

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112522\
 Data File : VN075427.D
 Acq On : 25 Nov 2022 17:42
 Operator : JC\MD
 Sample : N5756-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 03:37:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

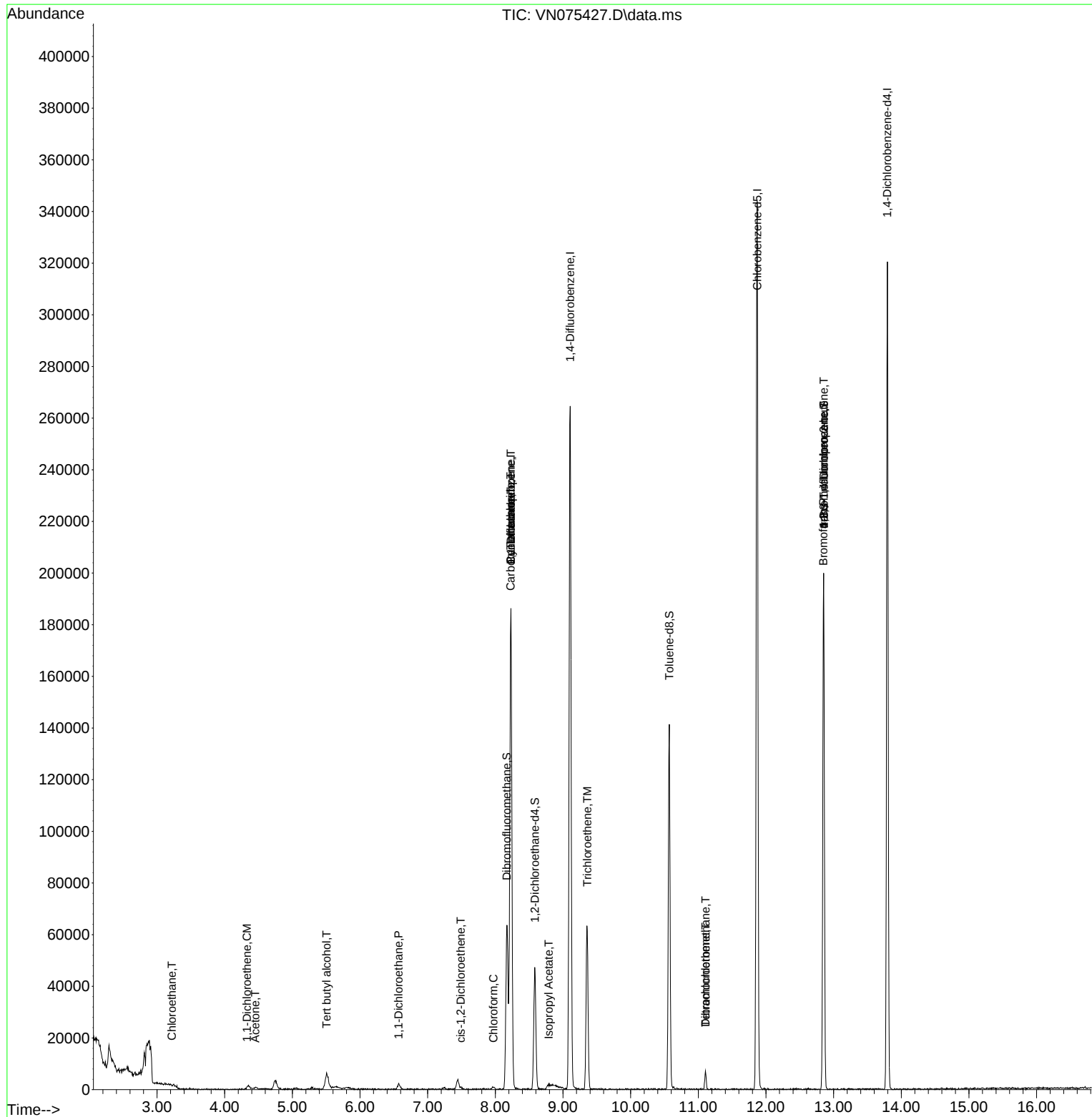
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	141952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	251389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	217731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	37549	49.278	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.560%
35) Dibromofluoromethane	8.171	113	46081	46.662	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.320%
50) Toluene-d8	10.571	98	99692	44.821	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.640%
62) 4-Bromofluorobenzene	12.853	95	70140	42.724	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.440%
Target Compounds						
					Qvalue	
6) Chloroethane	3.218	64	1399	1.085	ug/l #	45
11) Tert butyl alcohol	5.506	59	5003	15.641	ug/l #	72
12) 1,1-Dichloroethene	4.330	96	304	0.231	ug/l #	29
16) Acetone	4.453	43	801	1.127	ug/l #	84
18) Methyl Acetate	5.024	43	201	Below Cal	#	47
20) Methylene Chloride	5.294	84	599	Below Cal	#	30
24) 1,1-Dichloroethane	6.571	63	3960	1.590	ug/l #	86
27) cis-1,2-Dichloroethene	7.488	96	446	0.263	ug/l	41
30) Chloroform	7.971	83	1263	0.442	ug/l #	66
31) Cyclohexane	8.230	56	2776	1.147	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	10464	4.859	ug/l #	50
38) Carbon Tetrachloride	8.224	117	14243	6.020	ug/l #	15
43) Isopropyl Acetate	8.788	43	1775	0.570	ug/l #	53
44) Trichloroethene	9.359	130	24455	13.555	ug/l	94
60) Dibromochloromethane	11.106	129	1539	0.866	ug/l #	11
64) Tetrachloroethene	11.106	164	1675	1.007	ug/l #	81
71) Bromoform	12.847	173	303	0.237	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	33541	20.034	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	33541	59.275	ug/l #	10

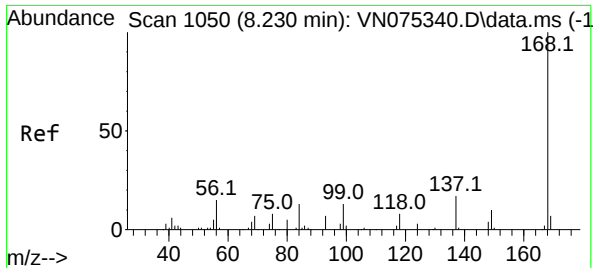
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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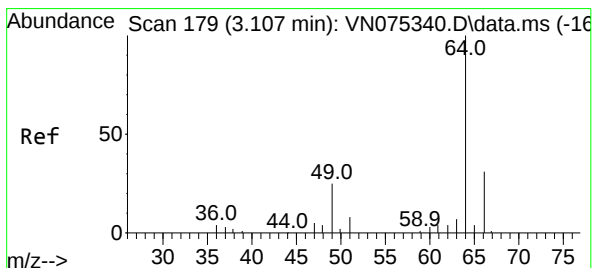
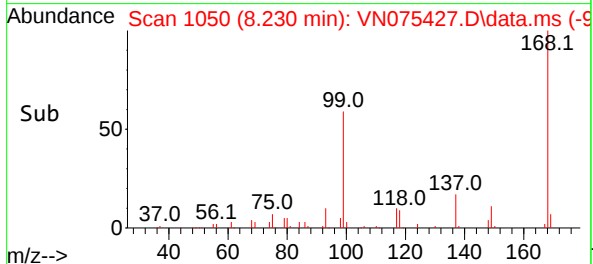
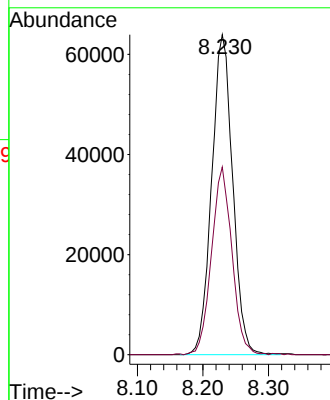
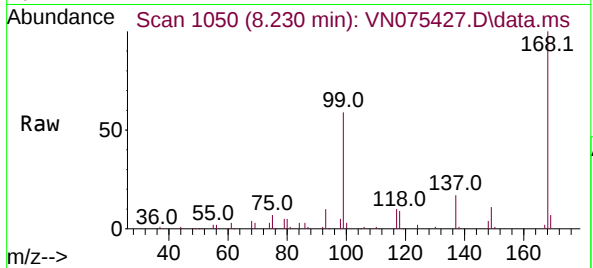




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

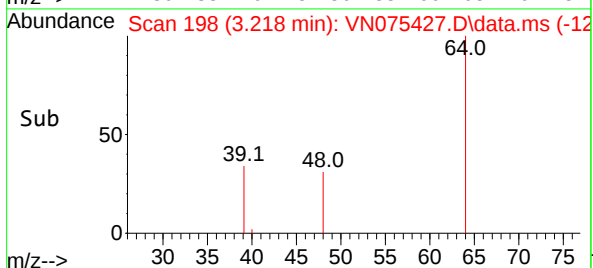
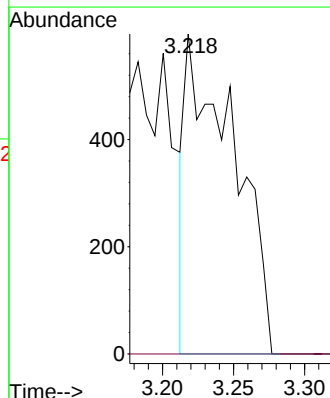
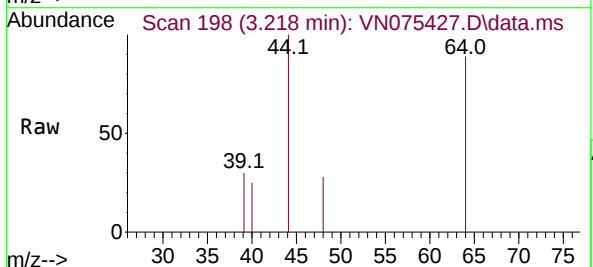
Instrument :
MSVOA_N
ClientSampleId :

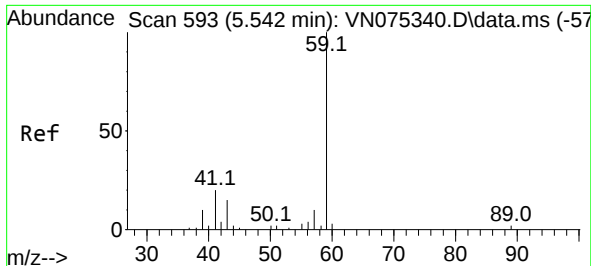
Tgt Ion:168 Resp: 141952
Ion Ratio Lower Upper
168 100
99 58.4 51.6 77.4



#6
Chloroethane
Concen: 1.085 ug/l
RT: 3.218 min Scan# 198
Delta R.T. 0.111 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Tgt Ion: 64 Resp: 1399
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

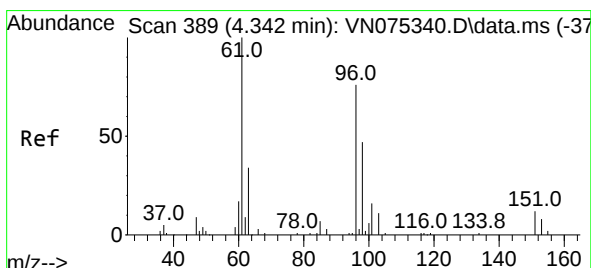
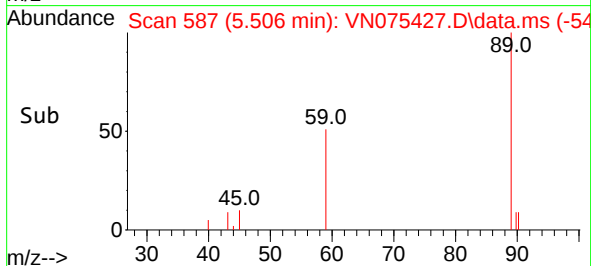
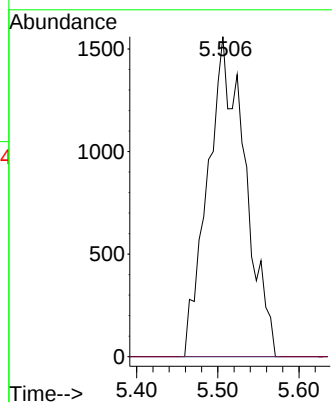
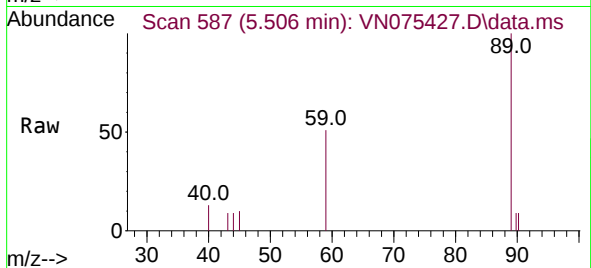




#11
Tert butyl alcohol
Concen: 15.641 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

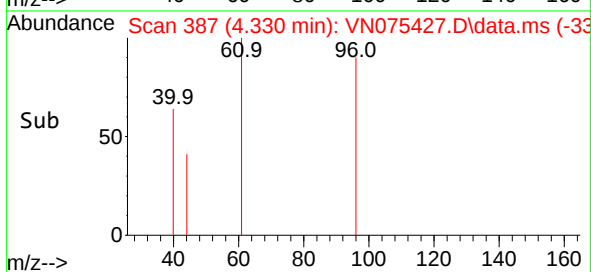
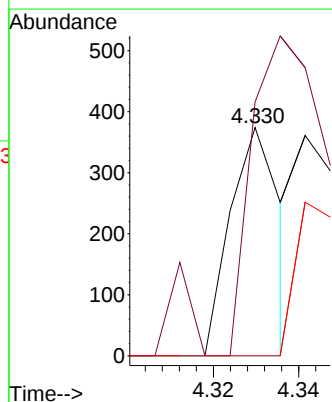
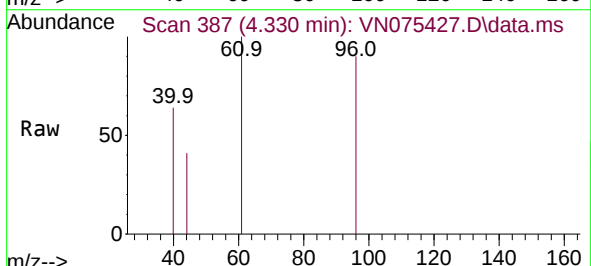
Instrument :
MSVOA_N
ClientSampleId :

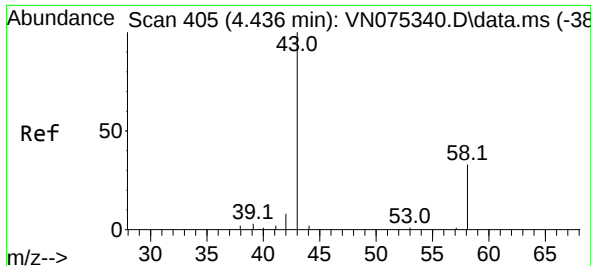
Tgt Ion: 59 Resp: 5003
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.231 ug/l
RT: 4.330 min Scan# 387
Delta R.T. -0.012 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Tgt Ion: 96 Resp: 304
Ion Ratio Lower Upper
96 100
61 70.3 126.2 189.4#
98 0.0 51.5 77.3#





#16

Acetone

Concen: 1.127 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.017 min

Lab File: VN075427.D

Acq: 25 Nov 2022 17:42

Instrument :

MSVOA_N

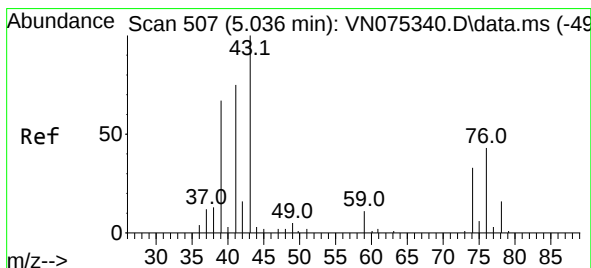
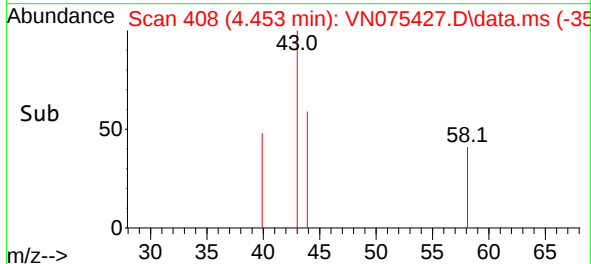
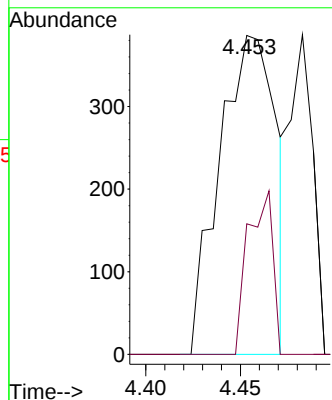
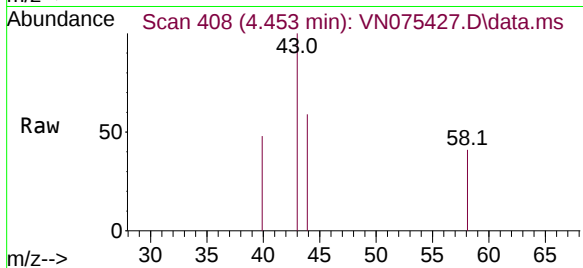
ClientSampleId :

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

58 40.9 25.5 38.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 505

Delta R.T. -0.012 min

Lab File: VN075427.D

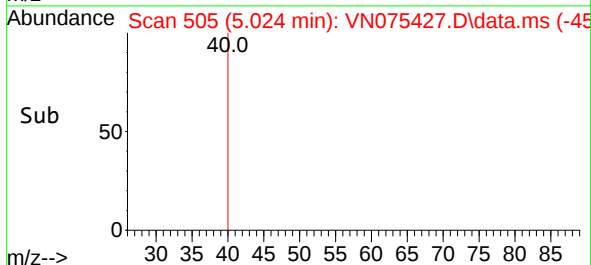
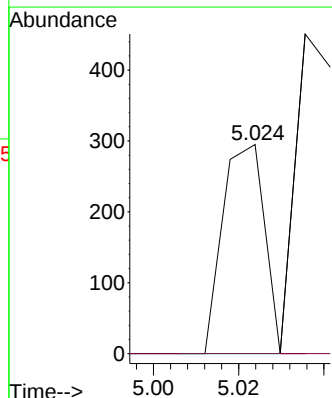
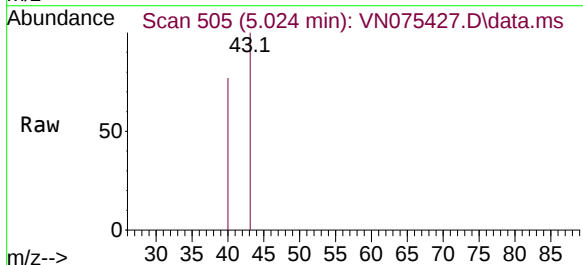
Acq: 25 Nov 2022 17:42

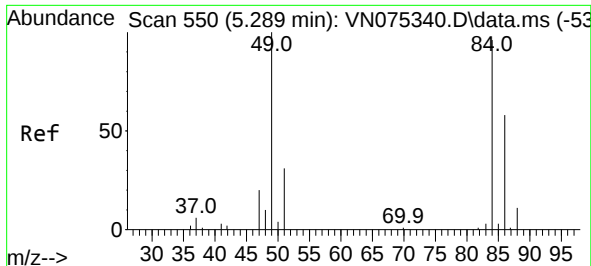
Tgt Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

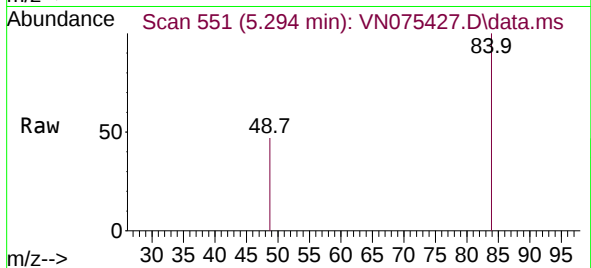
74 0.0 22.0 33.0#



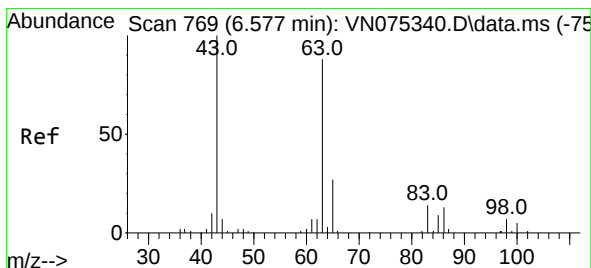
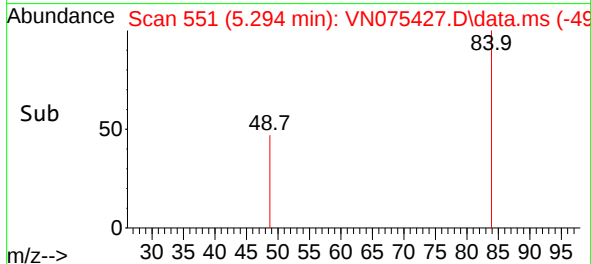
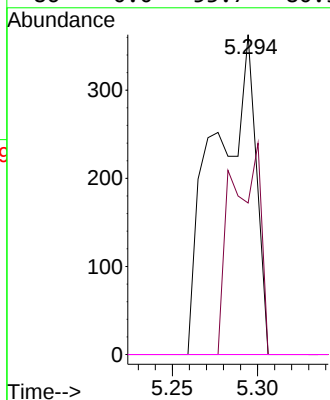


#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :

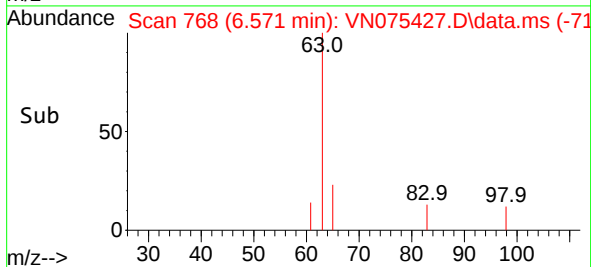
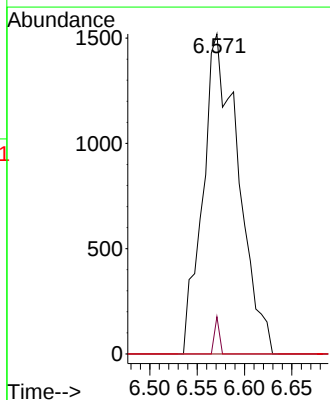
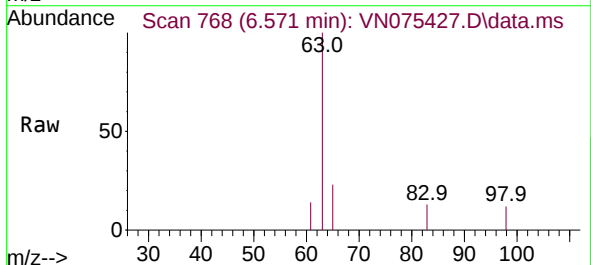


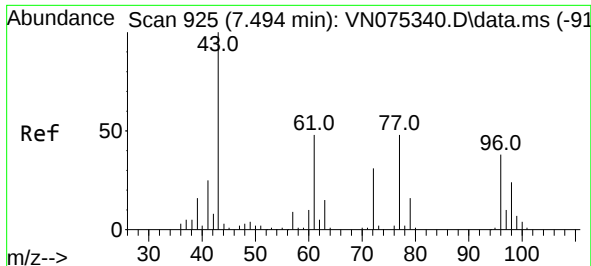
Tgt Ion: 84 Resp: 599
Ion Ratio Lower Upper
84 100
49 47.4 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#



#24
1,1-Dichloroethane
Concen: 1.590 ug/l
RT: 6.571 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

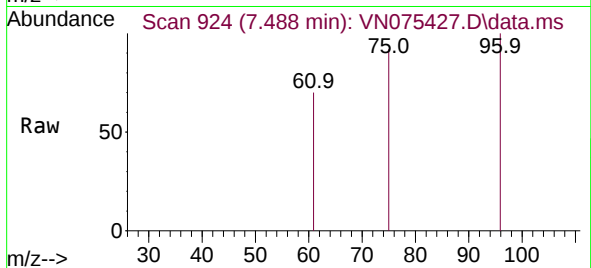
Tgt Ion: 63 Resp: 3960
Ion Ratio Lower Upper
63 100
98 11.6 3.6 10.8#
100 0.0 2.4 7.2#



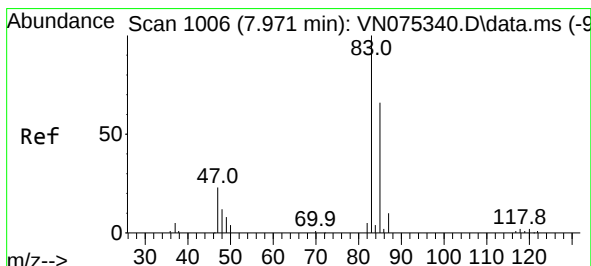
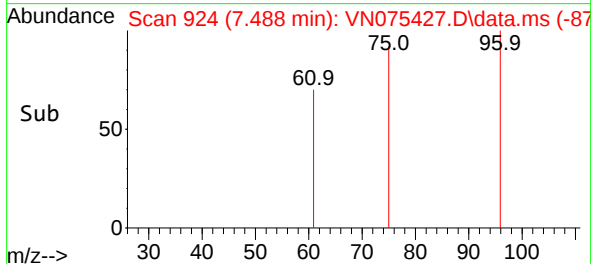
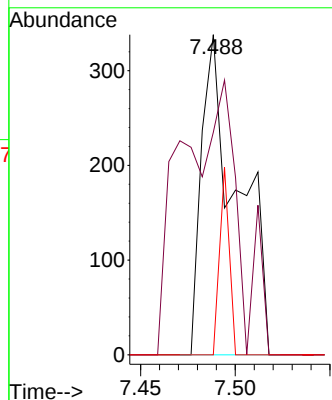


#27
 cis-1,2-Dichloroethene
 Concen: 0.263 ug/l
 RT: 7.488 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN075427.D
 Acq: 25 Nov 2022 17:42

Instrument :
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 ClientSampleId :

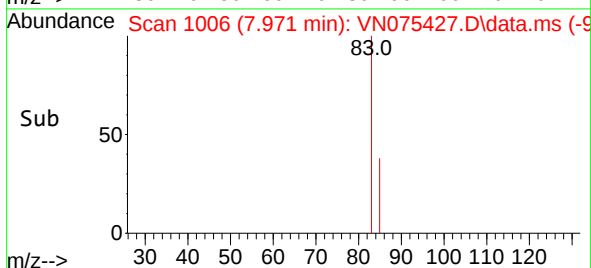
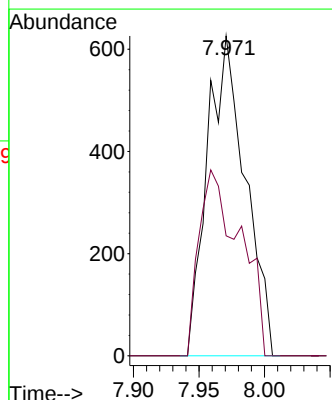
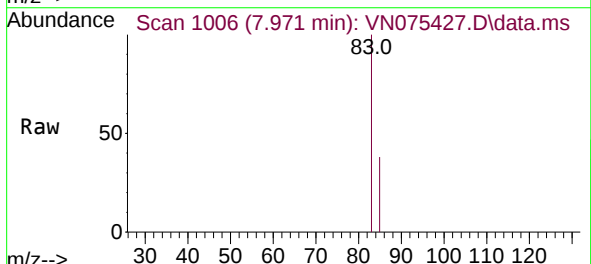


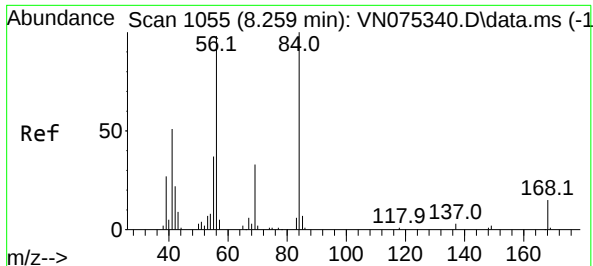
Tgt Ion: 96 Resp: 446
 Ion Ratio Lower Upper
 96 100
 61 68.8 0.0 278.8
 98 15.7 0.0 128.4



#30
 Chloroform
 Concen: 0.442 ug/l
 RT: 7.971 min Scan# 1006
 Delta R.T. -0.000 min
 Lab File: VN075427.D
 Acq: 25 Nov 2022 17:42

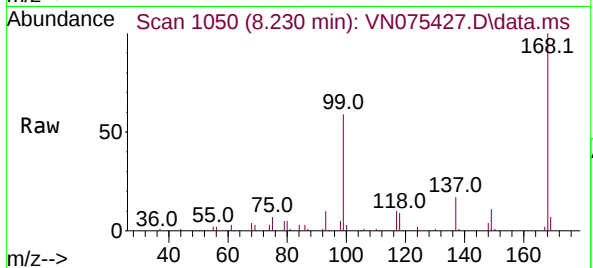
Tgt Ion: 83 Resp: 1263
 Ion Ratio Lower Upper
 83 100
 85 37.5 51.4 77.0#



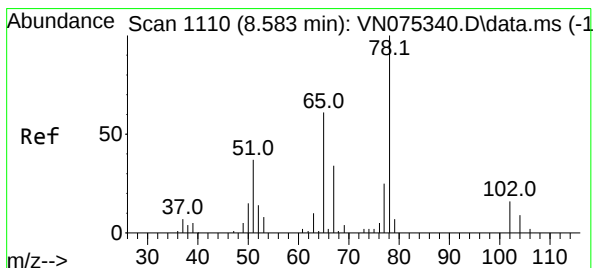
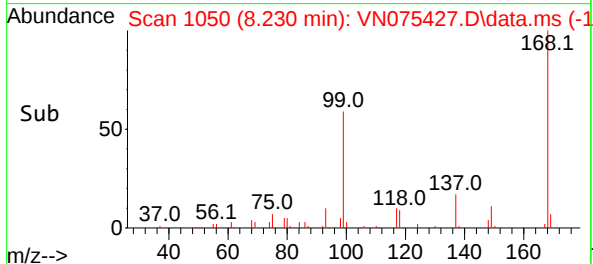
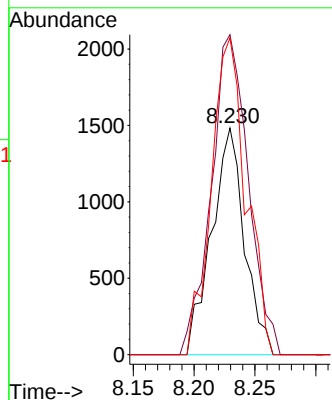


#31
Cyclohexane
Concen: 1.147 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

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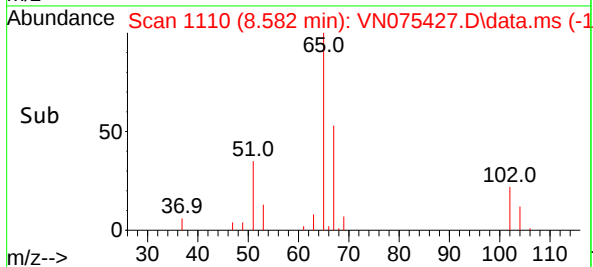
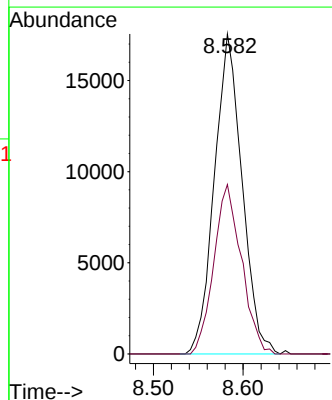
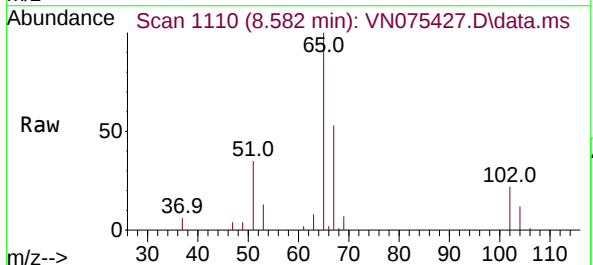


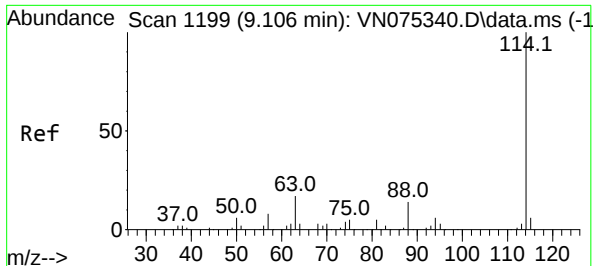
Tgt Ion: 56 Resp: 2776
Ion Ratio Lower Upper
56 100
69 141.2 25.2 37.8#
84 139.8 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 49.278 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Tgt Ion: 65 Resp: 37549
Ion Ratio Lower Upper
65 100
67 53.0 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: VN075427.D

Acq: 25 Nov 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

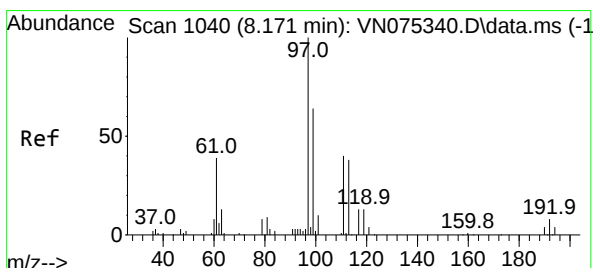
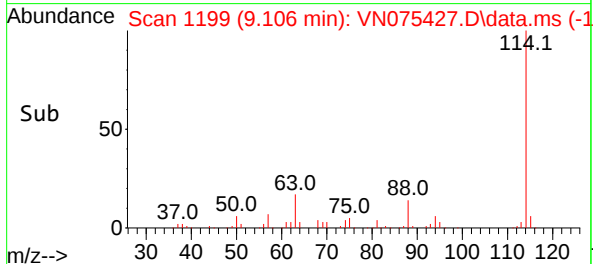
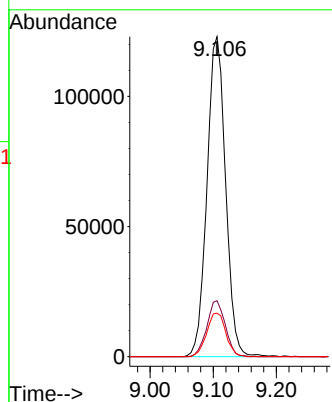
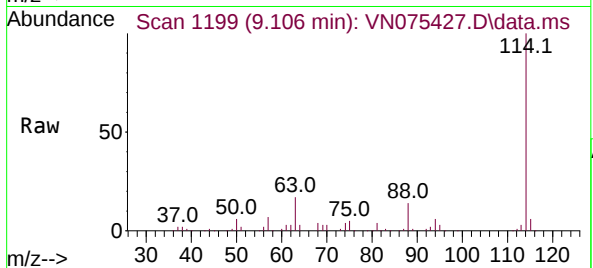
Tgt Ion:114 Resp: 251389

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 13.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 46.662 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075427.D

Acq: 25 Nov 2022 17:42

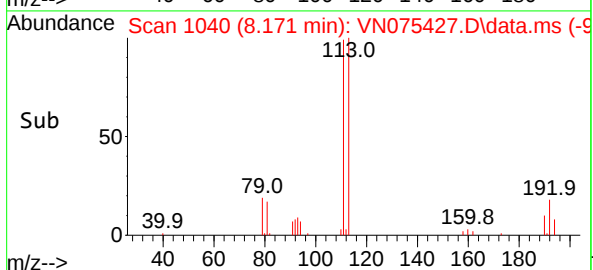
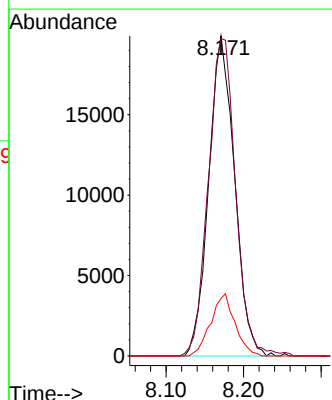
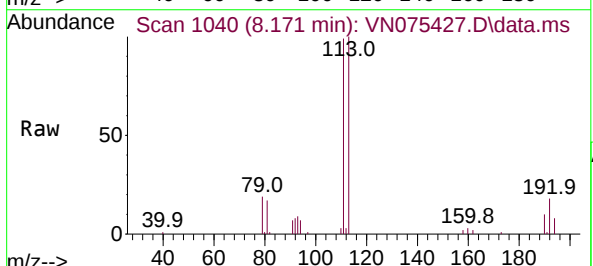
Tgt Ion:113 Resp: 46081

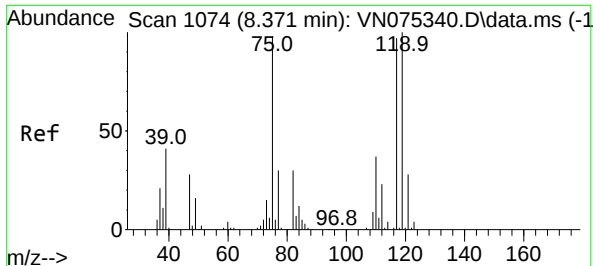
Ion Ratio Lower Upper

113 100

111 104.5 80.5 120.7

192 18.2 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.859 ug/l

RT: 8.230 min Scan# 1049

Delta R.T. -0.141 min

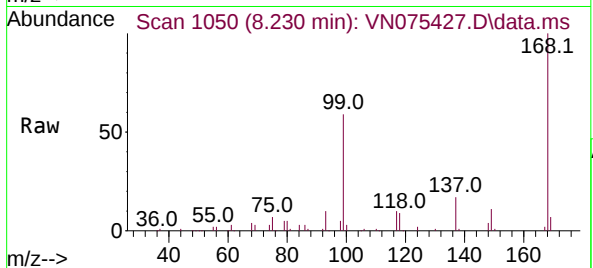
Lab File: VN075427.D

Acq: 25 Nov 2022 17:42

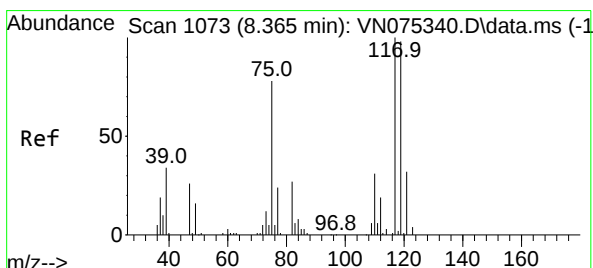
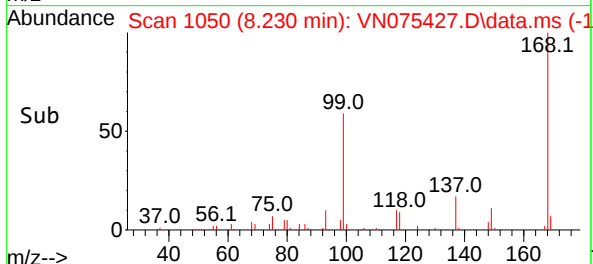
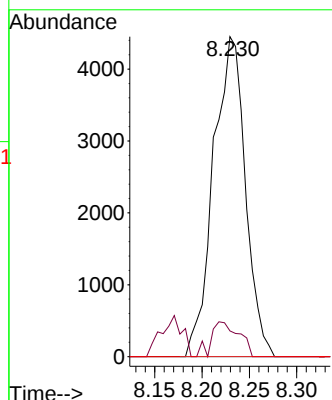
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 10464
Ion Ratio	Lower Upper
75	100
110	9.5 17.8 53.3#
77	0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.020 ug/l

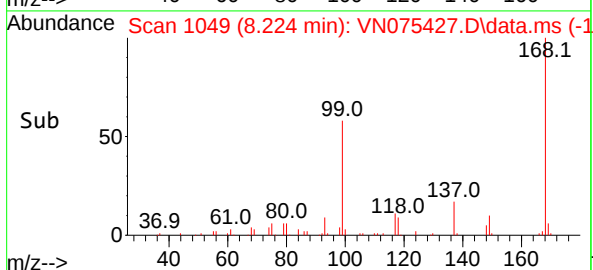
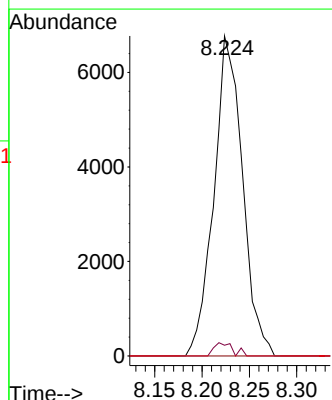
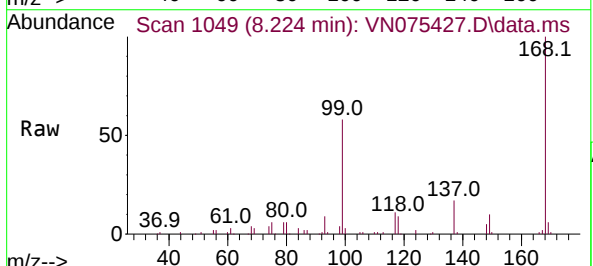
RT: 8.224 min Scan# 1049

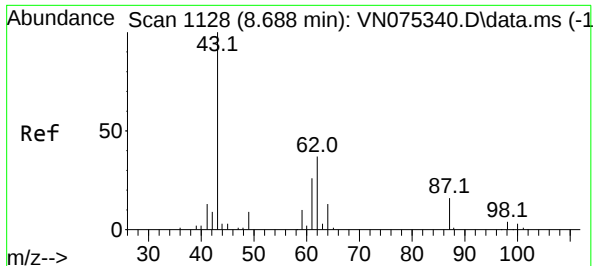
Delta R.T. -0.141 min

Lab File: VN075427.D

Acq: 25 Nov 2022 17:42

Tgt Ion: 117	Resp: 14243
Ion Ratio	Lower Upper
117	100
119	3.4 76.7 115.1#
121	0.0 23.9 35.9#

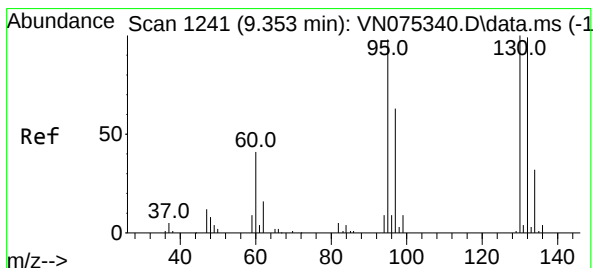
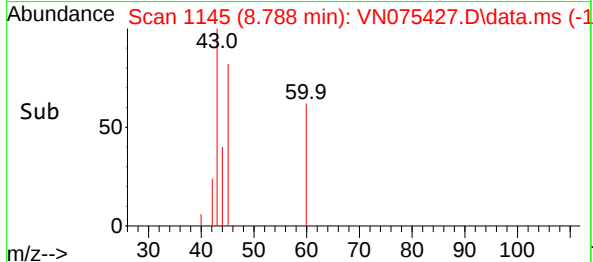
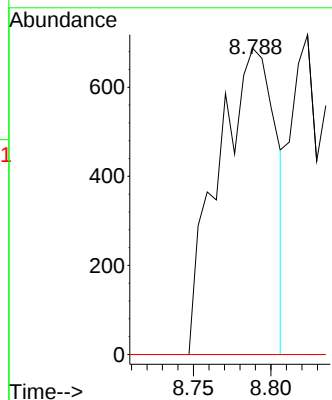
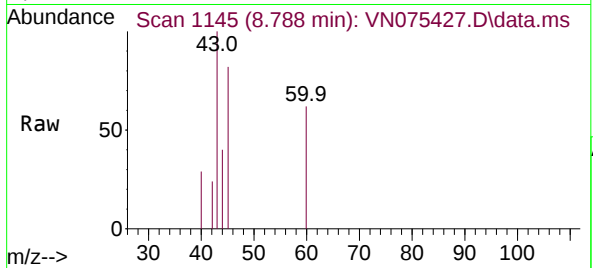




#43
Isopropyl Acetate
Concen: 0.570 ug/l
RT: 8.788 min Scan# 1128
Delta R.T. 0.100 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

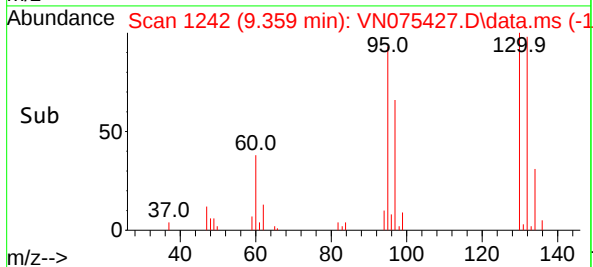
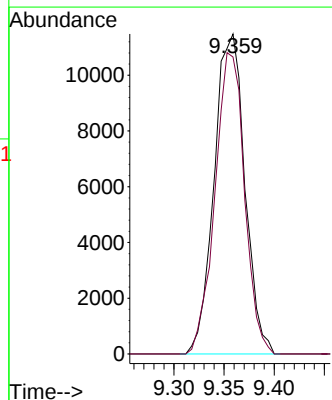
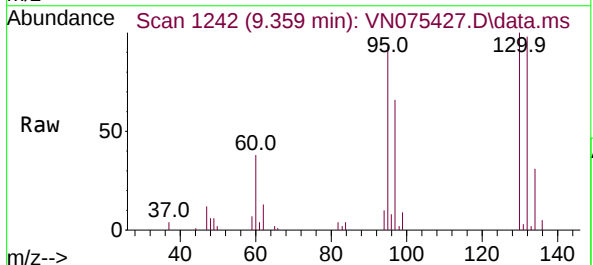
Instrument :
MSVOA_N
ClientSampleId :

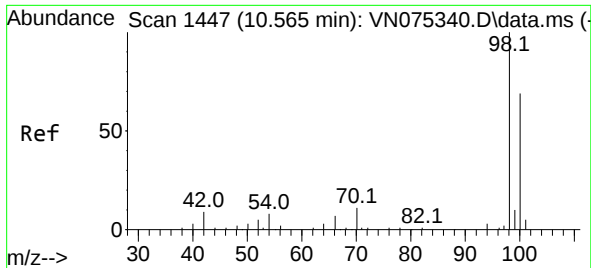
Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#



#44
Trichloroethene
Concen: 13.555 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Tgt Ion:130 Resp: 24455
Ion Ratio Lower Upper
130 100
95 92.8 0.0 198.4

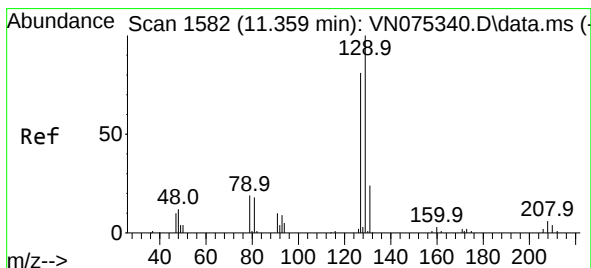
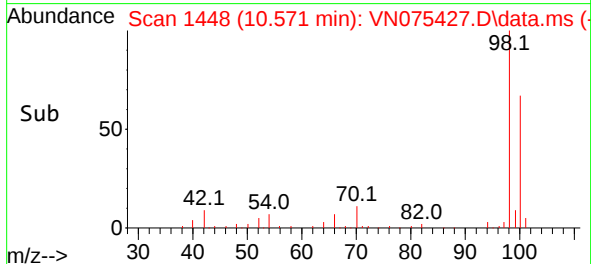
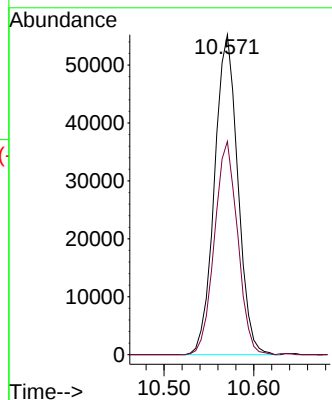
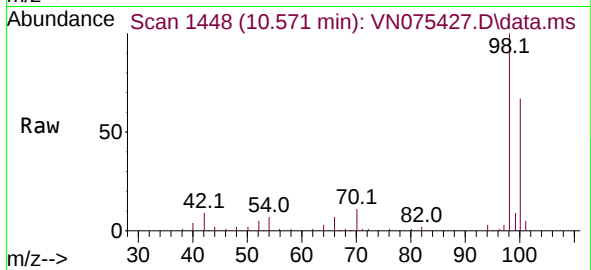




#50
Toluene-d8
Concen: 44.821 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

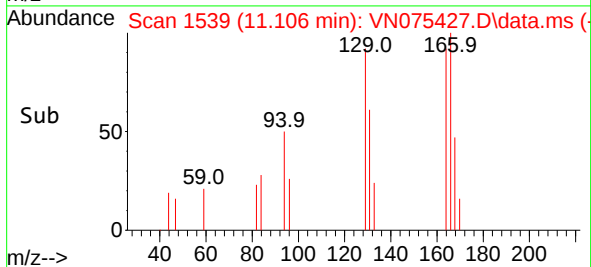
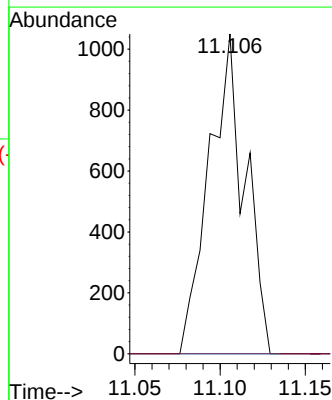
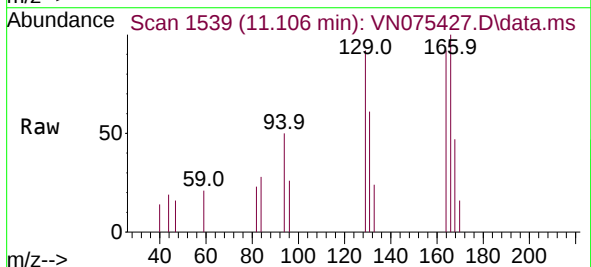
Instrument :
MSVOA_N
ClientSampleId :

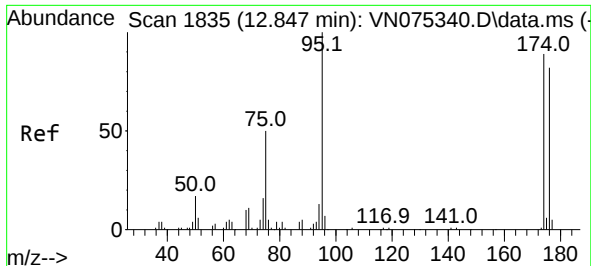
Tgt Ion: 98 Resp: 99692
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6



#60
Dibromochloromethane
Concen: 0.866 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.253 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Tgt Ion:129 Resp: 1539
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

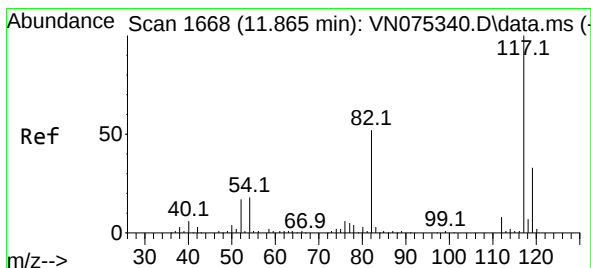
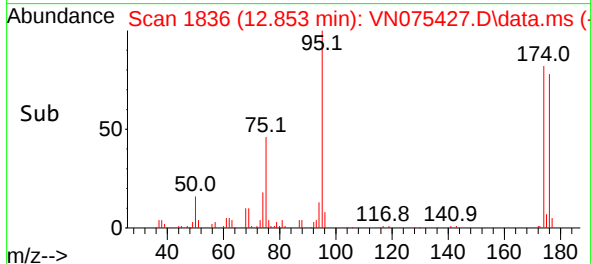
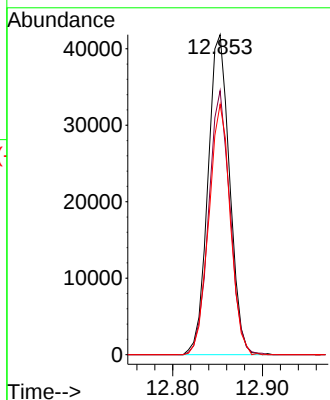
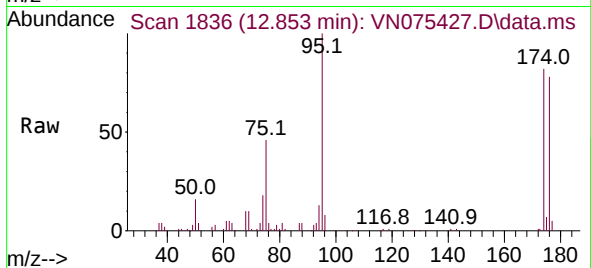




#62
4-Bromofluorobenzene
Concen: 42.724 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

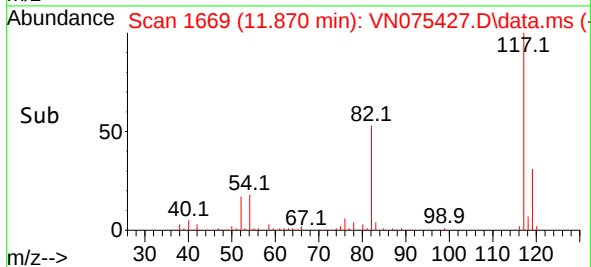
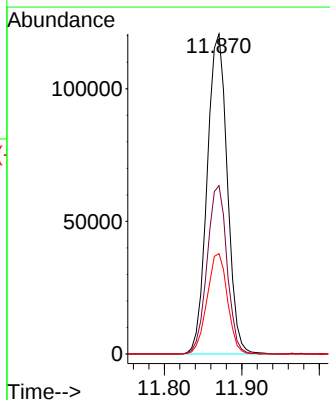
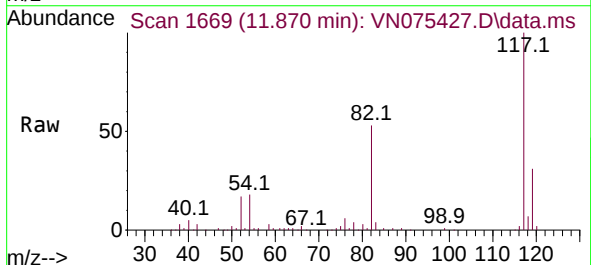
Instrument :
MSVOA_N
ClientSampleId :

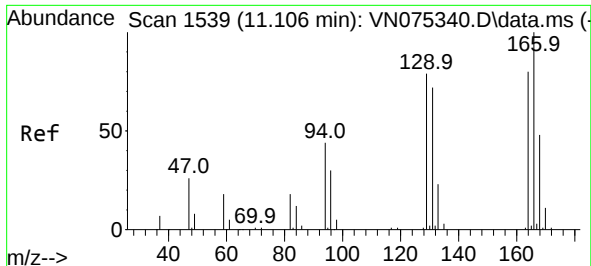
Tgt Ion: 95 Resp: 70140
Ion Ratio Lower Upper
95 100
174 80.8 0.0 147.4
176 77.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

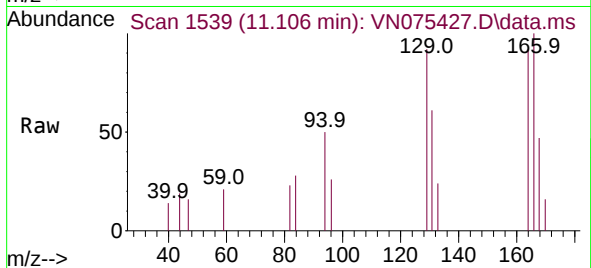
Tgt Ion: 117 Resp: 217731
Ion Ratio Lower Upper
117 100
82 52.6 43.1 64.7
119 31.4 25.5 38.3



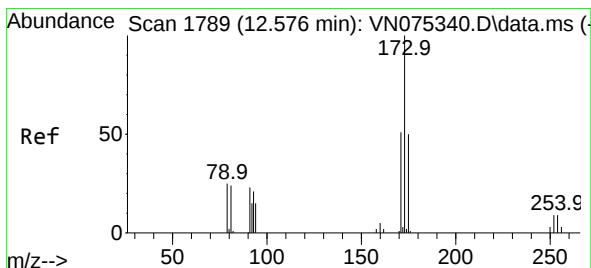
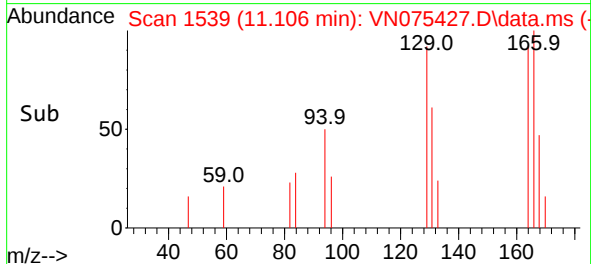
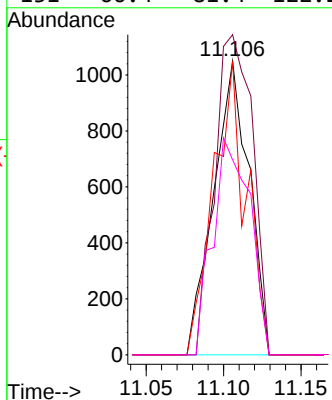


#64
Tetrachloroethene
Concen: 1.007 ug/l
RT: 11.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :

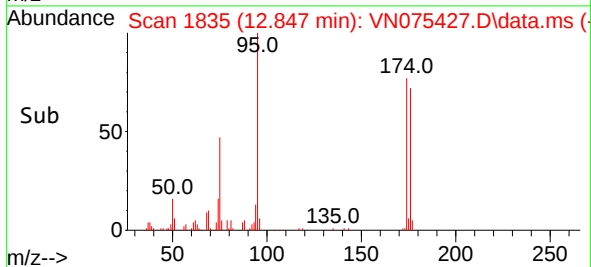
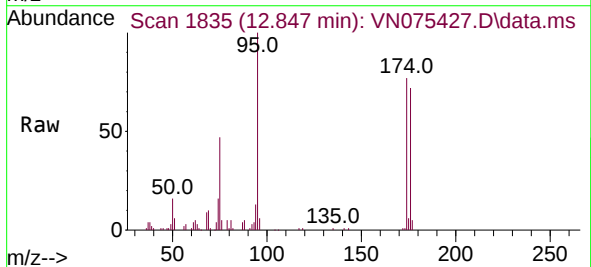
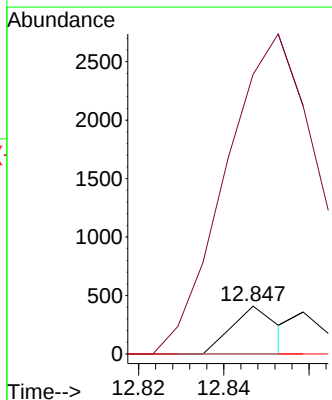


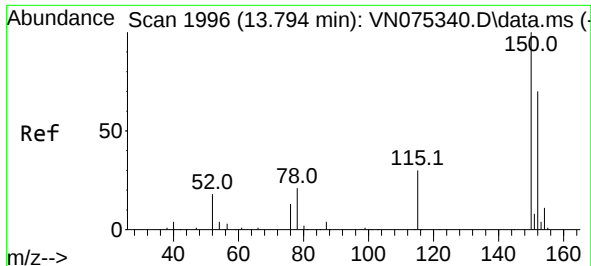
Tgt Ion:164 Resp: 1675
Ion Ratio Lower Upper
164 100
166 109.0 106.5 159.7
129 100.0 81.9 122.9
131 66.4 81.4 122.2#



#71
Bromoform
Concen: 0.237 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

Tgt Ion:173 Resp: 303
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

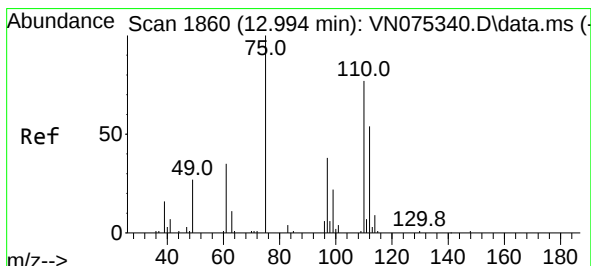
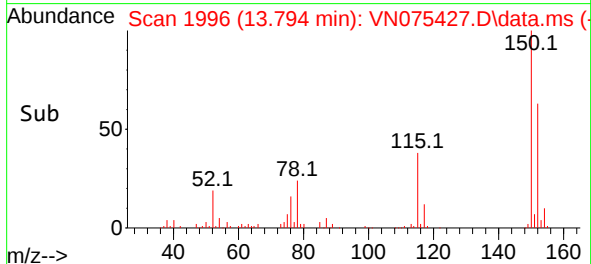
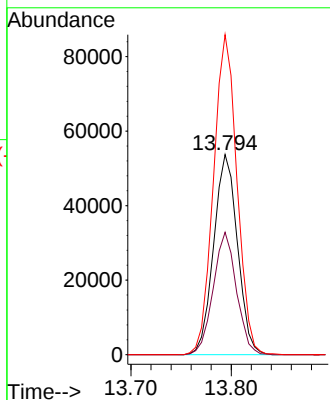
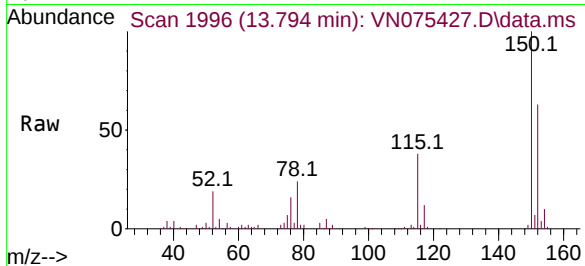




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

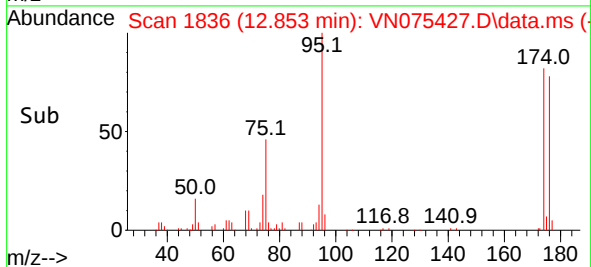
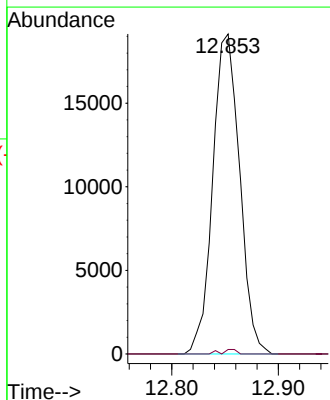
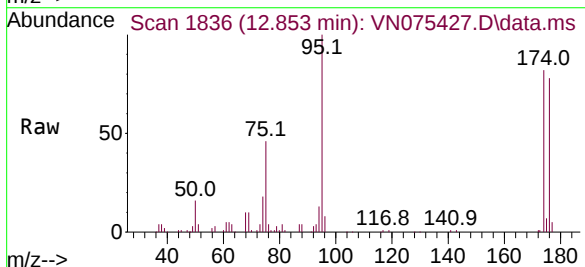
Instrument :
MSVOA_N
ClientSampleId :

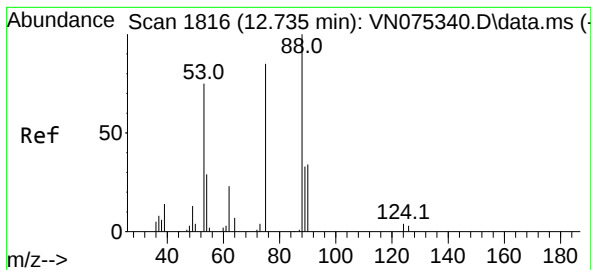
Tgt Ion:152 Resp: 88549
Ion Ratio Lower Upper
152 100
115 59.6 30.2 90.6
150 157.9 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 20.034 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075427.D
Acq: 25 Nov 2022 17:42

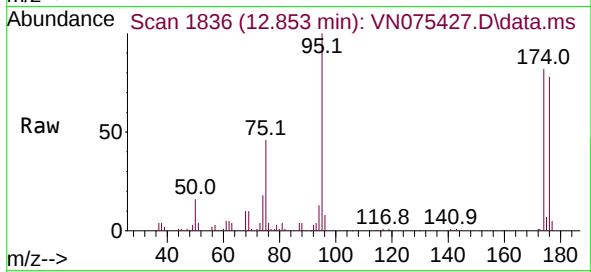
Tgt Ion: 75 Resp: 33541
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.275 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.118 min
 Lab File: VN075427.D
 Acq: 25 Nov 2022 17:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 33541
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

