

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075113.D
 Acq On : 02 Nov 2022 13:39
 Operator : JC\MD
 Sample : PB148713TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148713TB

Quant Time: Nov 03 04:15:56 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)

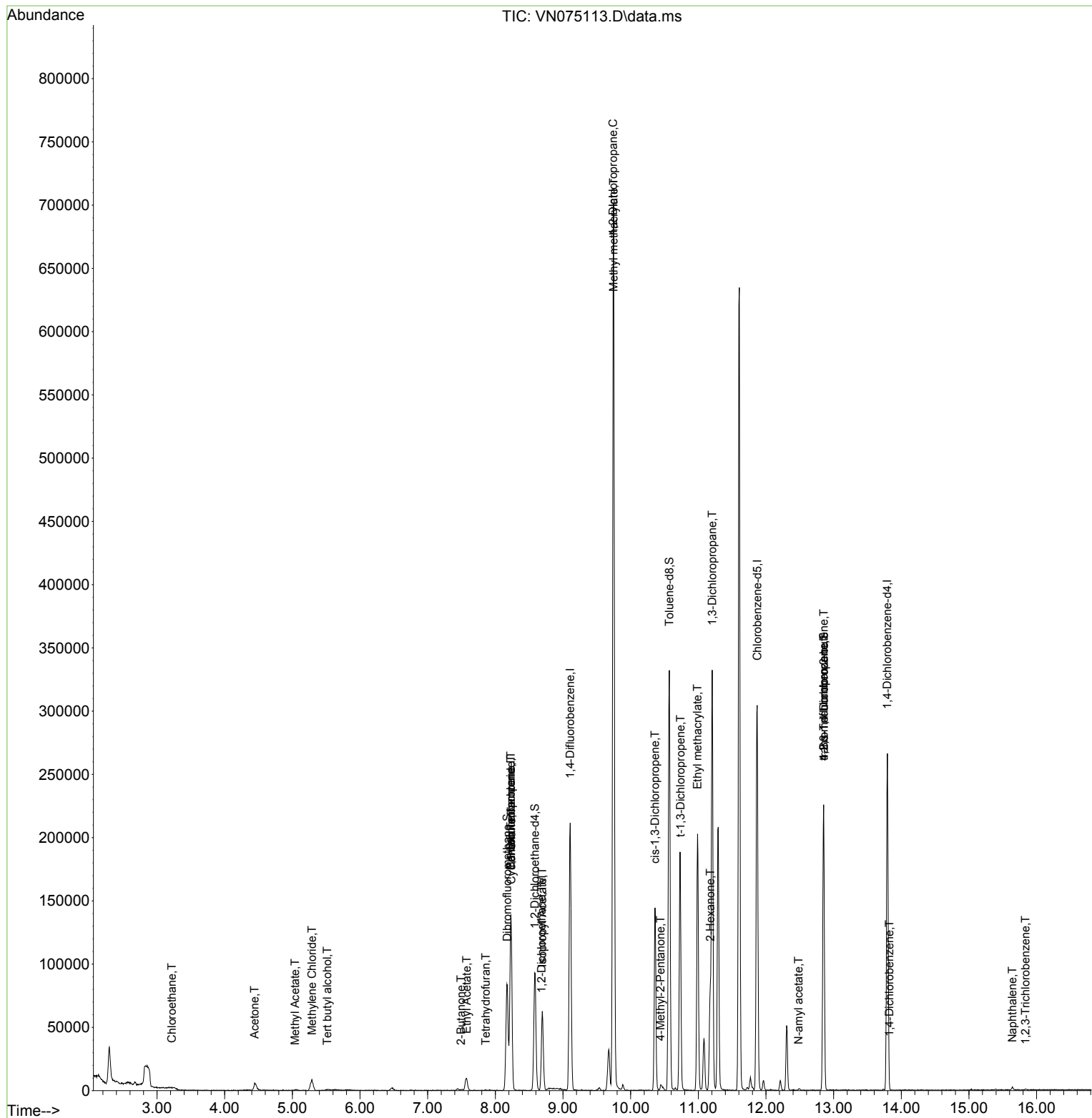
Internal Standards						
1) Pentafluorobenzene	8.229	168	98527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	184652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	174212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	66706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	76923	57.944	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.880%			
35) Dibromofluoromethane	8.177	113	59816	55.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.360%			
50) Toluene-d8	10.570	98	230922	54.908	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.820%			
62) 4-Bromofluorobenzene	12.853	95	75682	51.228	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.460%			
Target Compounds						Qvalue
5) Bromomethane	2.947	94	290	Below Cal		81
6) Chloroethane	3.218	64	725	0.521 ug/l #		45
11) Tert butyl alcohol	5.518	59	171	0.552 ug/l #		72
16) Acetone	4.441	43	10939	19.461 ug/l		90
18) Methyl Acetate	5.041	43	844	0.460 ug/l #		61
20) Methylene Chloride	5.288	84	6300	5.027 ug/l		94
25) 2-Butanone	7.494	43	1450	1.640 ug/l		98
29) Tetrahydrofuran	7.859	42	320	0.560 ug/l #		26
31) Cyclohexane	8.235	56	2602	1.318 ug/l #		63
36) 1,1-Dichloropropene	8.229	75	8820	5.256 ug/l #		48
37) Ethyl Acetate	7.577	43	14727	8.002 ug/l		96
38) Carbon Tetrachloride	8.229	117	10836	5.870 ug/l #		17
42) 1,2-Dichloroethane	8.682	62	512	0.274 ug/l #		75
43) Isopropyl Acetate	8.694	43	66582	23.323 ug/l #		90
45) 1,2-Dichloropropane	9.741	63	1048	0.857 ug/l #		42
48) Methyl methacrylate	9.747	41	62770	47.933 ug/l #		35
51) 4-Methyl-2-Pentanone	10.441	43	3563	1.934 ug/l #		78
53) t-1,3-Dichloropropene	10.735	75	458	0.235 ug/l #		43
54) cis-1,3-Dichloropropene	10.359	75	26569	12.864 ug/l #		66
56) Ethyl methacrylate	10.988	69	554	0.267 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	3747	1.652 ug/l #		42
59) 2-Hexanone	11.176	43	55030	39.358 ug/l #		21
74) N-amyl acetate	12.482	43	564	0.285 ug/l #		38
76) 1,2,3-Trichloropropane	12.853	75	42775	30.201 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	42775	77.526 ug/l #		10
88) 1,4-Dichlorobenzene	13.823	146	509	0.223 ug/l #		25
95) Naphthalene	15.641	128	2572	0.677 ug/l #		85
96) 1,2,3-Trichlorobenzene	15.835	180	301	0.307 ug/l #		40

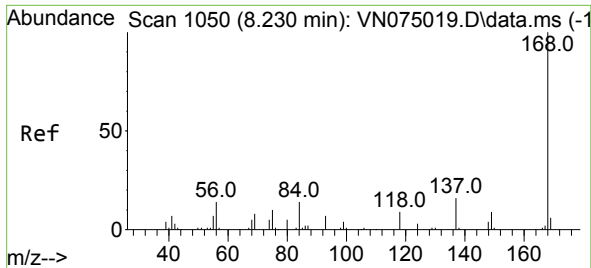
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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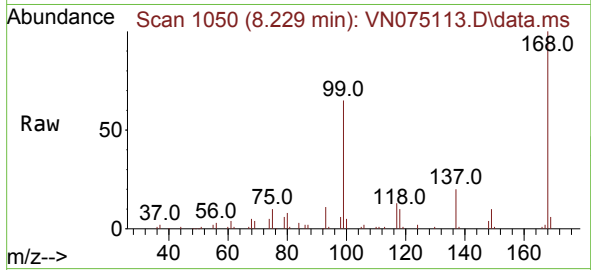
Quant Time: Nov 03 04:15:56 2022
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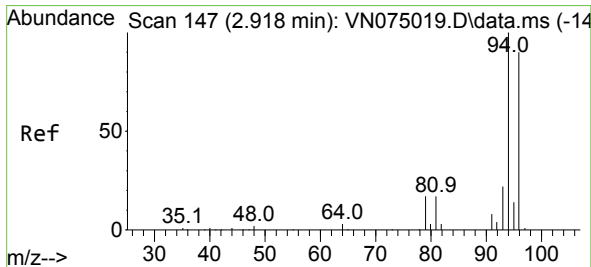
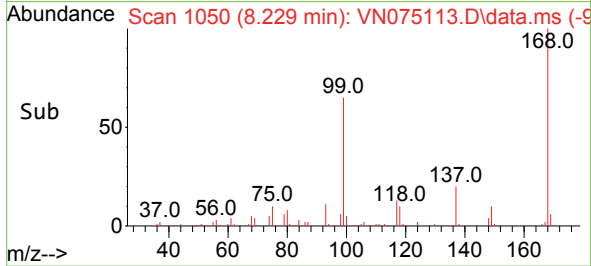
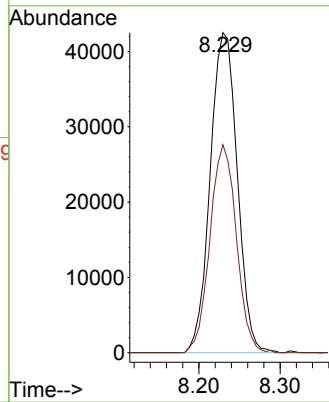


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

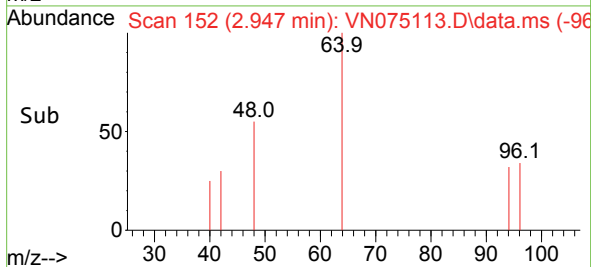
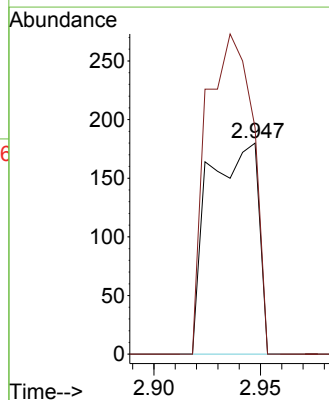
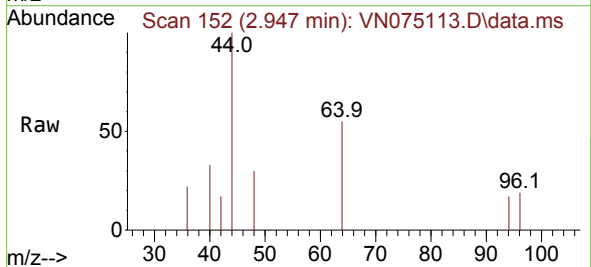


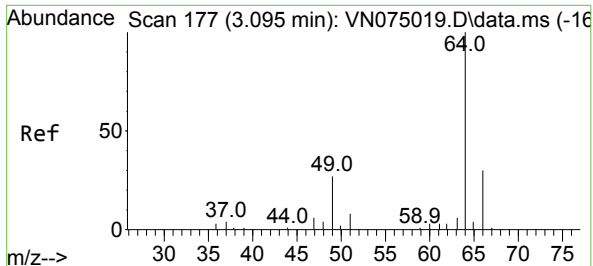
Tgt Ion:168 Resp: 98527
Ion Ratio Lower Upper
168 100
99 65.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.947 min Scan# 152
Delta R.T. 0.029 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 107.2 71.8 107.6

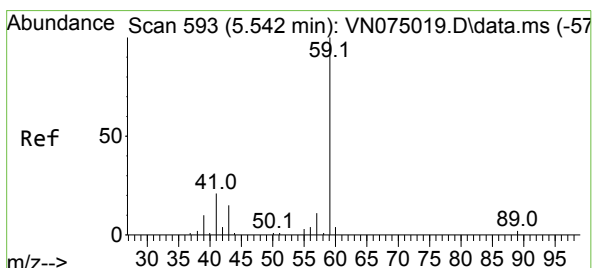
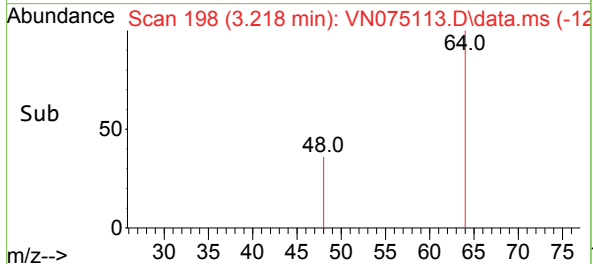
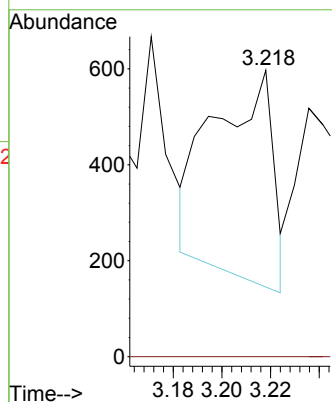
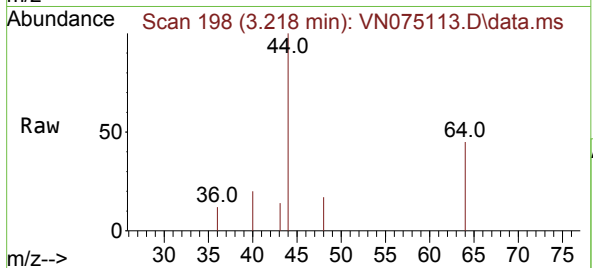




#6
Chloroethane
Concen: 0.521 ug/l
RT: 3.218 min Scan# 198
Delta R.T. 0.123 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

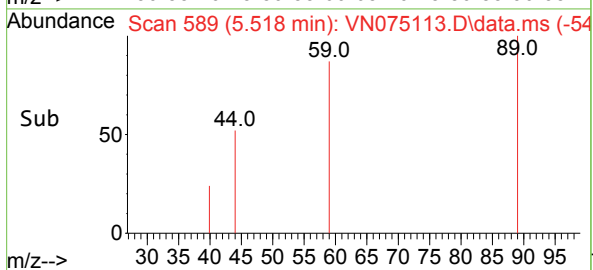
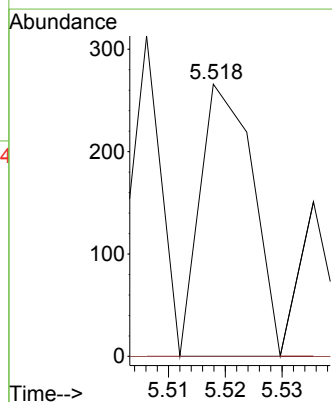
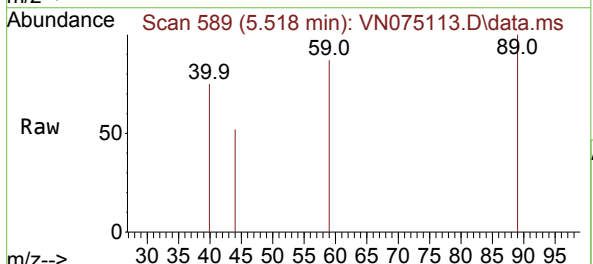
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

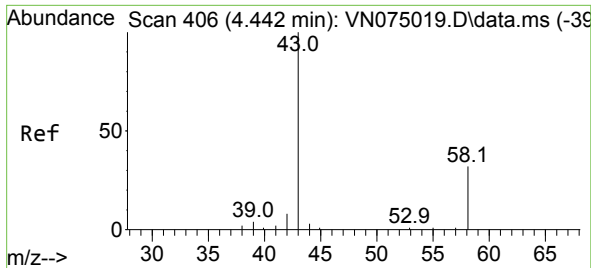
Tgt Ion: 64 Resp: 725
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.552 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

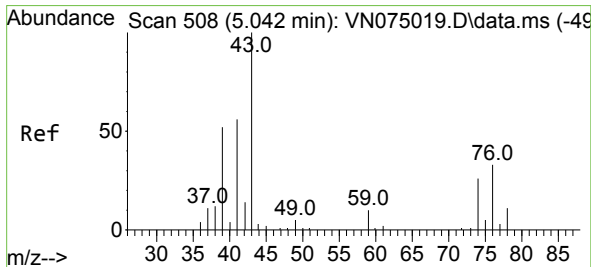
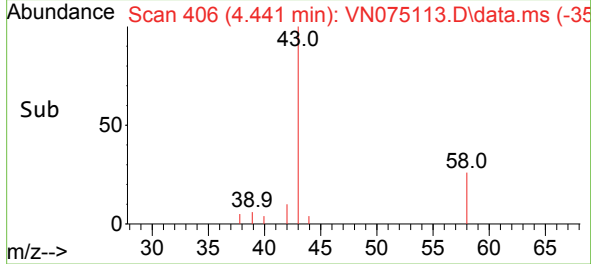
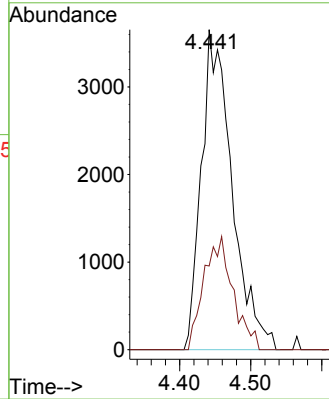
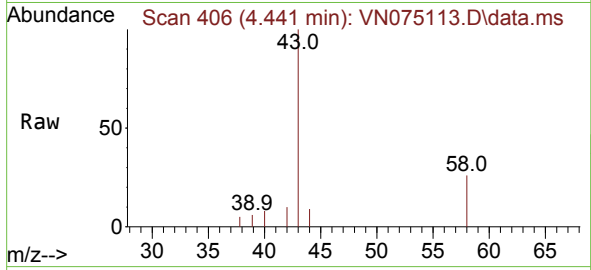




#16
Acetone
Concen: 19.461 ug/l
RT: 4.441 min Scan# 406
Delta R.T. -0.001 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

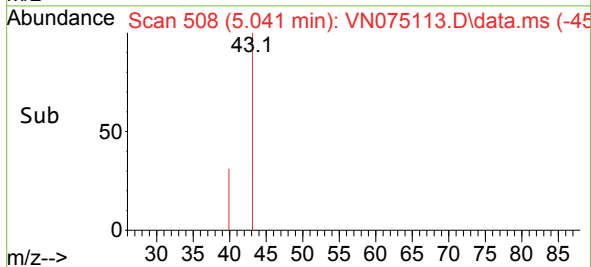
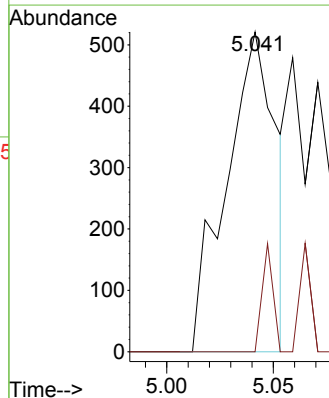
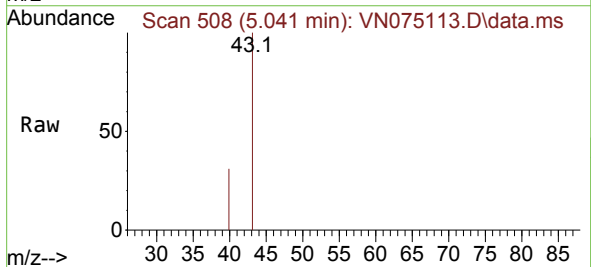
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

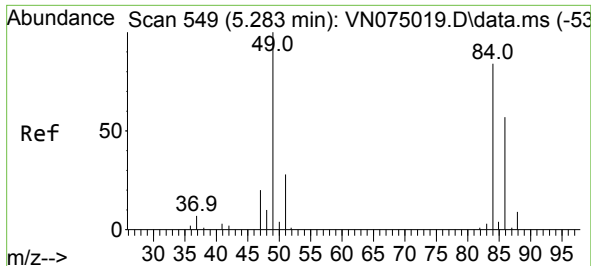
Tgt Ion: 43 Resp: 10939
Ion Ratio Lower Upper
43 100
58 26.1 25.5 38.3



#18
Methyl Acetate
Concen: 0.460 ug/l
RT: 5.041 min Scan# 508
Delta R.T. -0.001 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 43 Resp: 844
Ion Ratio Lower Upper
43 100
74 7.3 22.0 33.0#

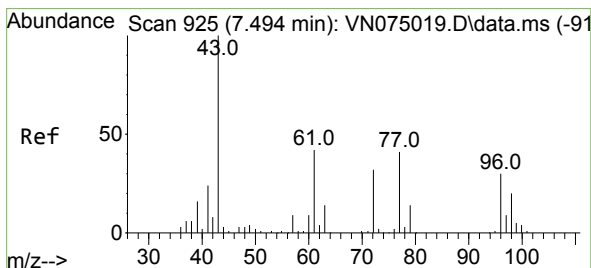
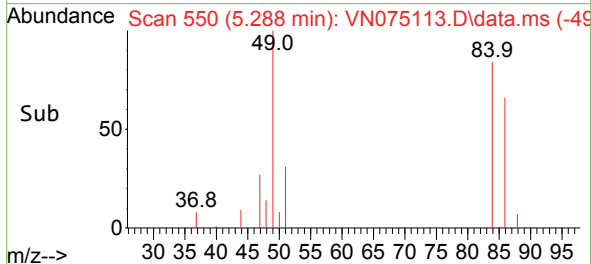
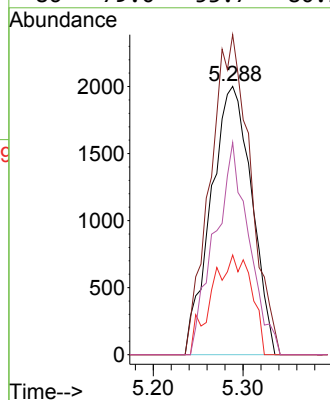
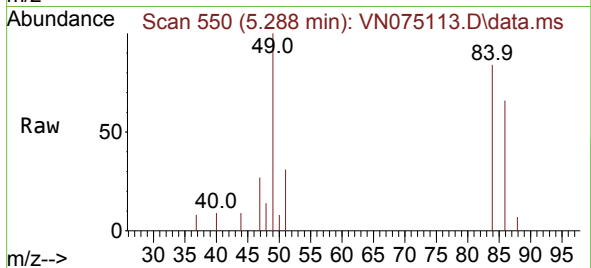




#20
Methylene Chloride
Concen: 5.027 ug/l
RT: 5.288 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

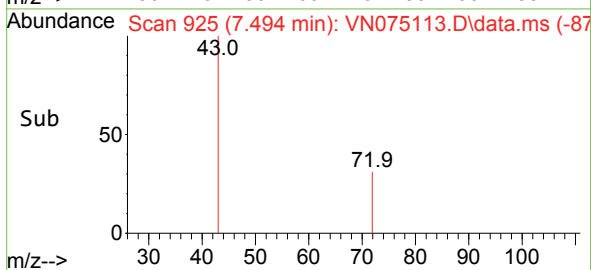
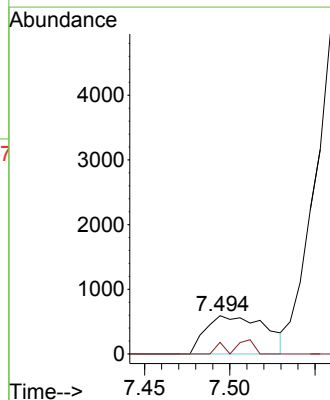
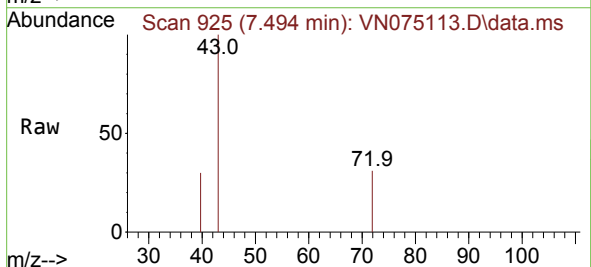
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

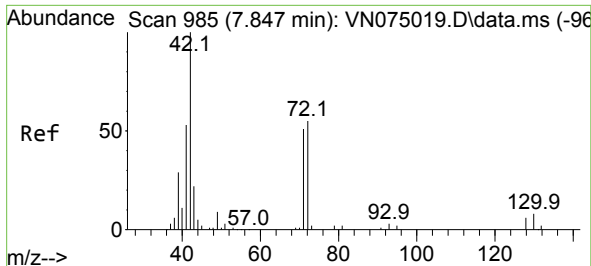
Tgt Ion:	84	Resp:	6300
Ion	Ratio	Lower	Upper
84	100		
49	119.2	94.9	142.3
51	37.1	26.8	40.2
86	79.0	53.7	80.5



#25
2-Butanone
Concen: 1.640 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion:	43	Resp:	1450
Ion	Ratio	Lower	Upper
43	100		
72	30.6	25.5	38.3





#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075113.D

Acq: 02 Nov 2022 13:39

Instrument :

MSVOA_N

ClientSampleId :

PB148713TB

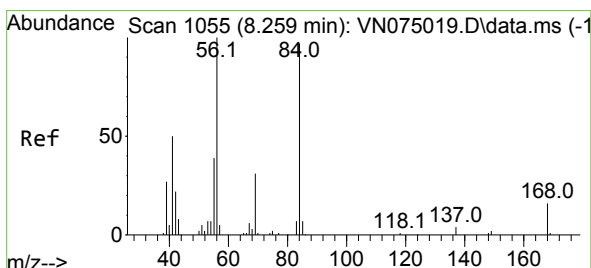
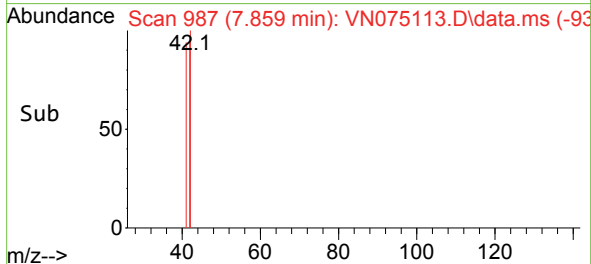
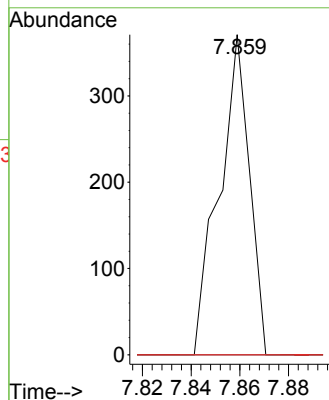
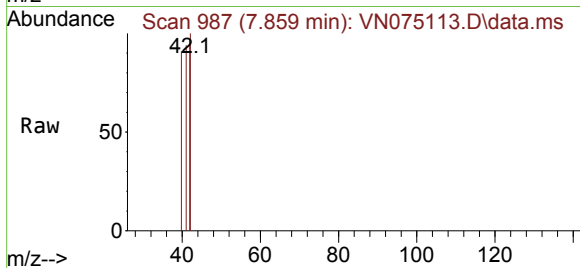
Tgt Ion: 42 Resp: 320

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.318 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.024 min

Lab File: VN075113.D

Acq: 02 Nov 2022 13:39

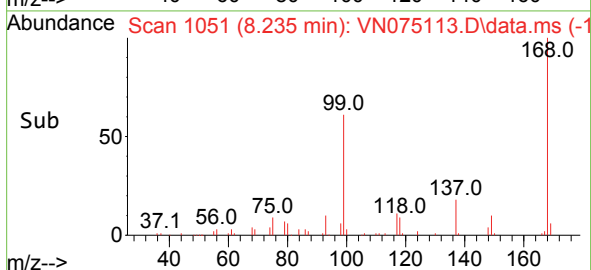
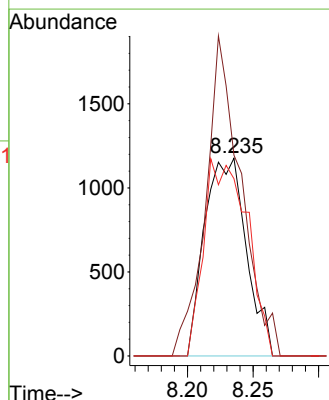
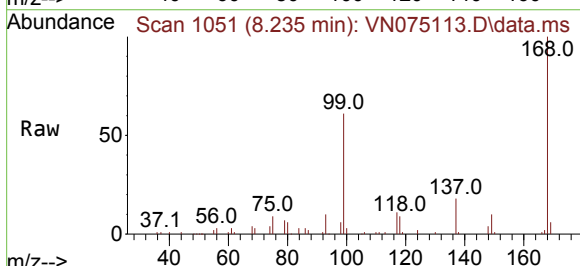
Tgt Ion: 56 Resp: 2602

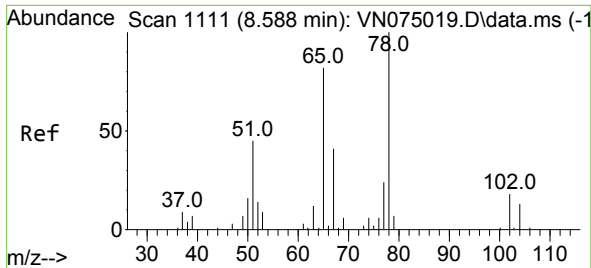
Ion Ratio Lower Upper

56 100

69 101.5 25.2 37.8#

84 89.6 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 57.944 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075113.D

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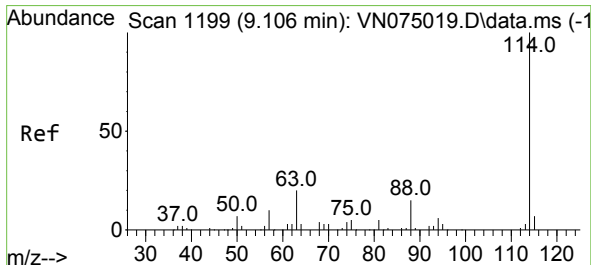
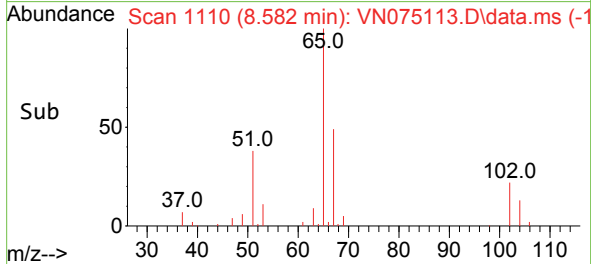
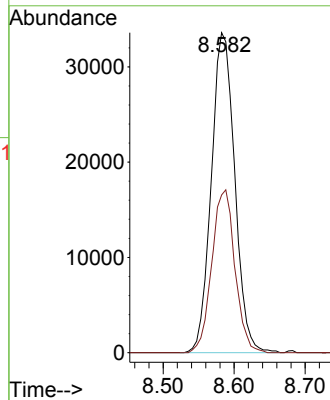
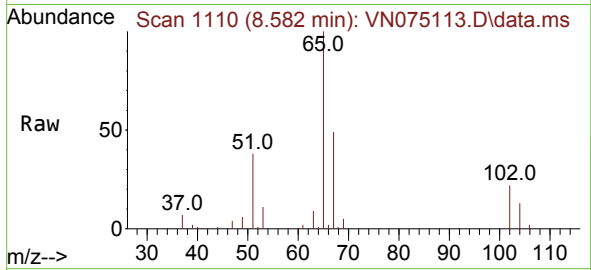
PB148713TB

Tgt Ion: 65 Resp: 76923

Ion Ratio Lower Upper

65 100

67 50.2 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: VN075113.D

Acq: 02 Nov 2022 13:39

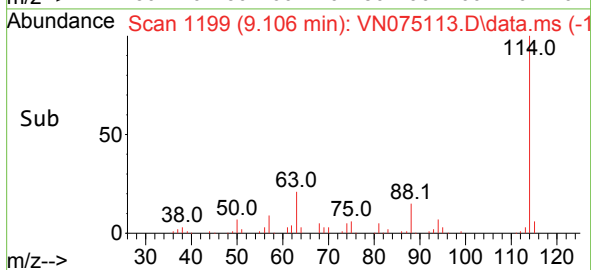
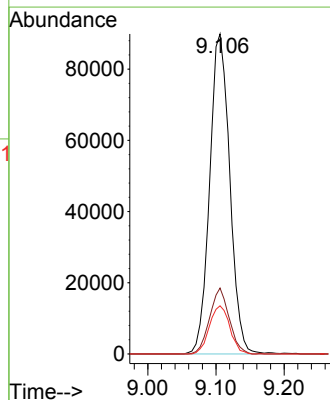
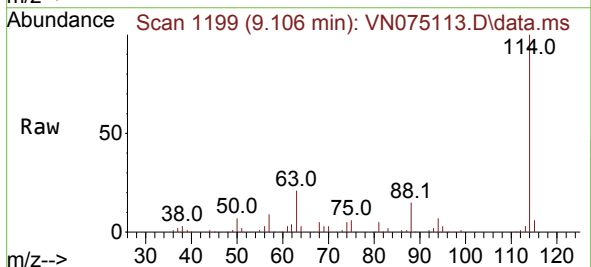
Tgt Ion:114 Resp: 184652

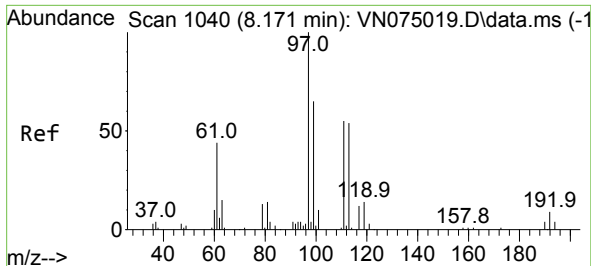
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 15.1 0.0 29.0

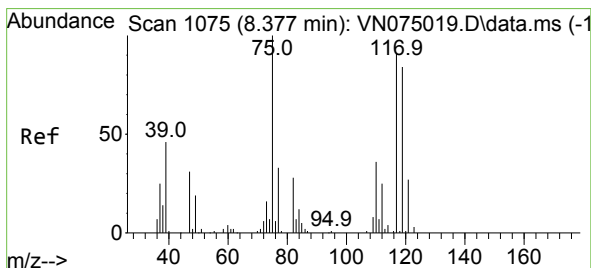
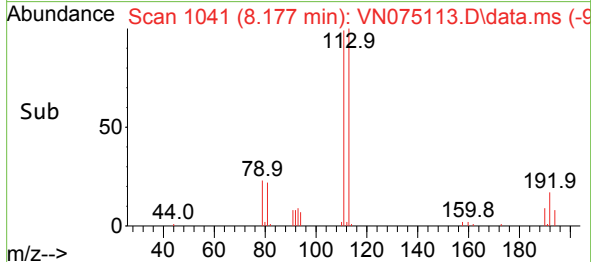
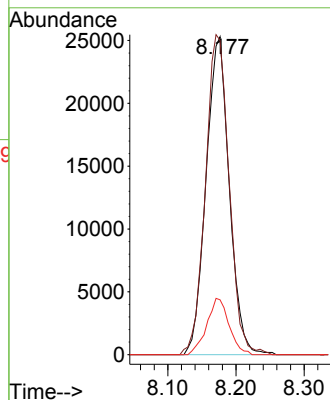
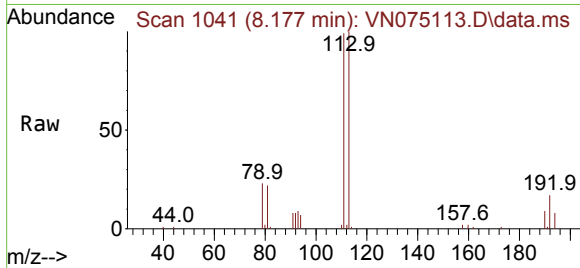




#35
Dibromofluoromethane
Concen: 55.181 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

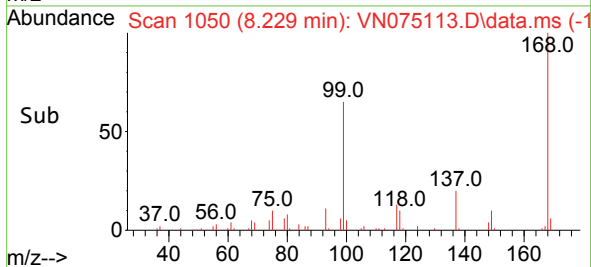
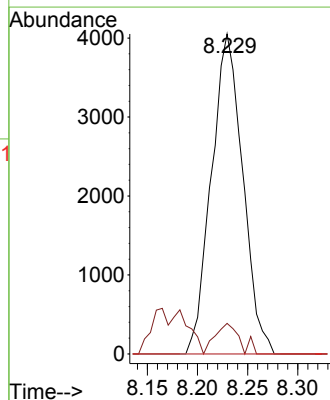
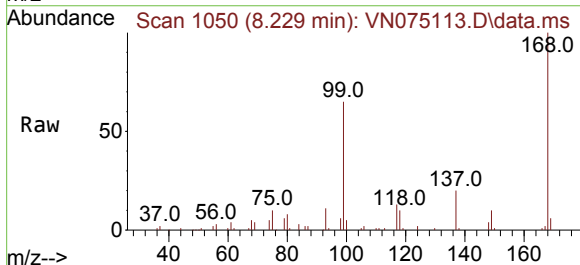
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

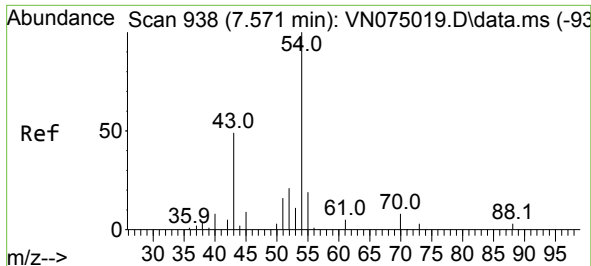
Tgt Ion:113 Resp: 59816
Ion Ratio Lower Upper
113 100
111 102.7 80.5 120.7
192 17.0 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.256 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 75 Resp: 8820
Ion Ratio Lower Upper
75 100
110 7.5 17.8 53.3#
77 0.0 24.6 37.0#

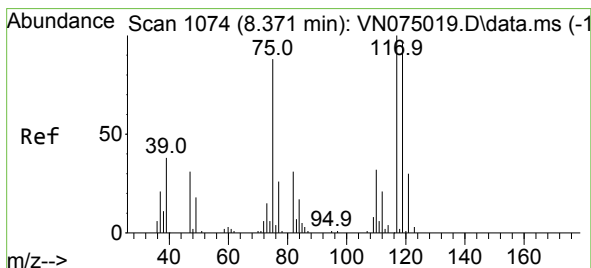
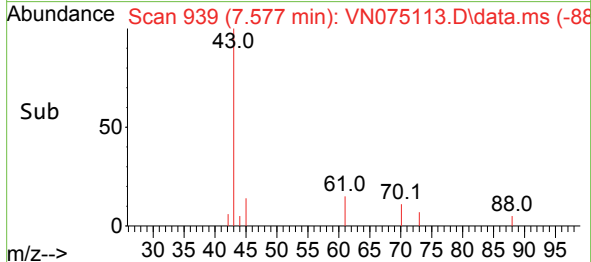
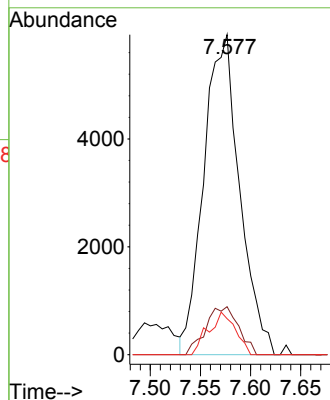
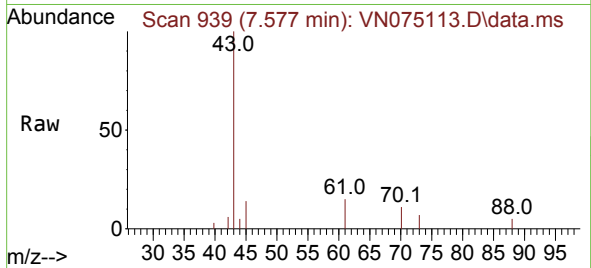




#37
Ethyl Acetate
Concen: 8.002 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

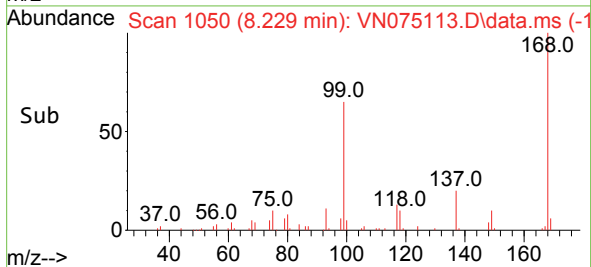
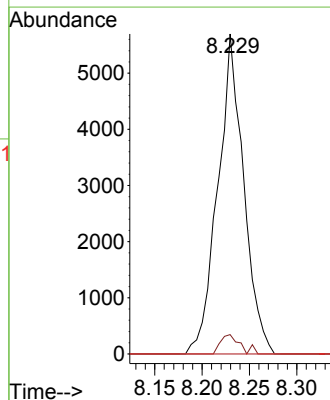
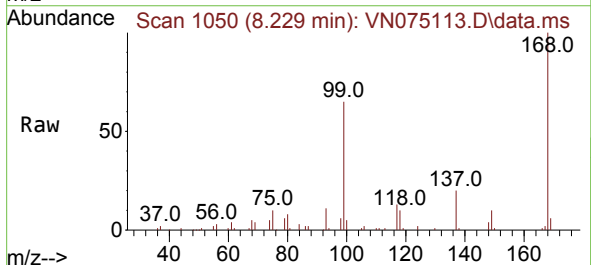
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

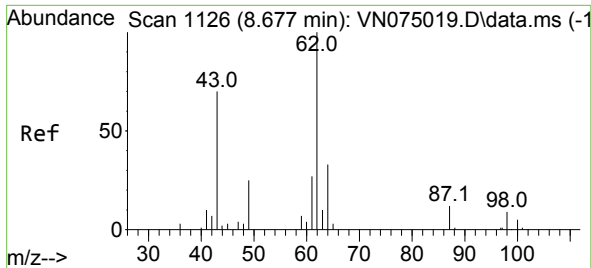
Tgt Ion:	43	Resp:	14727
Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.2	18.4
70	10.0	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion:	117	Resp:	10836
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.274 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN075113.D

Acq: 02 Nov 2022 13:39

Instrument :

MSVOA_N

ClientSampleId :

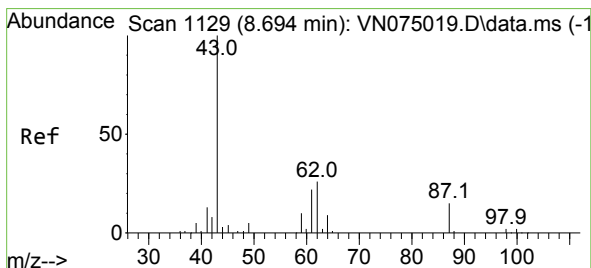
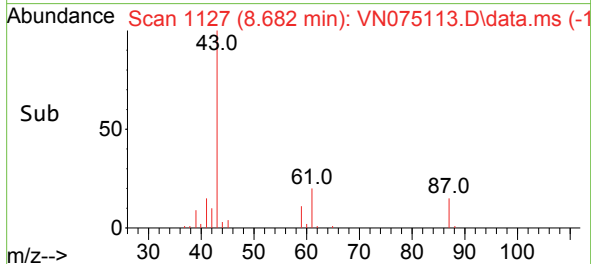
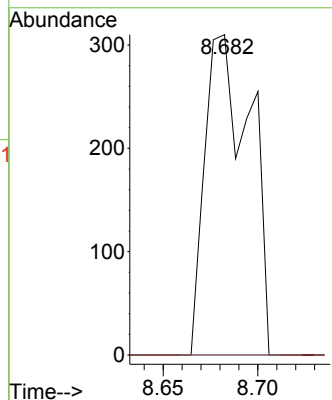
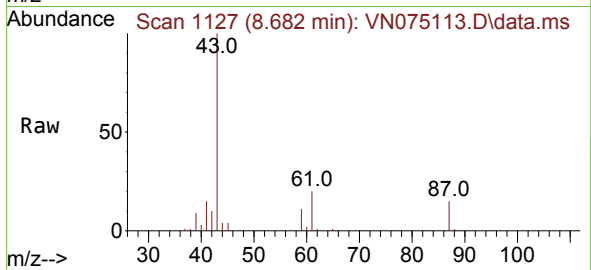
PB148713TB

Tgt Ion: 62 Resp: 512

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 23.323 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075113.D

Acq: 02 Nov 2022 13:39

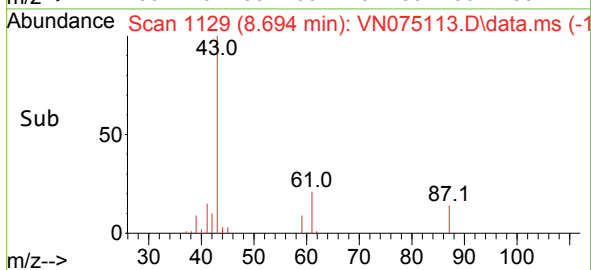
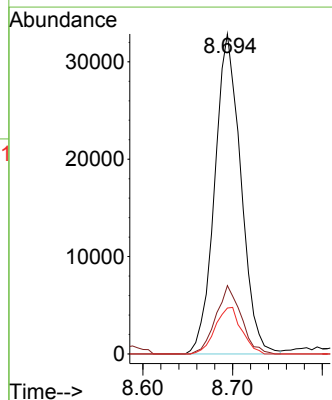
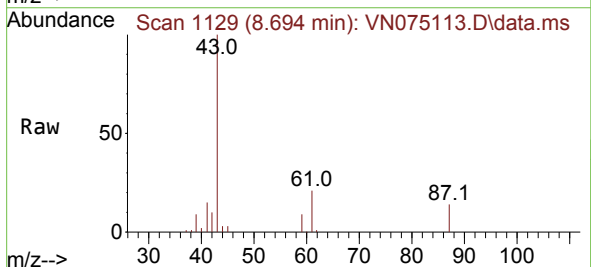
Tgt Ion: 43 Resp: 66582

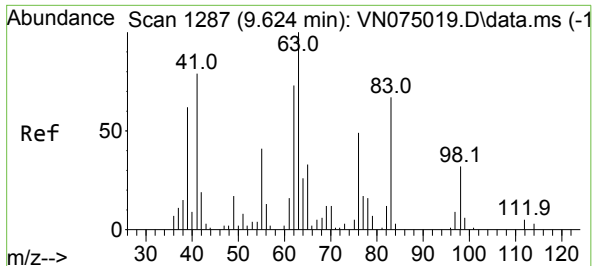
Ion Ratio Lower Upper

43 100

61 20.6 22.4 33.6#

87 14.6 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.857 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075113.D

Acq: 02 Nov 2022 13:39

Instrument :

MSVOA_N

ClientSampleId :

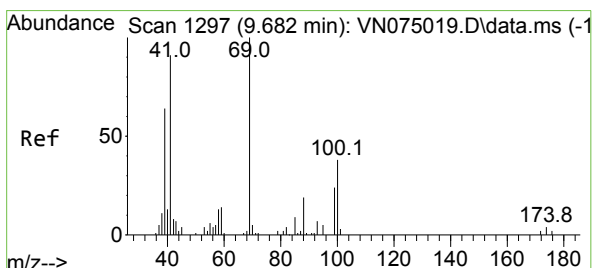
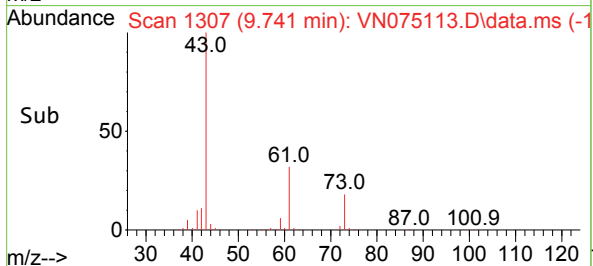
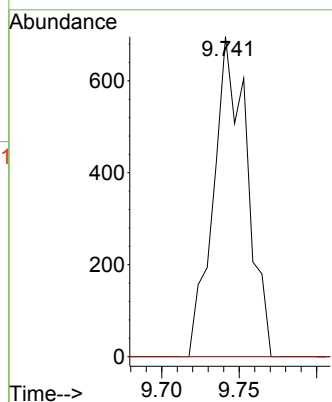
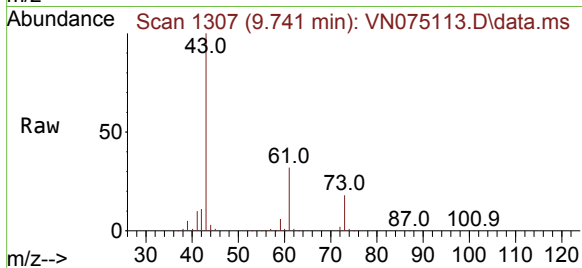
PB148713TB

Tgt Ion: 63 Resp: 1048

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 47.933 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN075113.D

Acq: 02 Nov 2022 13:39

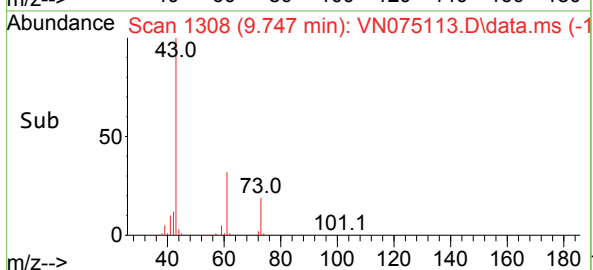
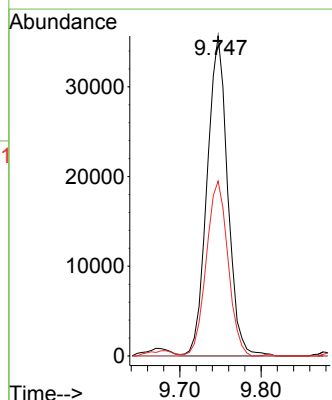
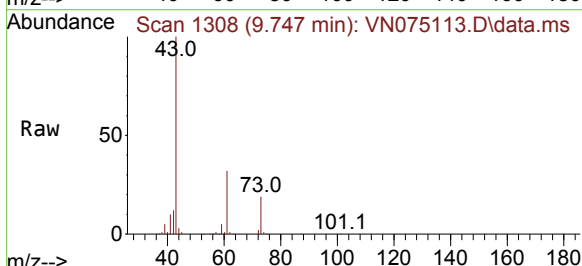
Tgt Ion: 41 Resp: 62770

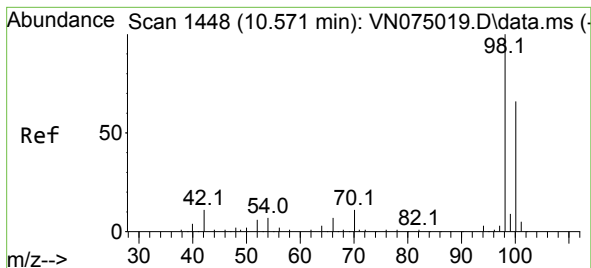
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 57.5 56.2 84.2

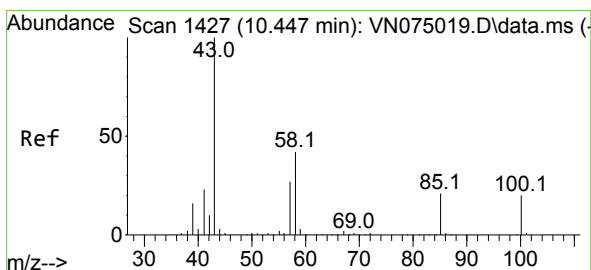
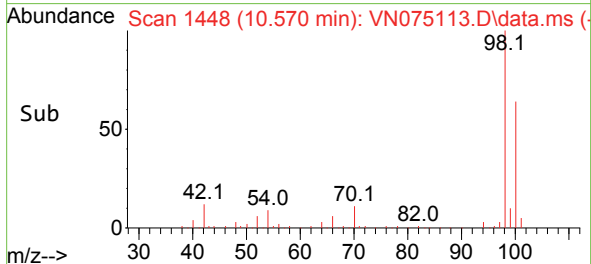
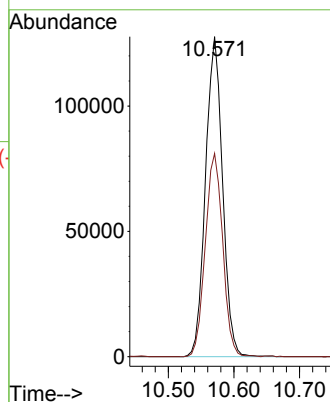
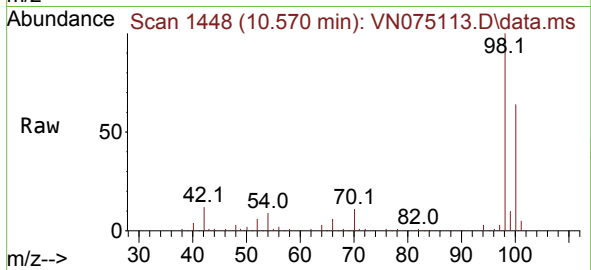




#50
Toluene-d8
Concen: 54.908 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

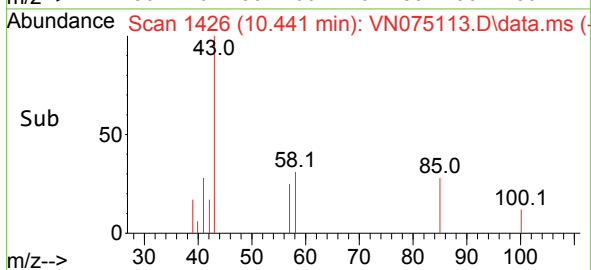
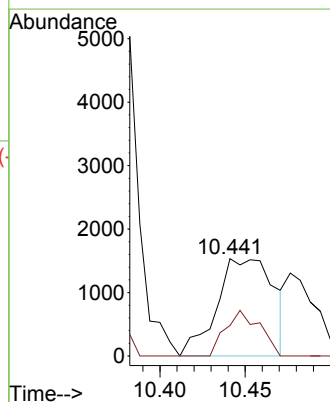
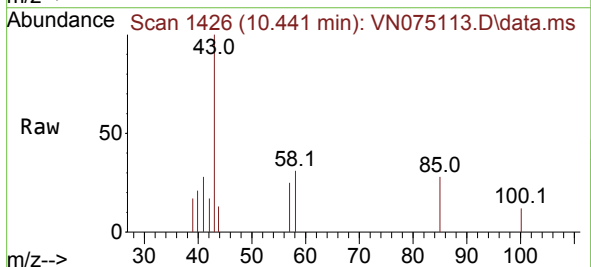
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

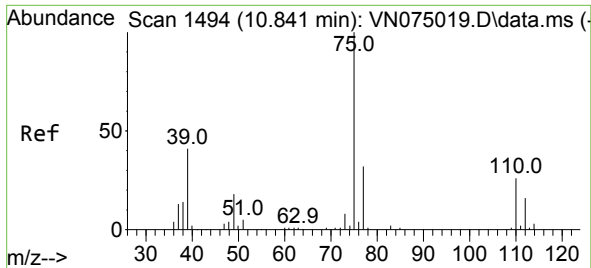
Tgt Ion: 98 Resp: 230922
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.934 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
58 28.2 33.6 50.4#

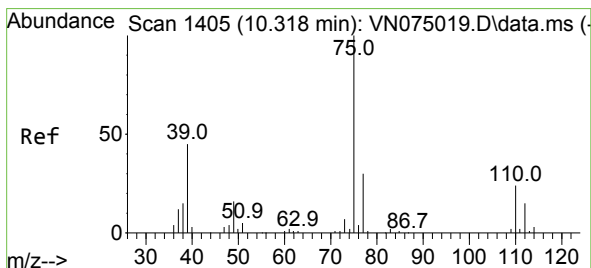
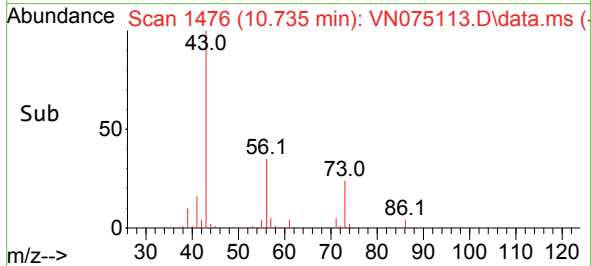
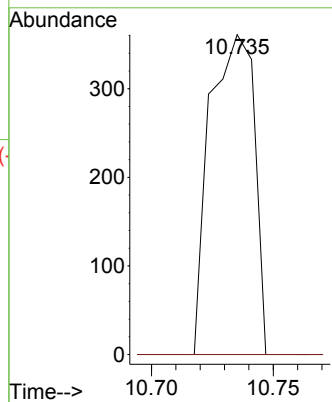
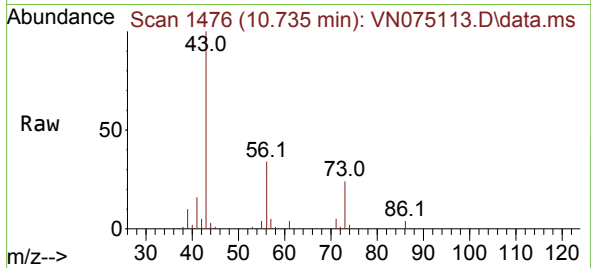




#53
t-1,3-Dichloropropene
Concen: 0.235 ug/l
RT: 10.735 min Scan# 1411
Delta R.T. -0.106 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

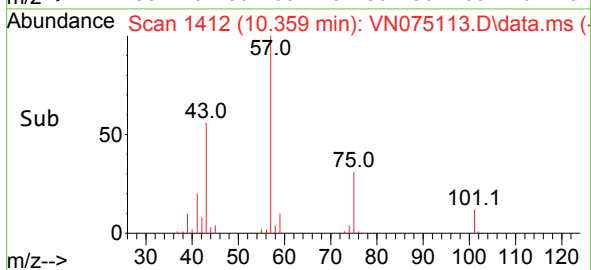
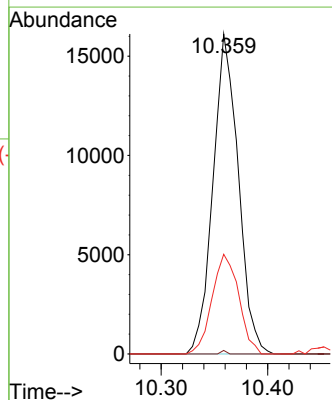
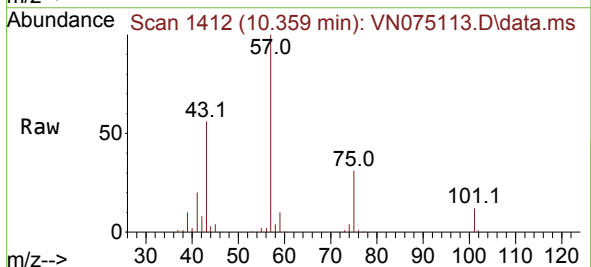
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

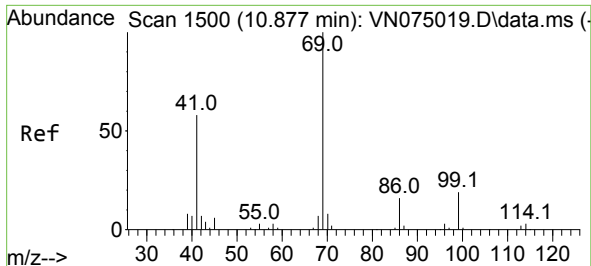
Tgt Ion: 75 Resp: 458
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 12.864 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 75 Resp: 26569
Ion Ratio Lower Upper
75 100
77 1.1 23.7 35.5#
39 31.2 35.8 53.6#

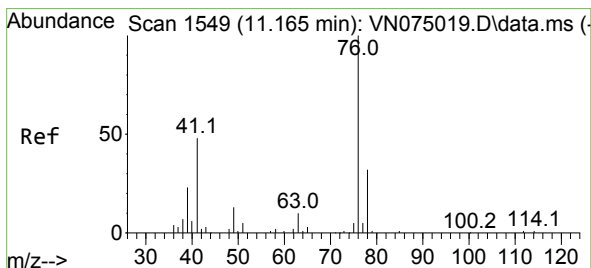
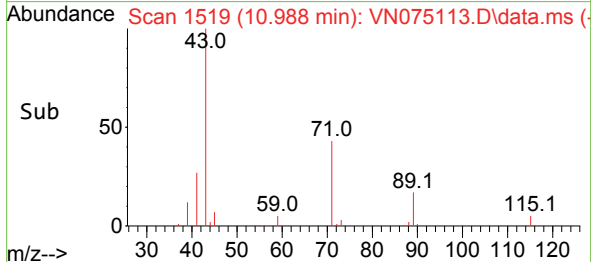
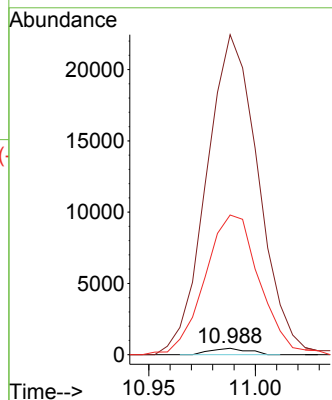
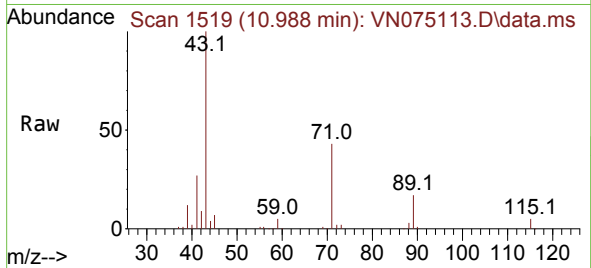




#56
 Ethyl methacrylate
 Concen: 0.267 ug/l
 RT: 10.988 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN075113.D
 Acq: 02 Nov 2022 13:39

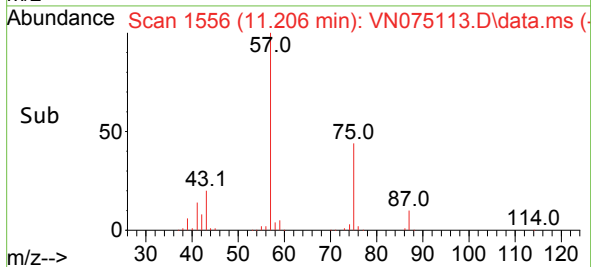
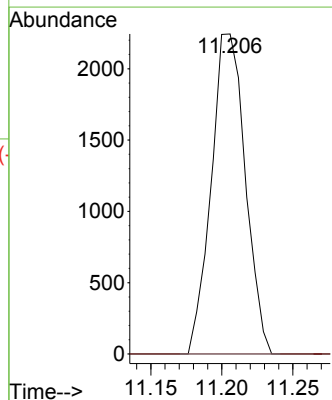
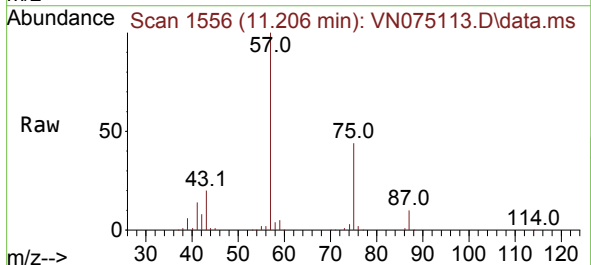
Instrument :
 MSVOA_N
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 PB148713TB

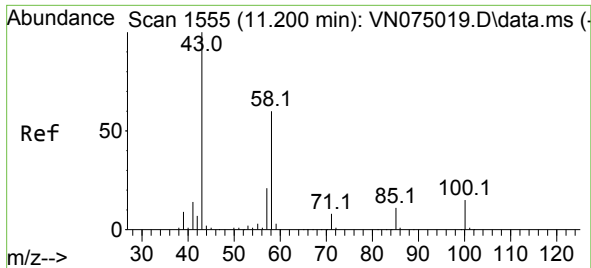
Tgt Ion: 69 Resp: 554
 Ion Ratio Lower Upper
 69 100
 41 6916.6 45.6 68.4#
 39 3164.3 28.5 42.7#



#57
 1,3-Dichloropropane
 Concen: 1.652 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN075113.D
 Acq: 02 Nov 2022 13:39

Tgt Ion: 76 Resp: 3747
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

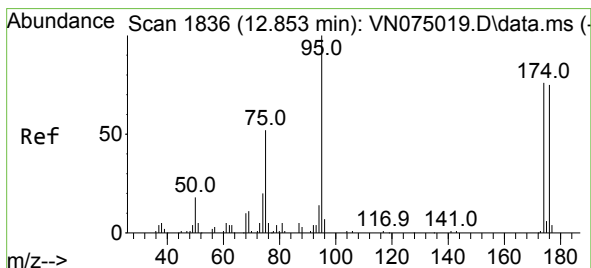
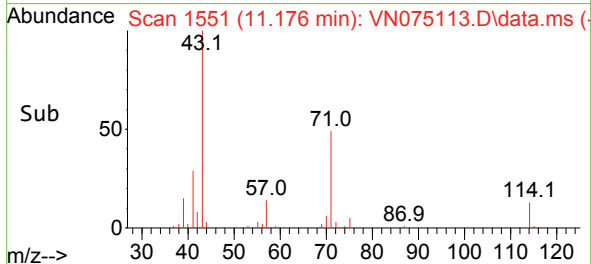
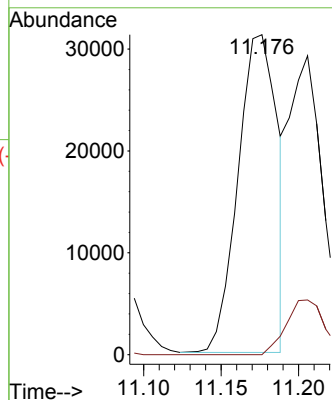
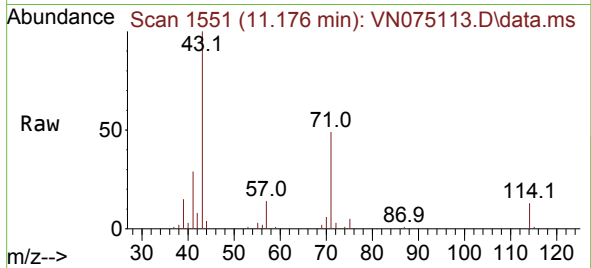




#59
2-Hexanone
Concen: 39.358 ug/l
RT: 11.176 min Scan# 1155
Delta R.T. -0.024 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

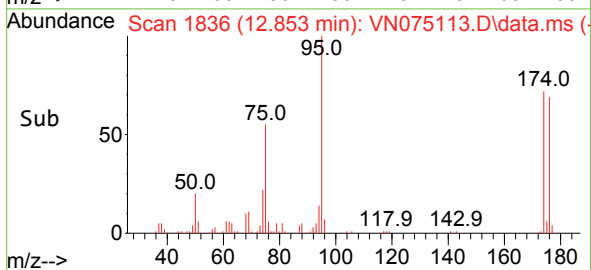
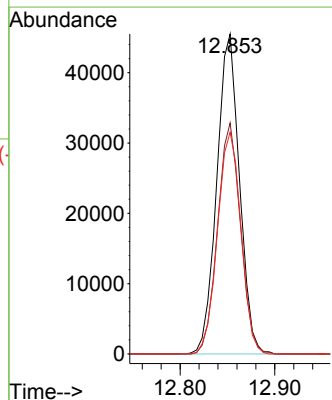
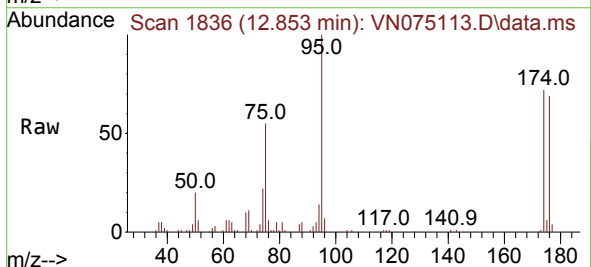
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

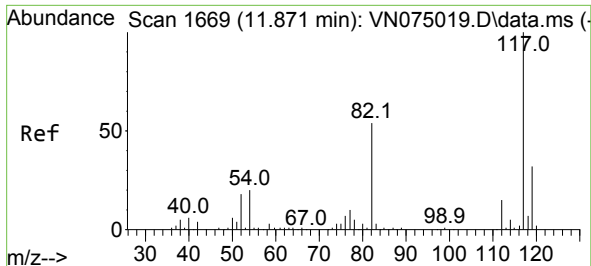
Tgt Ion: 43 Resp: 55030
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 51.228 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 95 Resp: 75682
Ion Ratio Lower Upper
95 100
174 72.9 0.0 147.4
176 71.7 0.0 142.2

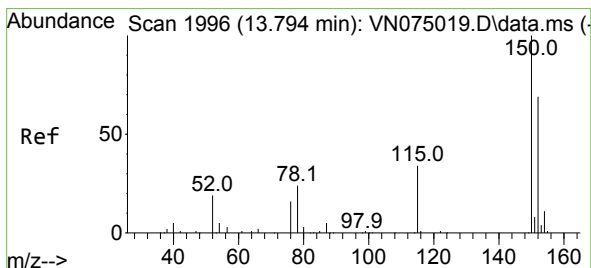
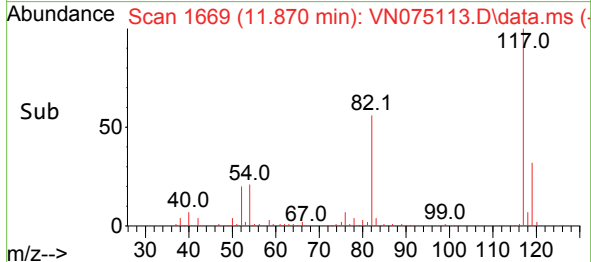
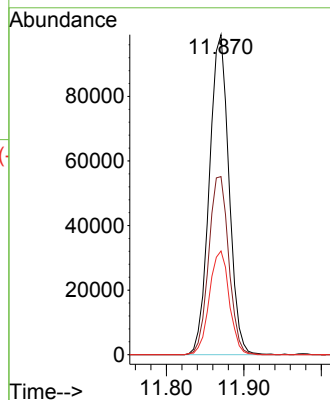
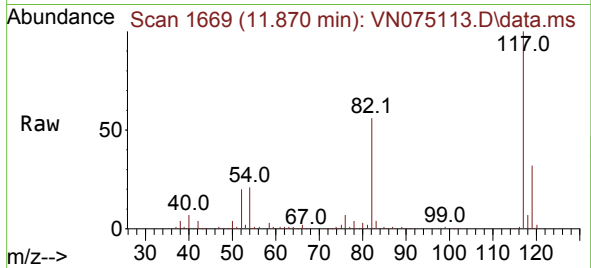




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

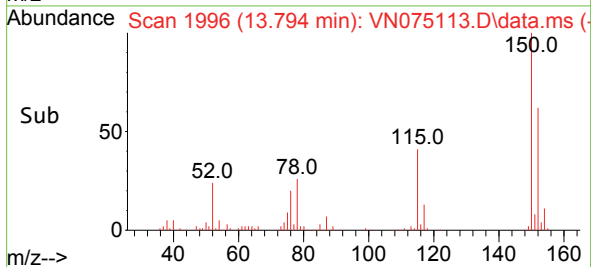
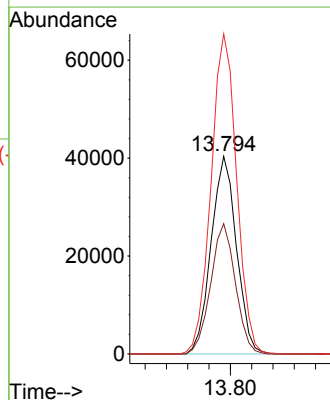
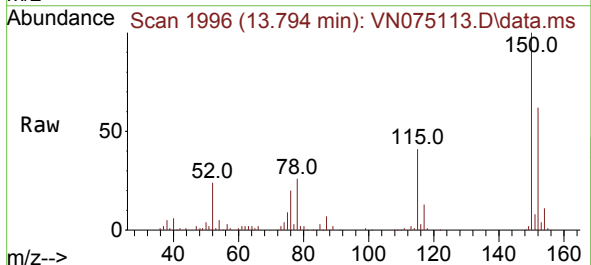
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

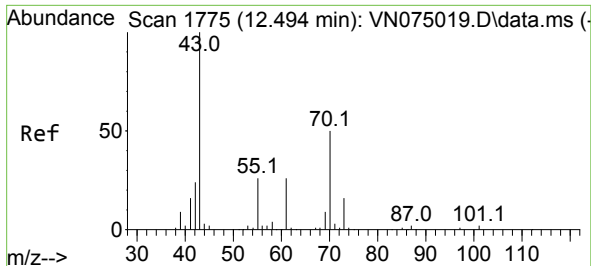
Tgt Ion:117 Resp: 174212
Ion Ratio Lower Upper
117 100
82 55.7 43.1 64.7
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion:152 Resp: 66706
Ion Ratio Lower Upper
152 100
115 64.2 30.2 90.6
150 163.0 0.0 348.4

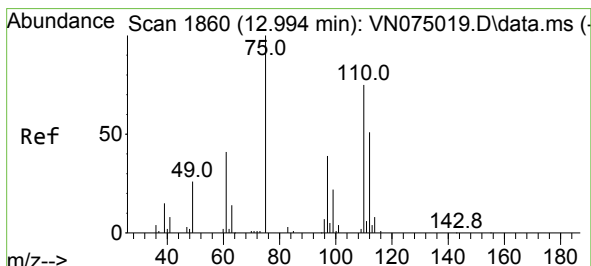
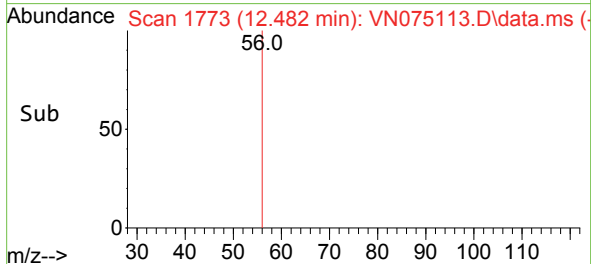
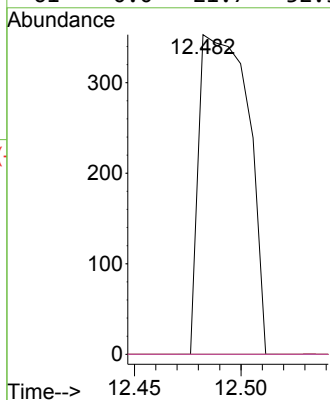
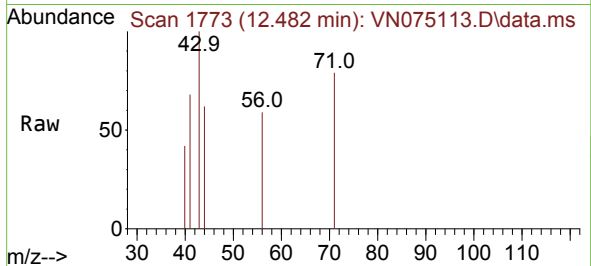




#74
N-amy1 acetate
Concen: 0.285 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

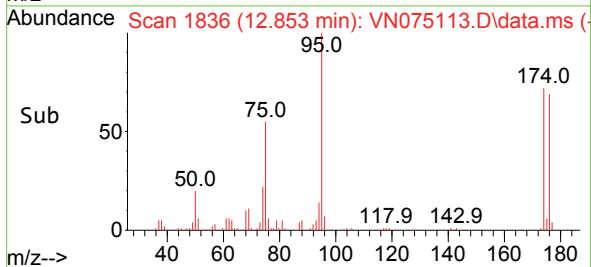
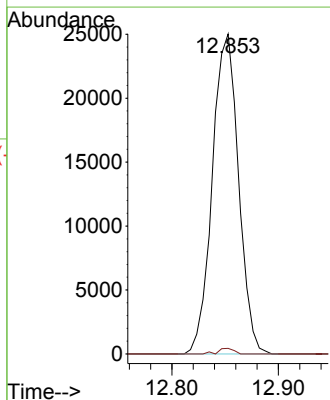
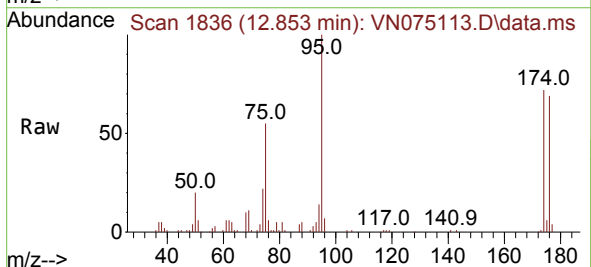
Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

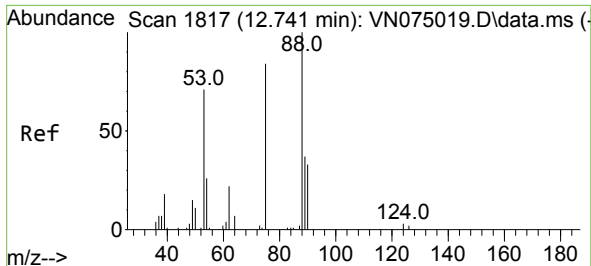
Tgt Ion: 43	Resp: 564
Ion Ratio	Lower Upper
43	100
70	0.0 39.8 59.8#
55	0.0 19.9 29.9#
61	0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 30.201 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion: 75	Resp: 42775
Ion Ratio	Lower Upper
75	100
77	1.1 75.6 226.8#

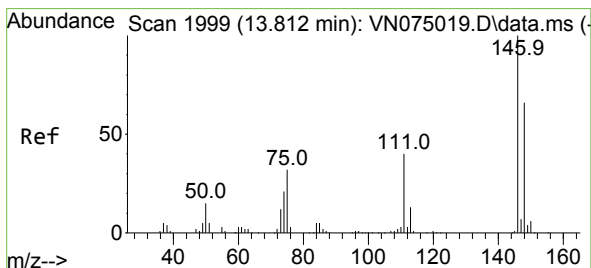
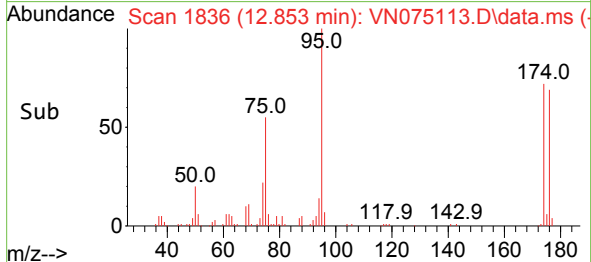
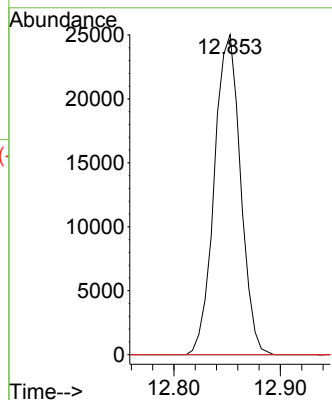
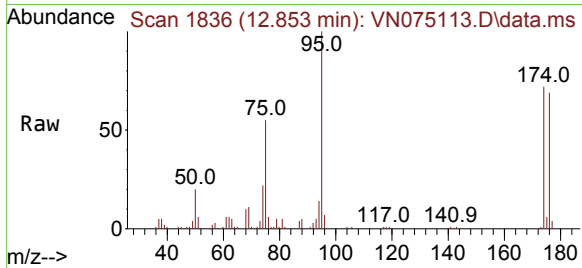




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.526 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075113.D
 Acq: 02 Nov 2022 13:39

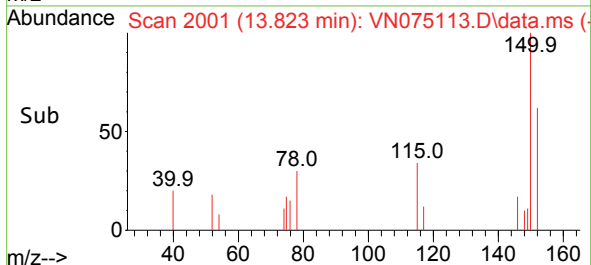
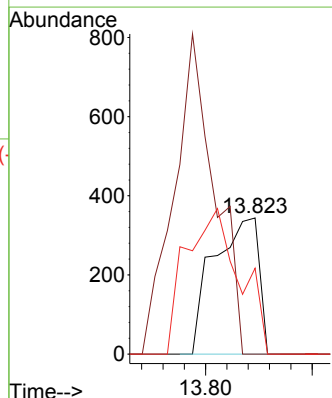
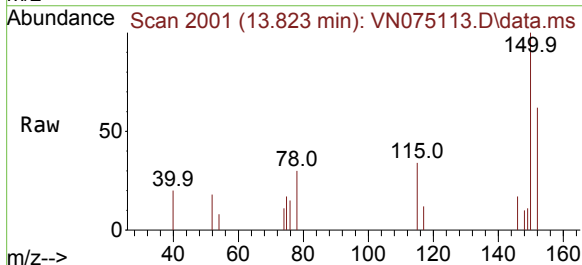
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148713TB

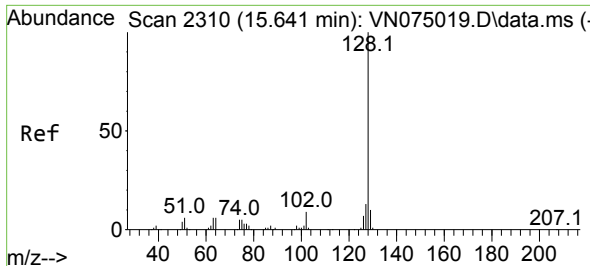
Tgt Ion: 75 Resp: 42775
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#



#88
 1,4-Dichlorobenzene
 Concen: 0.223 ug/l
 RT: 13.823 min Scan# 2001
 Delta R.T. 0.011 min
 Lab File: VN075113.D
 Acq: 02 Nov 2022 13:39

Tgt Ion: 146 Resp: 509
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.1 60.3#
 148 0.0 31.9 95.7#

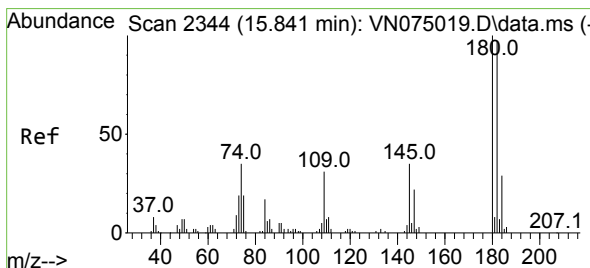
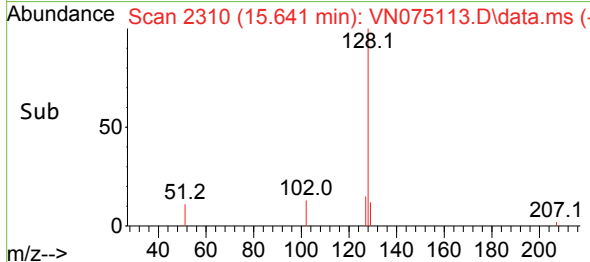
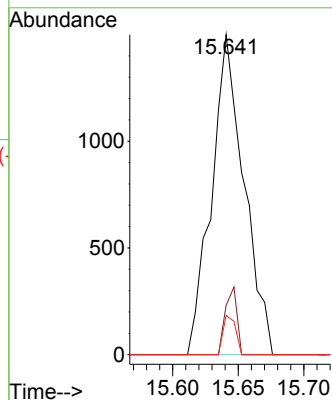
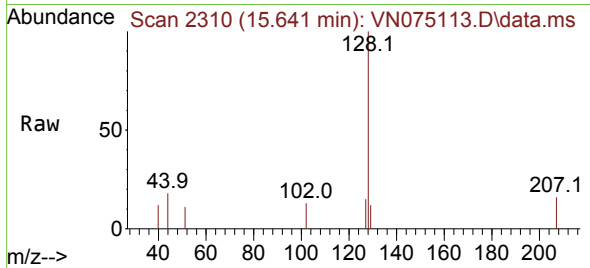




#95
Naphthalene
Concen: 0.677 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Instrument :
MSVOA_N
ClientSampleId :
PB148713TB

Tgt Ion:128 Resp: 2572
Ion Ratio Lower Upper
128 100
127 7.5 10.4 15.6#
129 4.7 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.307 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN075113.D
Acq: 02 Nov 2022 13:39

Tgt Ion:180 Resp: 301
Ion Ratio Lower Upper
180 100
182 152.5 47.3 141.8#
145 0.0 17.6 52.9#

