

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075175.D
 Acq On : 04 Nov 2022 15:21
 Operator : JC\MD
 Sample : PB148795ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148795ZHE#04

Quant Time: Nov 05 06:59:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

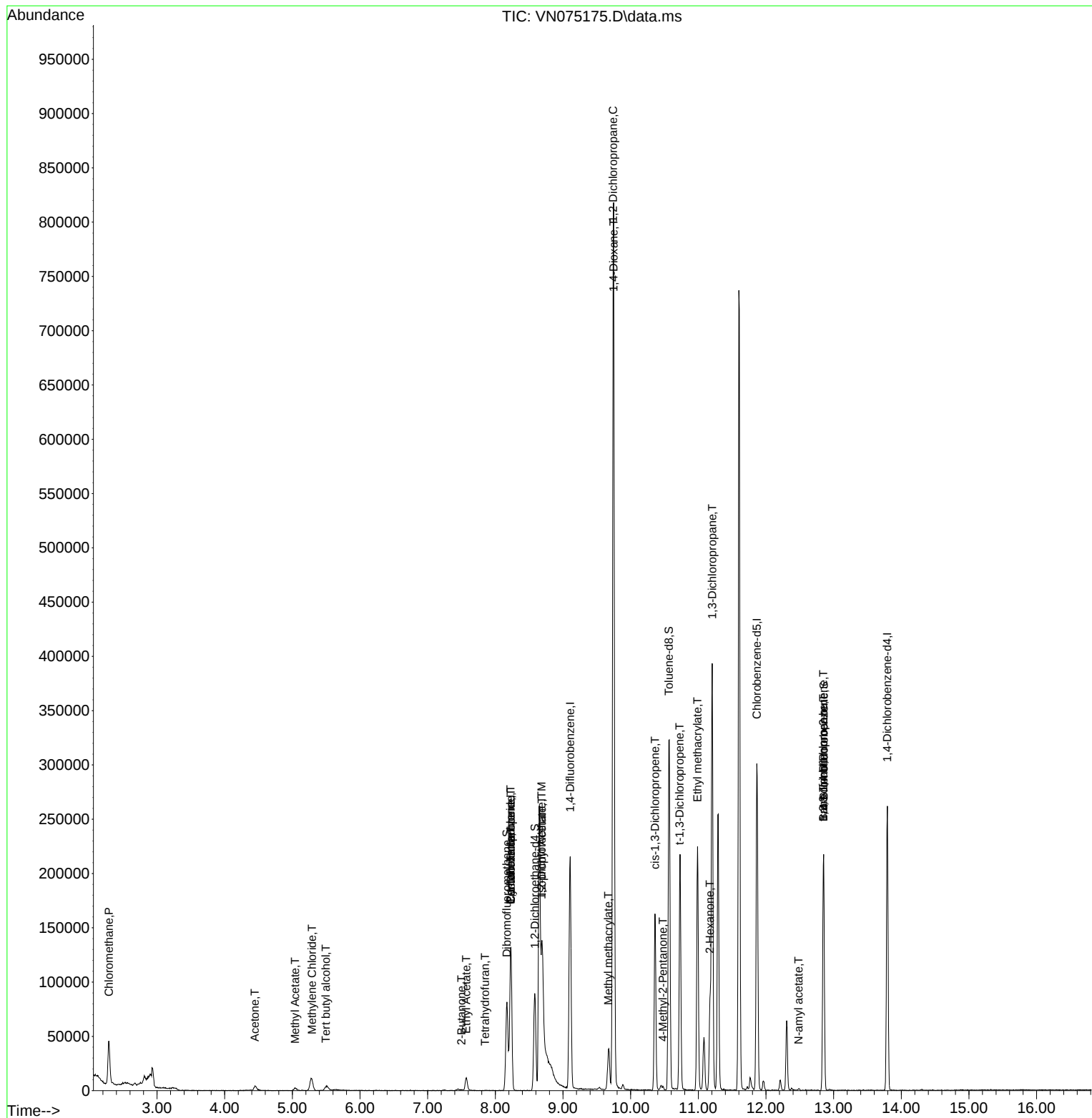
Internal Standards						
1) Pentafluorobenzene	8.224	168	91607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	189199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	174930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	74879	60.665	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.340%			
35) Dibromofluoromethane	8.171	113	58760	52.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.800%			
50) Toluene-d8	10.565	98	229832	53.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.680%			
62) 4-Bromofluorobenzene	12.853	95	76063	50.248	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.500%			
Target Compounds						Qvalue
3) Chloromethane	2.289	50	1173	0.927	ug/l #	42
5) Bromomethane	2.912	94	128	Below Cal		94
11) Tert butyl alcohol	5.494	59	3936	13.674	ug/l #	72
16) Acetone	4.447	43	8193	15.676	ug/l	94
18) Methyl Acetate	5.041	43	4287	2.511	ug/l	92
20) Methylene Chloride	5.289	84	9511	8.162	ug/l #	86
25) 2-Butanone	7.500	43	1684	2.049	ug/l #	43
29) Tetrahydrofuran	7.847	42	240	0.452	ug/l #	26
31) Cyclohexane	8.229	56	2137	1.164	ug/l #	14
36) 1,1-Dichloropropene	8.229	75	8632	5.020	ug/l #	49
37) Ethyl Acetate	7.571	43	17433	9.244	ug/l	96
38) Carbon Tetrachloride	8.224	117	10964	5.796	ug/l #	14
42) 1,2-Dichloroethane	8.682	62	533	0.278	ug/l #	75
43) Isopropyl Acetate	8.688	43	195814	66.942	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	961	0.767	ug/l #	42
48) Methyl methacrylate	9.671	41	2284	1.702	ug/l #	35
49) 1,4-Dioxane	9.747	88	58	1.651	ug/l #	1
51) 4-Methyl-2-Pentanone	10.476	43	2889	1.531	ug/l #	34
53) t-1,3-Dichloropropene	10.723	75	485	0.243	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	30215	14.277	ug/l #	68
56) Ethyl methacrylate	10.988	69	797	0.374	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4233	1.821	ug/l #	42
59) 2-Hexanone	11.170	43	62632	43.719	ug/l #	21
71) Bromoform	12.847	173	704	0.679	ug/l #	1
74) N-amyl acetate	12.482	43	820	0.402	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	40521	27.790	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	40521	71.337	ug/l #	10

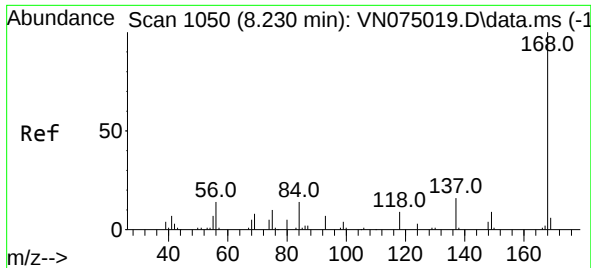
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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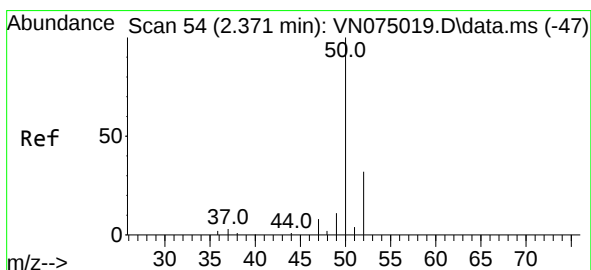
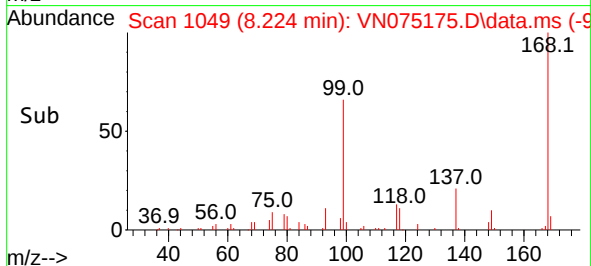
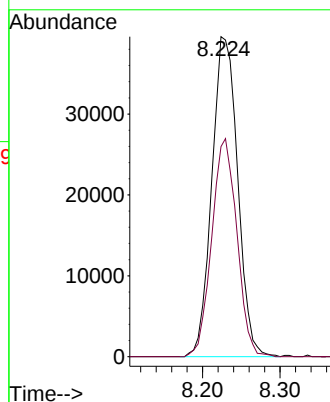
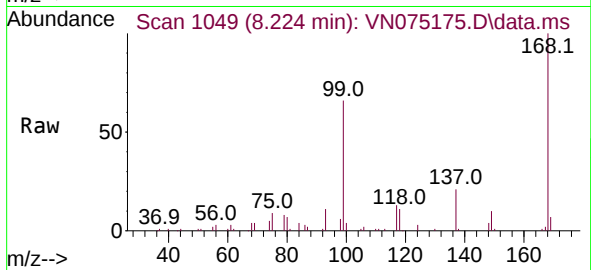




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

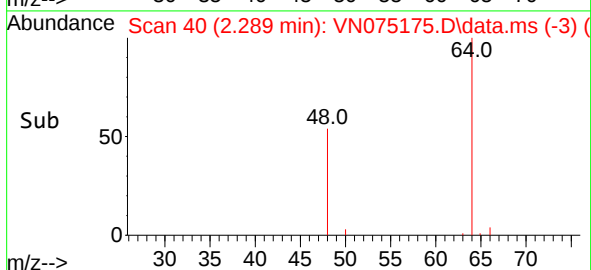
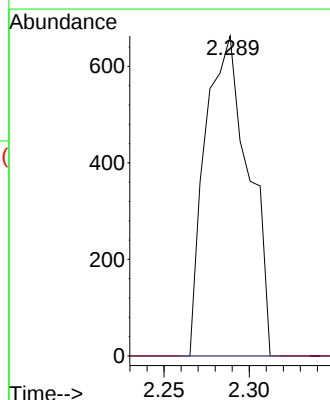
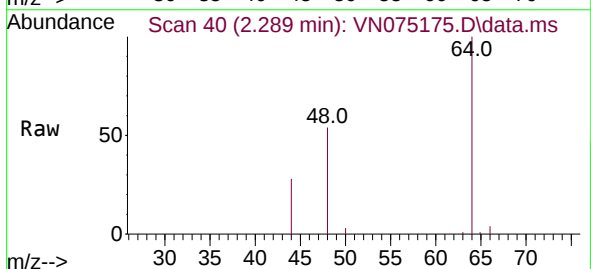
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

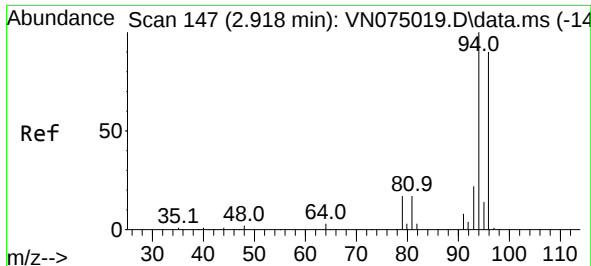
Tgt Ion:168 Resp: 91607
Ion Ratio Lower Upper
168 100
99 65.6 51.6 77.4



#3
Chloromethane
Concen: 0.927 ug/l
RT: 2.289 min Scan# 40
Delta R.T. -0.082 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Tgt Ion: 50 Resp: 1173
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

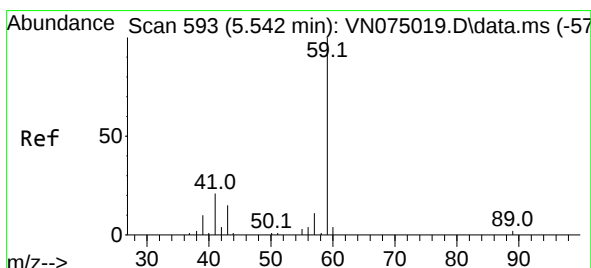
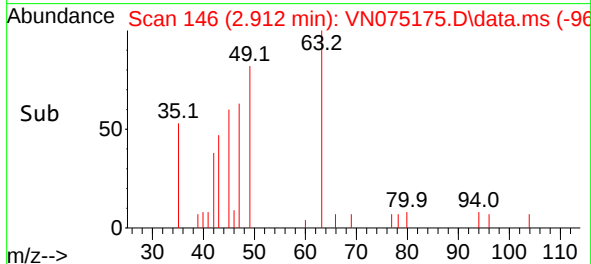
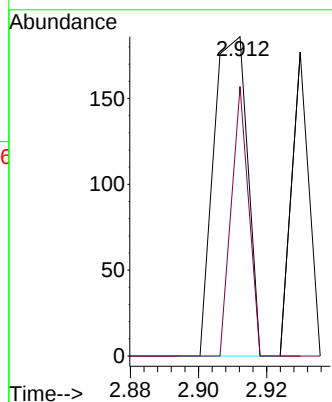
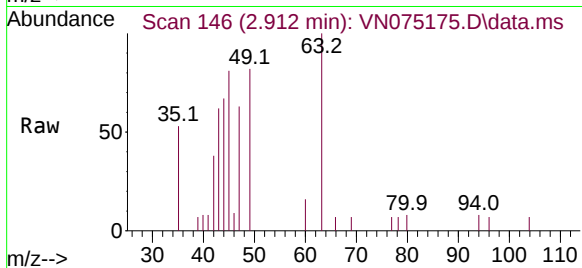




#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

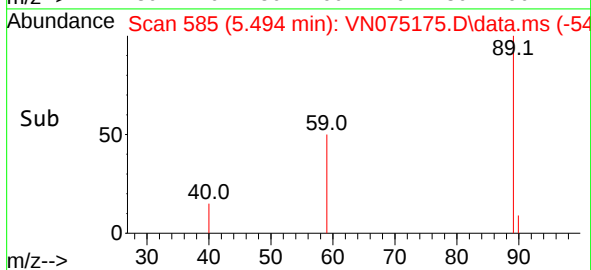
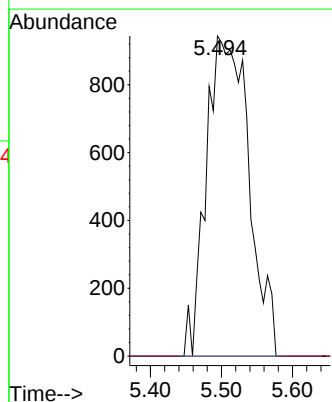
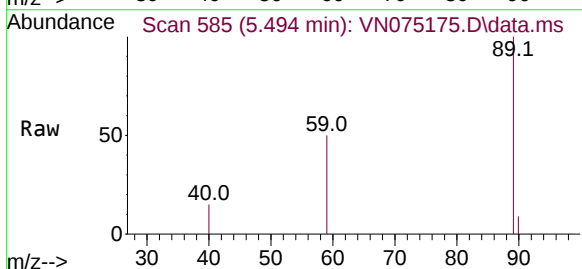
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

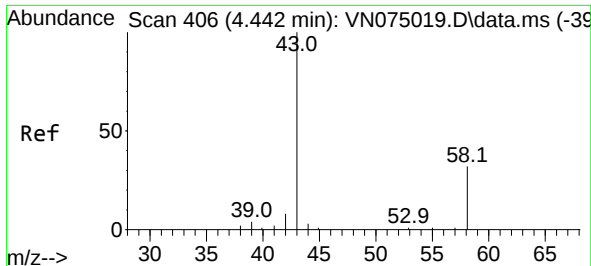
Tgt Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 84.4 71.8 107.6



#11
Tert butyl alcohol
Concen: 13.674 ug/l
RT: 5.494 min Scan# 585
Delta R.T. -0.048 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Tgt Ion: 59 Resp: 3936
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

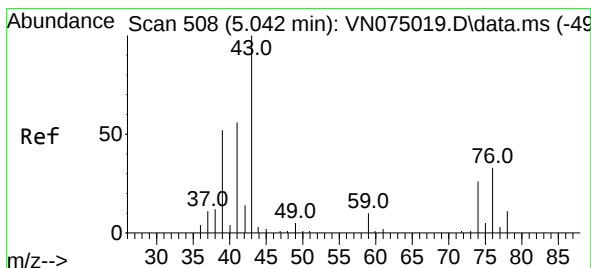
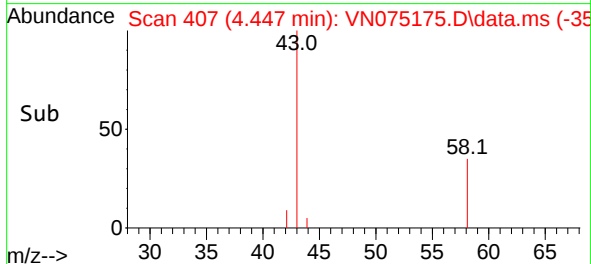
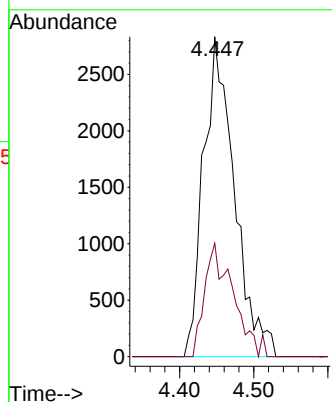
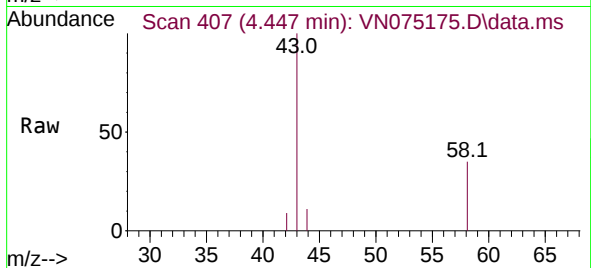




#16
Acetone
Concen: 15.676 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

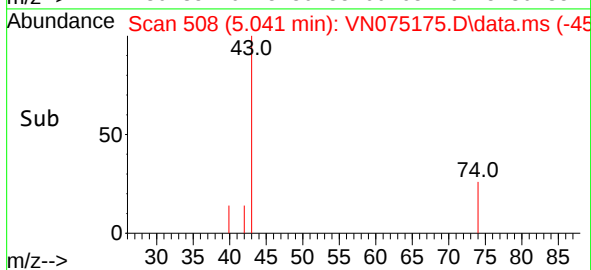
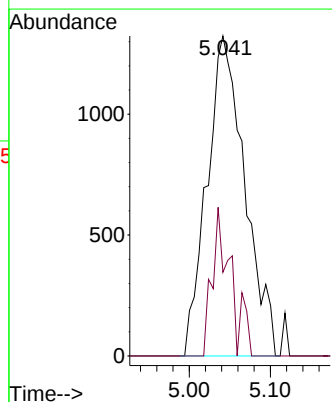
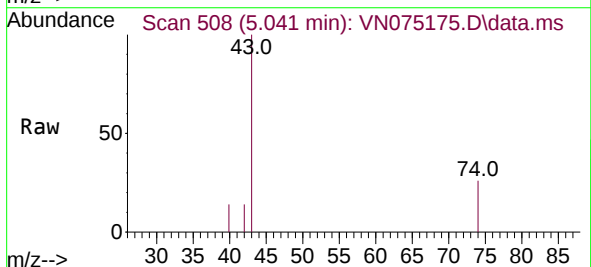
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

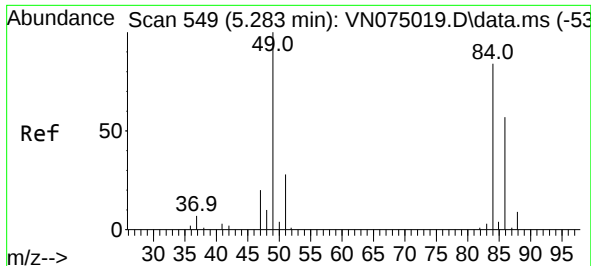
Tgt Ion: 43 Resp: 8193
Ion Ratio Lower Upper
43 100
58 35.5 25.5 38.3



#18
Methyl Acetate
Concen: 2.511 ug/l
RT: 5.041 min Scan# 508
Delta R.T. -0.001 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Tgt Ion: 43 Resp: 4287
Ion Ratio Lower Upper
43 100
74 23.1 22.0 33.0

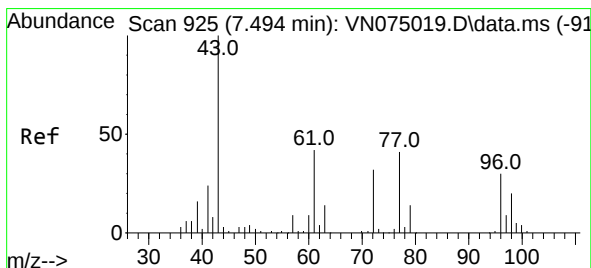
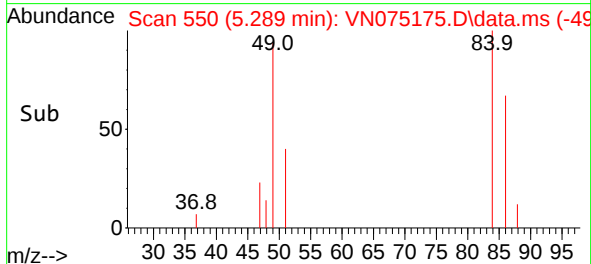
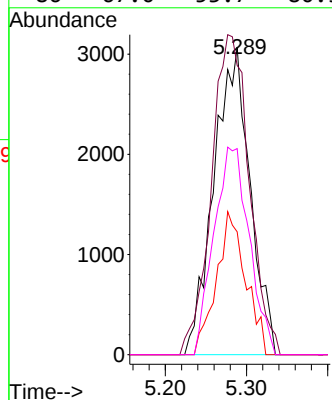
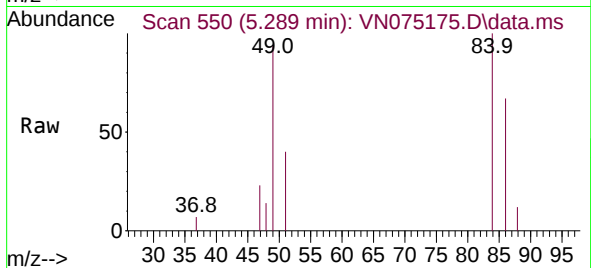




#20
Methylene Chloride
Concen: 8.162 ug/l
RT: 5.289 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

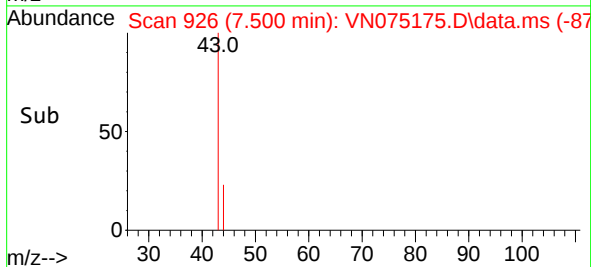
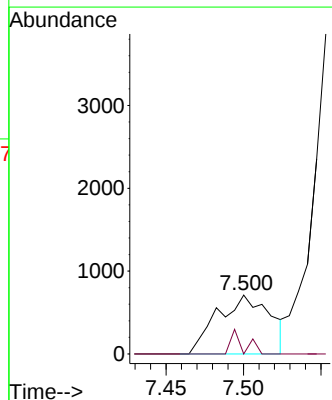
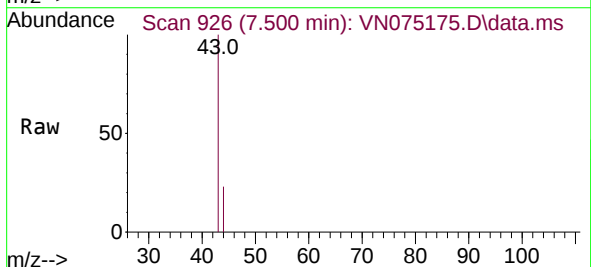
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

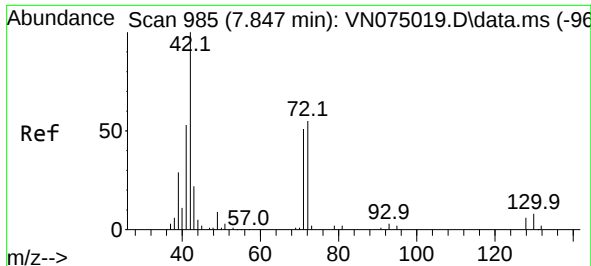
Tgt Ion: 84	Resp: 9511
Ion Ratio	Lower Upper
84 100	
49 94.0	94.9 142.3#
51 40.0	26.8 40.2
86 67.0	53.7 80.5



#25
2-Butanone
Concen: 2.049 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Tgt Ion: 43	Resp: 1684
Ion Ratio	Lower Upper
43 100	
72 0.0	25.5 38.3#





#29

Tetrahydrofuran

Concen: 0.452 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#04

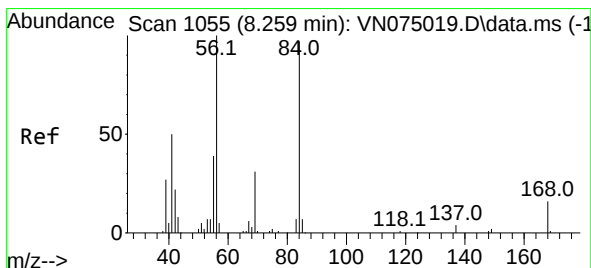
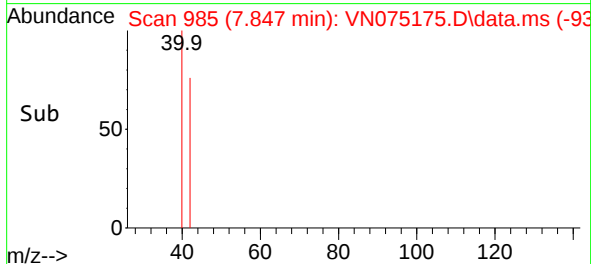
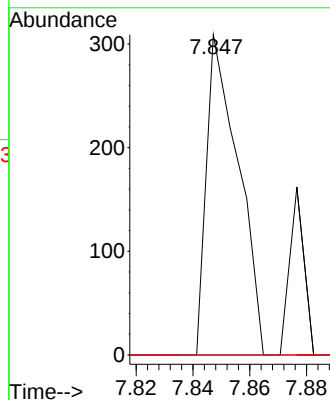
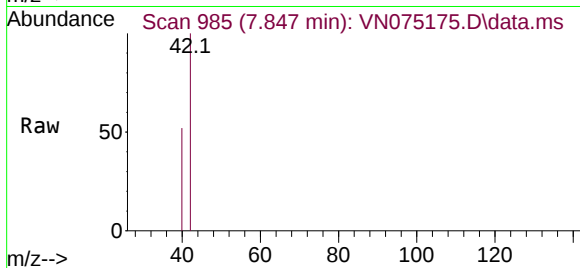
Tgt Ion: 42 Resp: 240

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.164 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.030 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

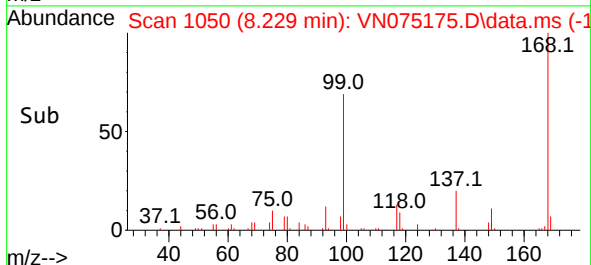
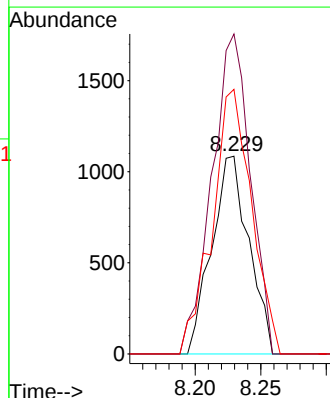
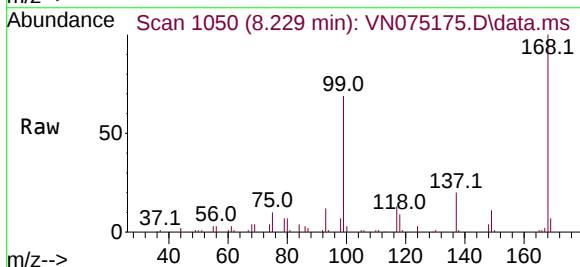
Tgt Ion: 56 Resp: 2137

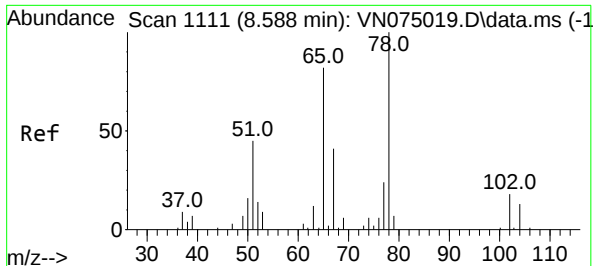
Ion Ratio Lower Upper

56 100

69 161.8 25.2 37.8#

84 133.8 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 60.665 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

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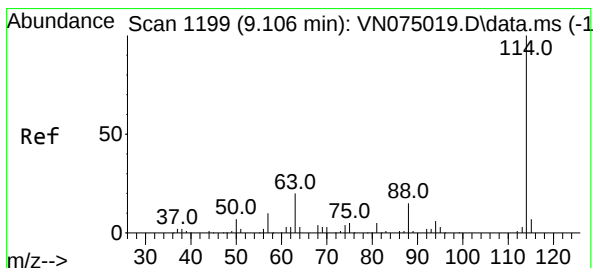
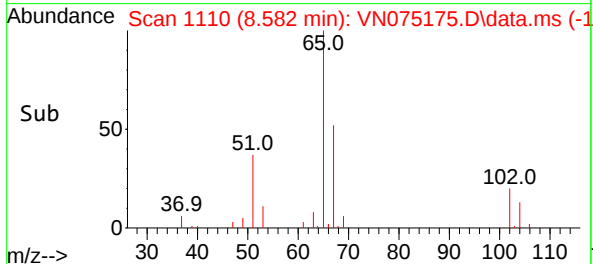
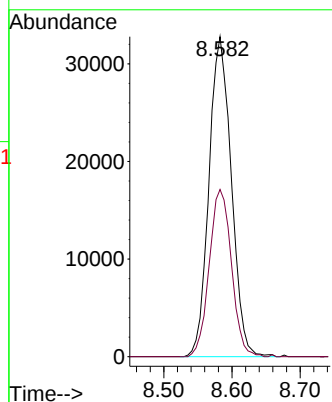
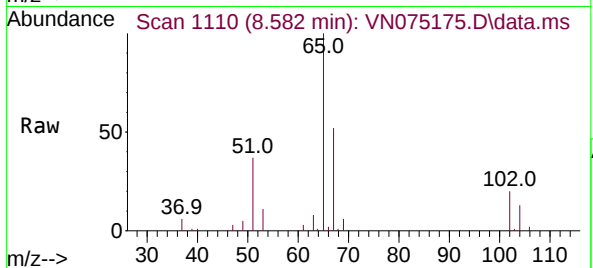
PB148795ZHE#04

Tgt Ion: 65 Resp: 74879

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

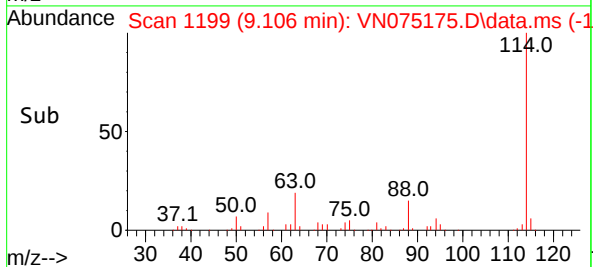
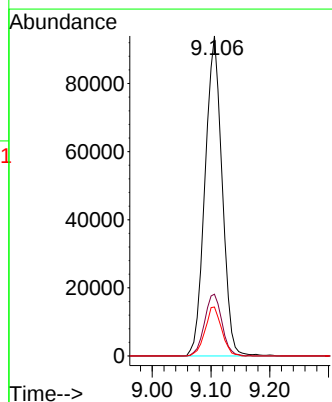
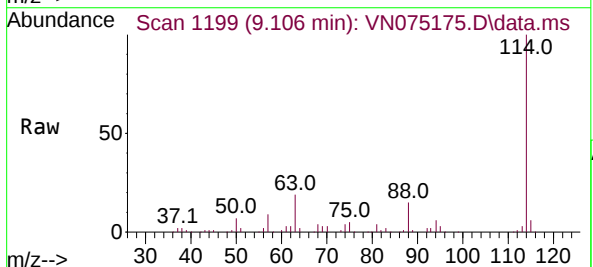
Tgt Ion: 114 Resp: 189199

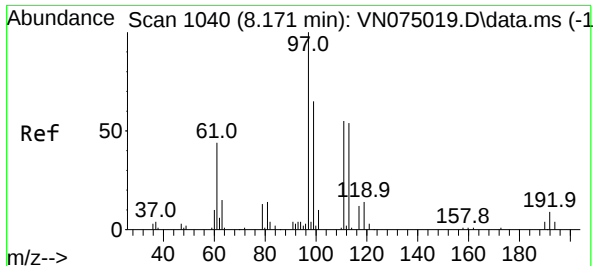
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.904 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#04

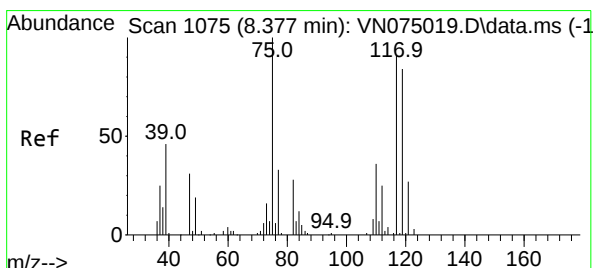
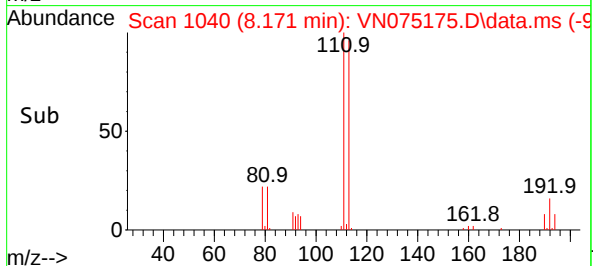
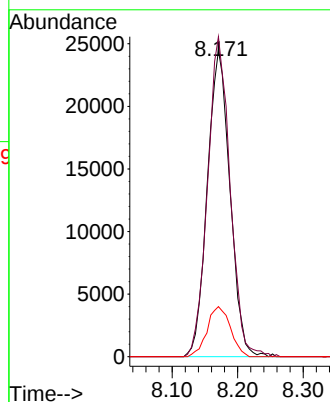
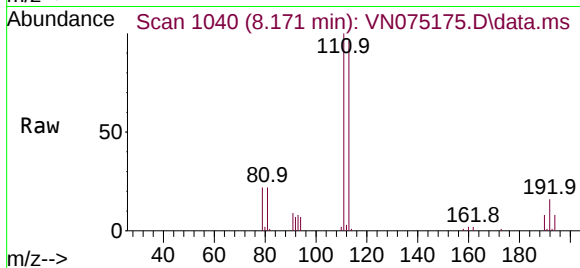
Tgt Ion:113 Resp: 58760

Ion Ratio Lower Upper

113 100

111 103.8 80.5 120.7

192 16.8 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.020 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

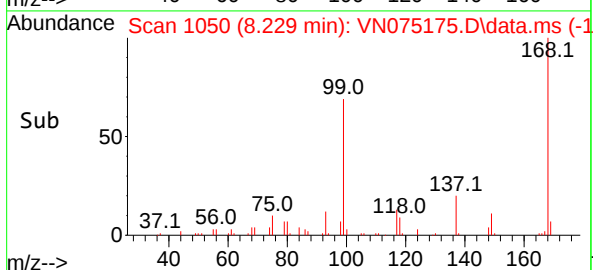
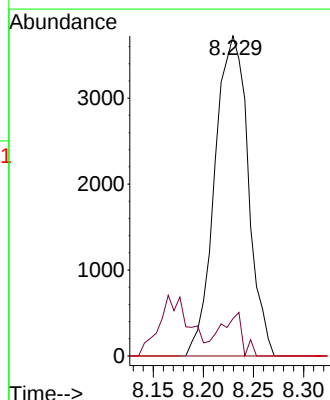
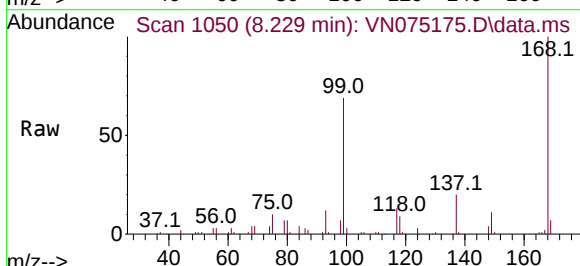
Tgt Ion: 75 Resp: 8632

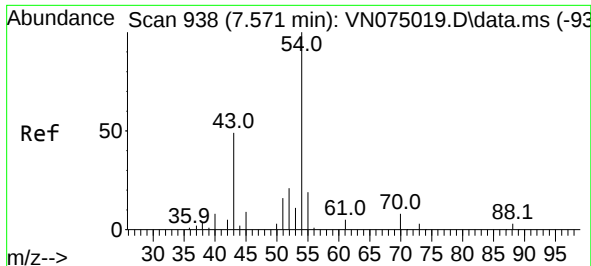
Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 9.244 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN075175.D

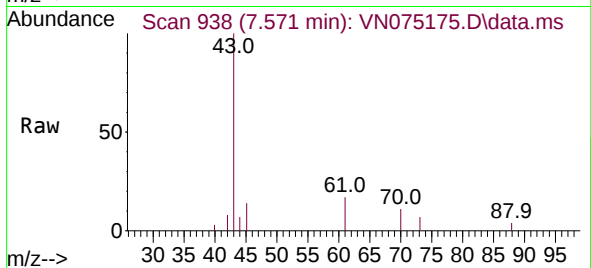
Acq: 04 Nov 2022 15:21

Instrument :

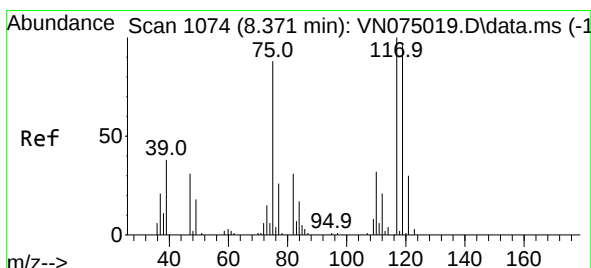
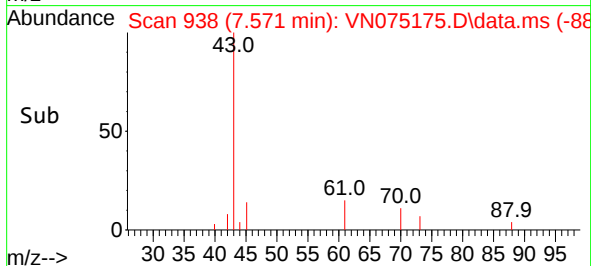
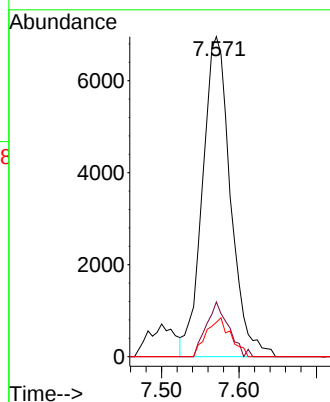
MSVOA_N

ClientSampleId :

PB148795ZHE#04



Tgt Ion:	43	Resp:	17433
Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.2	18.4
70	10.5	9.4	14.2



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

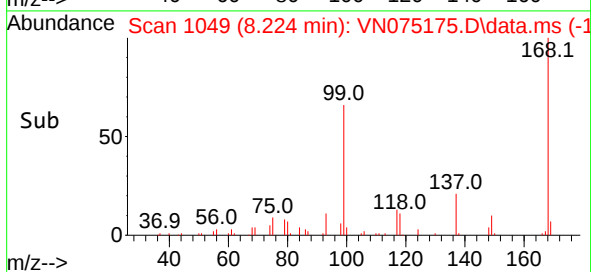
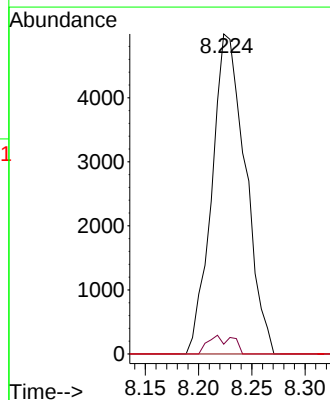
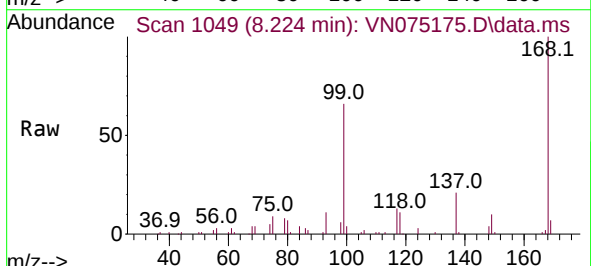
RT: 8.224 min Scan# 1049

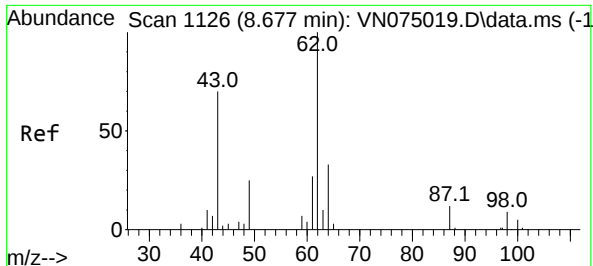
Delta R.T. -0.147 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

Tgt Ion:	117	Resp:	10964
Ion	Ratio	Lower	Upper
117	100		
119	3.0	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.278 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

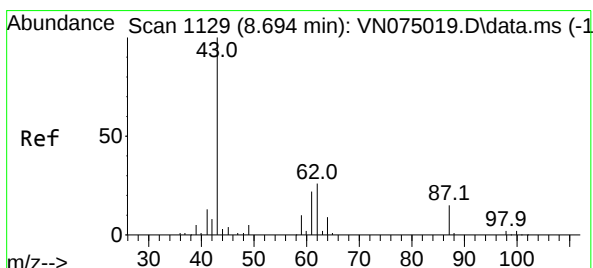
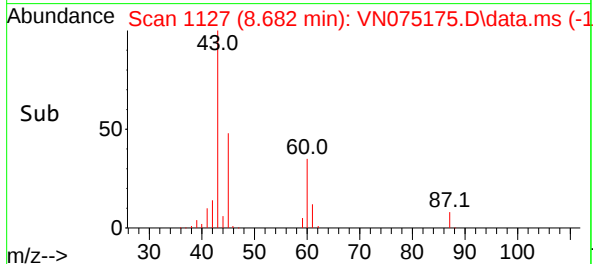
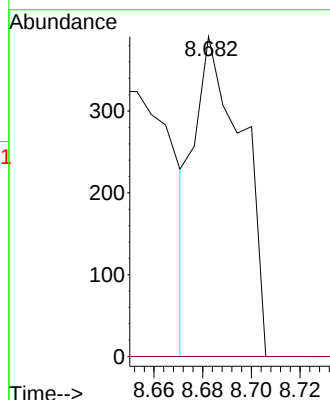
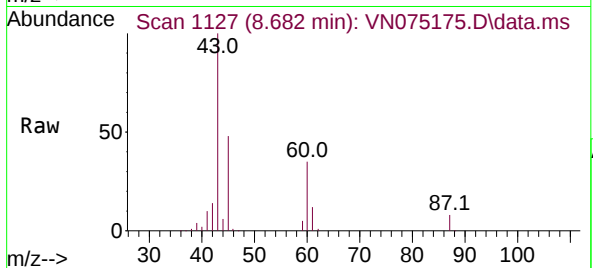
PB148795ZHE#04

Tgt Ion: 62 Resp: 533

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 66.942 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

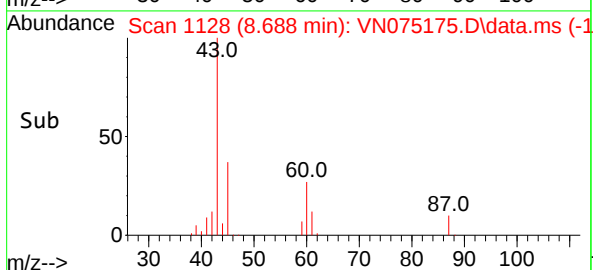
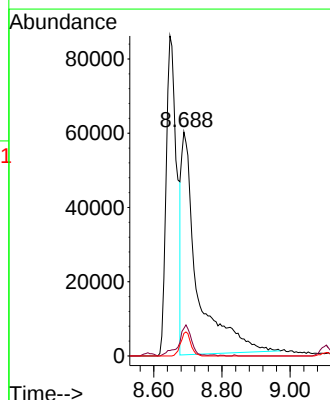
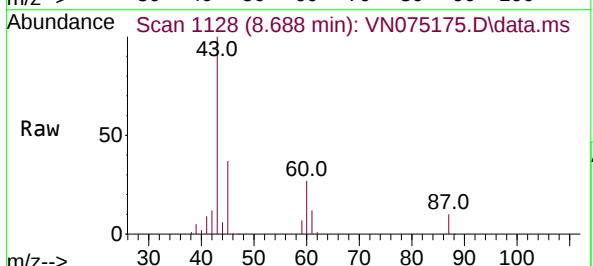
Tgt Ion: 43 Resp: 195814

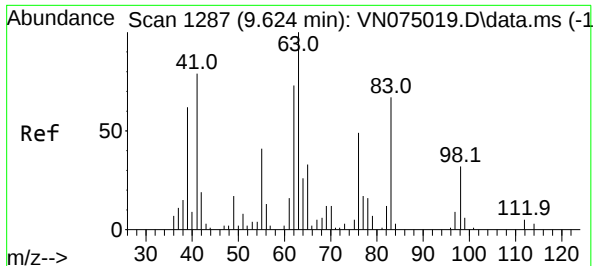
Ion Ratio Lower Upper

43 100

61 11.0 22.4 33.6#

87 6.7 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.767 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

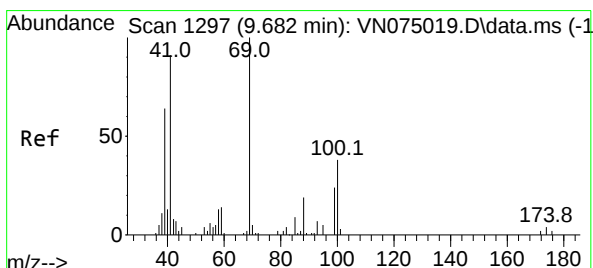
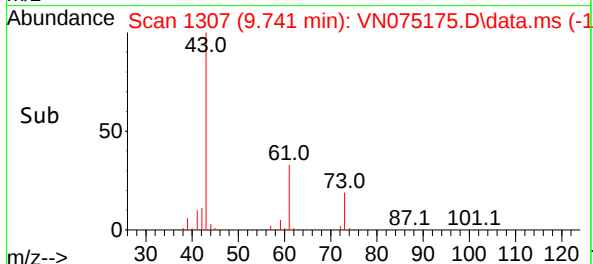
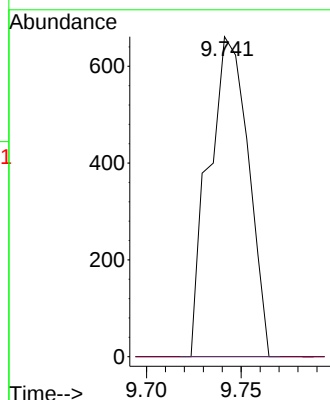
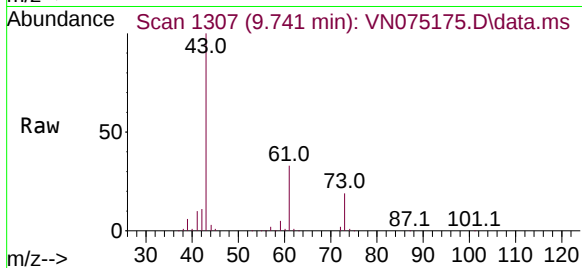
PB148795ZHE#04

Tgt Ion: 63 Resp: 961

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.702 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

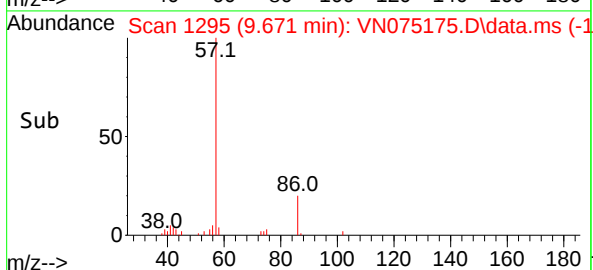
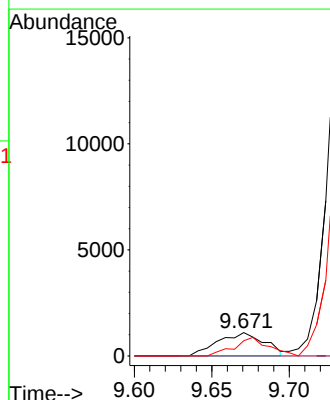
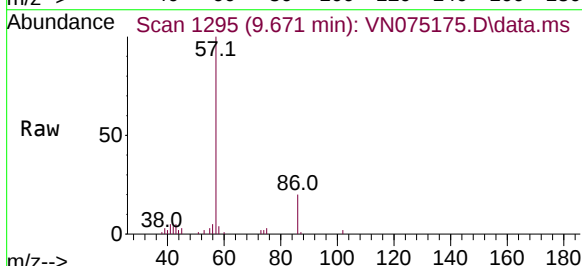
Tgt Ion: 41 Resp: 2284

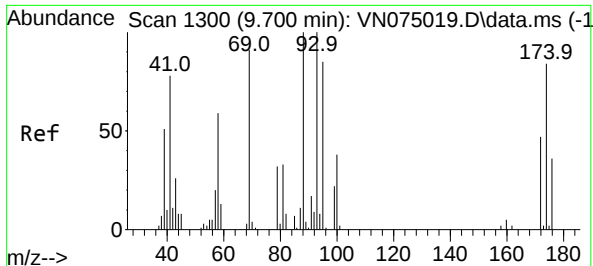
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 58.2 56.2 84.2





#49

1,4-Dioxane

Concen: 1.651 ug/l

RT: 9.747 min Scan# 1300

Delta R.T. 0.047 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#04

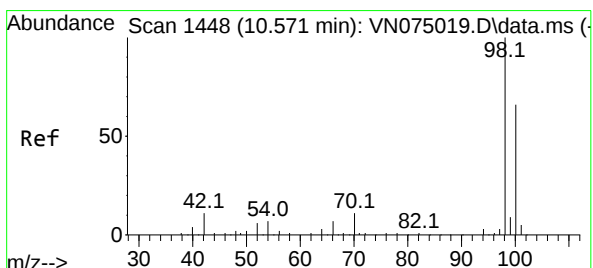
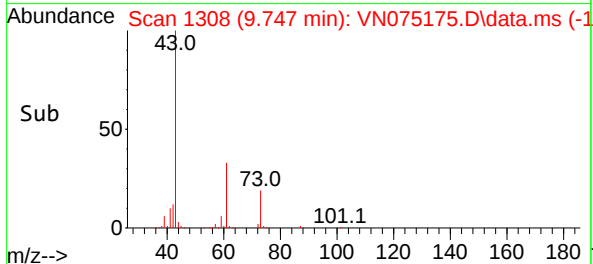
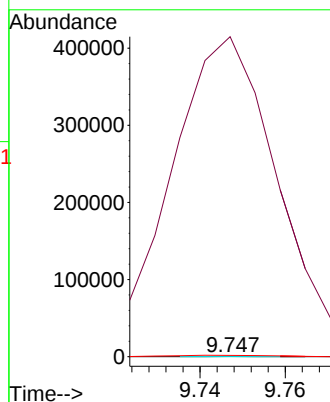
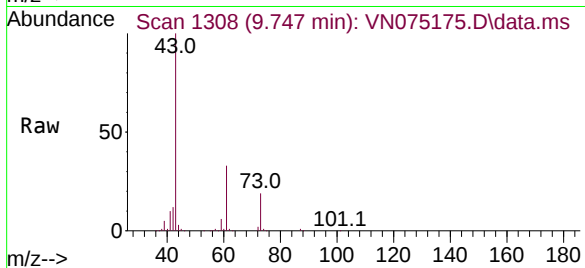
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 1281660.3 17.5 26.3#

58 5422.4 49.8 74.8#



#50

Toluene-d8

Concen: 53.335 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075175.D

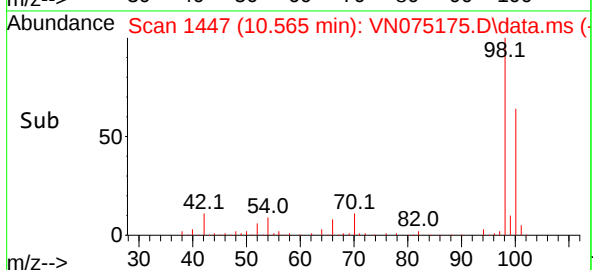
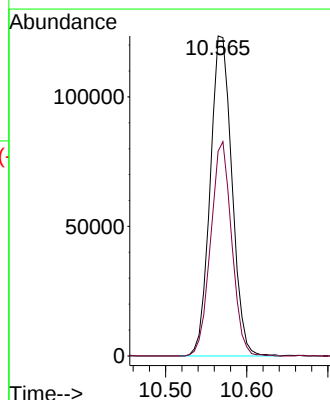
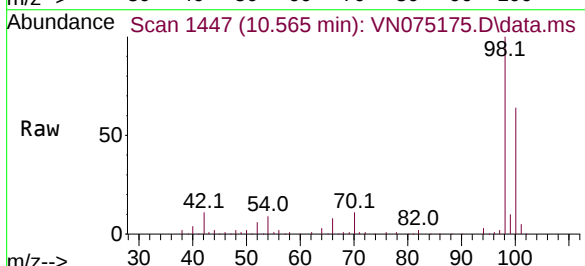
Acq: 04 Nov 2022 15:21

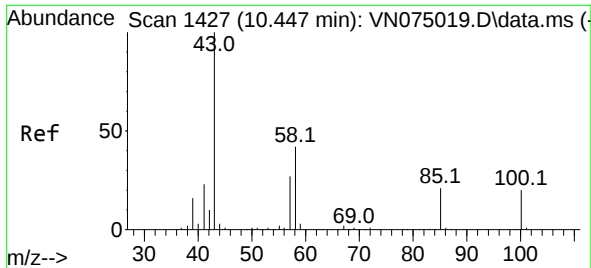
Tgt Ion: 98 Resp: 229832

Ion Ratio Lower Upper

98 100

100 64.6 53.0 79.6

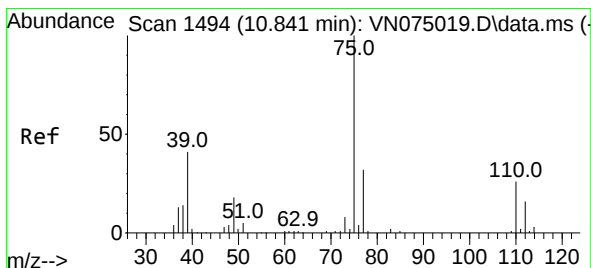
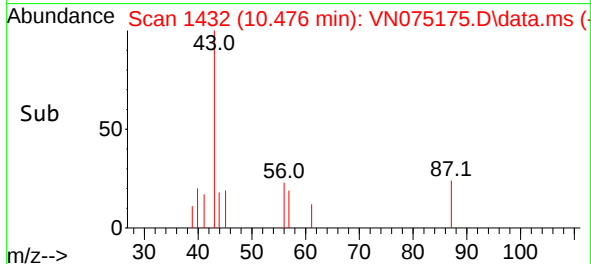
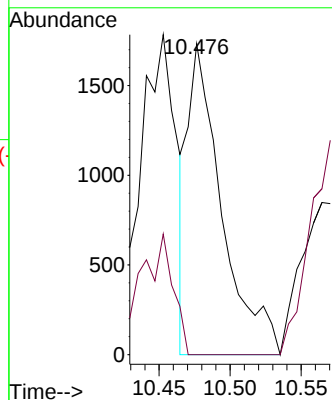
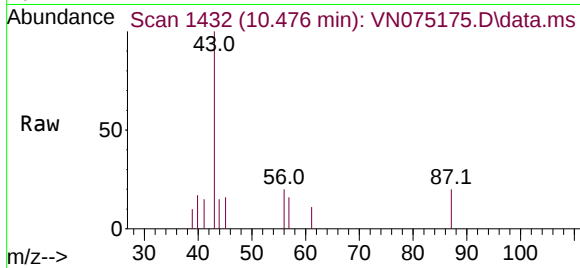




#51
4-Methyl-2-Pentanone
Concen: 1.531 ug/l
RT: 10.476 min Scan# 1427
Delta R.T. 0.029 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

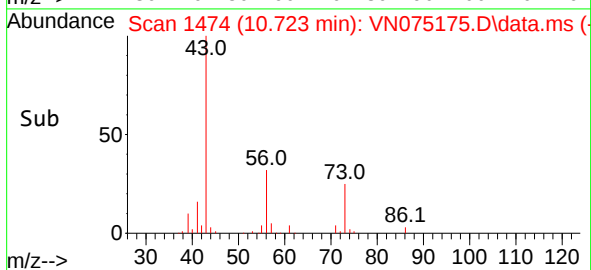
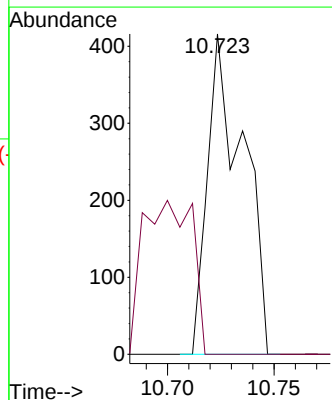
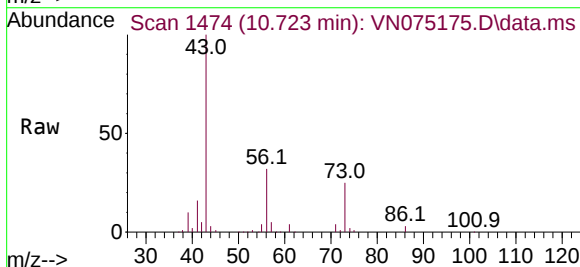
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

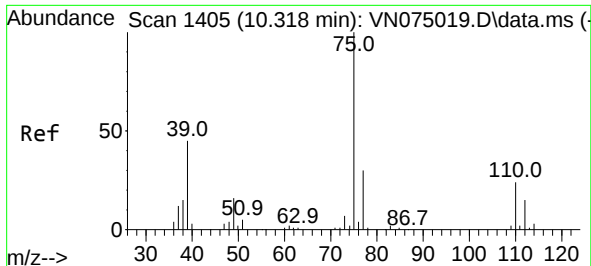
Tgt Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.243 ug/l
RT: 10.723 min Scan# 1474
Delta R.T. -0.118 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Tgt Ion: 75 Resp: 485
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

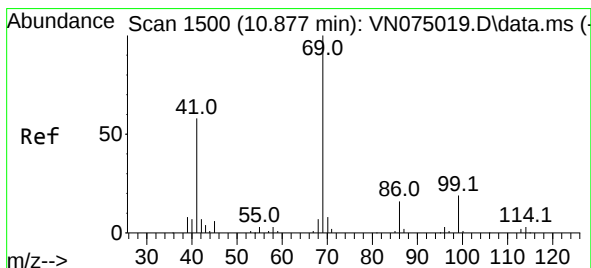
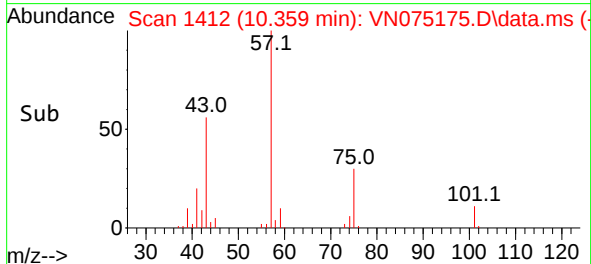
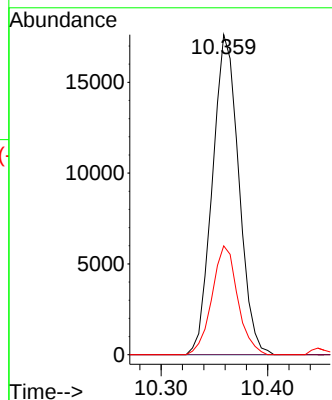
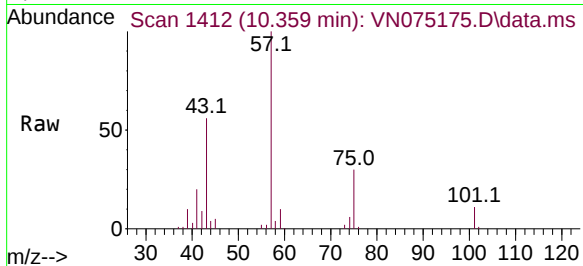




#54
 cis-1,3-Dichloropropene
 Concen: 14.277 ug/l
 RT: 10.359 min Scan# 1405
 Delta R.T. 0.041 min
 Lab File: VN075175.D
 Acq: 04 Nov 2022 15:21

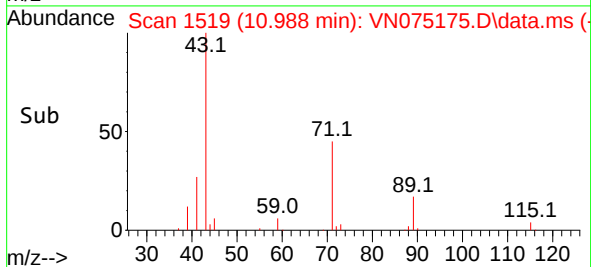
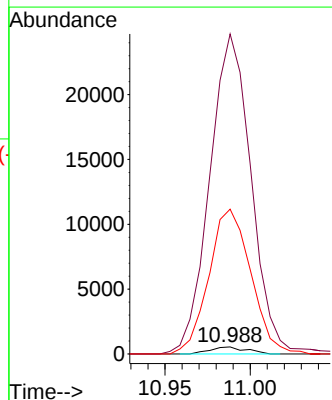
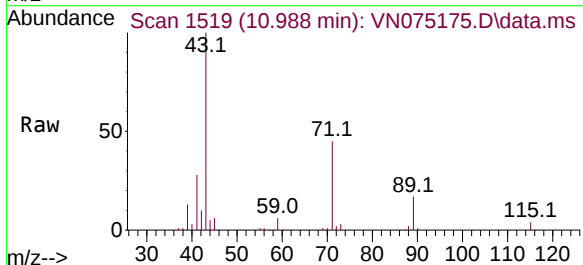
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148795ZHE#04

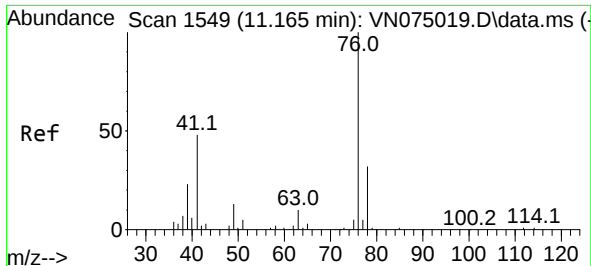
Tgt Ion: 75 Resp: 30215
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 34.0 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.374 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075175.D
 Acq: 04 Nov 2022 15:21

Tgt Ion: 69 Resp: 797
 Ion Ratio Lower Upper
 69 100
 41 5263.9 45.6 68.4#
 39 2407.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.821 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075175.D

Acq: 04 Nov 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

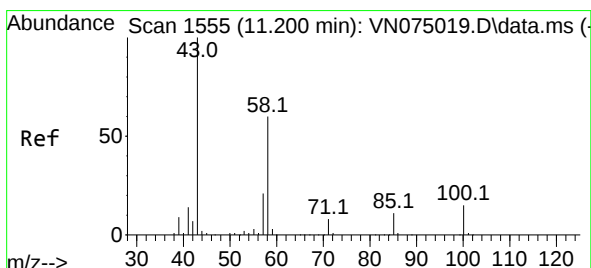
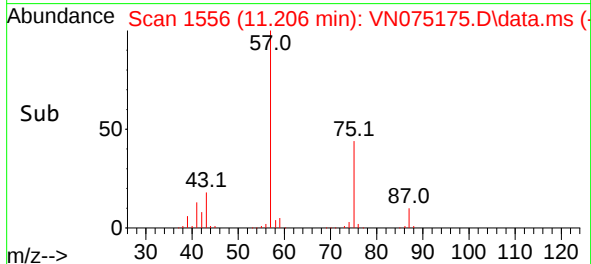
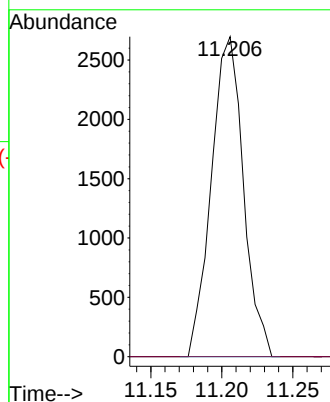
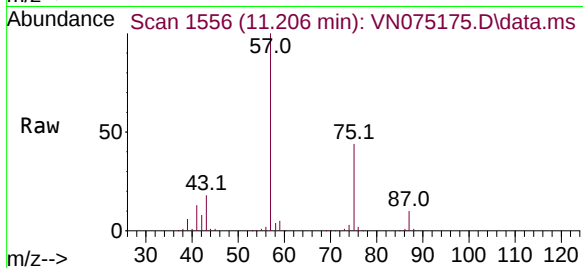
PB148795ZHE#04

Tgt Ion: 76 Resp: 4233

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 43.719 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.030 min

Lab File: VN075175.D

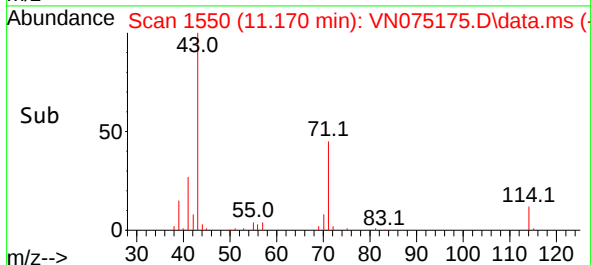
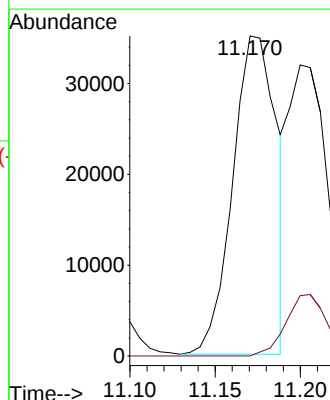
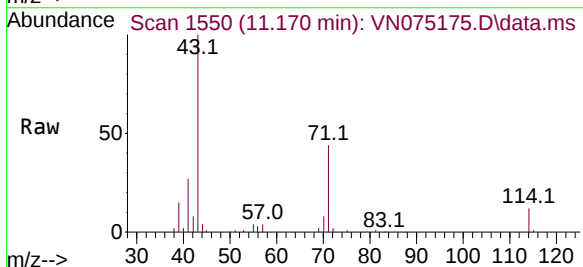
Acq: 04 Nov 2022 15:21

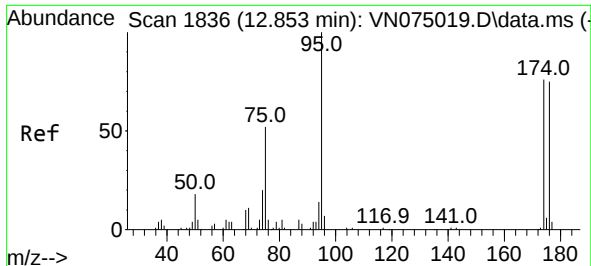
Tgt Ion: 43 Resp: 62632

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

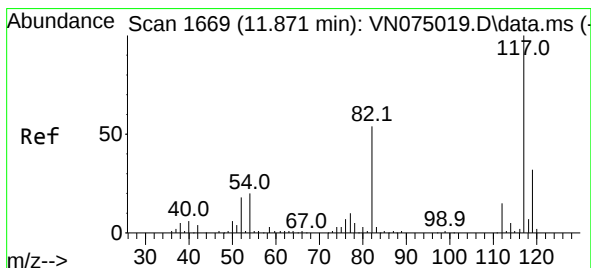
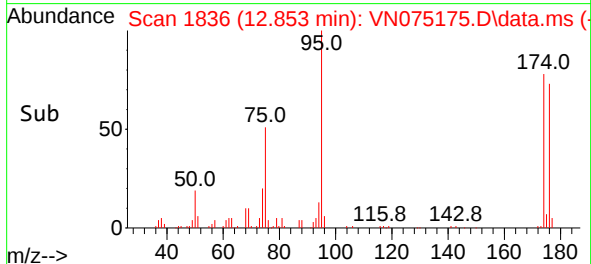
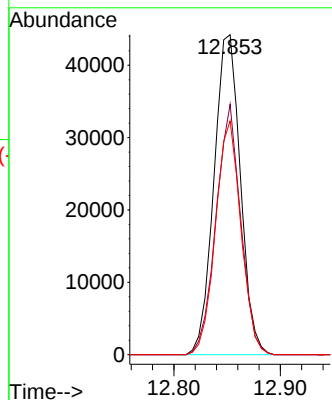
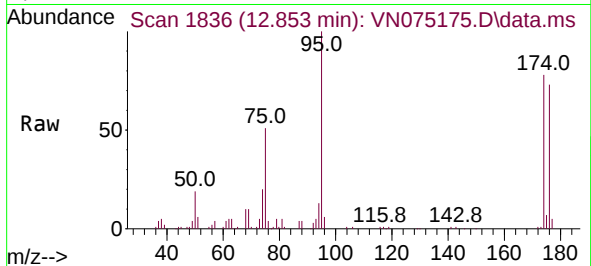




#62
4-Bromofluorobenzene
Concen: 50.248 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

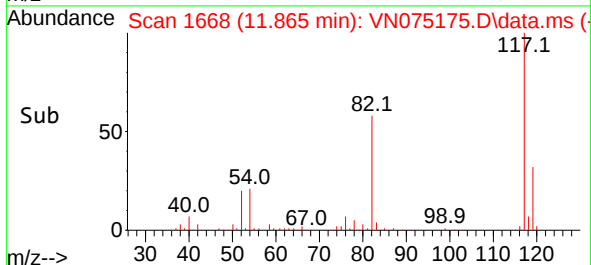
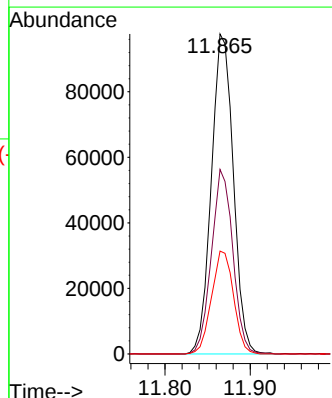
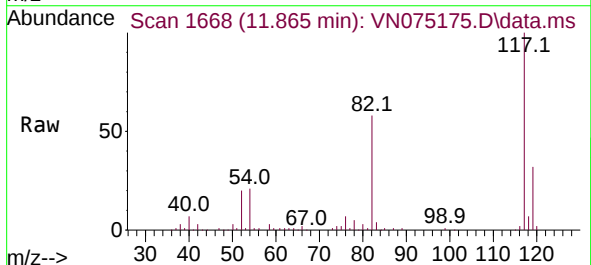
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

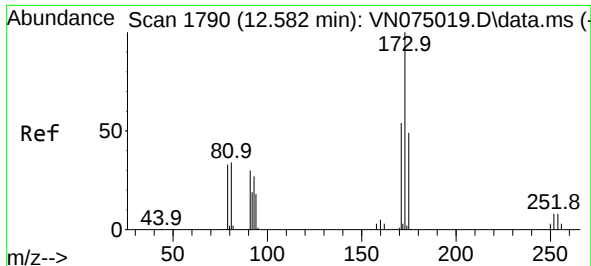
Tgt Ion: 95 Resp: 76063
Ion Ratio Lower Upper
95 100
174 73.0 0.0 147.4
176 70.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Tgt Ion: 117 Resp: 174930
Ion Ratio Lower Upper
117 100
82 57.7 43.1 64.7
119 32.1 25.5 38.3

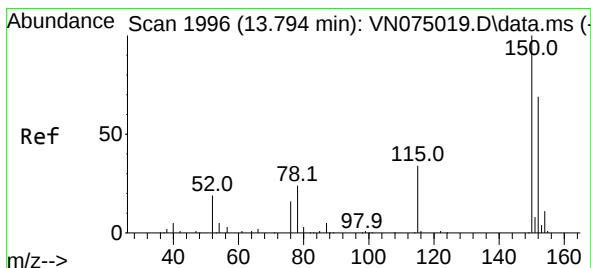
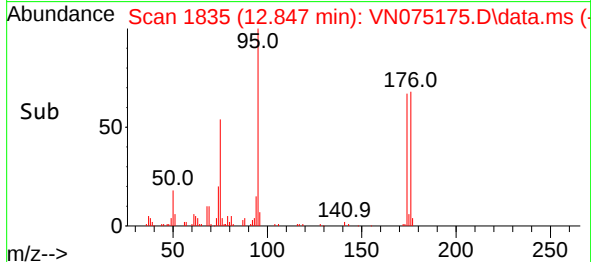
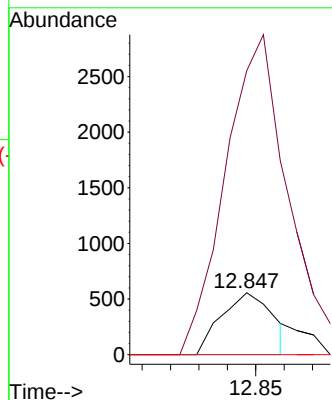
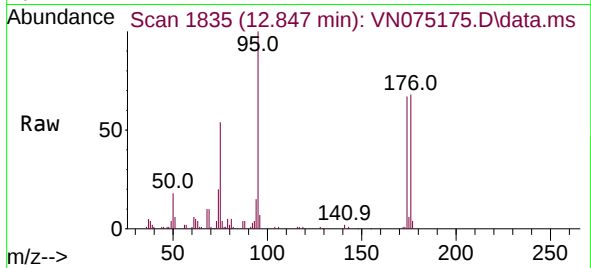




#71
Bromoform
Concen: 0.679 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

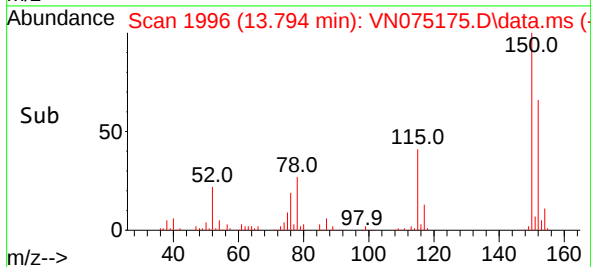
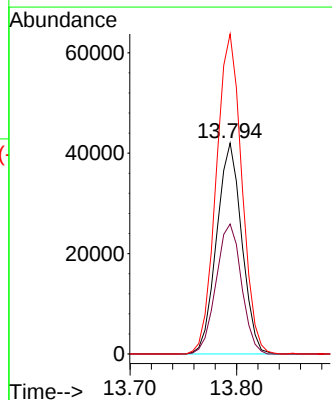
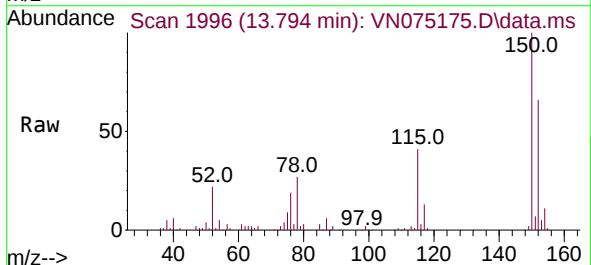
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

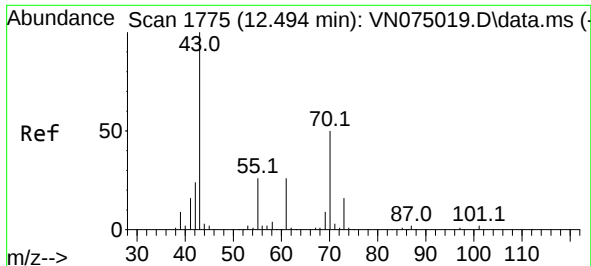
Tgt Ion:173 Resp: 704
Ion Ratio Lower Upper
173 100
175 524.7 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Tgt Ion:152 Resp: 68673
Ion Ratio Lower Upper
152 100
115 62.4 30.2 90.6
150 154.7 0.0 348.4

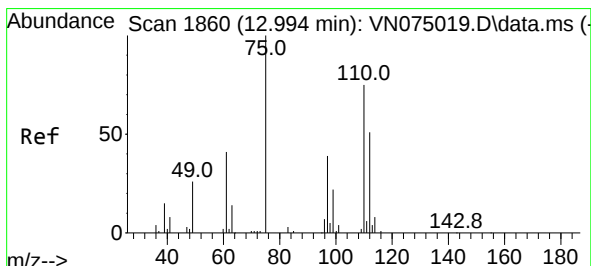
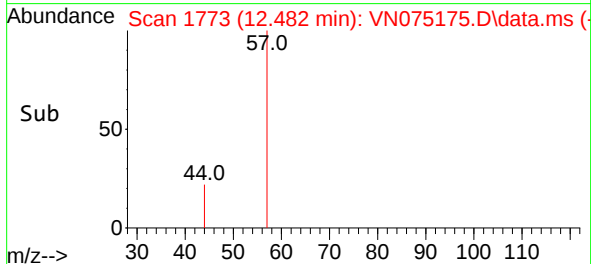
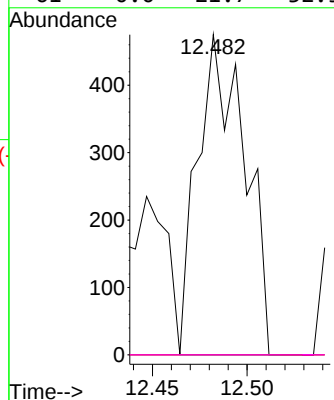
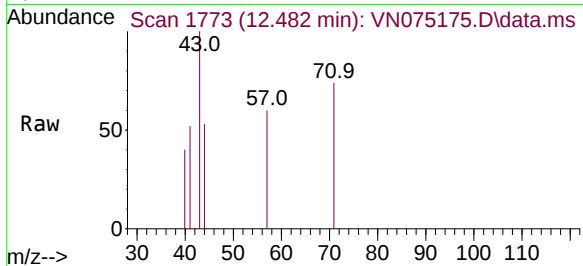




#74
N-amy1 acetate
Concen: 0.402 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

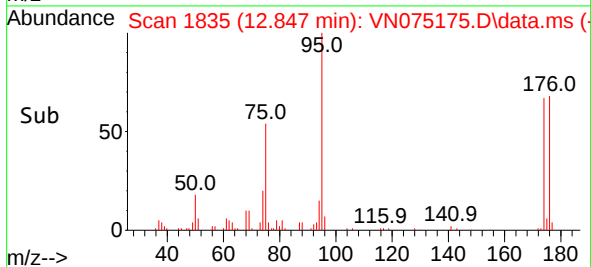
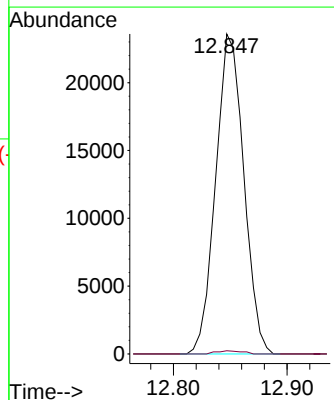
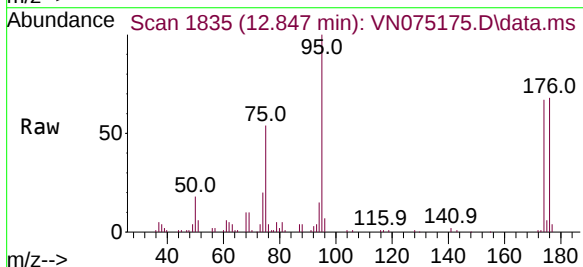
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04

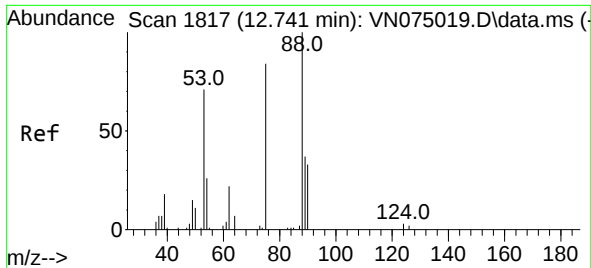
Tgt Ion: 43	Resp:	820
Ion Ratio	Lower	Upper
43 100		
70 0.0	39.8	59.8#
55 0.0	19.9	29.9#
61 0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 27.790 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

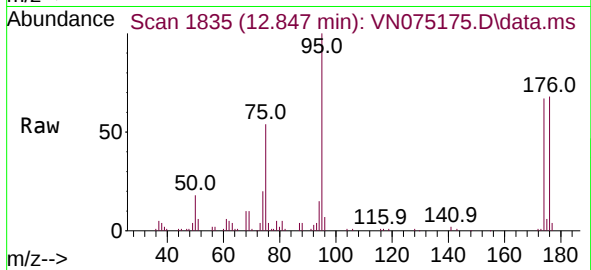
Tgt Ion:	75	Resp:	40521
Ion	Ratio	Lower	Upper
75	100		
77	0.9	75.6	226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.337 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075175.D
Acq: 04 Nov 2022 15:21

Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#04



Tgt Ion: 75 Resp: 40521
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

