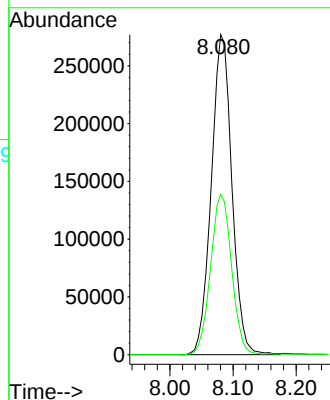
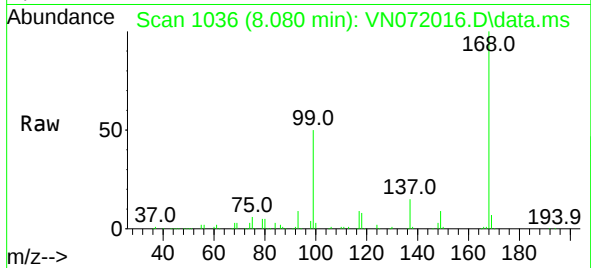




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

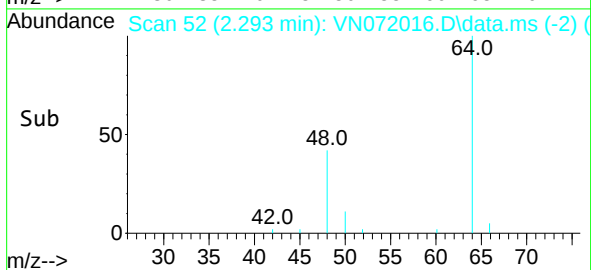
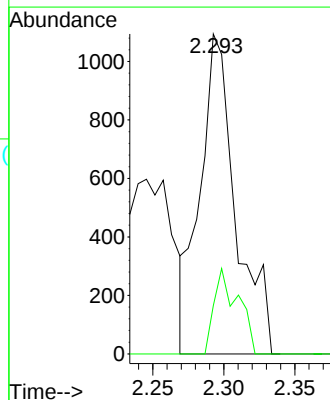
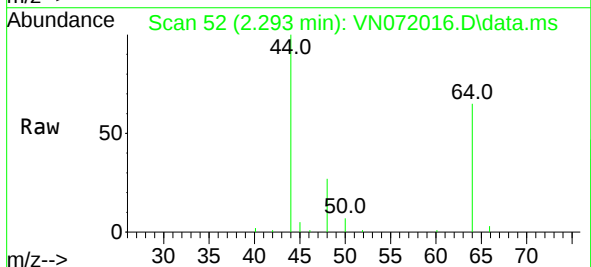
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#04

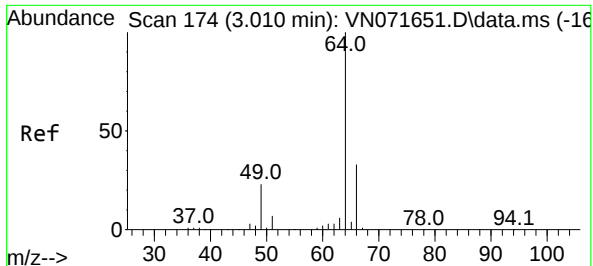
Tgt Ion:168 Resp: 628604
Ion Ratio Lower Upper
168 100
99 50.2 42.3 63.5



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

Tgt Ion: 50 Resp: 1916
Ion Ratio Lower Upper
50 100
52 15.1 25.7 38.5#

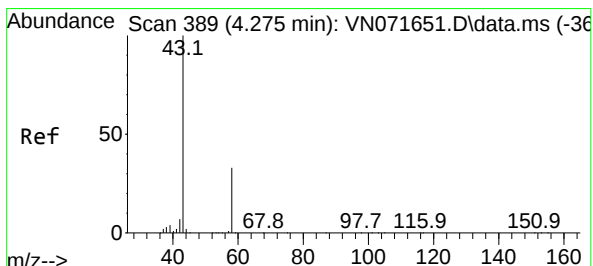
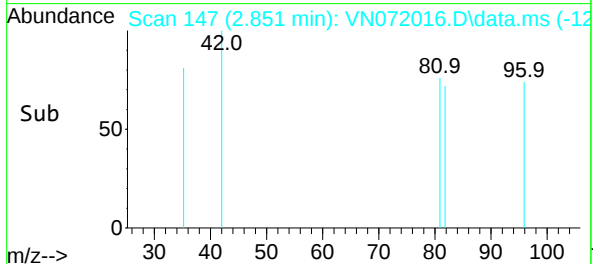
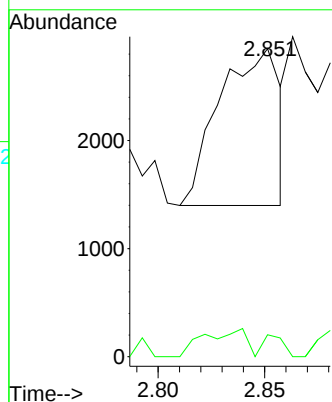
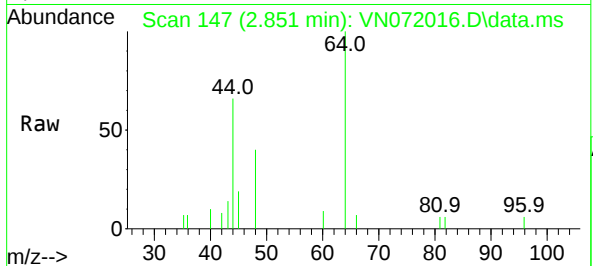




#6
Chloroethane
Concen: 0.571 ug/l
RT: 2.851 min Scan# 14
Delta R.T. -0.159 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

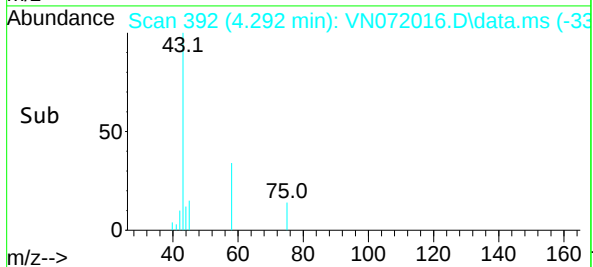
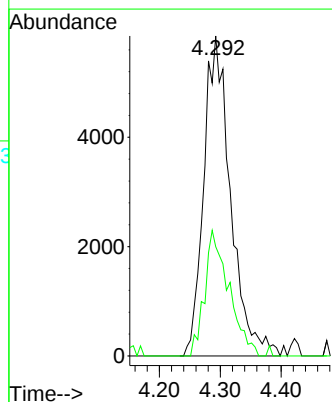
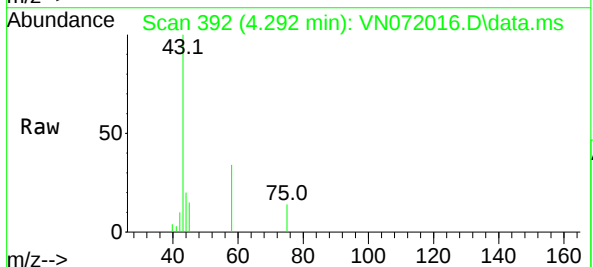
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#04

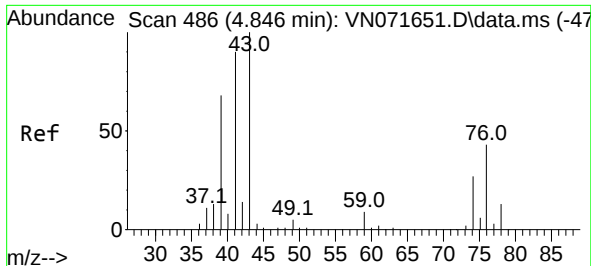
Tgt Ion: 64 Resp: 2857
Ion Ratio Lower Upper
64 100
66 14.0 26.2 39.4#



#16
Acetone
Concen: 5.834 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

Tgt Ion: 43 Resp: 17892
Ion Ratio Lower Upper
43 100
58 34.2 26.0 39.0

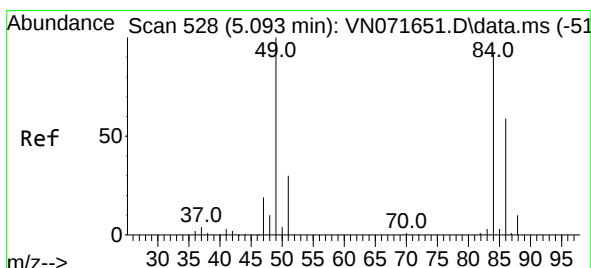
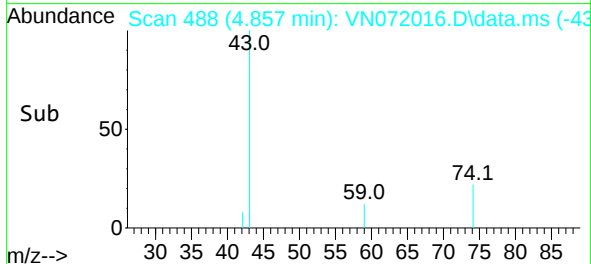
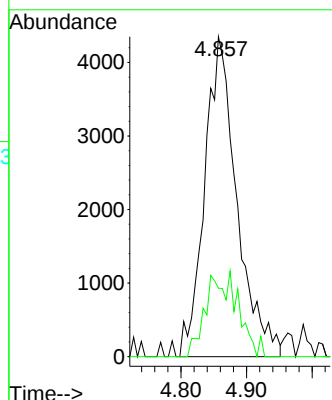
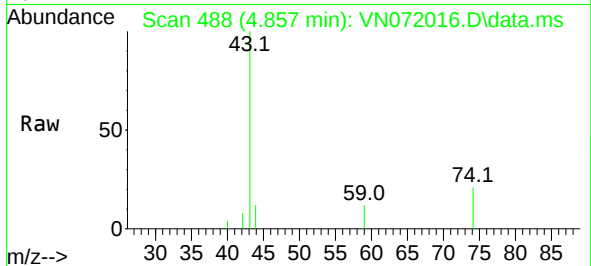




#18
Methyl Acetate
Concen: 0.459 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

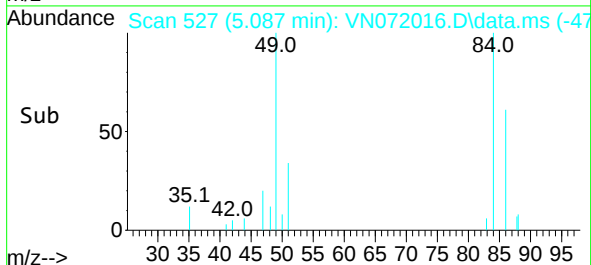
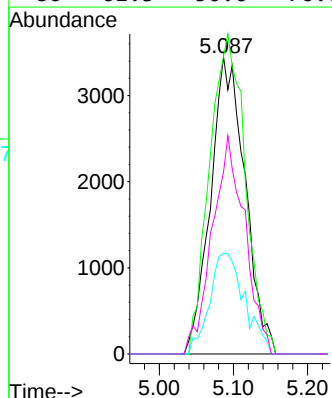
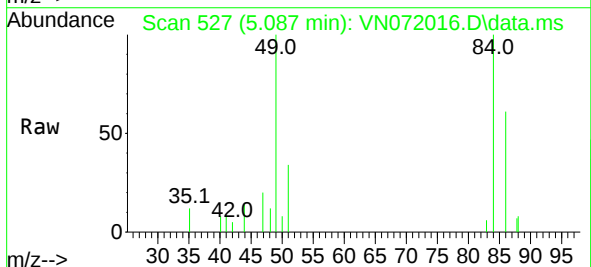
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#04

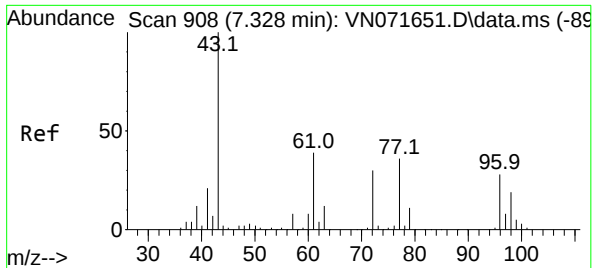
Tgt Ion: 43 Resp: 14878
Ion Ratio Lower Upper
43 100
74 15.9 21.6 32.4#



#20
Methylene Chloride
Concen: 1.726 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

Tgt Ion: 84 Resp: 11159
Ion Ratio Lower Upper
84 100
49 100.1 88.3 132.5
51 34.0 28.2 42.2
86 61.3 50.6 76.0





#25

2-Butanone

Concen: 0.940 ug/l

RT: 7.345 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

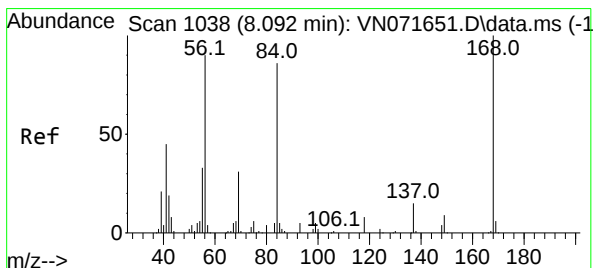
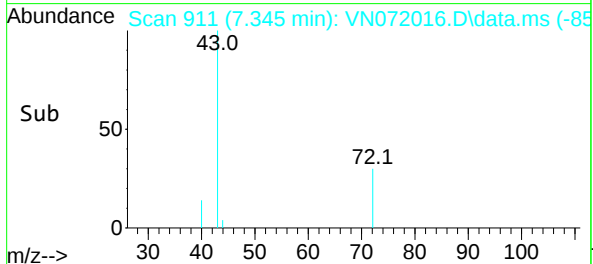
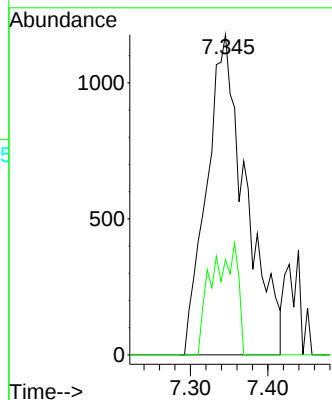
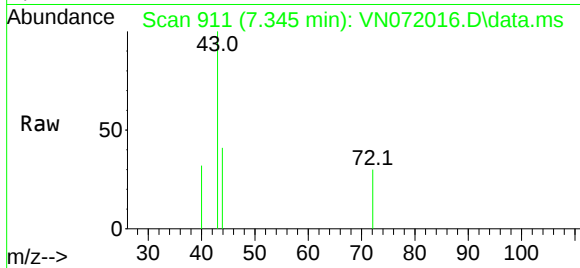
PB144101ZHE#04

Tgt Ion: 43 Resp: 4155

Ion Ratio Lower Upper

43 100

72 29.7 23.7 35.5



#31

Cyclohexane

Concen: 0.976 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

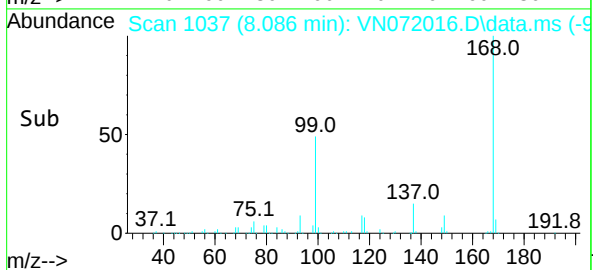
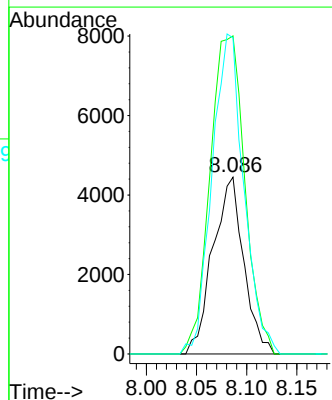
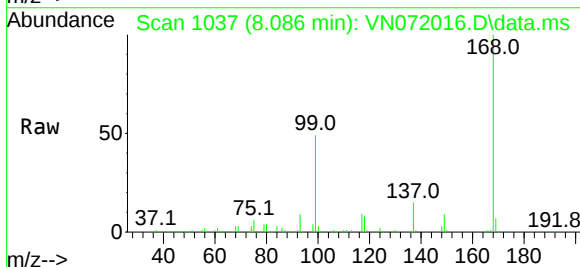
Tgt Ion: 56 Resp: 9526

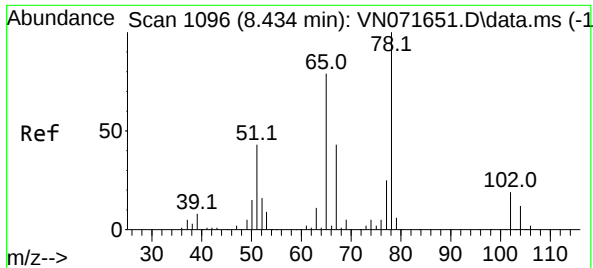
Ion Ratio Lower Upper

56 100

69 180.0 27.8 41.8#

84 178.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.799 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

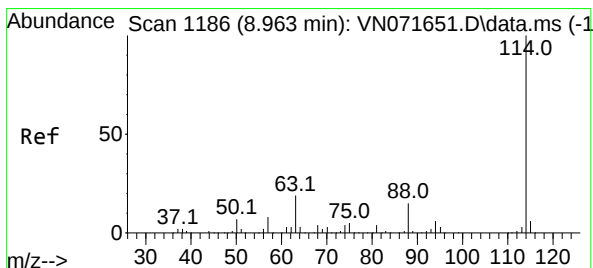
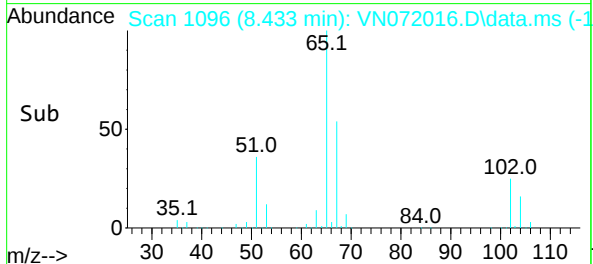
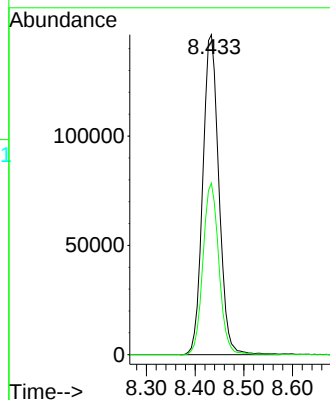
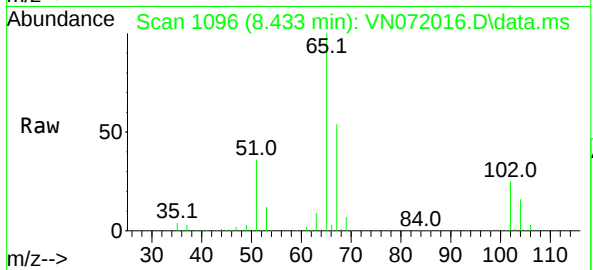
PB144101ZHE#04

Tgt Ion: 65 Resp: 335840

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

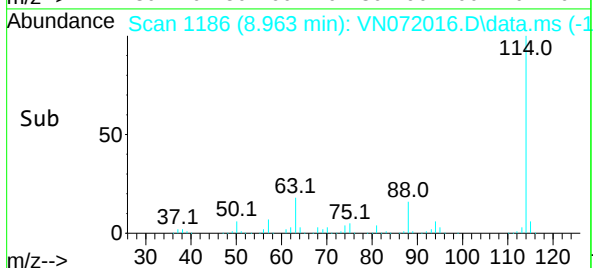
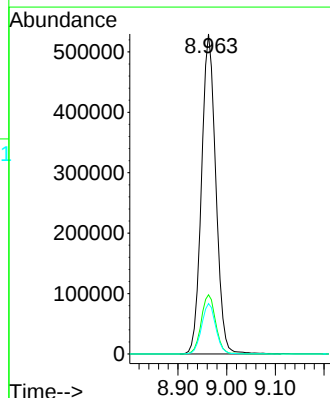
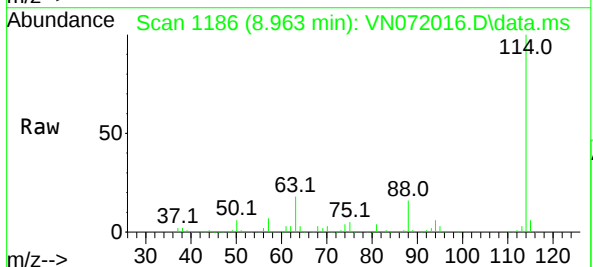
Tgt Ion: 114 Resp: 1079970

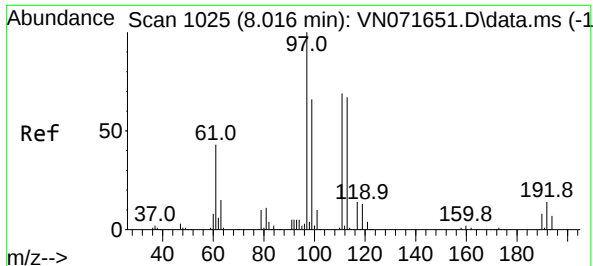
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.478 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#04

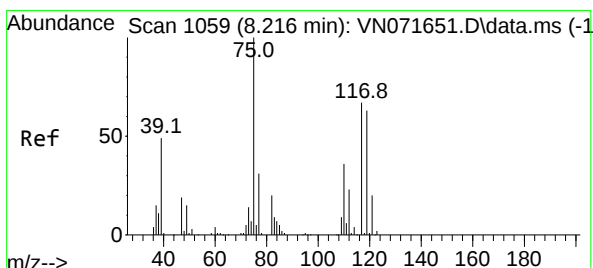
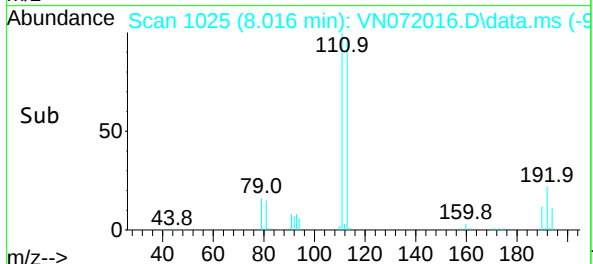
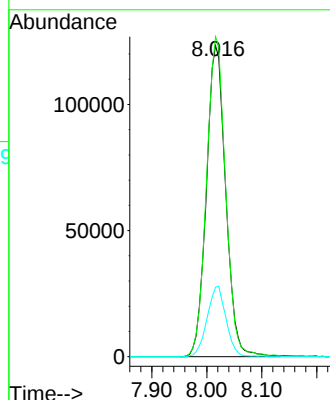
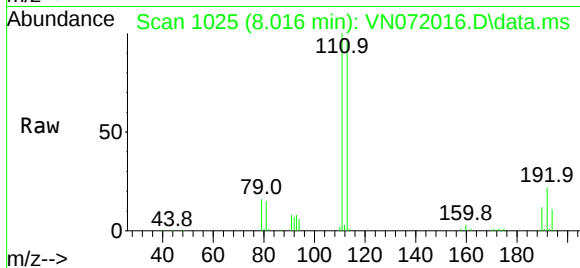
Tgt Ion:113 Resp: 301726

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 22.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

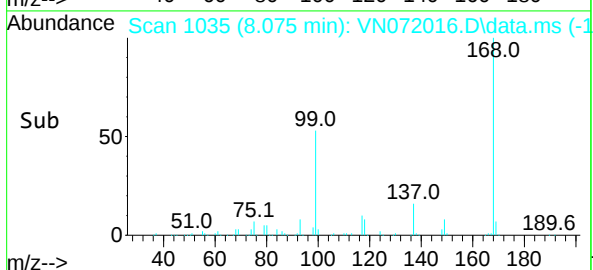
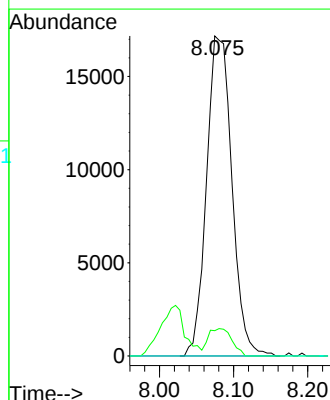
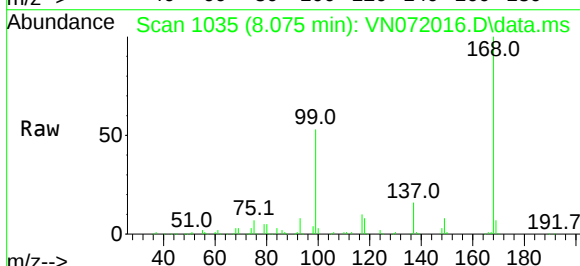
Tgt Ion: 75 Resp: 40957

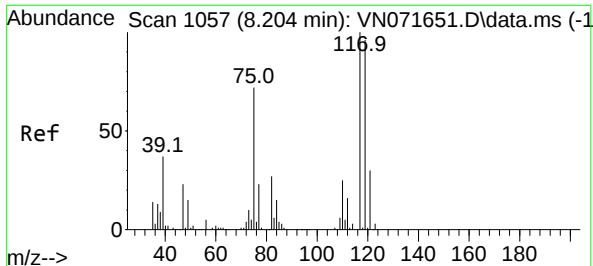
Ion Ratio Lower Upper

75 100

110 7.9 18.3 54.8#

77 0.0 25.1 37.7#

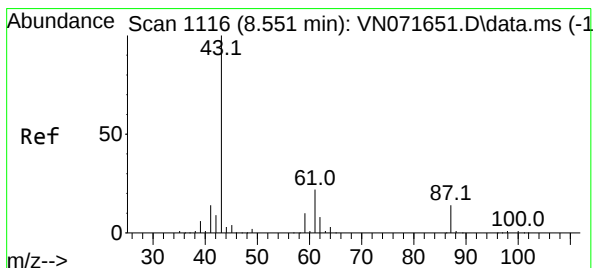
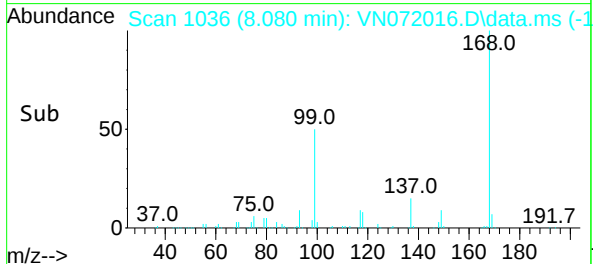
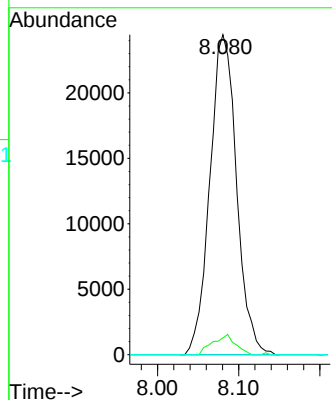
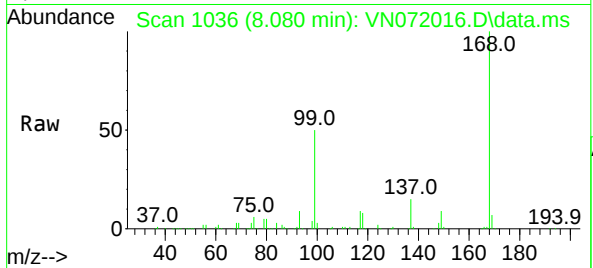




#38
Carbon Tetrachloride
Concen: 6.417 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

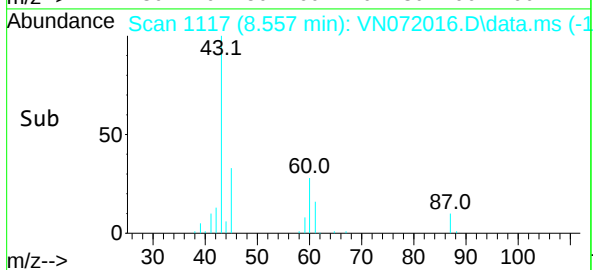
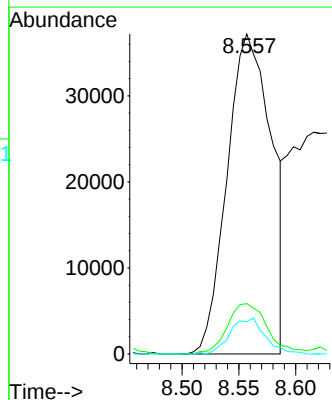
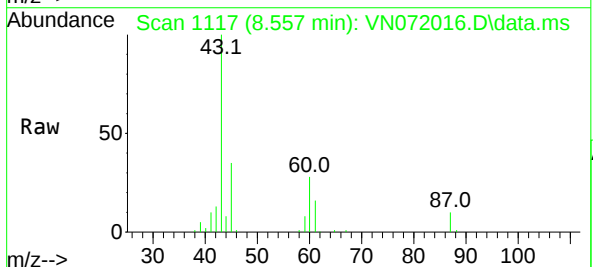
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#04

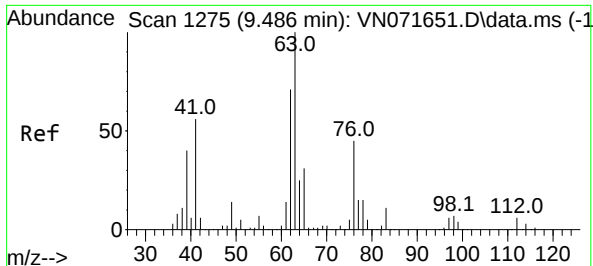
Tgt Ion:117 Resp: 55812
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.270 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

Tgt Ion: 43 Resp: 101296
Ion Ratio Lower Upper
43 100
61 14.2 21.9 32.9#
87 8.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.737 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

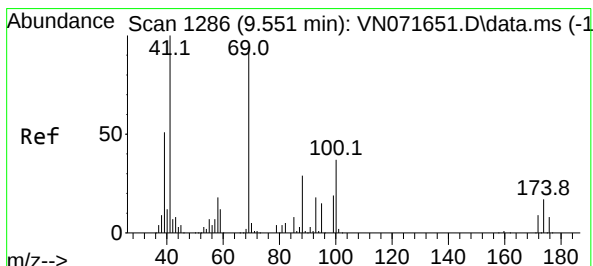
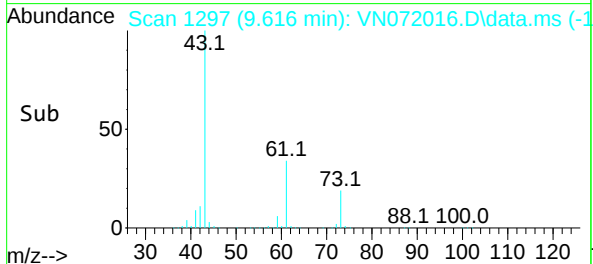
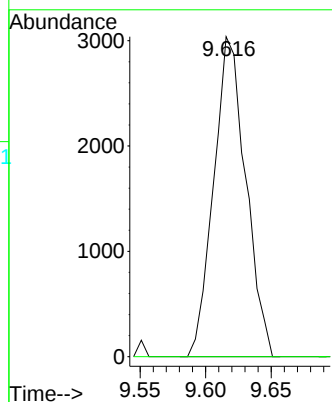
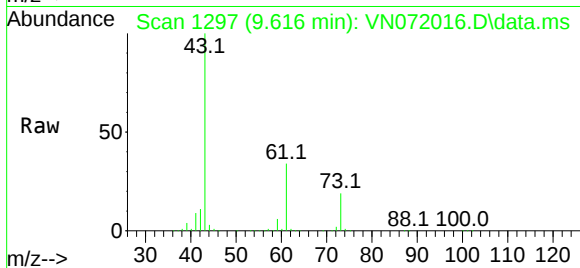
PB144101ZHE#04

Tgt Ion: 63 Resp: 5163

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.156 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

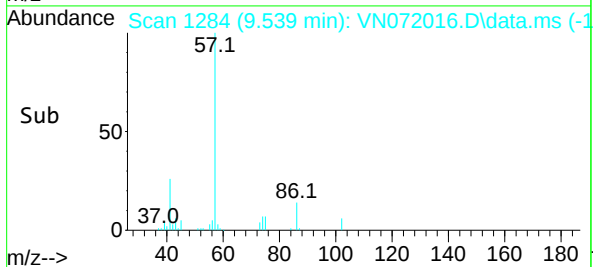
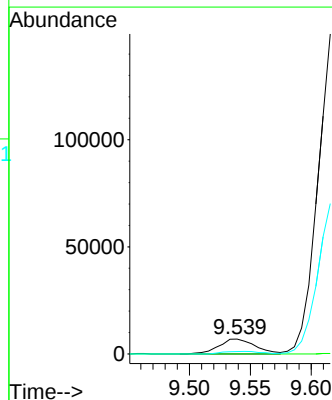
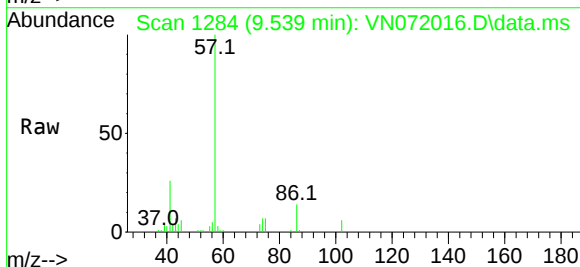
Tgt Ion: 41 Resp: 14451

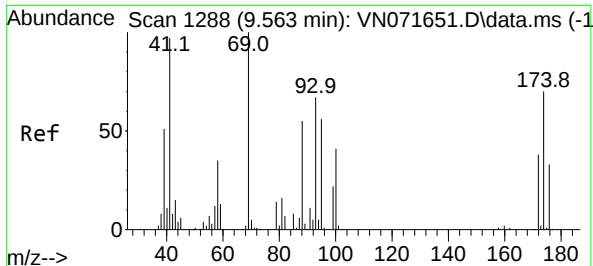
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#04

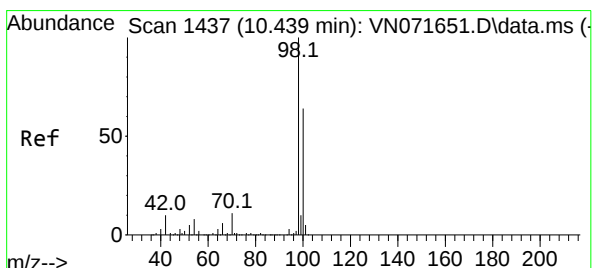
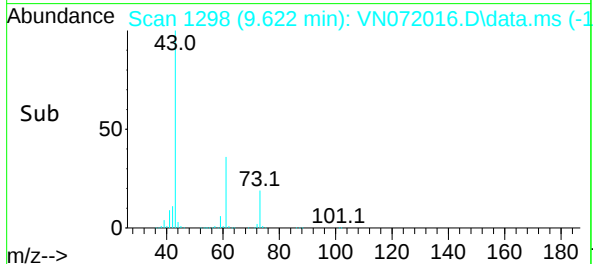
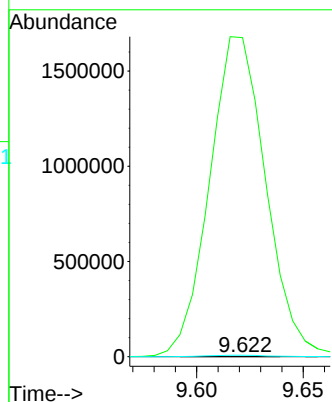
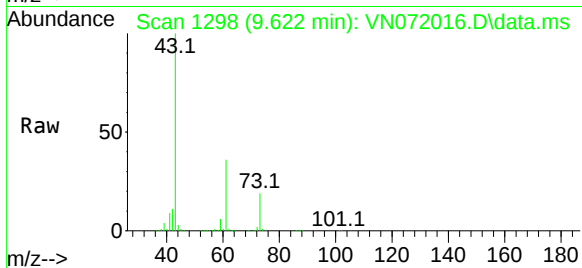
Tgt Ion: 88 Resp: 525

Ion Ratio Lower Upper

88 100

43 598008.0 20.2 30.4#

58 2978.3 54.2 81.4#



#50

Toluene-d8

Concen: 54.421 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072016.D

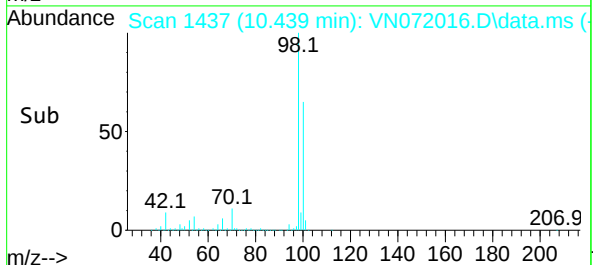
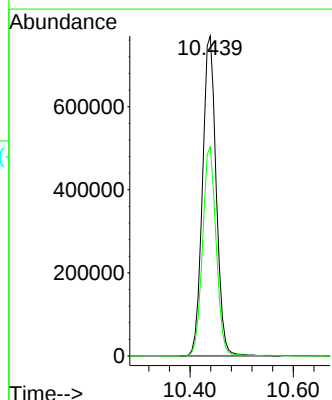
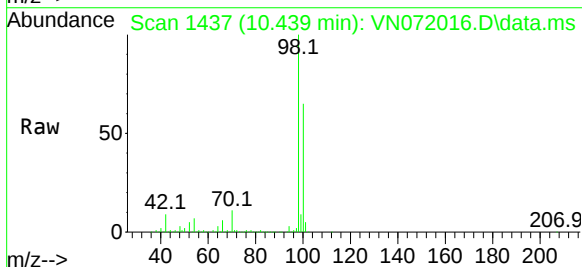
Acq: 15 Apr 2022 21:15

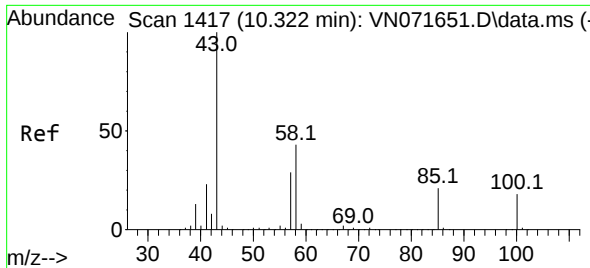
Tgt Ion: 98 Resp: 1414766

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.313 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.005 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

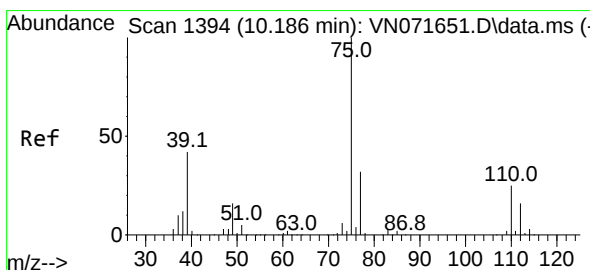
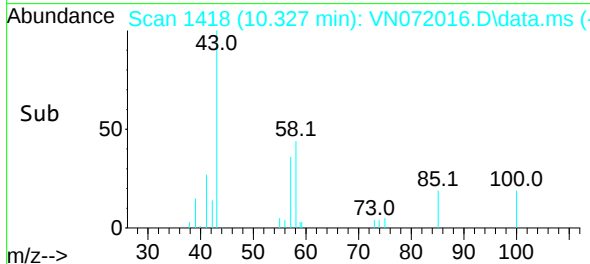
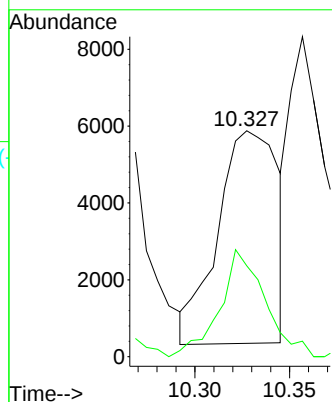
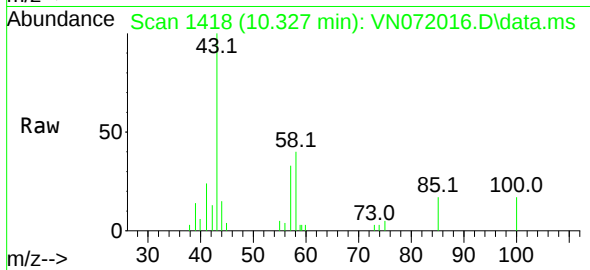
PB144101ZHE#04

Tgt Ion: 43 Resp: 12200

Ion Ratio Lower Upper

43 100

58 38.0 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 10.339 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

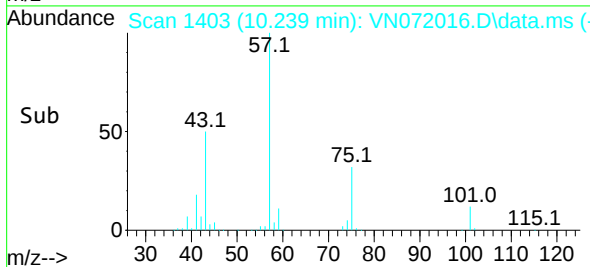
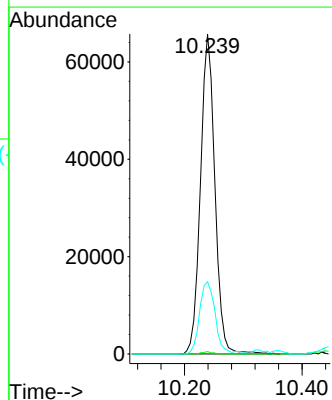
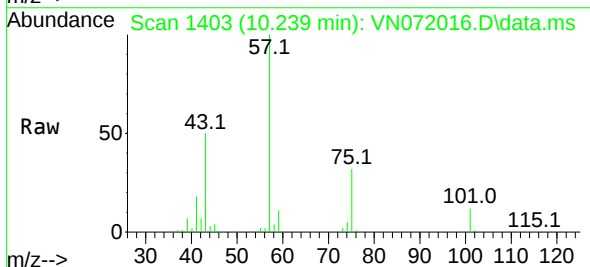
Tgt Ion: 75 Resp: 112070

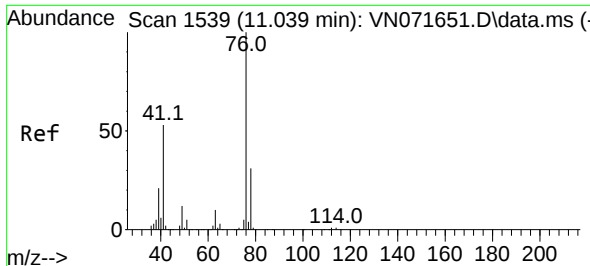
Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

39 22.6 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.912 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

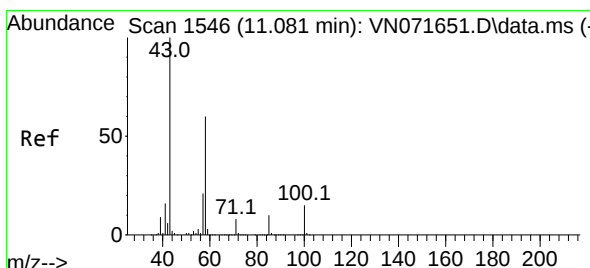
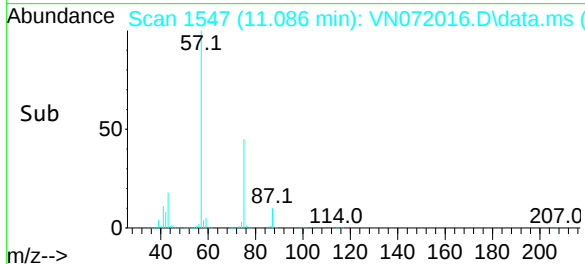
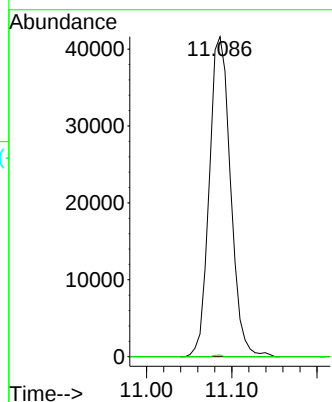
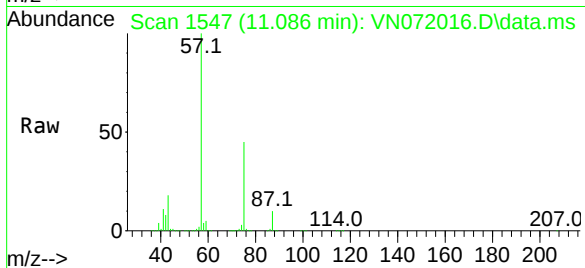
PB144101ZHE#04

Tgt Ion: 76 Resp: 72094

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 126.952 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072016.D

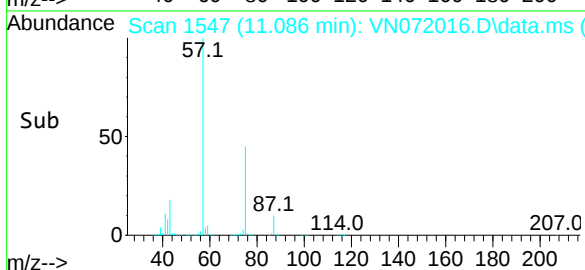
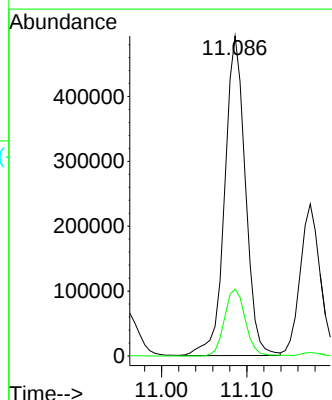
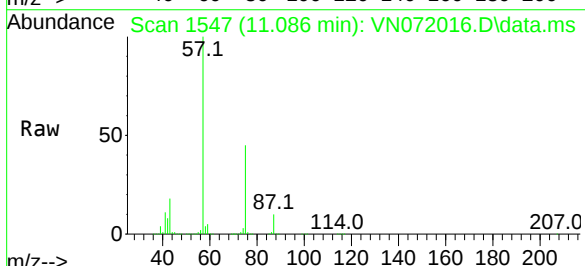
Acq: 15 Apr 2022 21:15

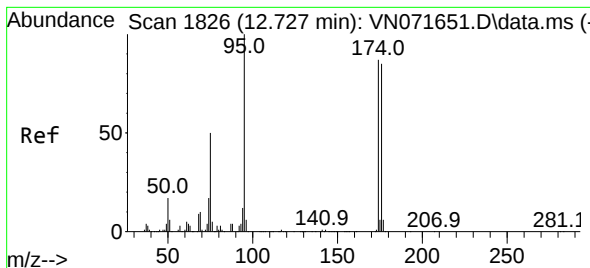
Tgt Ion: 43 Resp: 830266

Ion Ratio Lower Upper

43 100

58 21.1 29.7 89.1#

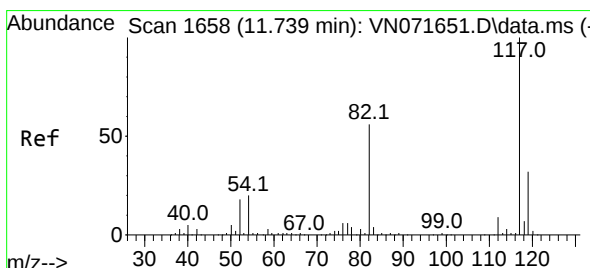
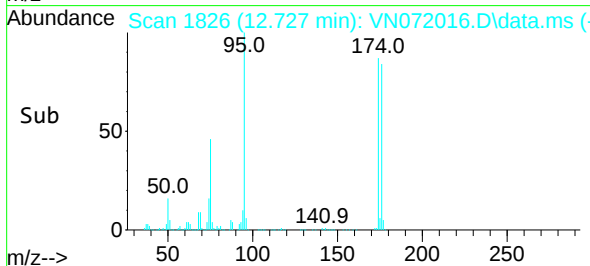
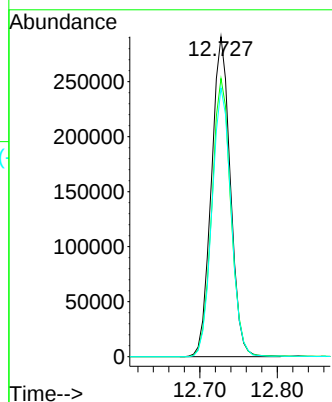
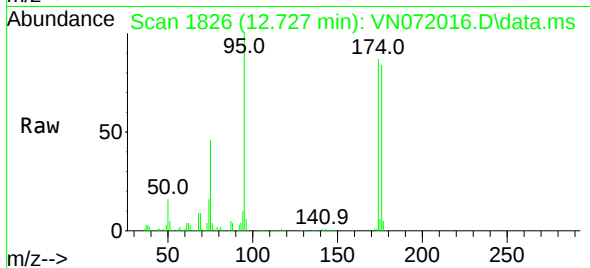




#62
4-Bromofluorobenzene
Concen: 58.934 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

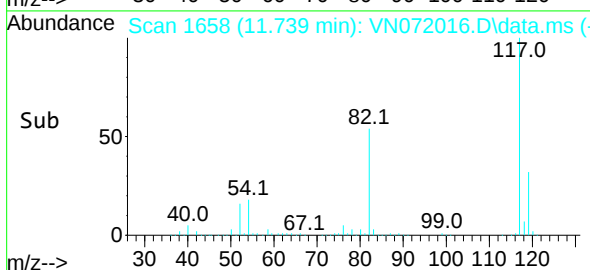
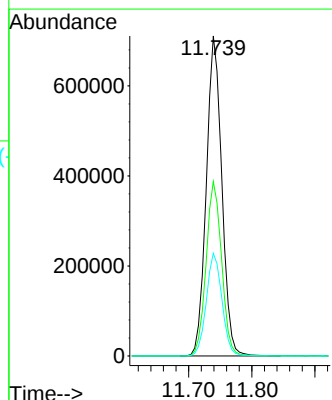
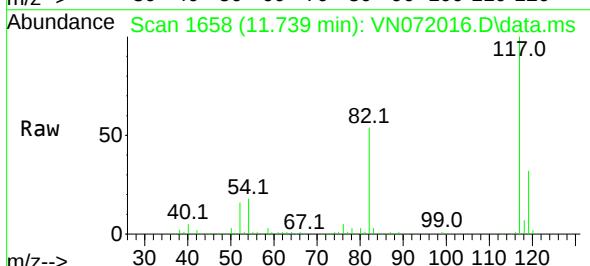
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#04

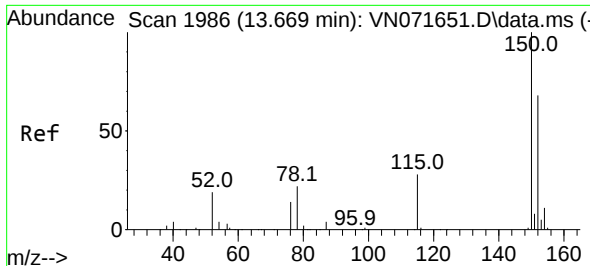
Tgt Ion: 95 Resp: 495507
Ion Ratio Lower Upper
95 100
174 87.0 0.0 167.6
176 84.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

Tgt Ion: 117 Resp: 1214223
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 32.1 25.4 38.0

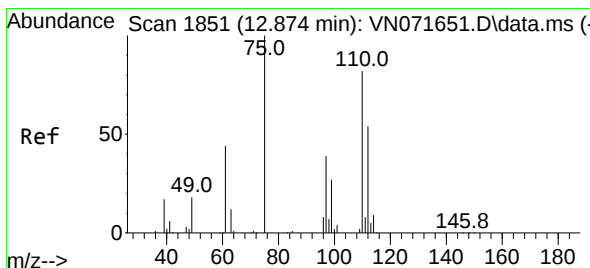
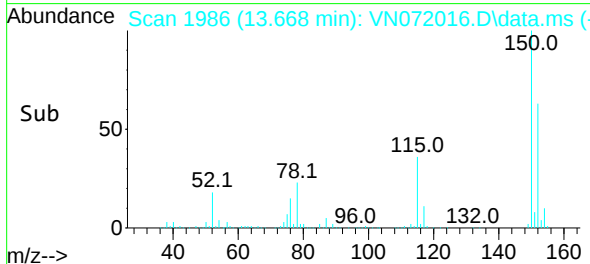
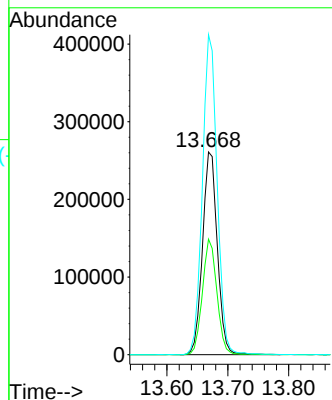
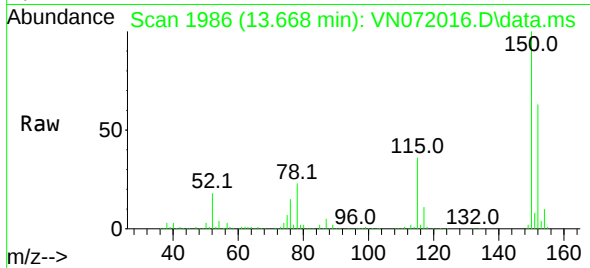




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072016.D
 Acq: 15 Apr 2022 21:15

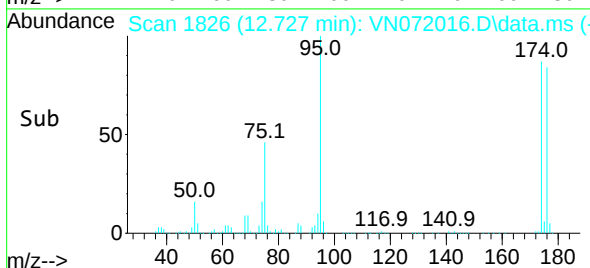
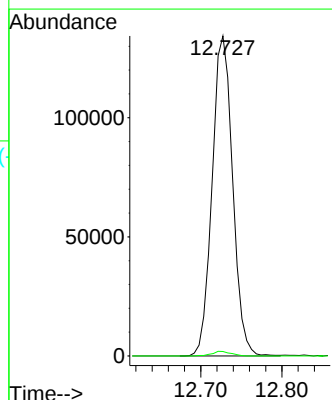
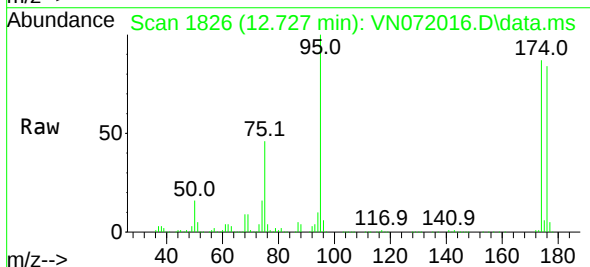
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#04

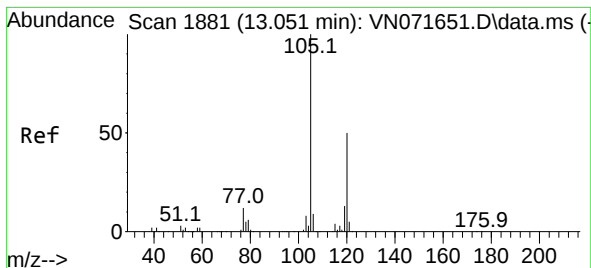
Tgt Ion:152 Resp: 442178
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.9 86.7
 150 157.0 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.998 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072016.D
 Acq: 15 Apr 2022 21:15

Tgt Ion: 75 Resp: 235576
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.374 ug/l

RT: 13.057 min Scan# 1881

Delta R.T. 0.006 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

Instrument :

MSVOA_N

ClientSampleId :

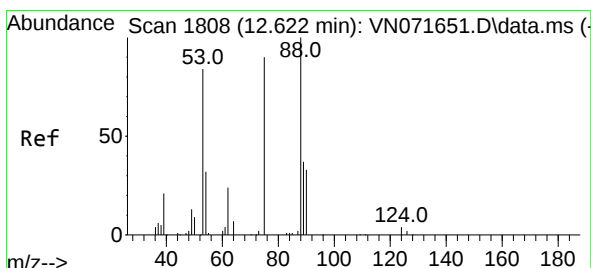
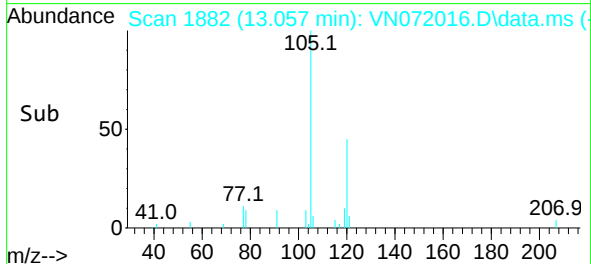
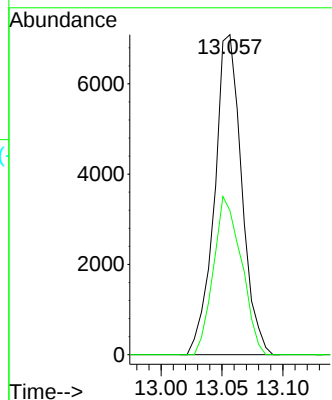
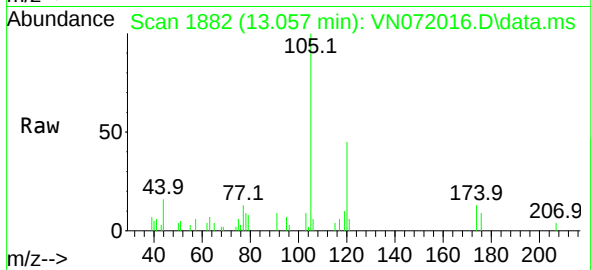
PB144101ZHE#04

Tgt Ion:105 Resp: 11035

Ion Ratio Lower Upper

105 100

120 50.7 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 71.270 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.105 min

Lab File: VN072016.D

Acq: 15 Apr 2022 21:15

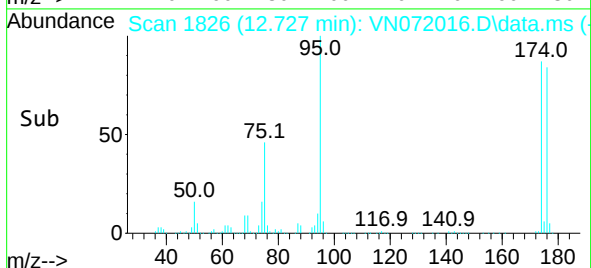
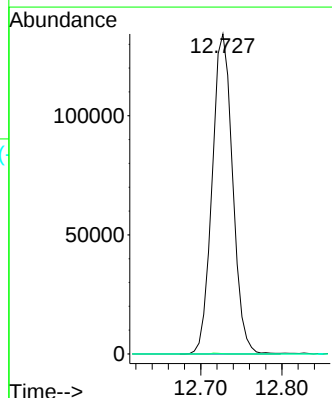
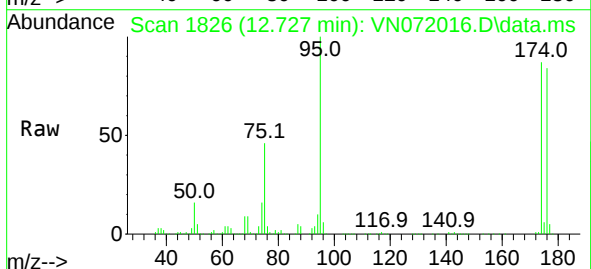
Tgt Ion: 75 Resp: 235576

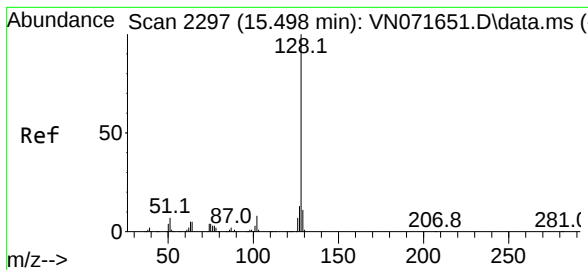
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

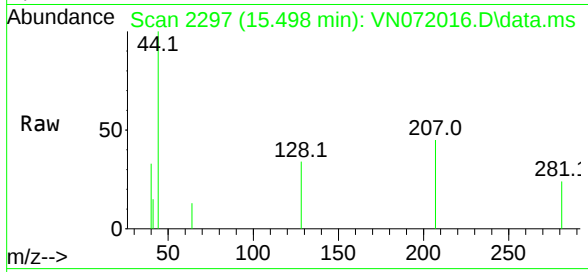
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.836 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072016.D
Acq: 15 Apr 2022 21:15

Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#04



Tgt Ion:	128	Resp:	730
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

