

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
 Data File : VN075294.D
 Acq On : 16 Nov 2022 17:39
 Operator : JC\MD
 Sample : PB149082ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 04:29:46 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)

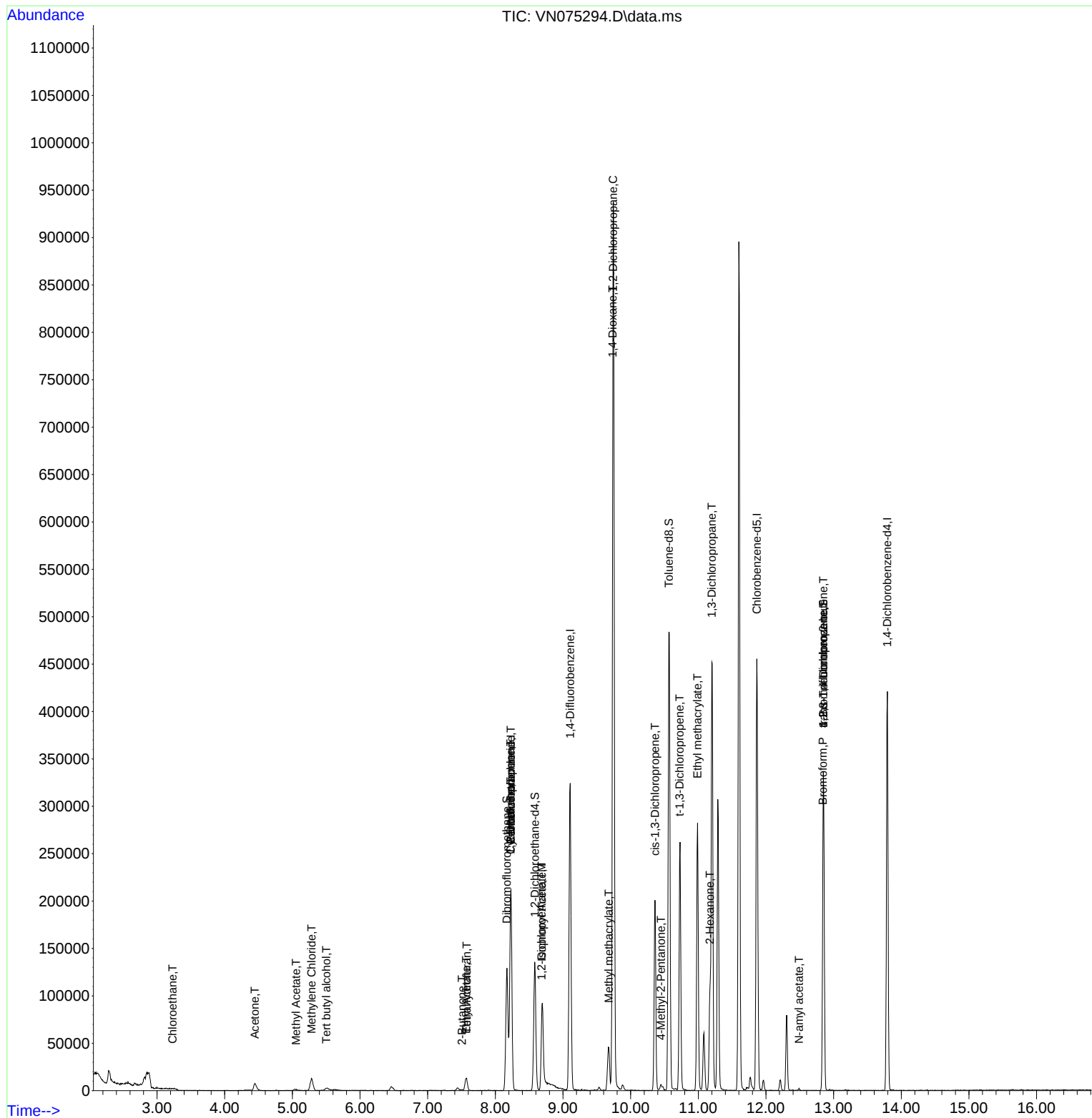
Internal Standards						
1) Pentafluorobenzene	8.229	168	158755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	108089	50.532	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.060%	
35) Dibromofluoromethane	8.171	113	91117	53.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.440%	
50) Toluene-d8	10.565	98	354943	53.436	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.880%	
62) 4-Bromofluorobenzene	12.847	95	116098	49.756	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.924	94	73	Below Cal	#	5
6) Chloroethane	3.230	64	1288	0.574	ug/l #	45
11) Tert butyl alcohol	5.500	59	1400	2.807	ug/l #	72
16) Acetone	4.447	43	14710	16.241	ug/l	98
18) Methyl Acetate	5.053	43	3324	1.124	ug/l #	55
20) Methylene Chloride	5.283	84	10390	5.145	ug/l	93
25) 2-Butanone	7.506	43	1623	1.139	ug/l #	87
29) Tetrahydrofuran	7.577	42	1044	1.134	ug/l #	26
31) Cyclohexane	8.224	56	3291	1.034	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	12291	4.637	ug/l #	51
37) Ethyl Acetate	7.571	43	20575	7.078	ug/l	99
38) Carbon Tetrachloride	8.229	117	16866	5.785	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	744	0.252	ug/l #	75
43) Isopropyl Acetate	8.688	43	107030	23.738	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1246	0.645	ug/l #	42
48) Methyl methacrylate	9.676	41	2725	1.318	ug/l #	34
49) 1,4-Dioxane	9.735	88	74	1.366	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3353	1.152	ug/l #	77
53) t-1,3-Dichloropropene	10.723	75	666	0.217	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	39158	12.004	ug/l #	63
56) Ethyl methacrylate	10.988	69	685	0.209	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5069	1.415	ug/l #	42
59) 2-Hexanone	11.170	43	82509	37.363	ug/l #	21
71) Bromoform	12.841	173	664	0.407	ug/l #	1
74) N-amyl acetate	12.488	43	817	0.238	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.853	83	66	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.847	75	58732	23.876	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58732	61.289	ug/l #	10

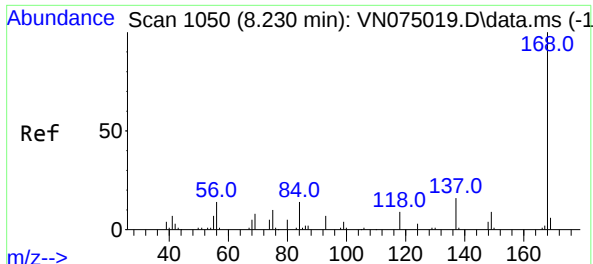
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
Data File : VN075294.D
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Misc : 5.0mL/MSVOA_N/WATER
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MSVOA_N
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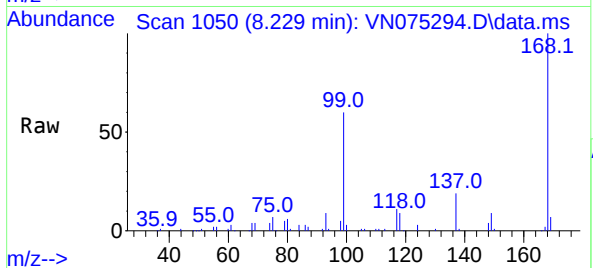
Quant Time: Nov 17 04:29:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
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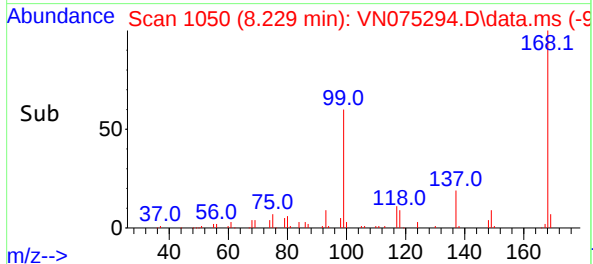
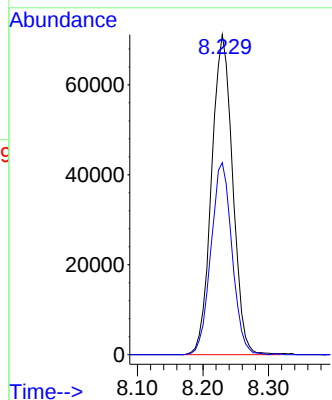


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Instrument :
MSVOA_N
ClientSampleId :

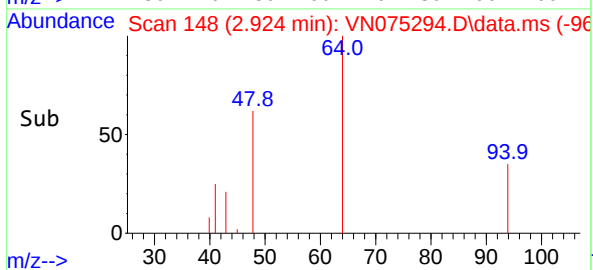
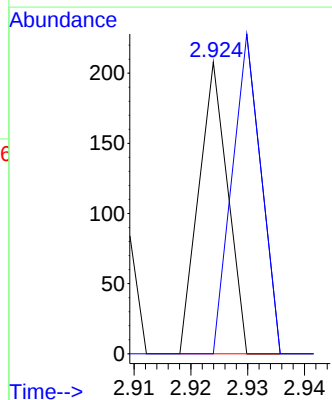
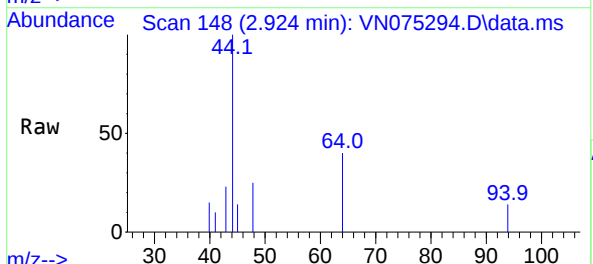


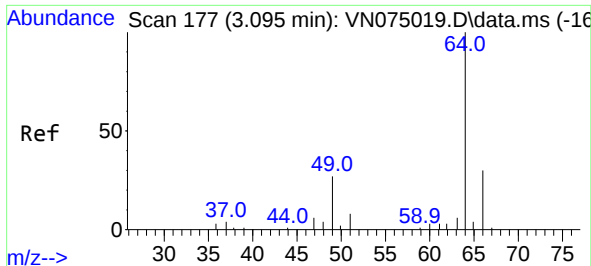
Tgt Ion:168 Resp: 158755
Ion Ratio Lower Upper
168 100
99 60.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.924 min Scan# 148
Delta R.T. 0.006 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 94 Resp: 73
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

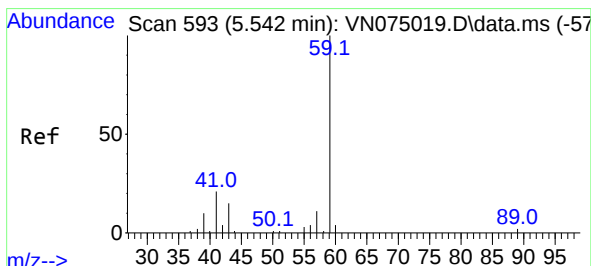
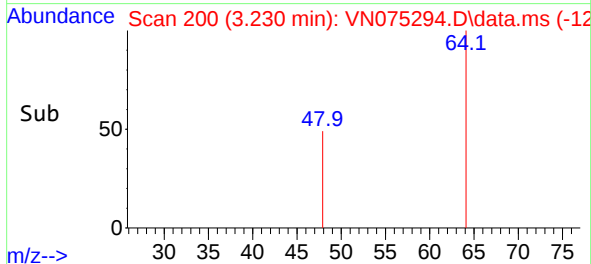
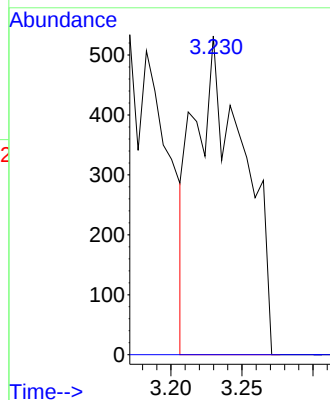
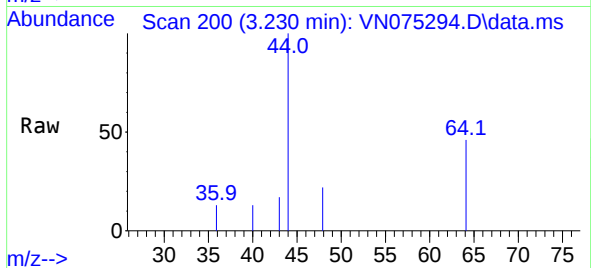




#6
Chloroethane
Concen: 0.574 ug/l
RT: 3.230 min Scan# 20
Delta R.T. 0.135 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

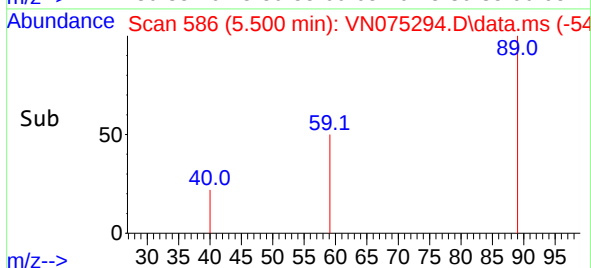
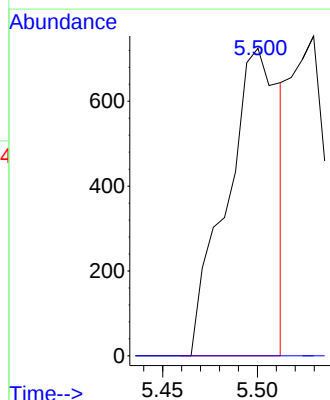
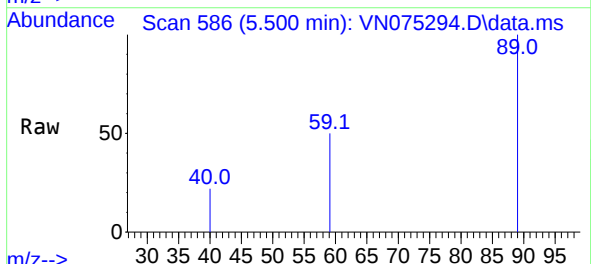
Instrument :
MSVOA_N
ClientSampleId :

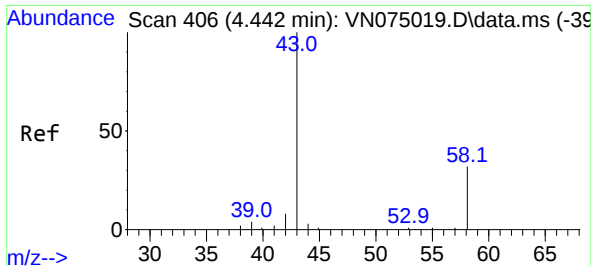
Tgt Ion: 64 Resp: 1288
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 2.807 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 59 Resp: 1400
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

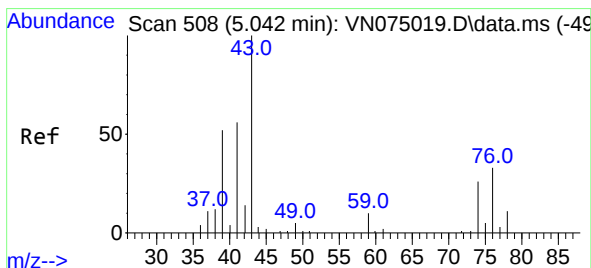
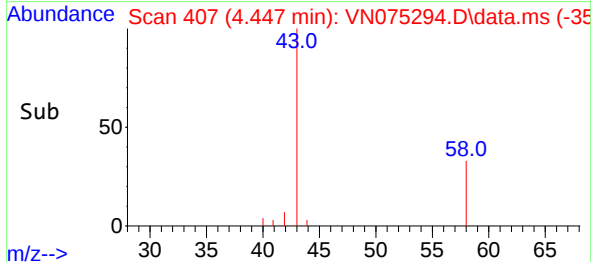
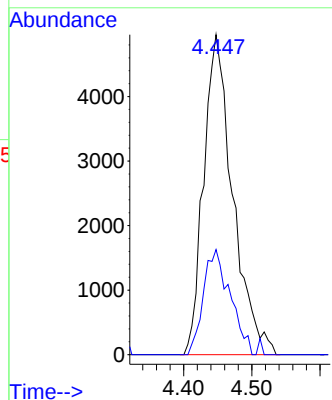
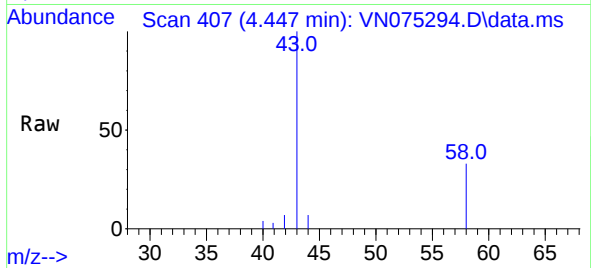




#16
Acetone
Concen: 16.241 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

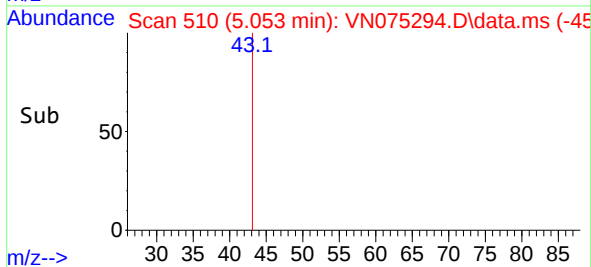
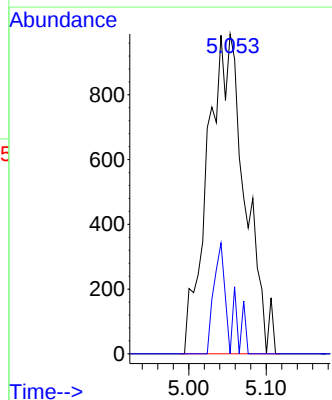
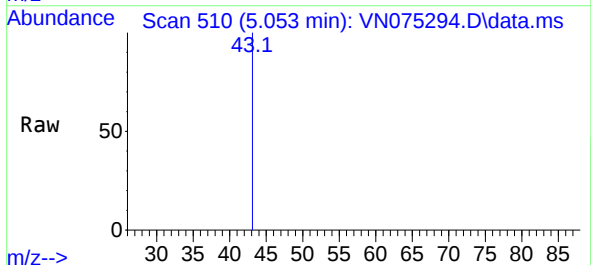
Instrument :
MSVOA_N
ClientSampleId :

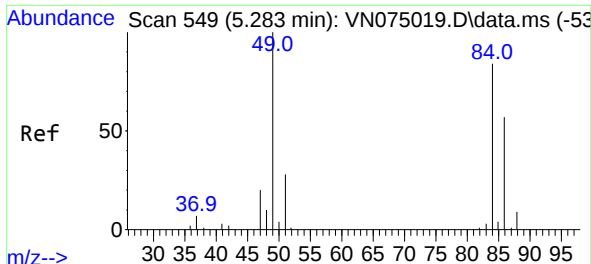
Tgt Ion: 43 Resp: 14710
Ion Ratio Lower Upper
43 100
58 32.8 25.5 38.3



#18
Methyl Acetate
Concen: 1.124 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

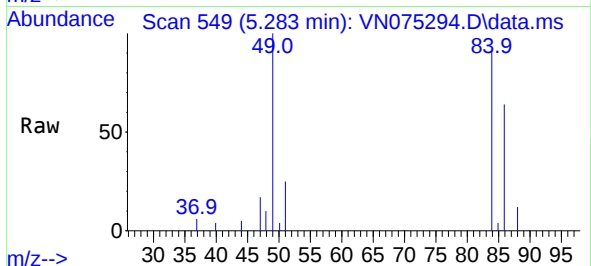
Tgt Ion: 43 Resp: 3324
Ion Ratio Lower Upper
43 100
74 3.9 22.0 33.0#





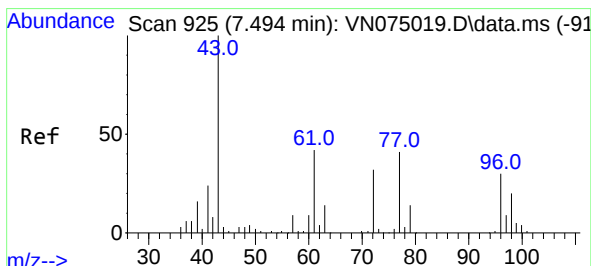
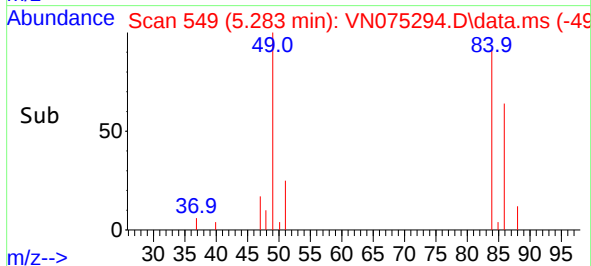
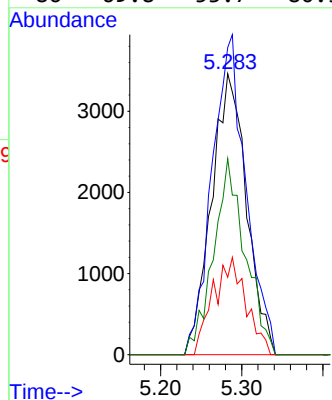
#20
Methylene Chloride
Concen: 5.145 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 10390

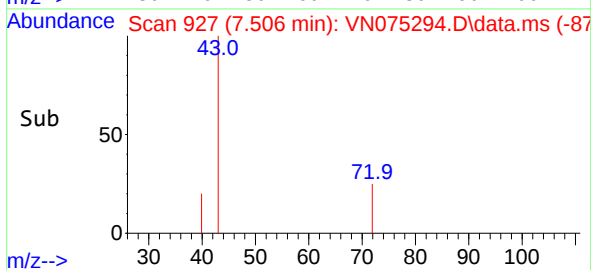
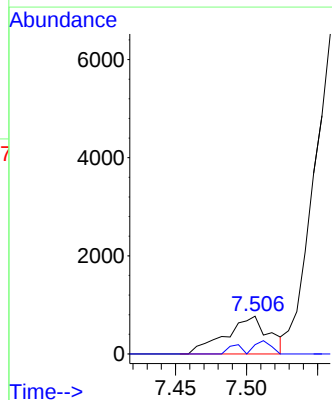
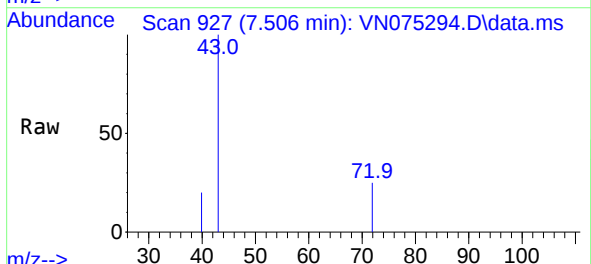
Ion	Ratio	Lower	Upper
84	100		
49	109.3	94.9	142.3
51	27.5	26.8	40.2
86	69.8	53.7	80.5

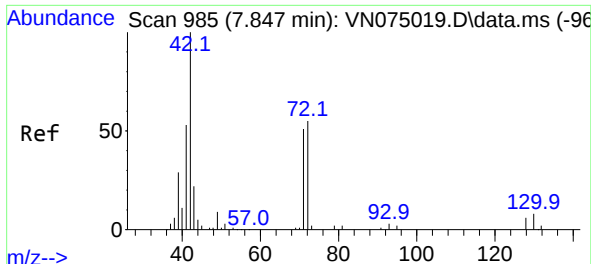


#25
2-Butanone
Concen: 1.139 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 43 Resp: 1623

Ion	Ratio	Lower	Upper
43	100		
72	24.6	25.5	38.3#

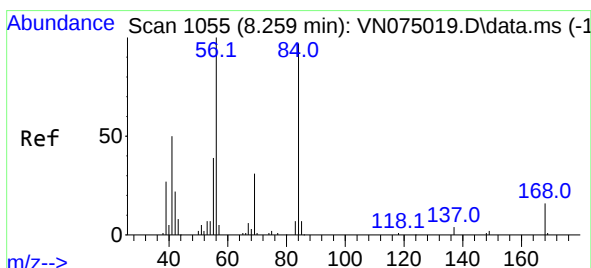
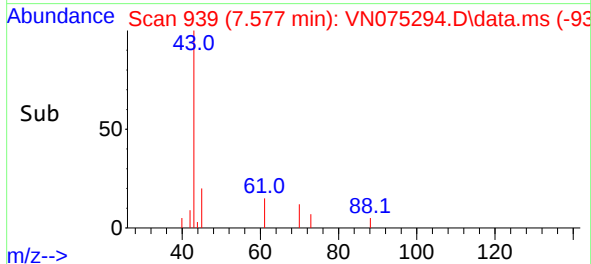
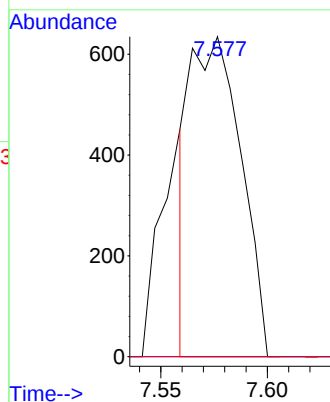
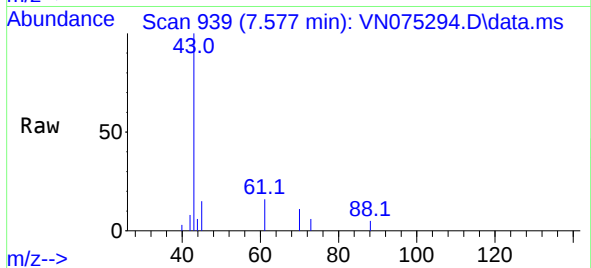




#29
Tetrahydrofuran
Concen: 1.134 ug/l
RT: 7.577 min Scan# 91
Delta R.T. -0.270 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

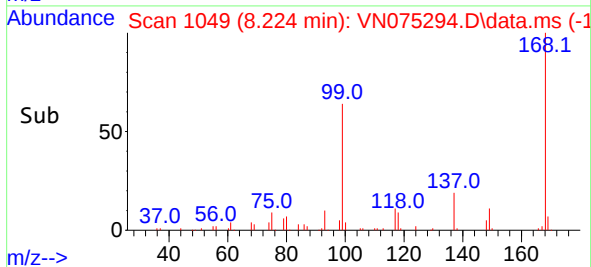
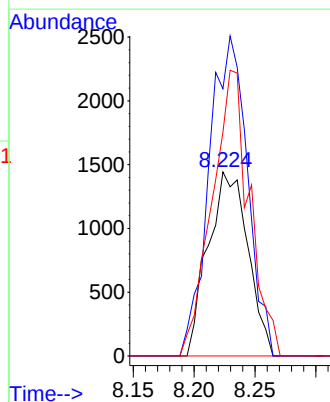
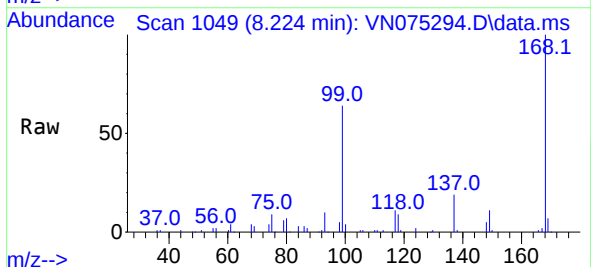
Instrument :
MSVOA_N
ClientSampleId :

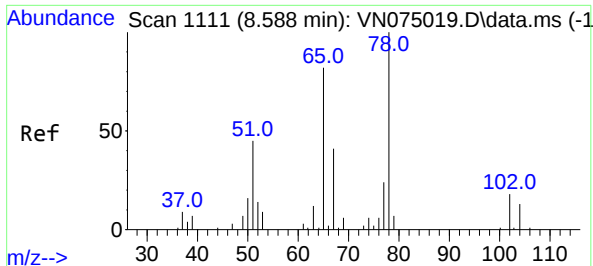
Tgt Ion: 42 Resp: 1044
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.034 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 56 Resp: 3291
Ion Ratio Lower Upper
56 100
69 145.2 25.2 37.8#
84 121.6 77.8 116.8#

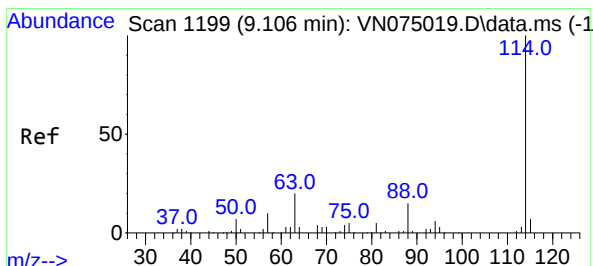
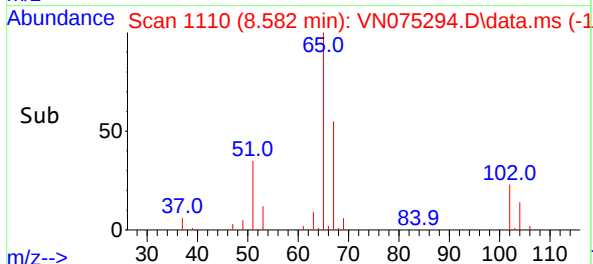
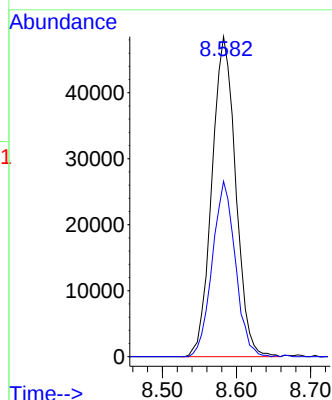
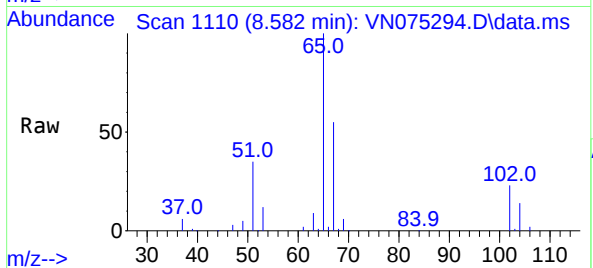




#33
1,2-Dichloroethane-d4
Concen: 50.532 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

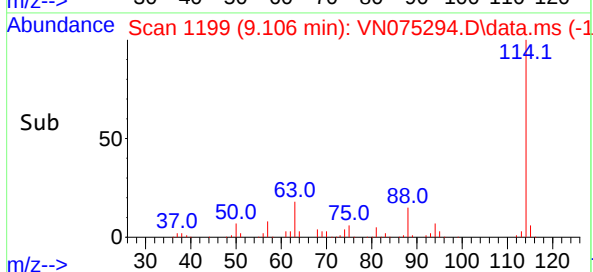
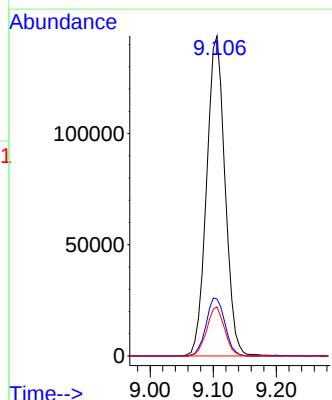
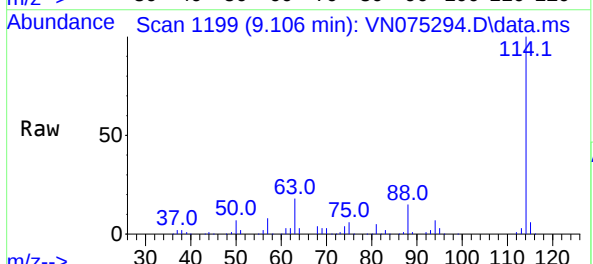
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ClientSampleId :

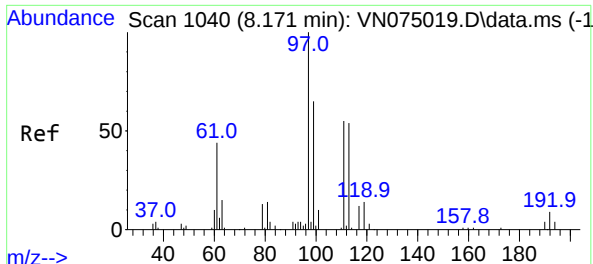
Tgt Ion: 65 Resp: 108089
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

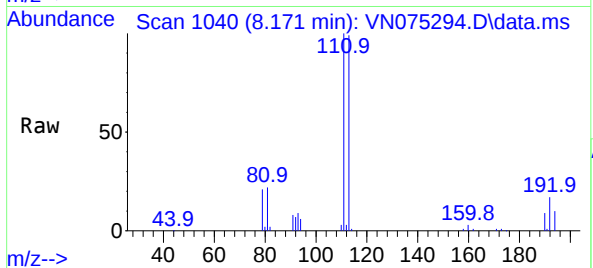
Tgt Ion: 114 Resp: 291639
Ion Ratio Lower Upper
114 100
63 17.8 0.0 39.6
88 15.3 0.0 29.0



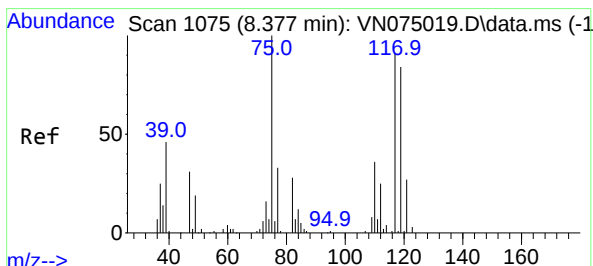
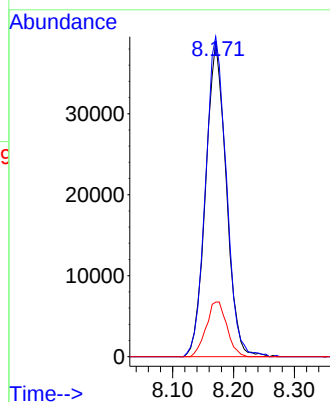
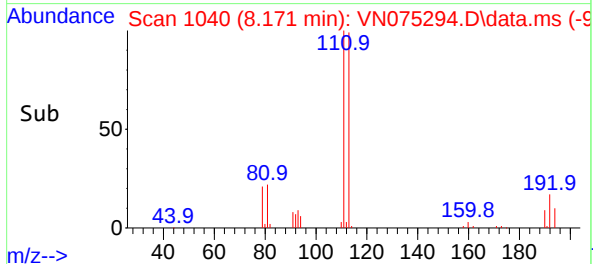


#35
Dibromofluoromethane
Concen: 53.220 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

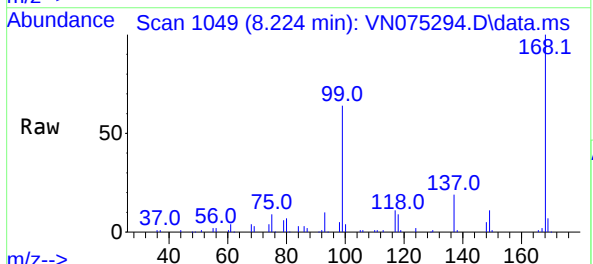
Instrument :
MSVOA_N
ClientSampleId :



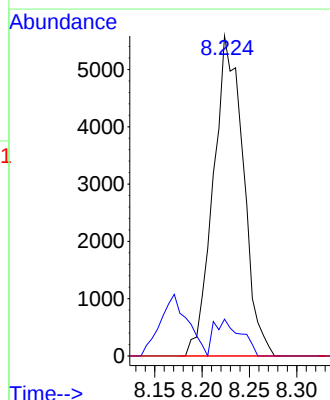
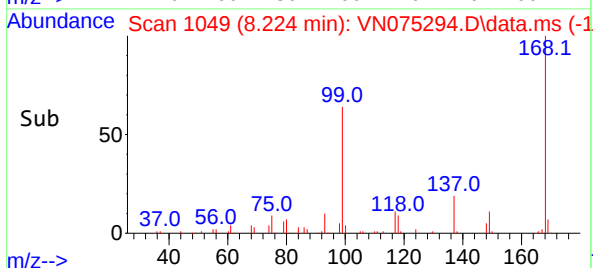
Tgt Ion:113 Resp: 91117
Ion Ratio Lower Upper
113 100
111 103.0 80.5 120.7
192 17.5 13.2 19.8

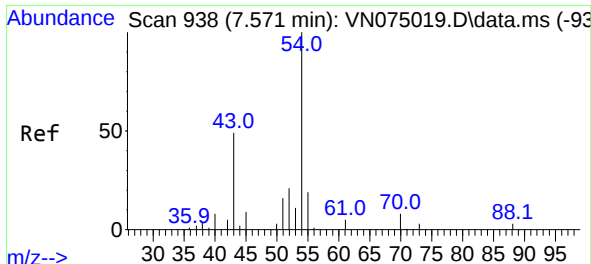


#36
1,1-Dichloropropene
Concen: 4.637 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39



Tgt Ion: 75 Resp: 12291
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.3#
77 0.0 24.6 37.0#

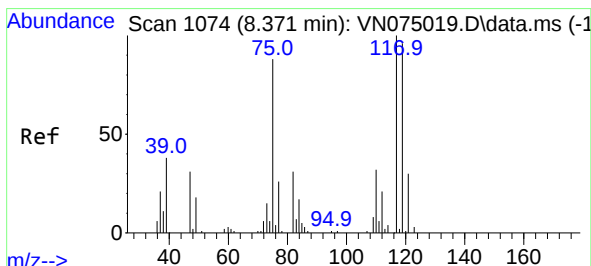
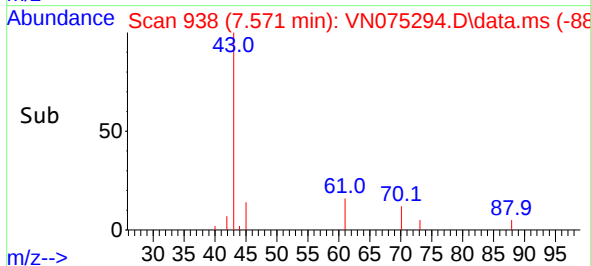
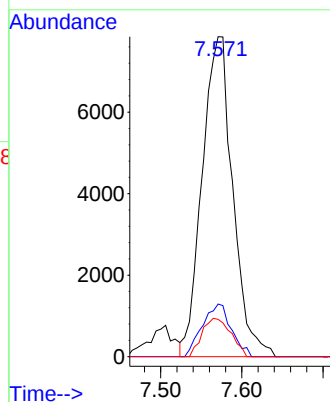
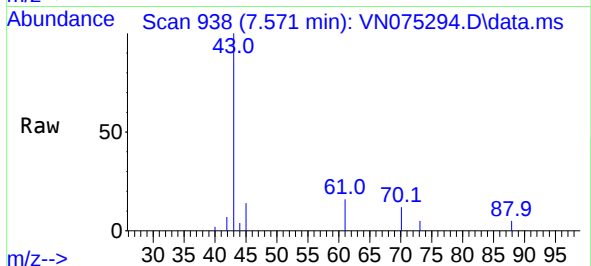




#37
Ethyl Acetate
Concen: 7.078 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

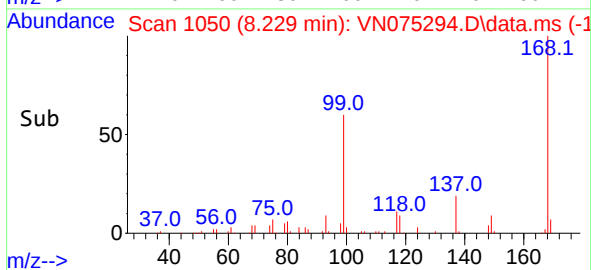
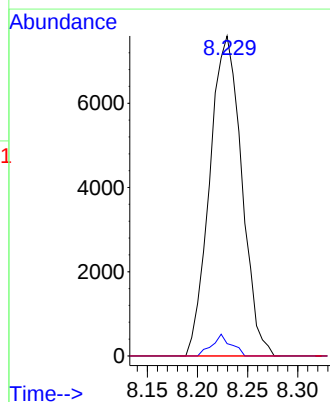
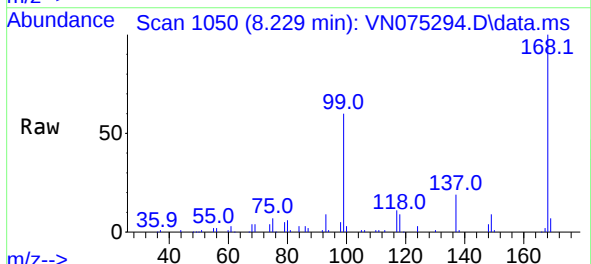
Instrument :
MSVOA_N
ClientSampleId :

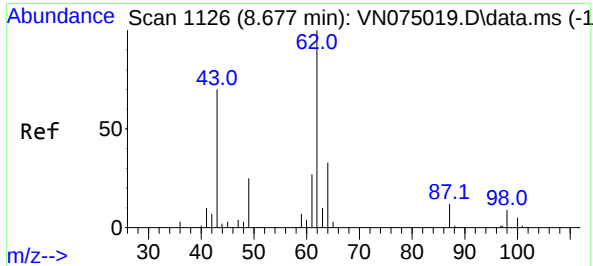
Tgt Ion:	43	Resp:	20575
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.2	18.4
70	11.3	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion:	117	Resp:	16866
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.7	115.1#
121	0.0	23.9	35.9#

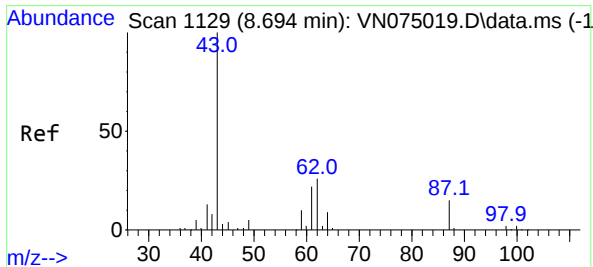
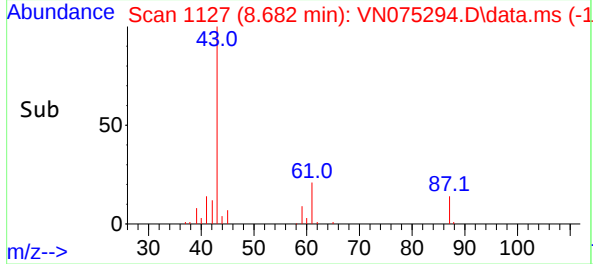
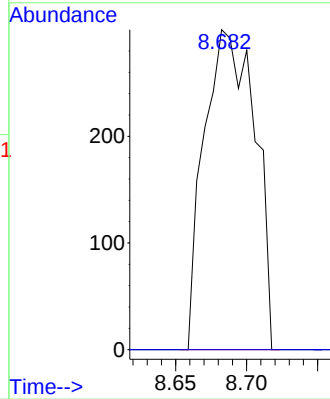
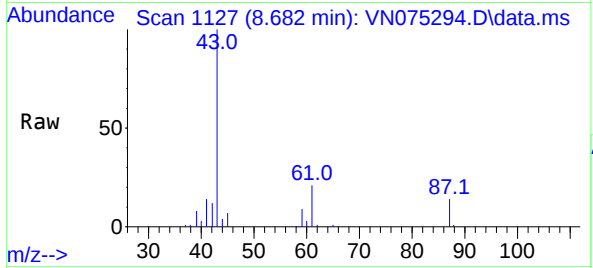




#42
 1,2-Dichloroethane
 Concen: 0.252 ug/l
 RT: 8.682 min Scan# 1127
 Delta R.T. 0.005 min
 Lab File: VN075294.D
 Acq: 16 Nov 2022 17:39

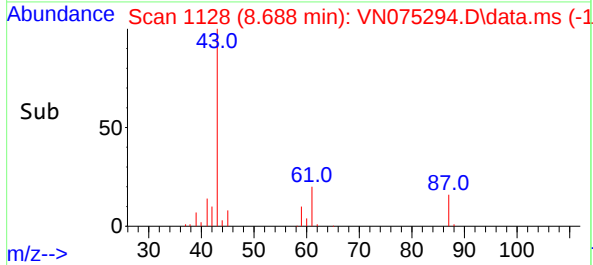
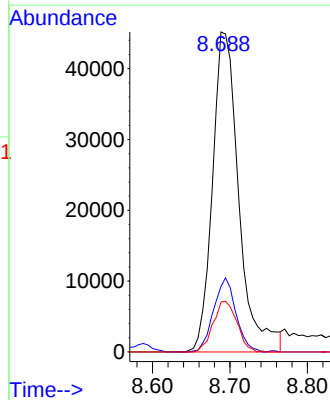
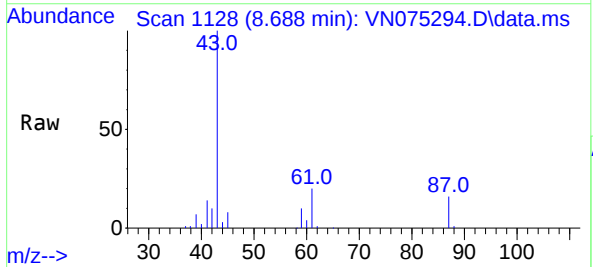
Instrument :
 MSVOA_N
 ClientSampleId :

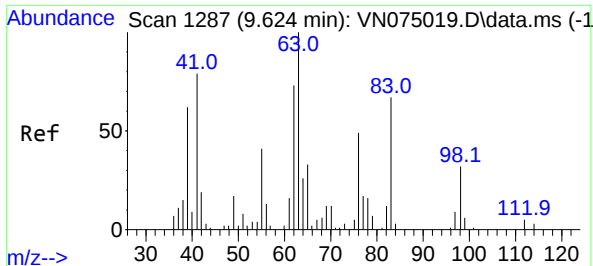
Tgt Ion:	62	Resp:	744
Ion Ratio	Lower	Upper	
62	100		
98	0.0	0.0	18.2



#43
 Isopropyl Acetate
 Concen: 23.738 ug/l
 RT: 8.688 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VN075294.D
 Acq: 16 Nov 2022 17:39

Tgt Ion:	43	Resp:	107030
Ion Ratio	Lower	Upper	
43	100		
61	19.6	22.4	33.6#
87	14.3	12.5	18.7





#45

1,2-Dichloropropane

Concen: 0.645 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075294.D

Acq: 16 Nov 2022 17:39

Instrument :

MSVOA_N

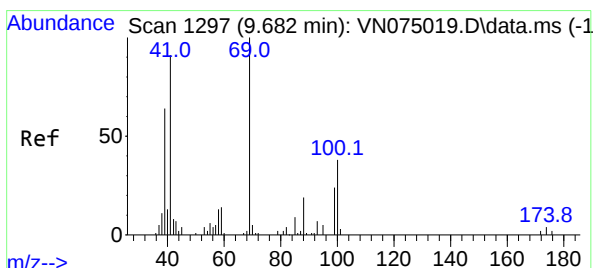
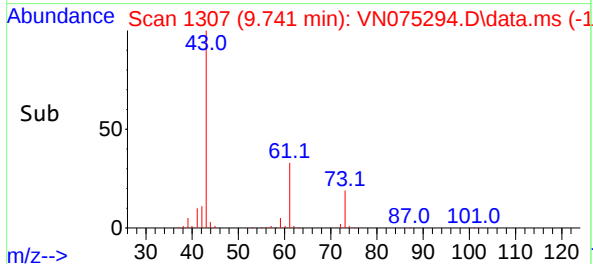
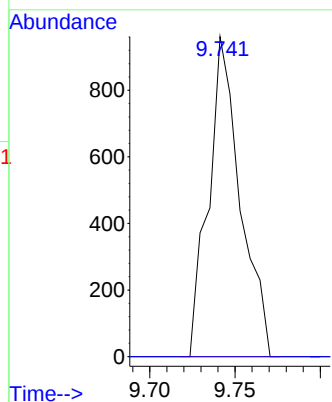
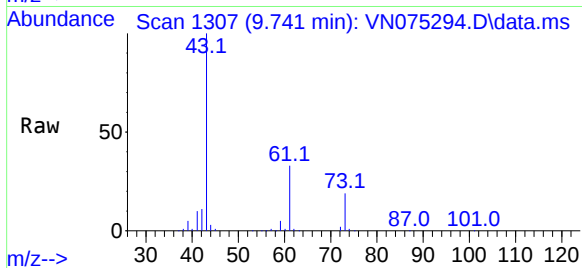
ClientSampleId :

Tgt Ion: 63 Resp: 1246

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.318 ug/l

RT: 9.676 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN075294.D

Acq: 16 Nov 2022 17:39

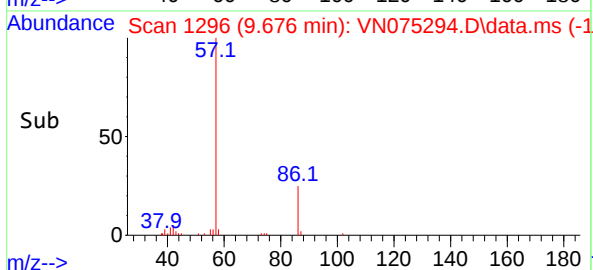
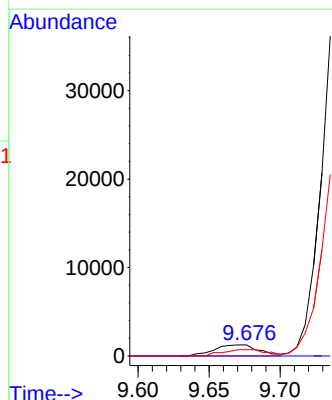
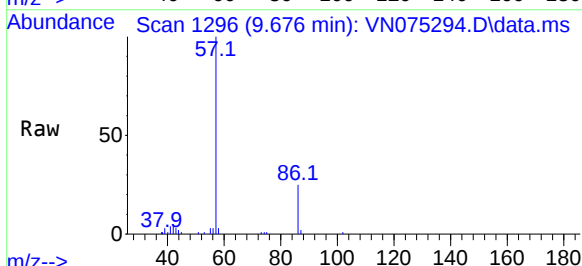
Tgt Ion: 41 Resp: 2725

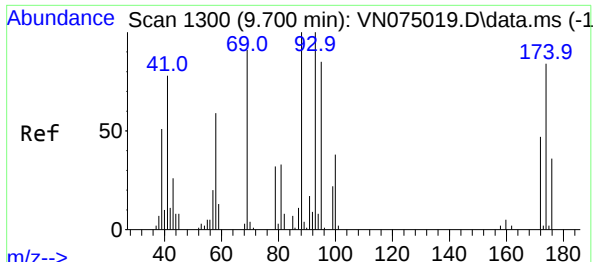
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

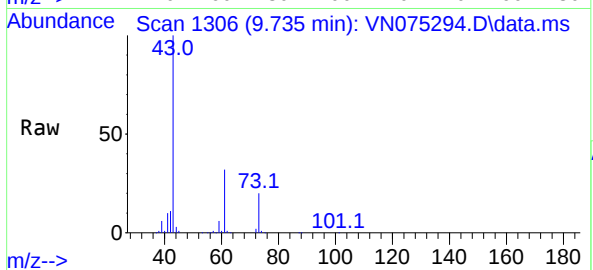
39 56.3 56.2 84.2



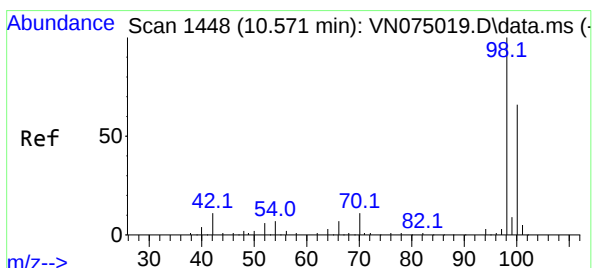
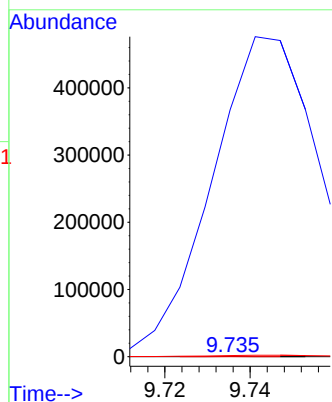
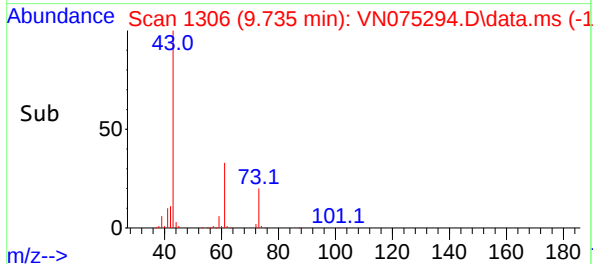


#49
1,4-Dioxane
Concen: 1.366 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Instrument :
MSVOA_N
ClientSampleId :

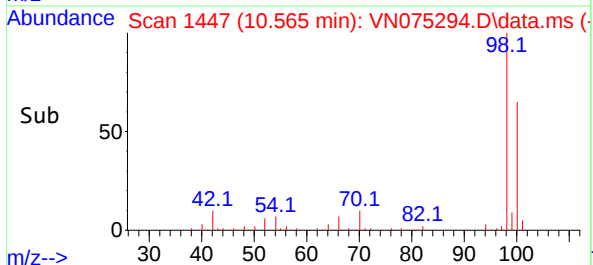
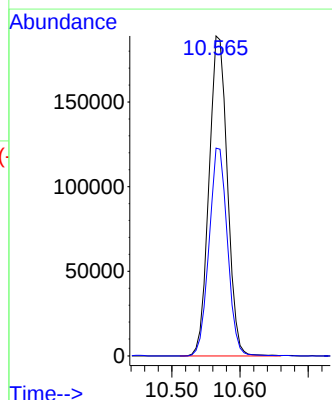
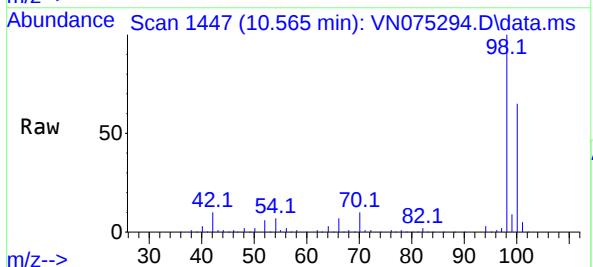


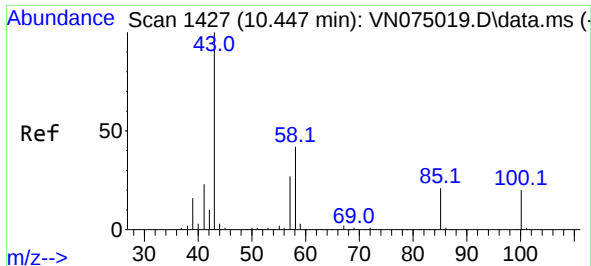
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 1186227.0 17.5 26.3#
58 5673.0 49.8 74.8#



#50
Toluene-d8
Concen: 53.436 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 98 Resp: 354943
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6

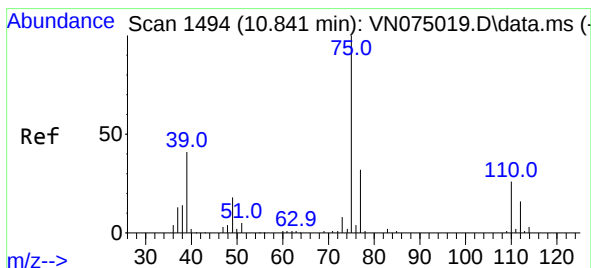
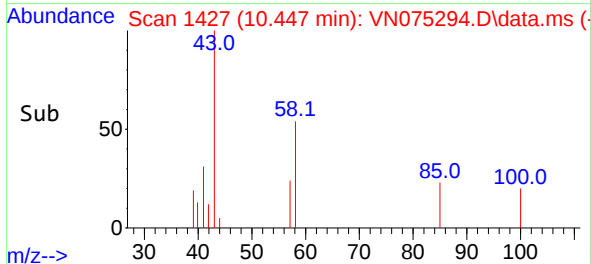
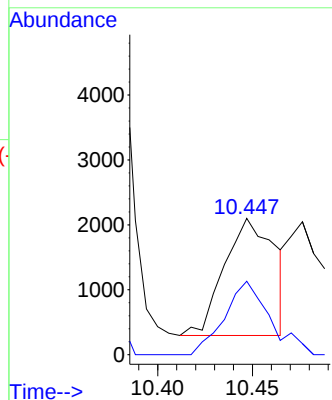
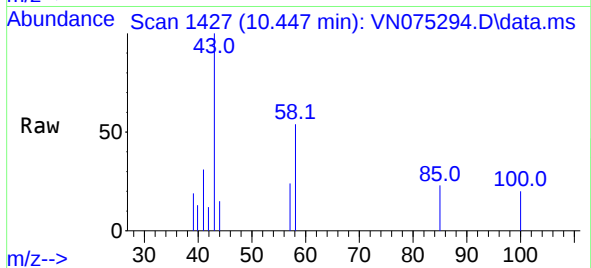




#51
4-Methyl-2-Pentanone
Concen: 1.152 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

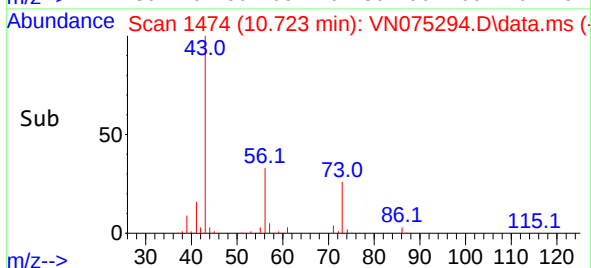
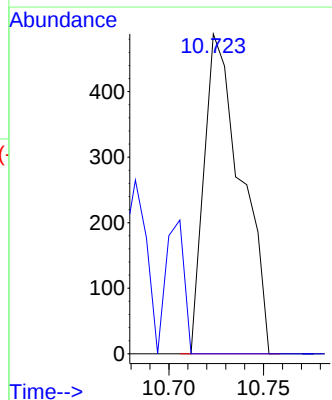
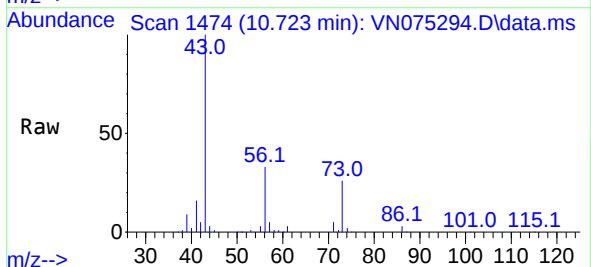
Instrument :
MSVOA_N
ClientSampleId :

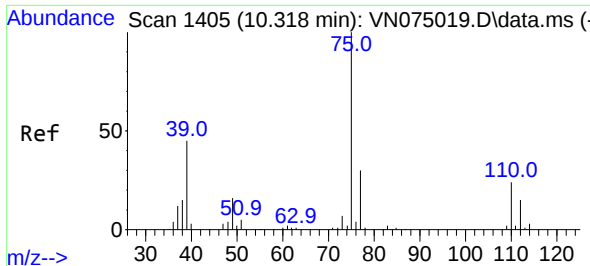
Tgt Ion: 43 Resp: 3353
Ion Ratio Lower Upper
43 100
58 56.2 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.217 ug/l
RT: 10.723 min Scan# 1474
Delta R.T. -0.118 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 75 Resp: 666
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

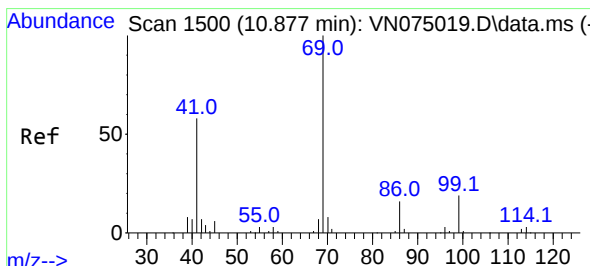
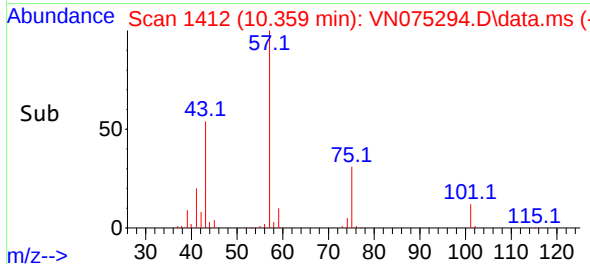
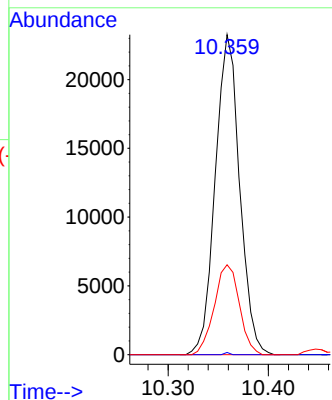
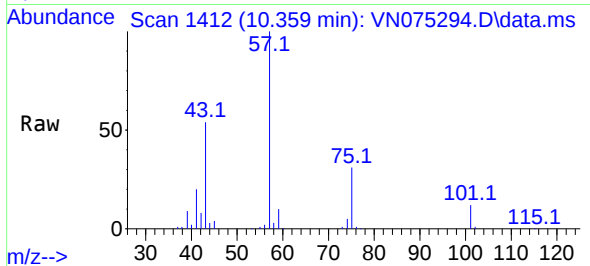




#54
cis-1,3-Dichloropropene
Concen: 12.004 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.041 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

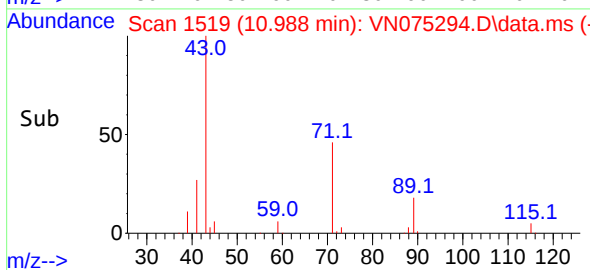
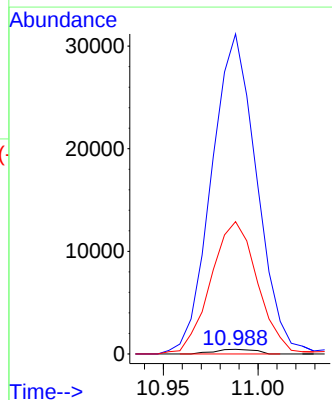
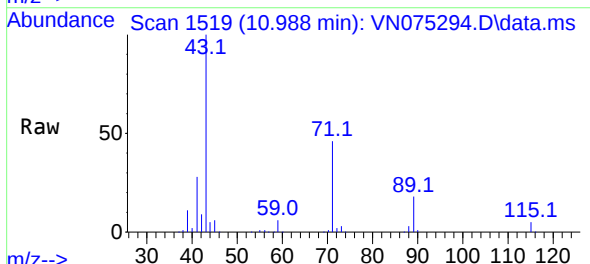
Instrument :
MSVOA_N
ClientSampleId :

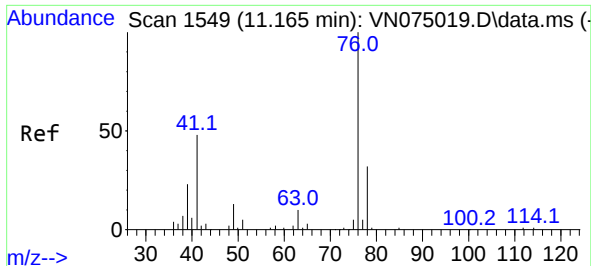
Tgt Ion: 75 Resp: 39158
Ion Ratio Lower Upper
75 100
77 0.7 23.7 35.5#
39 28.1 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.209 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 69 Resp: 685
Ion Ratio Lower Upper
69 100
41 7624.7 45.6 68.4#
39 3255.0 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.415 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN075294.D

Acq: 16 Nov 2022 17:39

Instrument :

MSVOA_N

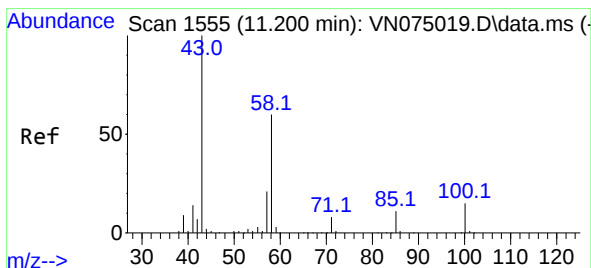
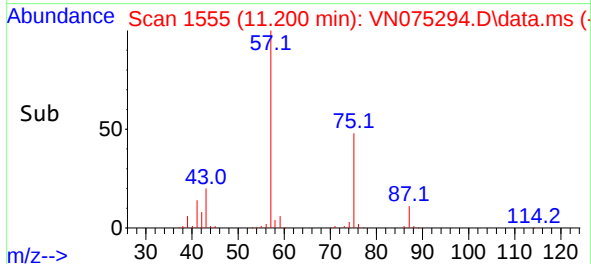
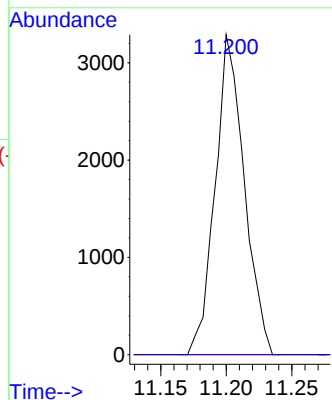
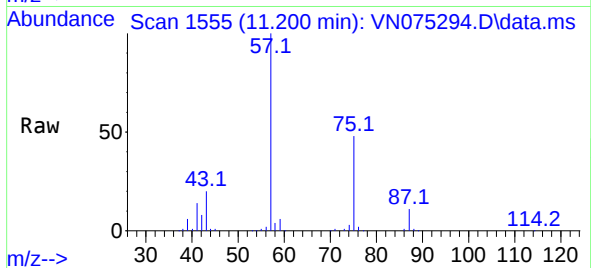
ClientSampleId :

Tgt Ion: 76 Resp: 5069

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 37.363 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.030 min

Lab File: VN075294.D

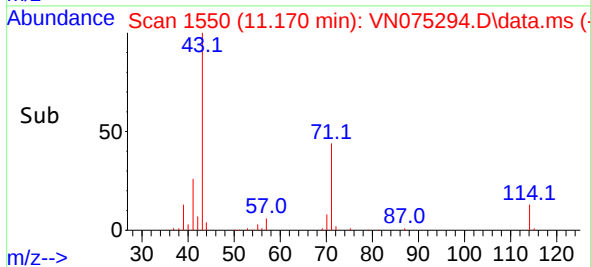
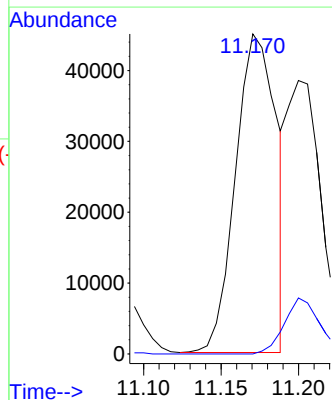
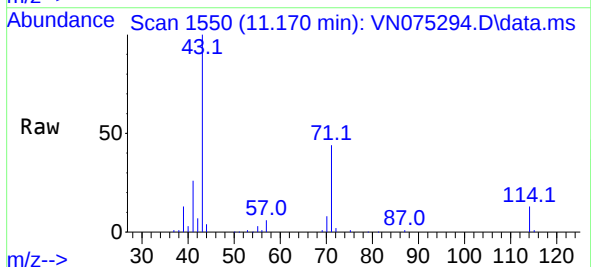
Acq: 16 Nov 2022 17:39

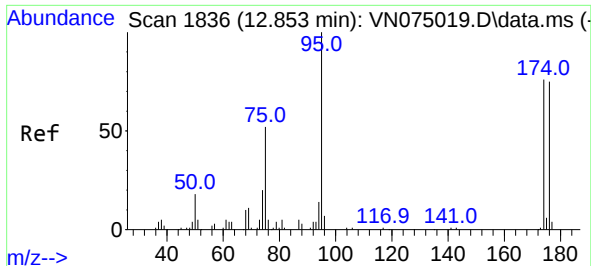
Tgt Ion: 43 Resp: 82509

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

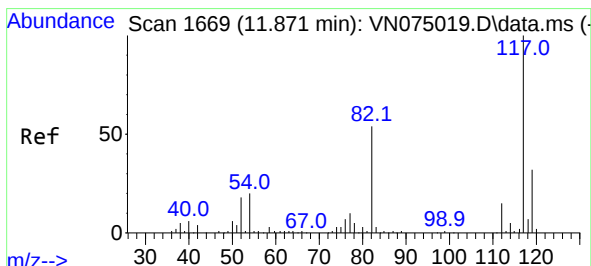
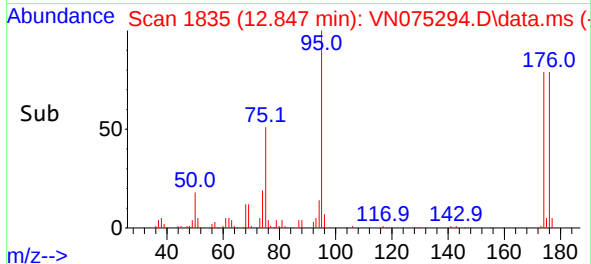
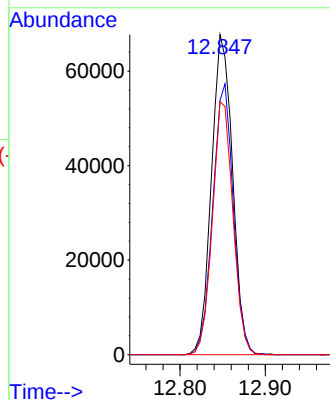
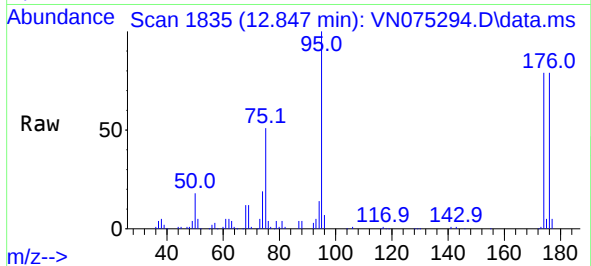




#62
4-Bromofluorobenzene
Concen: 49.756 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

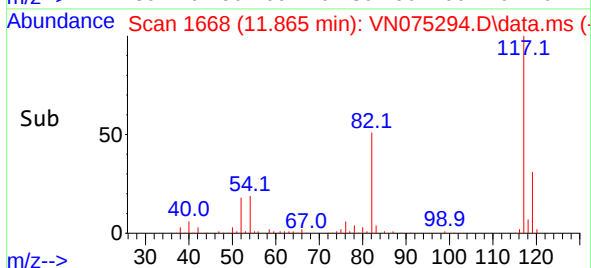
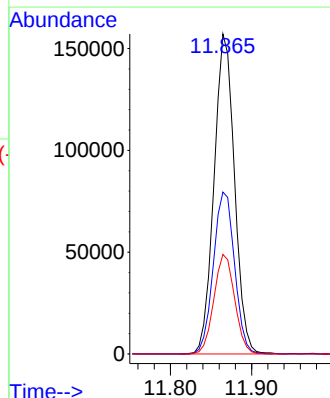
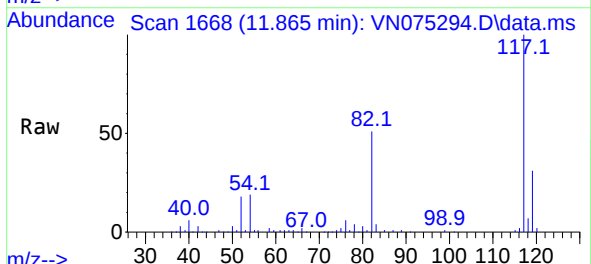
Instrument :
MSVOA_N
ClientSampleId :

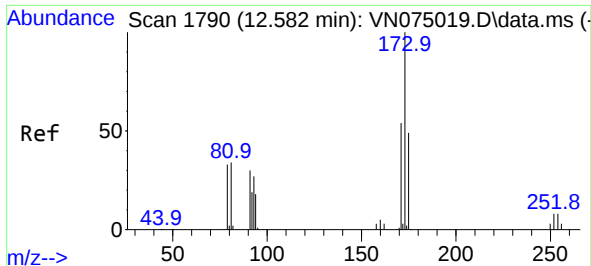
Tgt Ion: 95 Resp: 116098
Ion Ratio Lower Upper
95 100
174 82.7 0.0 147.4
176 77.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

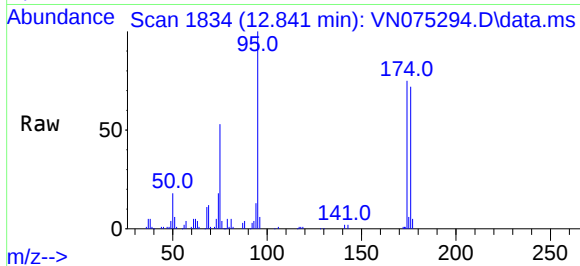
Tgt Ion: 117 Resp: 275515
Ion Ratio Lower Upper
117 100
82 50.6 43.1 64.7
119 31.1 25.5 38.3



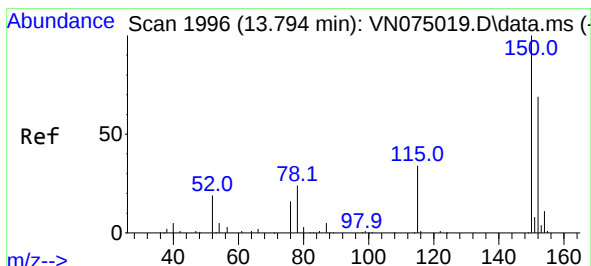
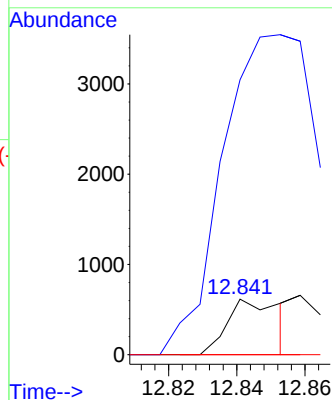
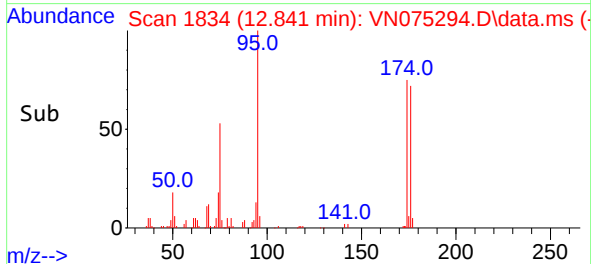


#71
Bromoform
Concen: 0.407 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Instrument :
MSVOA_N
ClientSampleId :

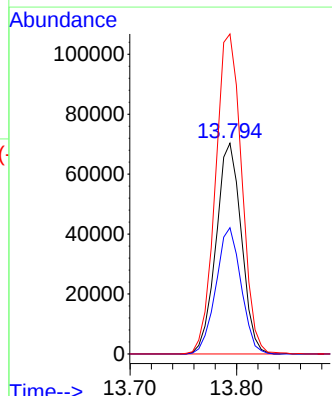
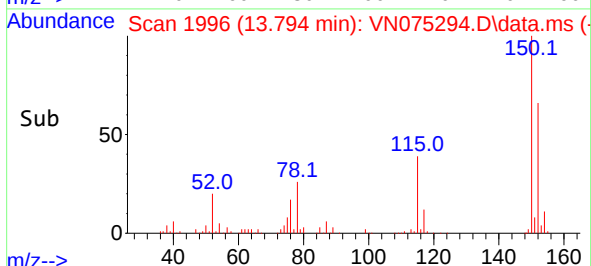
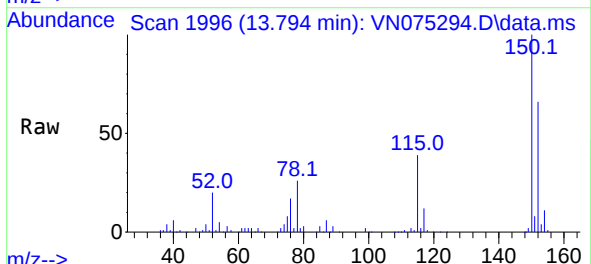


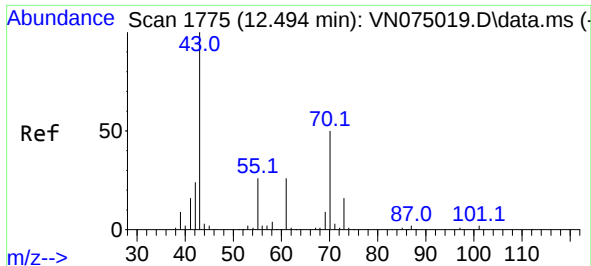
Tgt Ion:173 Resp: 664
Ion Ratio Lower Upper
173 100
175 884.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion:152 Resp: 115855
Ion Ratio Lower Upper
152 100
115 59.7 30.2 90.6
150 157.8 0.0 348.4

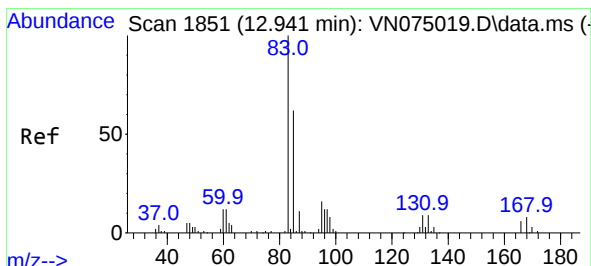
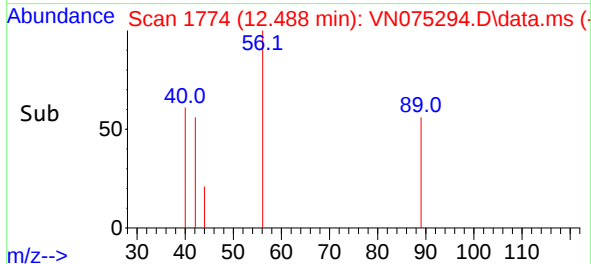
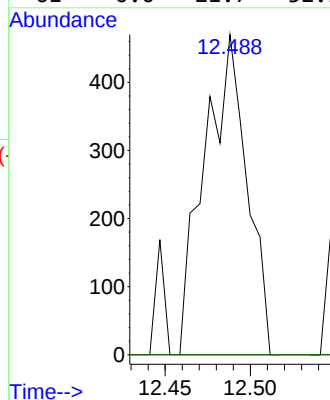
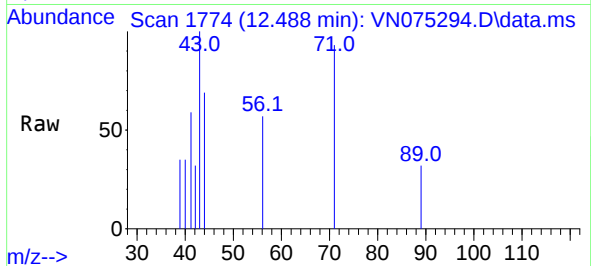




#74
N-amy1 acetate
Concen: 0.238 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

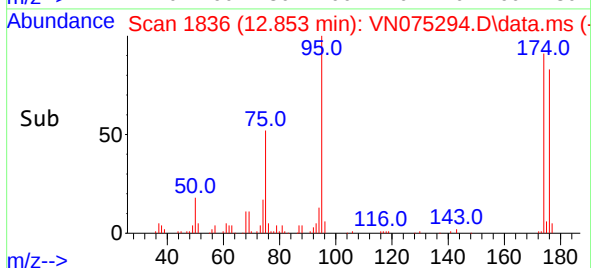
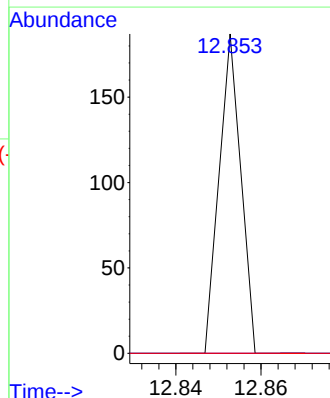
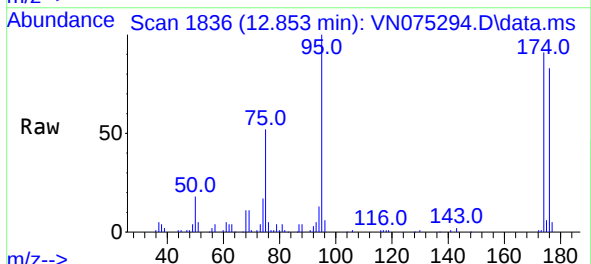
Instrument :
MSVOA_N
ClientSampleId :

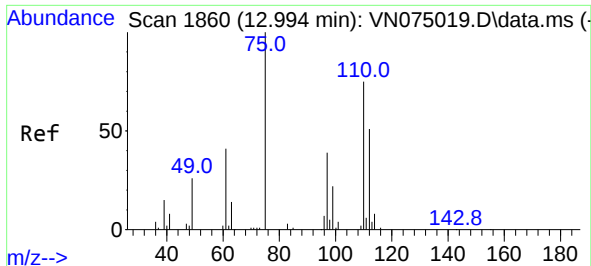
Tgt Ion: 43	Resp:	817
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.088 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 83	Resp:	66
Ion	Ratio	Lower Upper
83	100	
131	0.0	5.1 15.3#
85	0.0	31.6 94.7#

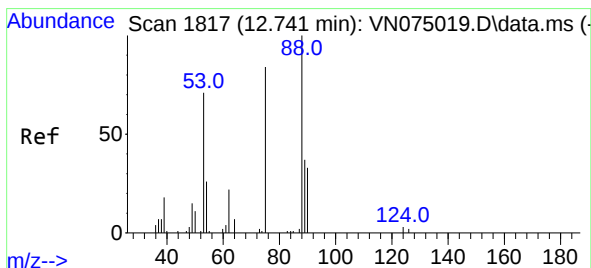
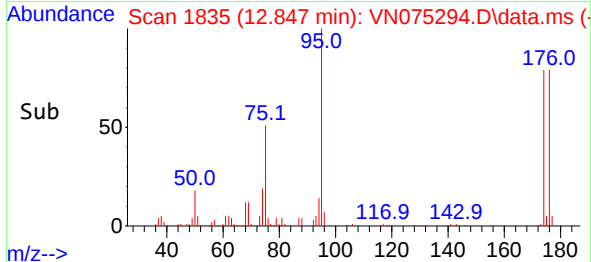
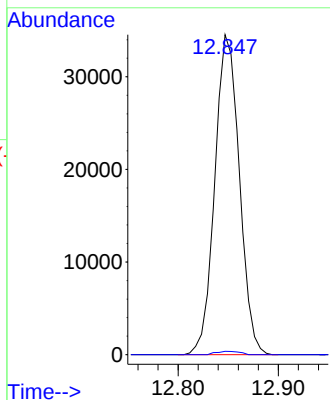
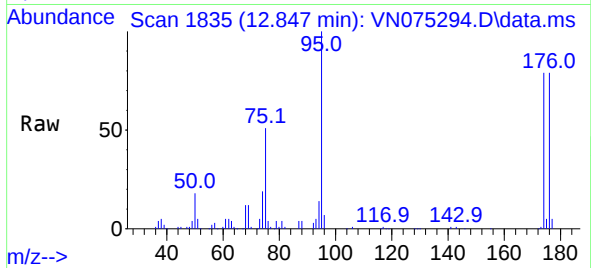




#76
1,2,3-Trichloropropane
Concen: 23.876 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 58732
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.289 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075294.D
Acq: 16 Nov 2022 17:39

Tgt Ion: 75 Resp: 58732
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

