

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074544.D
 Acq On : 17 Sep 2022 05:45
 Operator : JC\MD
 Sample : N4549-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-60

Quant Time: Sep 17 06:20:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

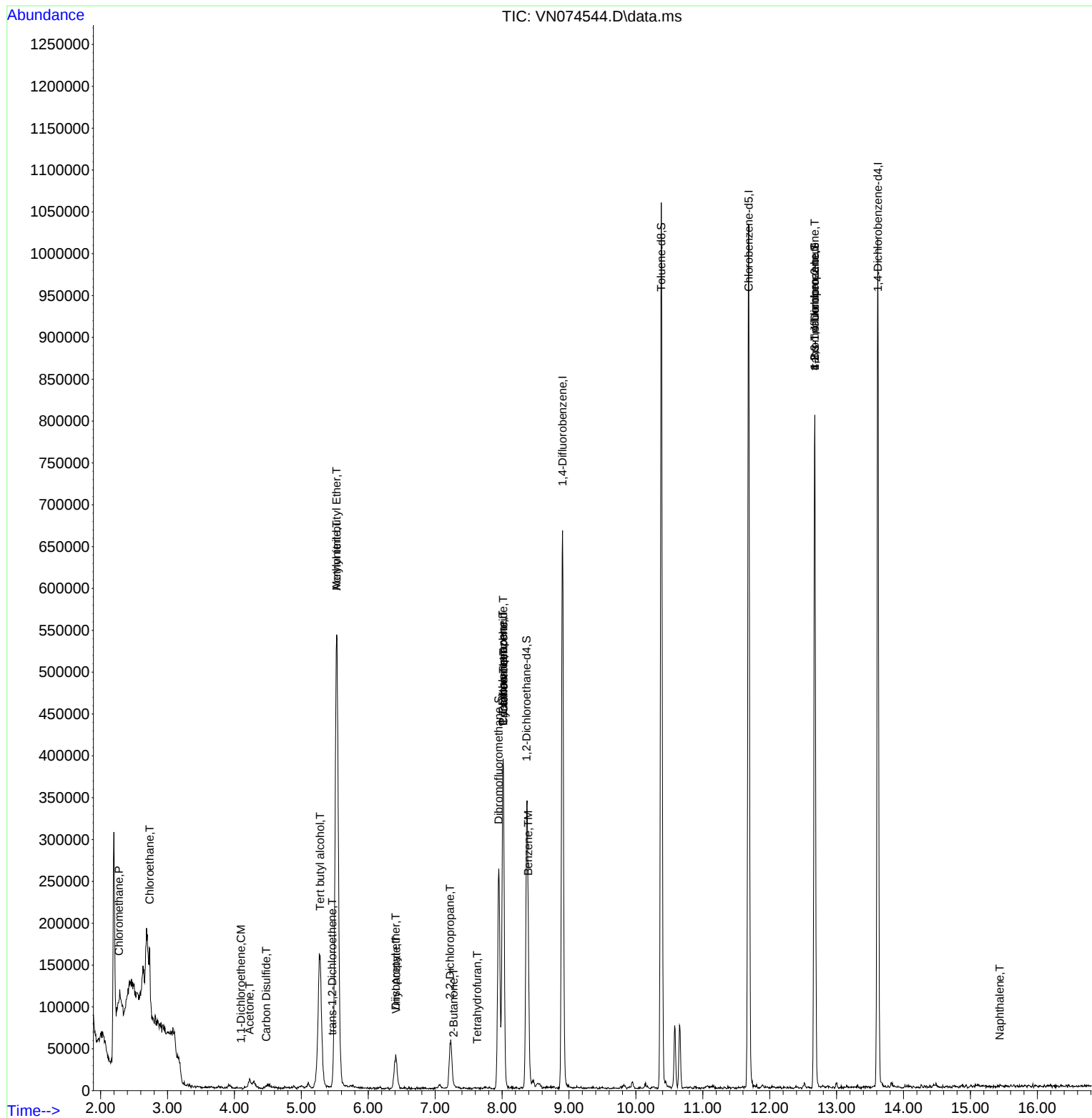
Internal Standards						
1) Pentafluorobenzene	8.022	168	280340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	552843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	535549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	229652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	227054	47.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.460%		
35) Dibromofluoromethane	7.951	113	183219	49.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.780%		
50) Toluene-d8	10.380	98	670601	47.217	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.440%		
62) 4-Bromofluorobenzene	12.674	95	245158	50.399	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.800%		
Target Compounds					Qvalue	
3) Chloromethane	2.275	50	1922	0.631	ug/l #	71
6) Chloroethane	2.734	64	33954	9.051	ug/l #	46
11) Tert butyl alcohol	5.281	59	304434	196.473	ug/l	97
12) 1,1-Dichloroethene	4.098	96	222	0.744	ug/l #	1
15) Acrylonitrile	5.528	53	9716	2.791	ug/l #	19
16) Acetone	4.228	43	16640	5.467	ug/l	94
17) Carbon Disulfide	4.475	76	2629	0.260	ug/l #	75
19) Methyl tert-butyl Ether	5.528	73	865631	55.628	ug/l	94
21) trans-1,2-Dichloroethene	5.463	96	195	0.477	ug/l #	1
22) Diisopropyl ether	6.410	45	50423	2.848	ug/l #	83
23) Vinyl Acetate	6.416	43	26547	1.700	ug/l #	68
25) 2-Butanone	7.275	43	1328	0.263	ug/l	100
26) 2,2-Dichloropropane	7.222	77	4060	0.532	ug/l #	53
29) Tetrahydrofuran	7.628	42	1482	0.446	ug/l #	38
31) Cyclohexane	8.022	56	11726	1.389	ug/l #	61
36) 1,1-Dichloropropene	8.010	75	27672	4.257	ug/l #	49
38) Carbon Tetrachloride	8.016	117	30248	5.040	ug/l #	19
40) Benzene	8.392	78	92782	4.616	ug/l	100
76) 1,2,3-Trichloropropane	12.674	75	147843	20.915	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	147843	45.141	ug/l #	10
95) Naphthalene	15.439	128	590	1.618	ug/l #	69

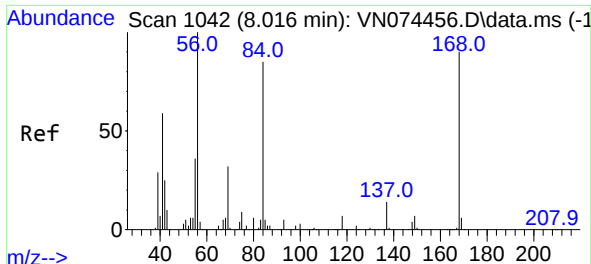
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

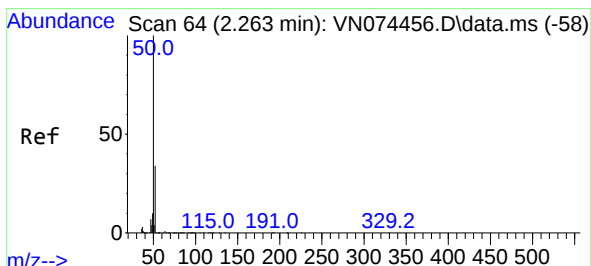
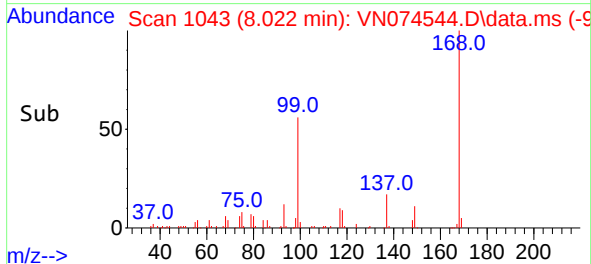
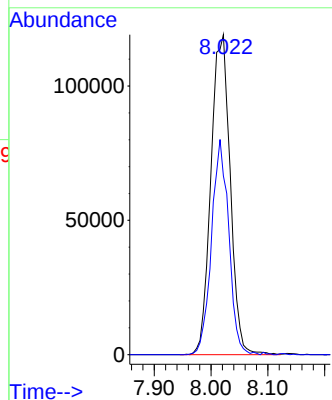
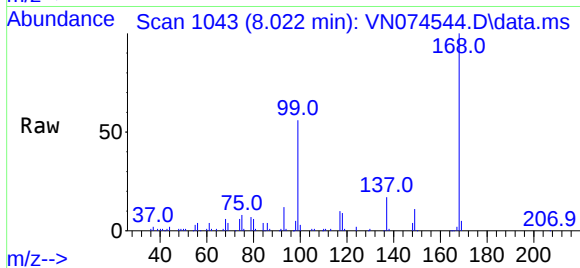




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

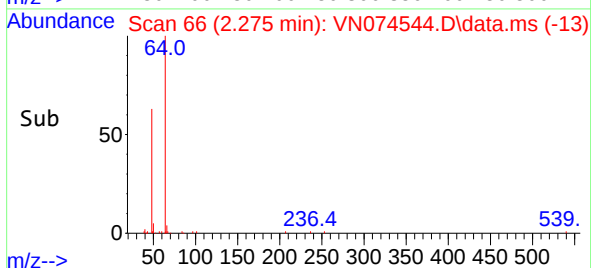
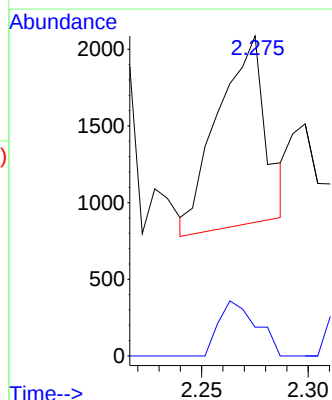
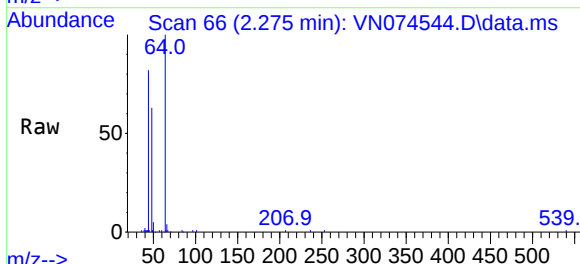
Instrument :
MSVOA_N
ClientSampleId :
MW-60

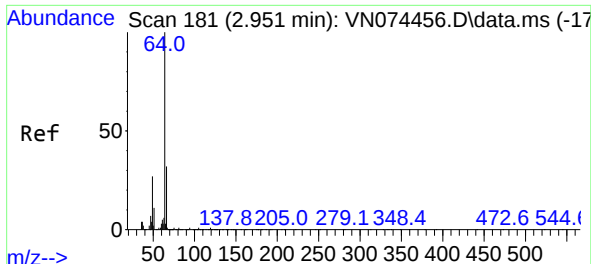
Tgt Ion:168 Resp: 280340
Ion Ratio Lower Upper
168 100
99 55.9 42.3 63.5



#3
Chloromethane
Concen: 0.631 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 50 Resp: 1922
Ion Ratio Lower Upper
50 100
52 15.8 25.7 38.5#

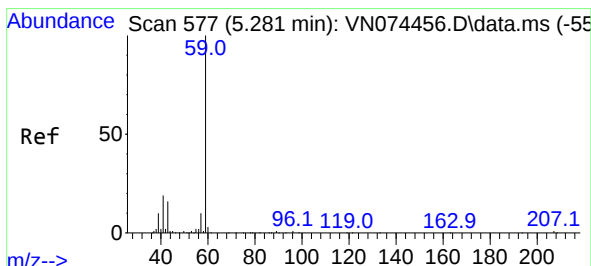
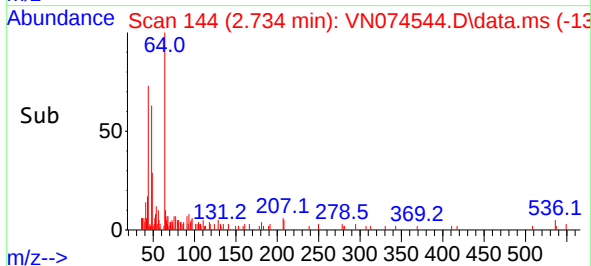
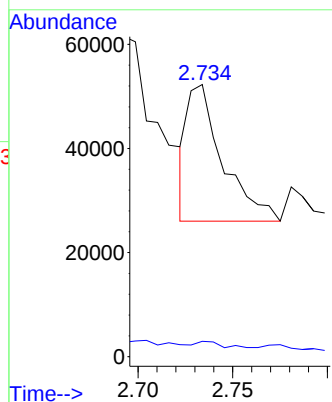
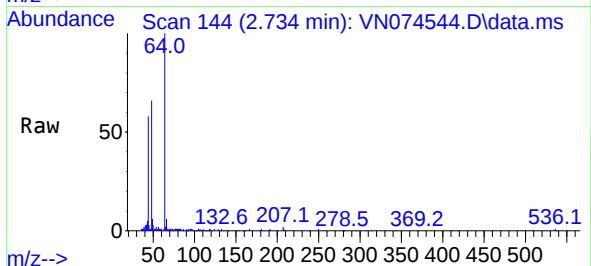




#6
Chloroethane
Concen: 9.051 ug/l
RT: 2.734 min Scan# 14
Delta R.T. -0.217 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

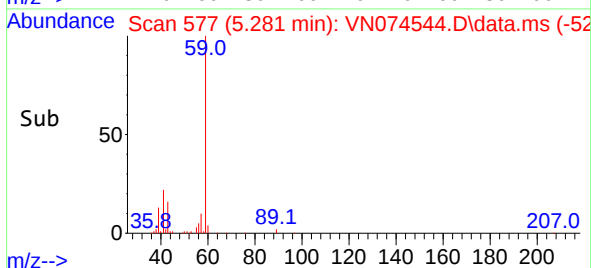
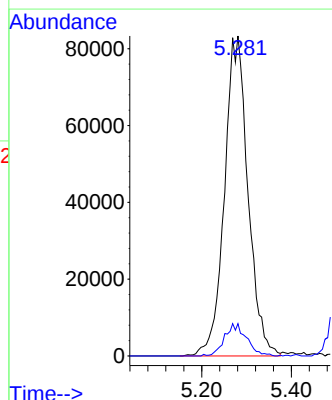
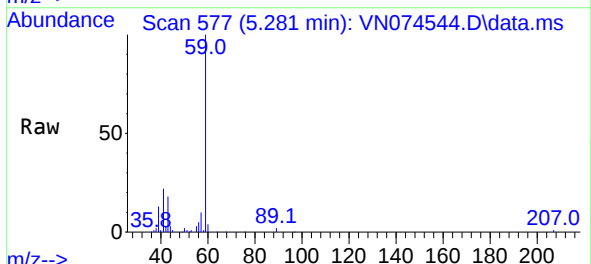
Instrument :
MSVOA_N
ClientSampleId :
MW-60

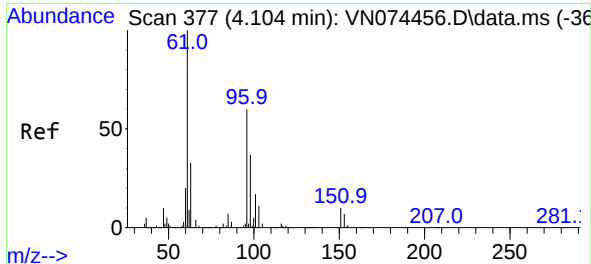
Tgt Ion: 64 Resp: 33954
Ion Ratio Lower Upper
64 100
66 2.5 26.2 39.4#



#11
Tert butyl alcohol
Concen: 196.473 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 59 Resp: 304434
Ion Ratio Lower Upper
59 100
57 9.4 8.3 12.5

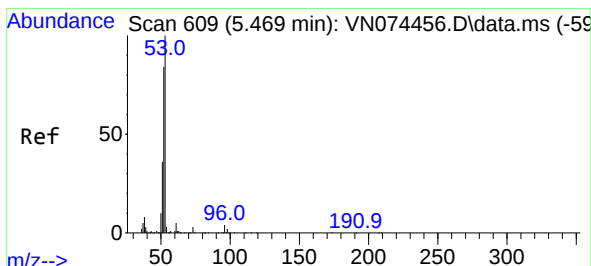
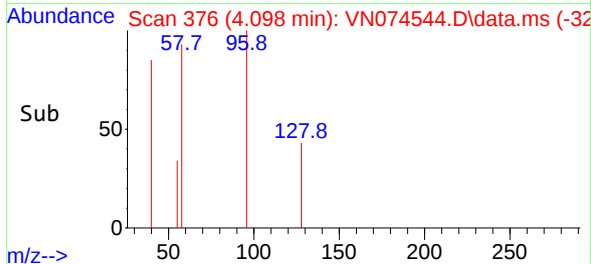
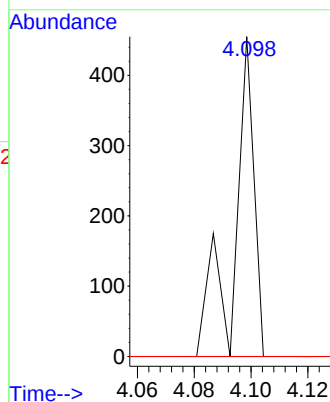
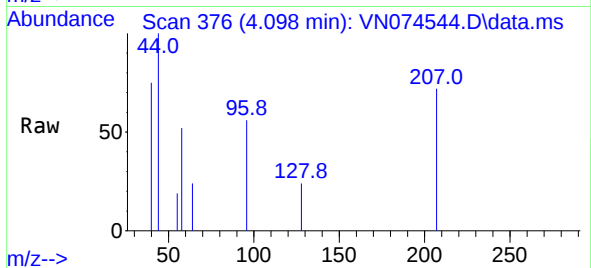




#12
1,1-Dichloroethene
Concen: 0.744 ug/l
RT: 4.098 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

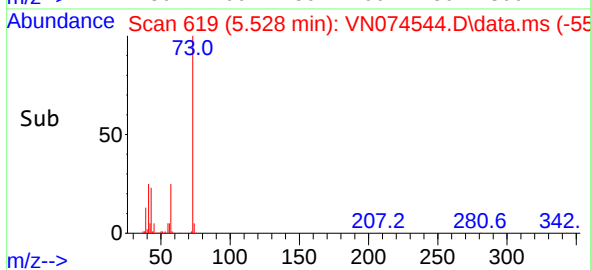
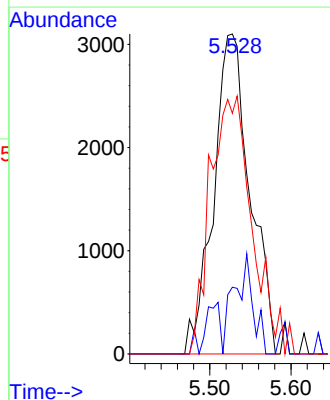
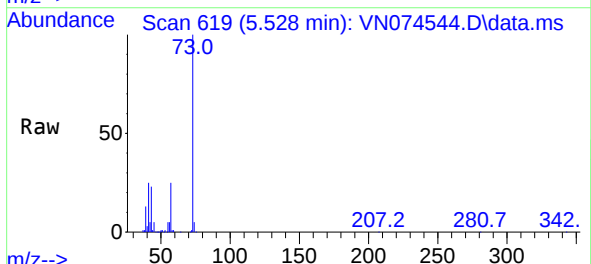
Instrument :
MSVOA_N
ClientSampleId :
MW-60

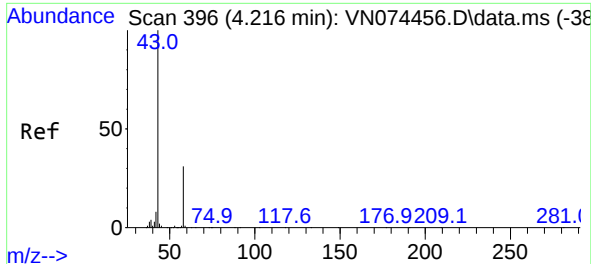
Tgt Ion: 96 Resp: 222
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#15
Acrylonitrile
Concen: 2.791 ug/l
RT: 5.528 min Scan# 619
Delta R.T. 0.059 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 53 Resp: 9716
Ion Ratio Lower Upper
53 100
52 16.2 66.4 99.6#
51 92.3 28.5 42.7#





#16

Acetone

Concen: 5.467 ug/l

RT: 4.228 min Scan# 396

Delta R.T. 0.012 min

Lab File: VN074544.D

Acq: 17 Sep 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

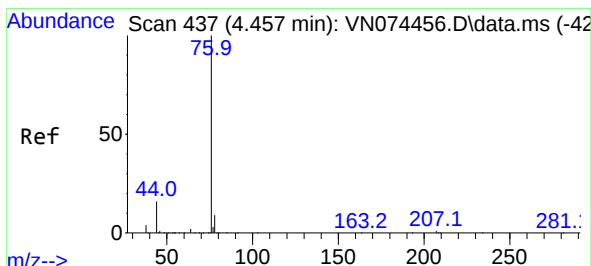
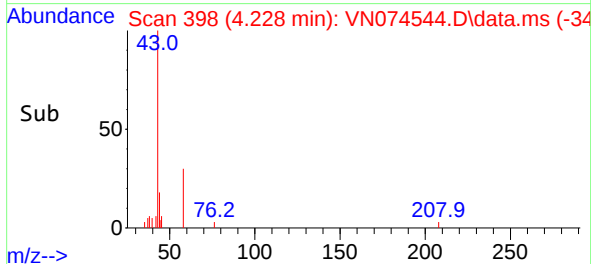
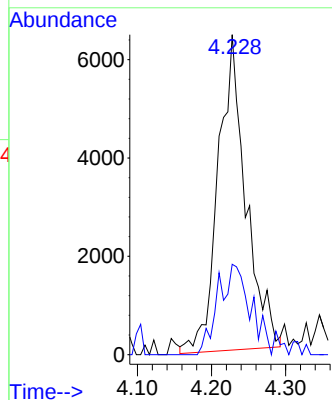
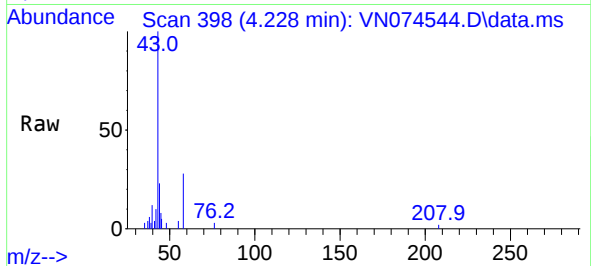
MW-60

Tgt Ion: 43 Resp: 16640

Ion Ratio Lower Upper

43 100

58 28.9 26.0 39.0



#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 4.475 min Scan# 440

Delta R.T. 0.018 min

Lab File: VN074544.D

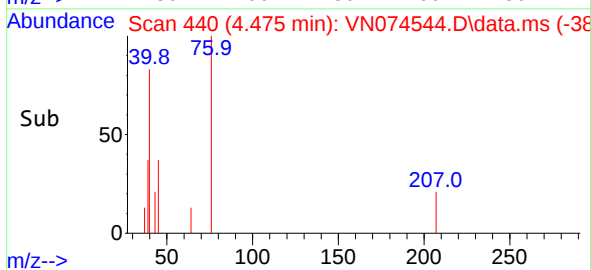
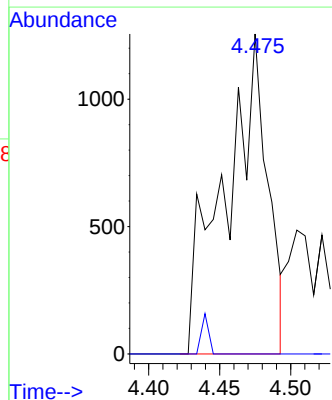
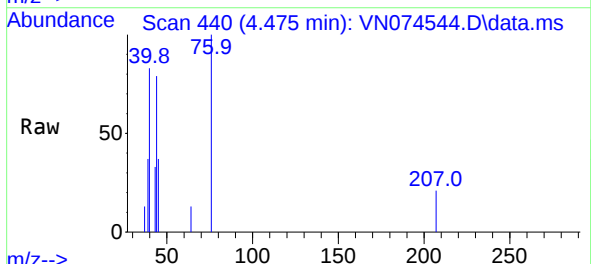
Acq: 17 Sep 2022 05:45

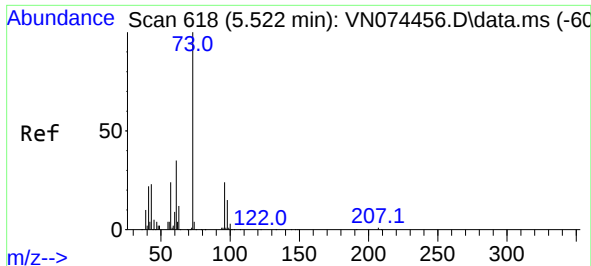
Tgt Ion: 76 Resp: 2629

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#19

Methyl tert-butyl Ether

Concen: 55.628 ug/l

RT: 5.528 min Scan# 618

Delta R.T. 0.006 min

Lab File: VN074544.D

Acq: 17 Sep 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

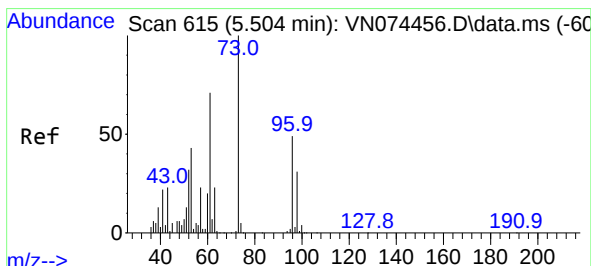
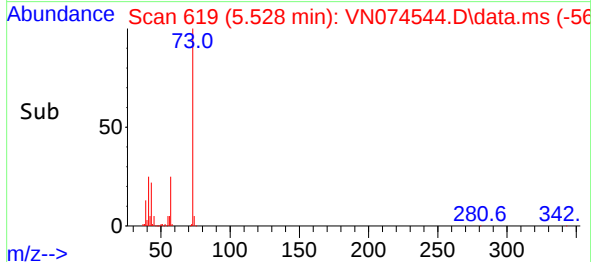
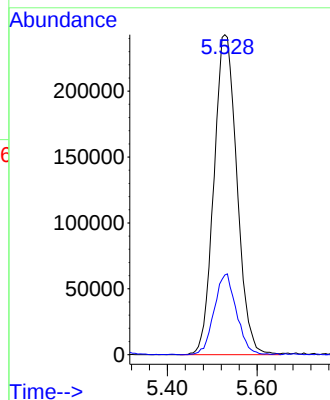
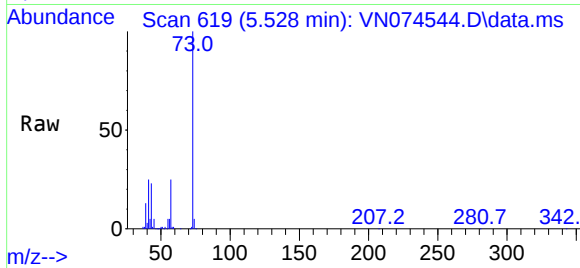
MW-60

Tgt Ion: 73 Resp: 865631

Ion Ratio Lower Upper

73 100

57 24.9 17.6 26.4



#21

trans-1,2-Dichloroethene

Concen: 0.477 ug/l

RT: 5.463 min Scan# 608

Delta R.T. -0.041 min

Lab File: VN074544.D

Acq: 17 Sep 2022 05:45

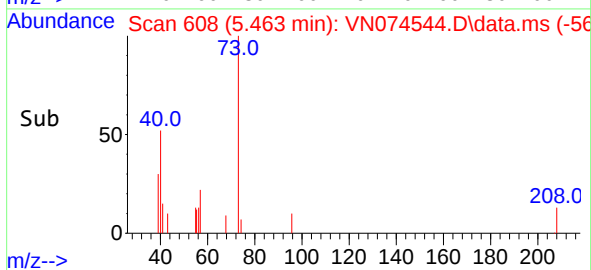
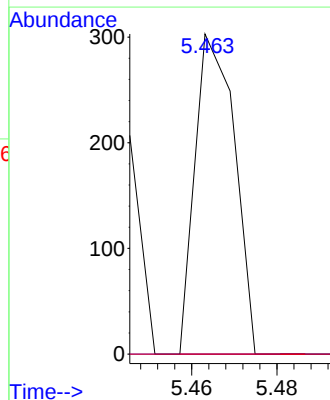
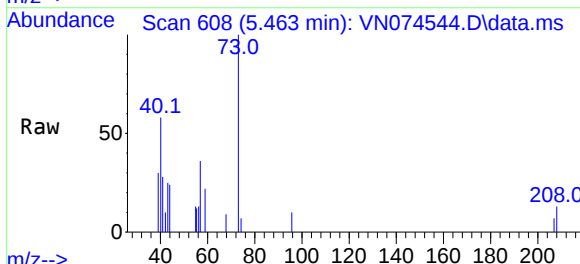
Tgt Ion: 96 Resp: 195

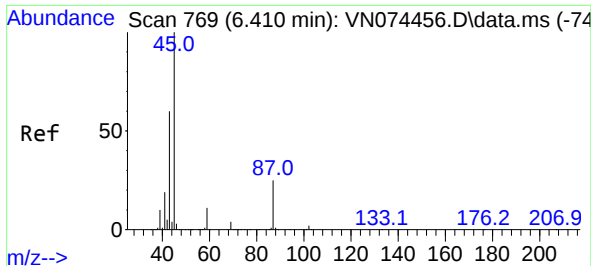
Ion Ratio Lower Upper

96 100

61 0.0 105.8 158.8#

98 0.0 50.3 75.5#

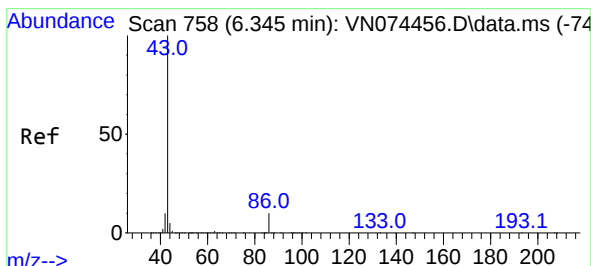
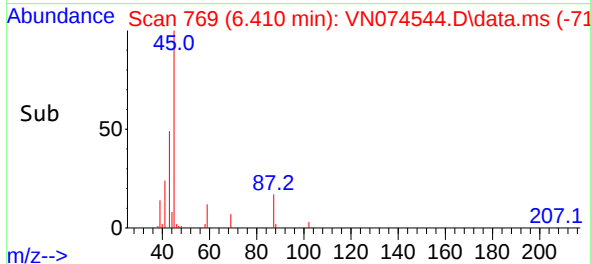
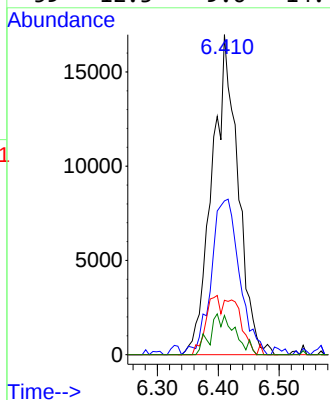
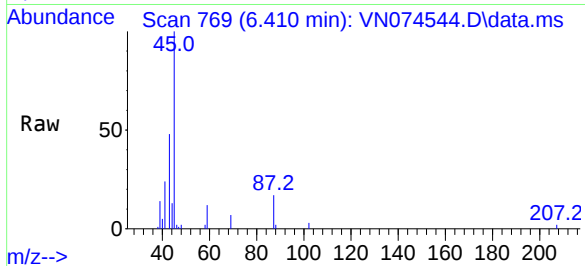




#22
Diisopropyl ether
Concen: 2.848 ug/l
RT: 6.410 min Scan# 770
Delta R.T. 0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

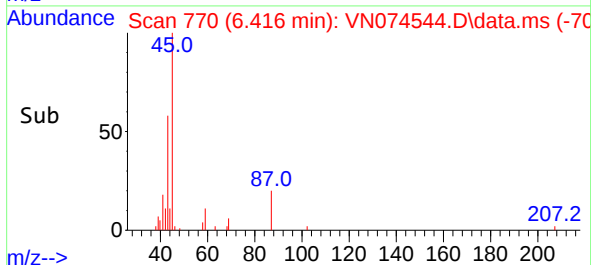
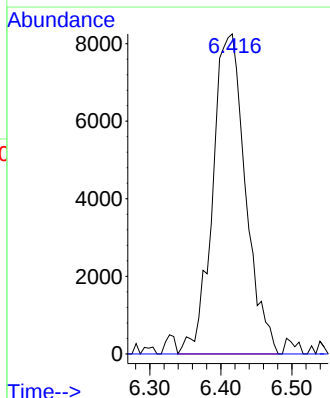
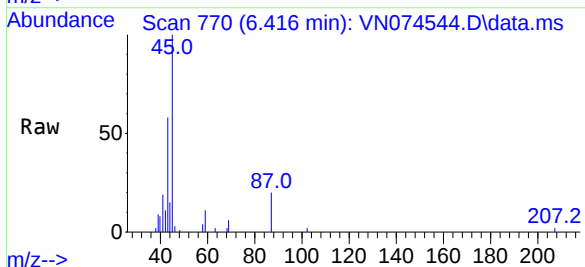
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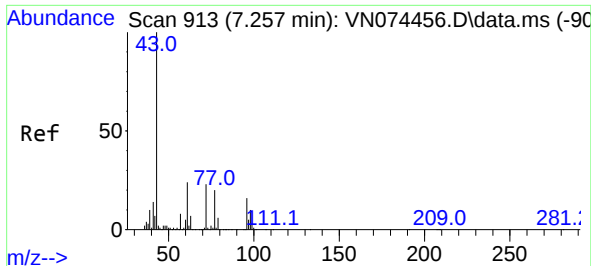
Tgt Ion:	45	Resp:	50423
Ion	Ratio	Lower	Upper
45	100		
43	46.2	46.6	70.0#
87	17.0	24.3	36.5#
59	12.3	9.6	14.4



#23
Vinyl Acetate
Concen: 1.700 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.071 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion:	43	Resp:	26547
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.0	15.0#

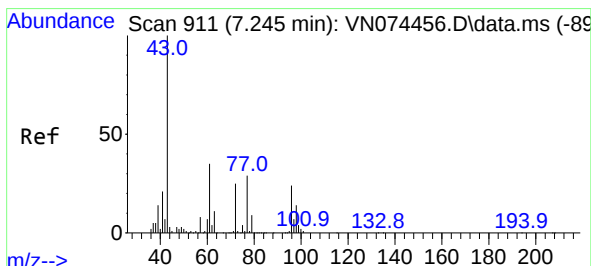
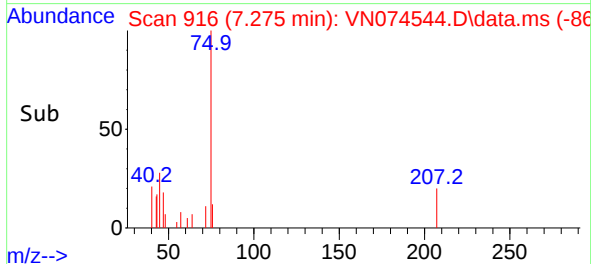
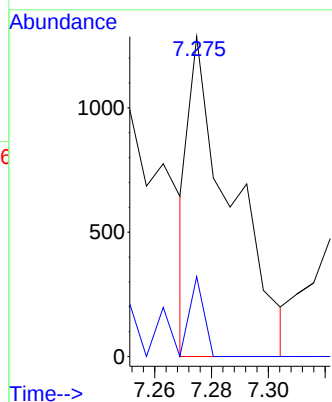
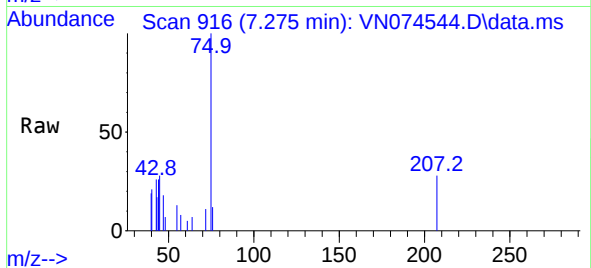




#25
2-Butanone
Concen: 0.263 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

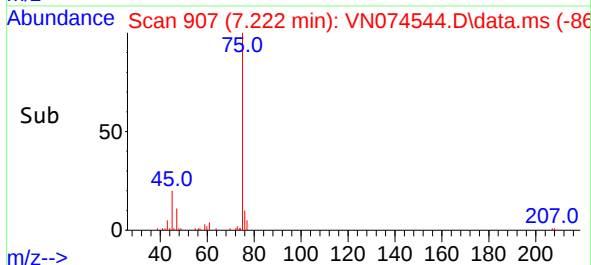
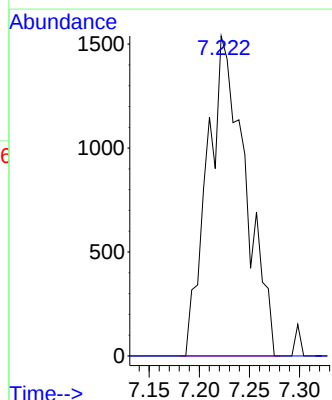
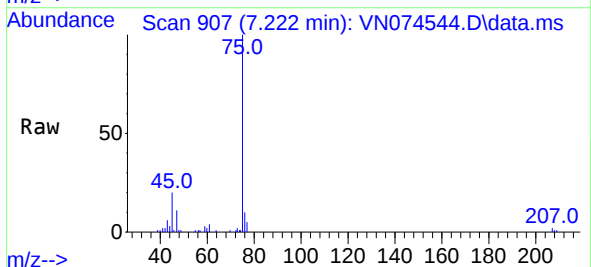
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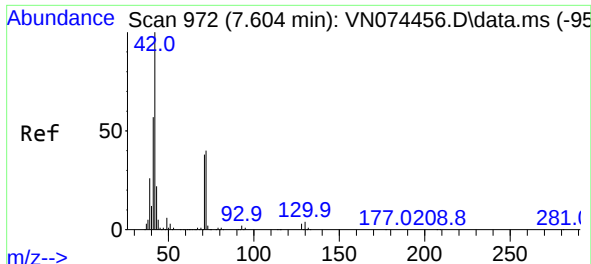
Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
72 29.5 23.7 35.5



#26
2,2-Dichloropropane
Concen: 0.532 ug/l
RT: 7.222 min Scan# 907
Delta R.T. -0.023 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 77 Resp: 4060
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

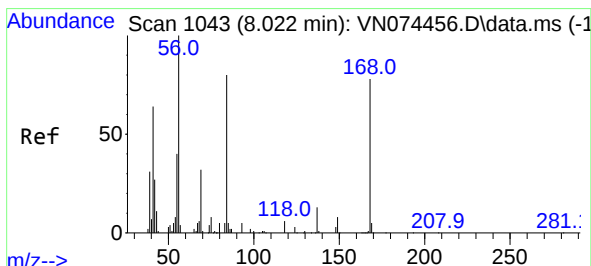
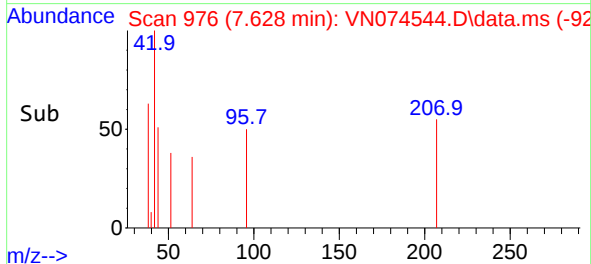
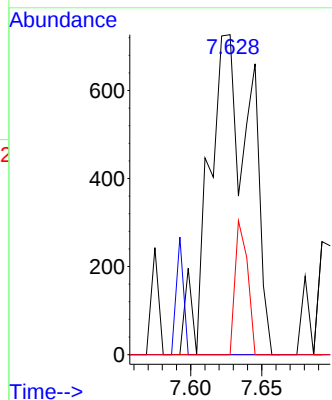
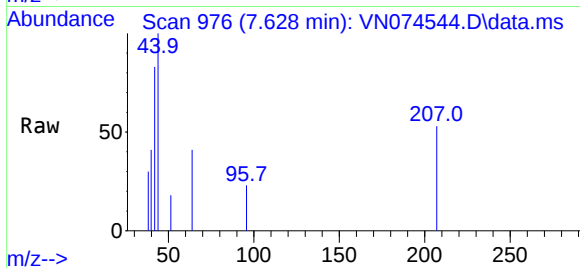




#29
Tetrahydrofuran
Concen: 0.446 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

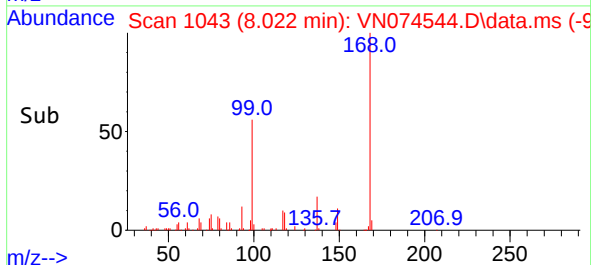
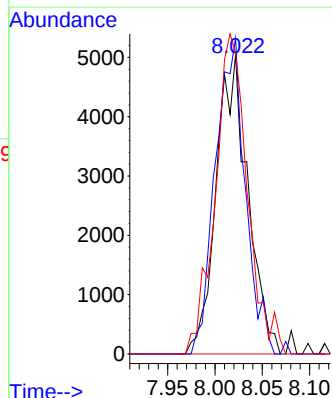
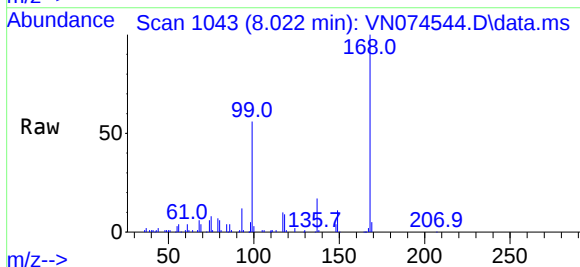
Instrument :
MSVOA_N
ClientSampleId :
MW-60

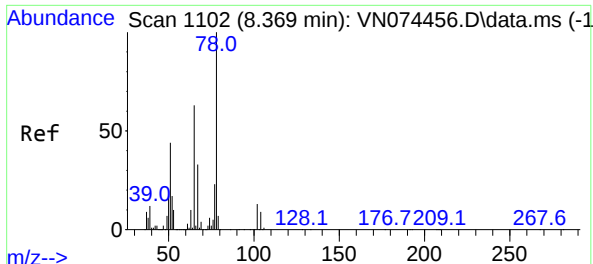
Tgt Ion: 42 Resp: 1482
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 12.5 36.6 55.0#



#31
Cyclohexane
Concen: 1.389 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 56 Resp: 11726
Ion Ratio Lower Upper
56 100
69 105.4 27.8 41.8#
84 105.0 76.9 115.3

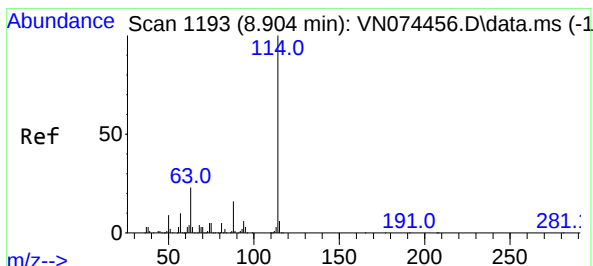
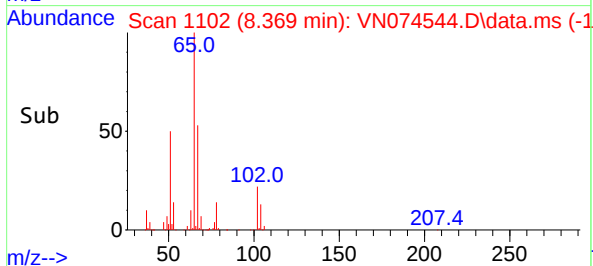
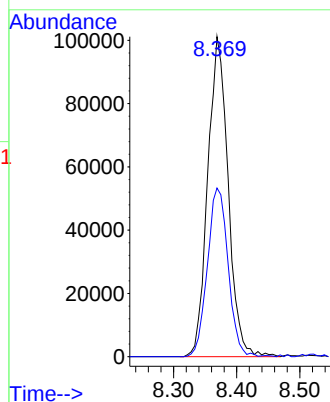
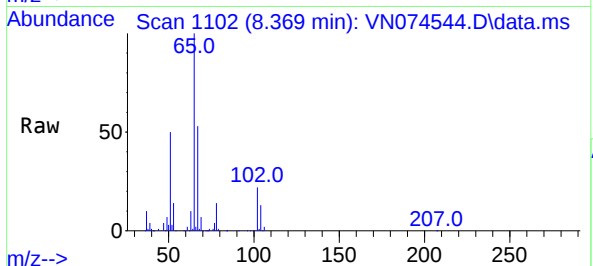




#33
1,2-Dichloroethane-d4
Concen: 47.734 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

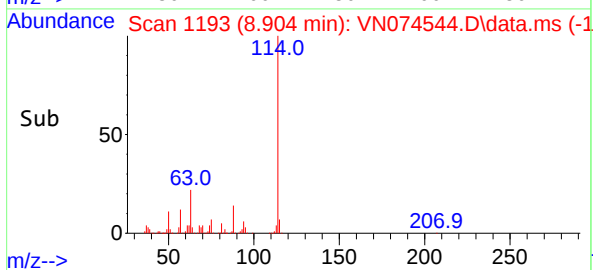
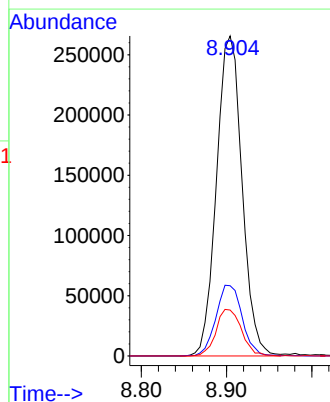
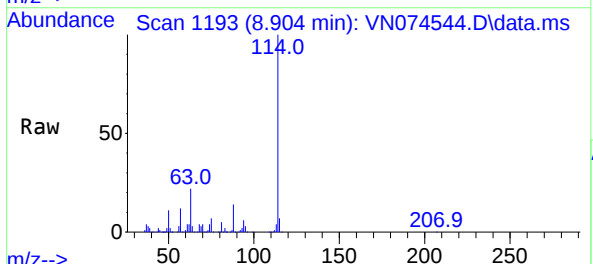
Instrument :
MSVOA_N
ClientSampleId :
MW-60

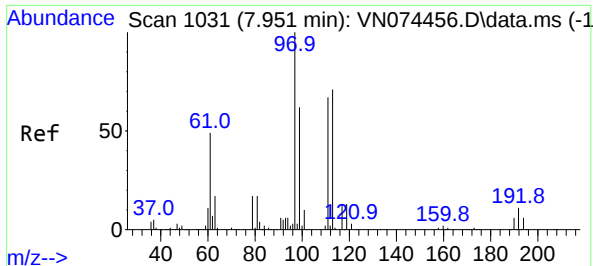
Tgt Ion: 65 Resp: 227054
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 114 Resp: 552843
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.0
88 14.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.890 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074544.D

Acq: 17 Sep 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

MW-60

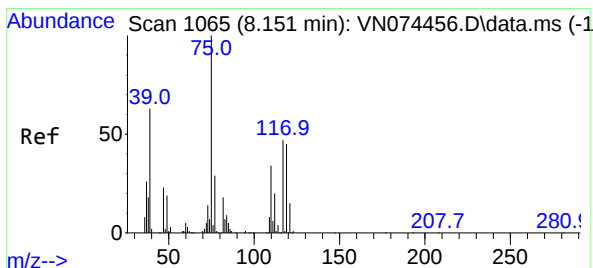
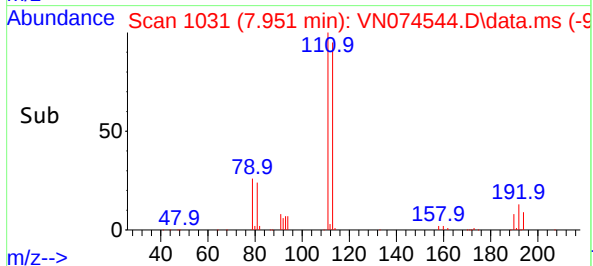
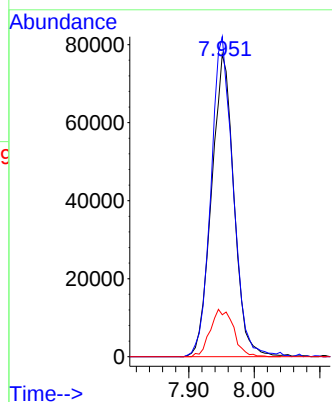
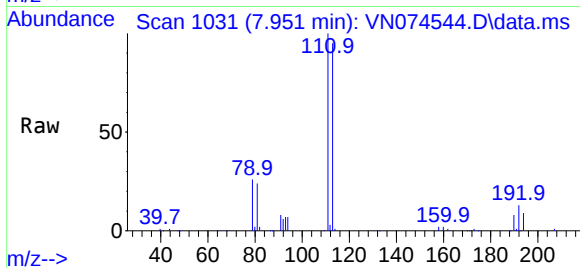
Tgt Ion:113 Resp: 183219

Ion Ratio Lower Upper

113 100

111 105.3 81.4 122.0

192 16.4 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 4.257 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074544.D

Acq: 17 Sep 2022 05:45

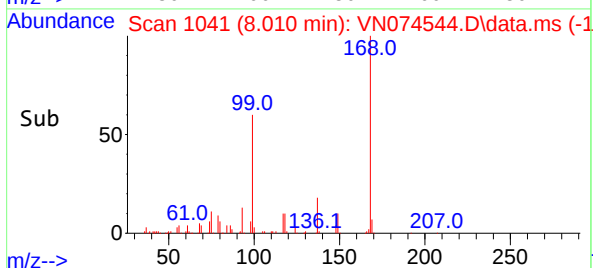
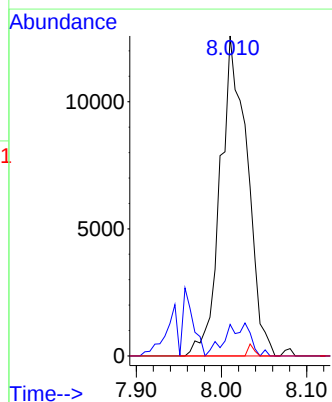
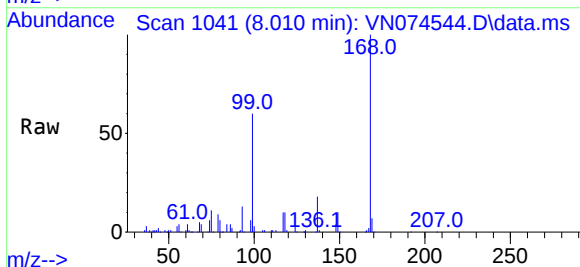
Tgt Ion: 75 Resp: 27672

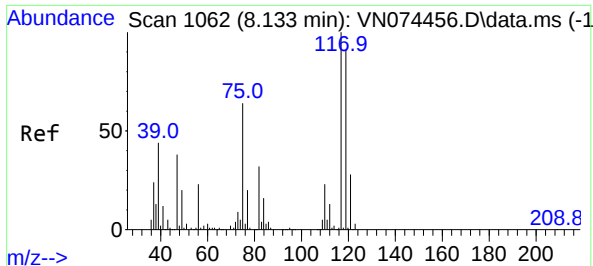
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 25.1 37.7#

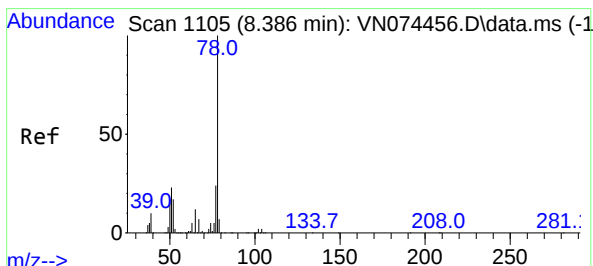
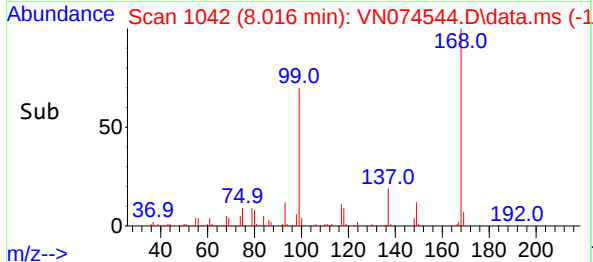
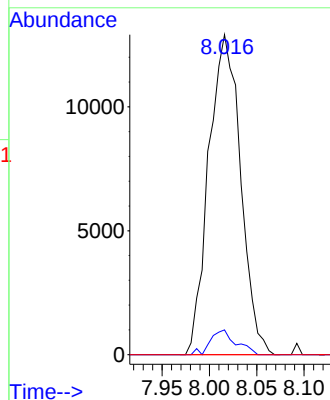
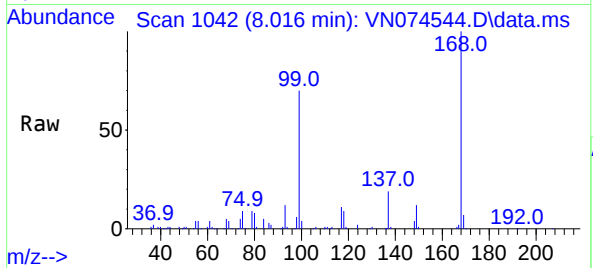




#38
Carbon Tetrachloride
Concen: 5.040 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.117 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

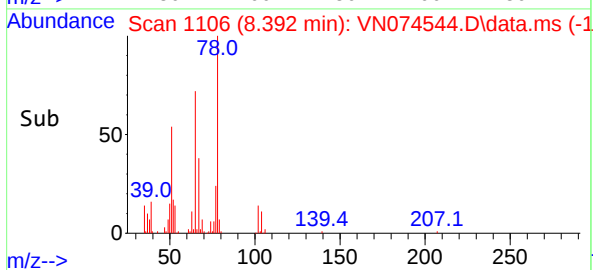
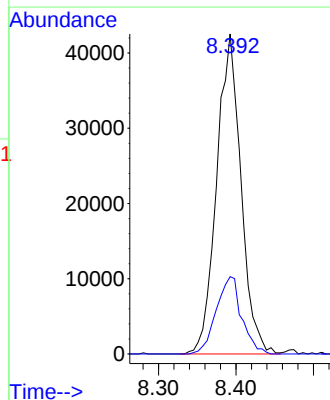
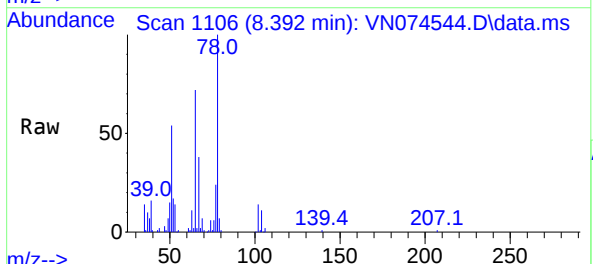
Instrument :
MSVOA_N
ClientSampleId :
MW-60

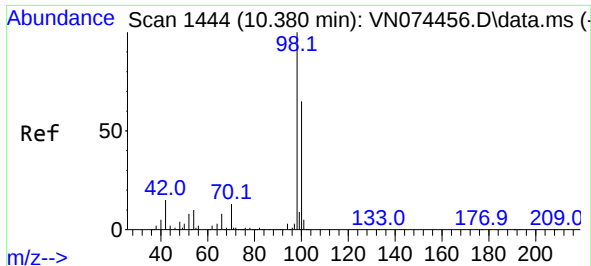
Tgt Ion:117 Resp: 30248
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 4.616 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 78 Resp: 92782
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

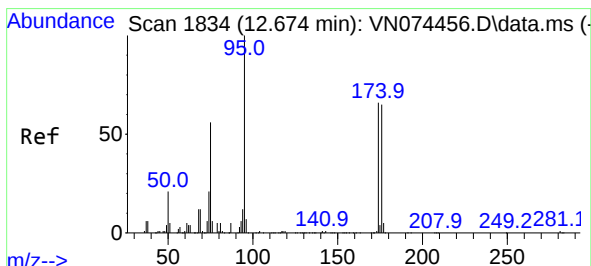
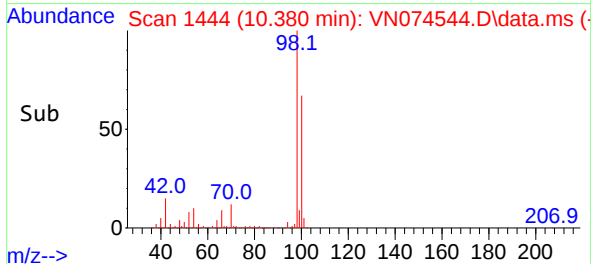
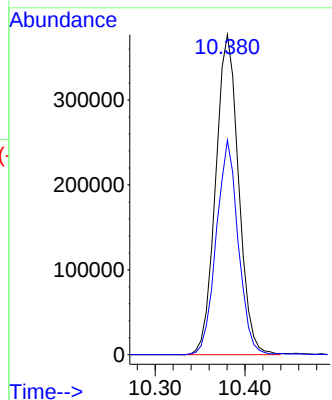
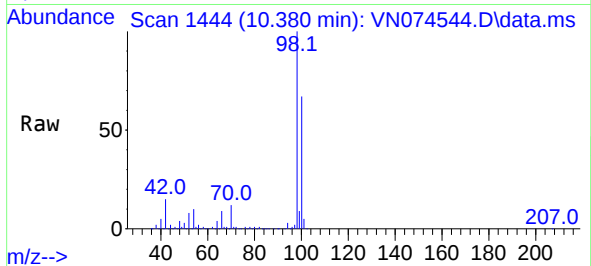




#50
Toluene-d8
Concen: 47.217 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

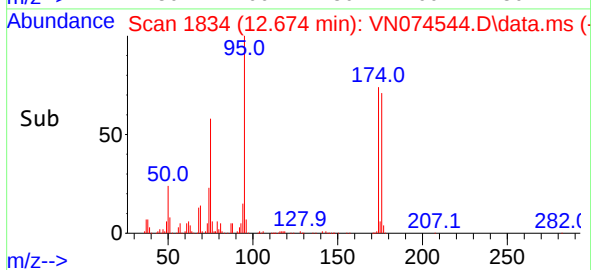
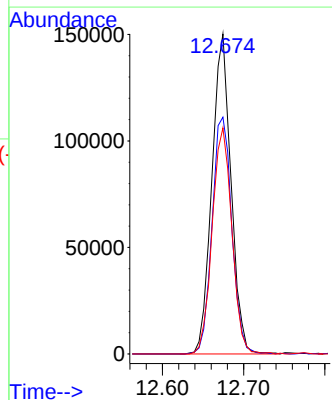
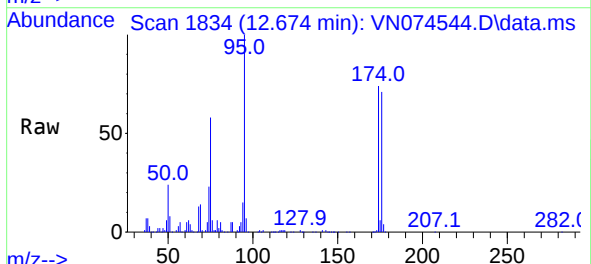
Instrument :
MSVOA_N
ClientSampleId :
MW-60

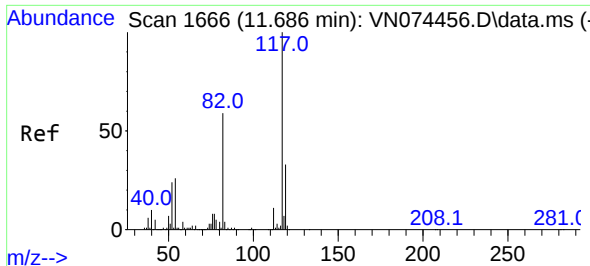
Tgt Ion: 98 Resp: 670601
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.399 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 95 Resp: 245158
Ion Ratio Lower Upper
95 100
174 76.8 0.0 167.6
176 72.7 0.0 163.4

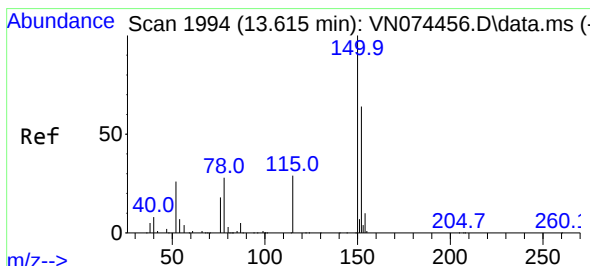
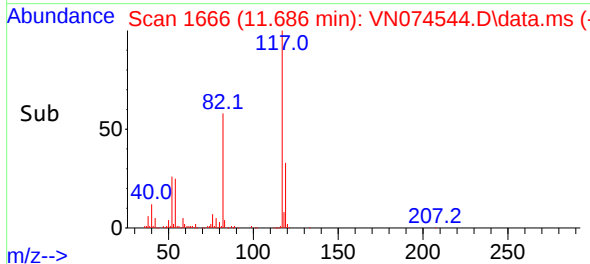
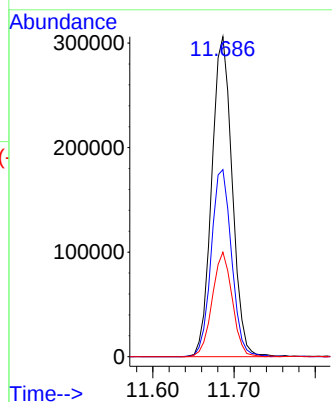
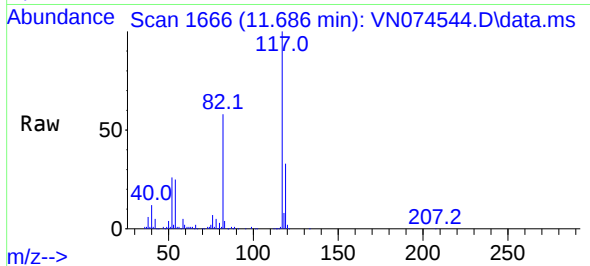




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

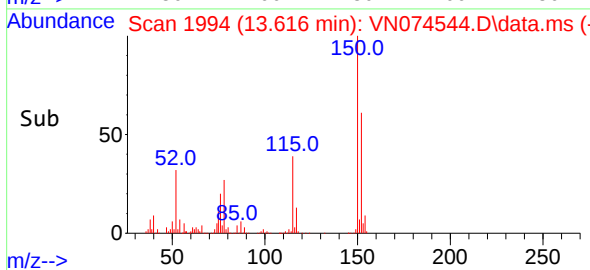
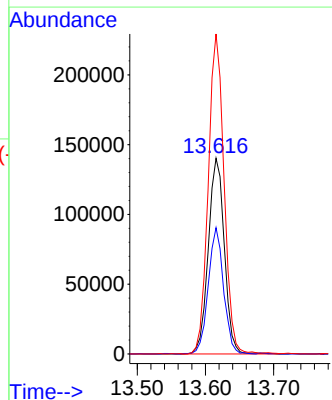
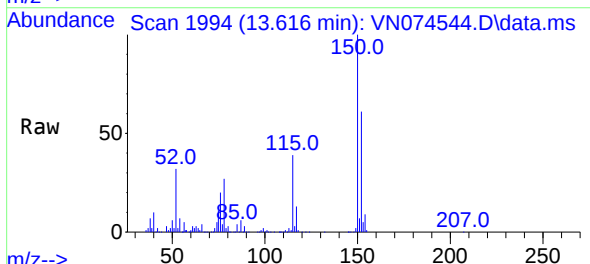
Instrument :
MSVOA_N
ClientSampleId :
MW-60

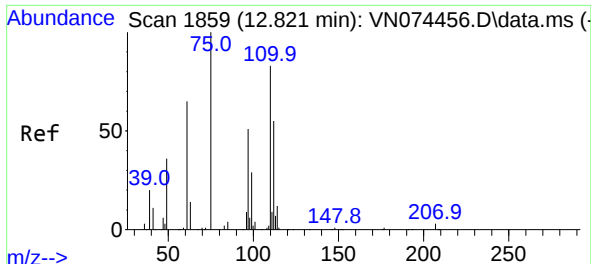
Tgt Ion:	117	Resp:	535549
Ion	Ratio	Lower	Upper
117	100		
82	58.5	44.2	66.2
119	32.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion:	152	Resp:	229652
Ion	Ratio	Lower	Upper
152	100		
115	61.7	28.9	86.7
150	160.8	0.0	356.2

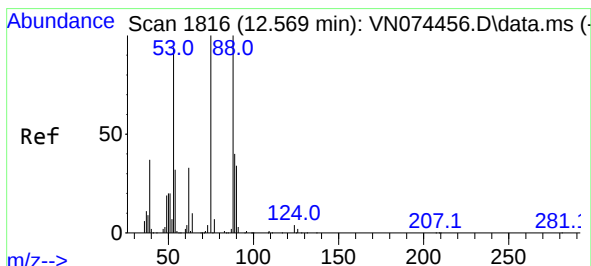
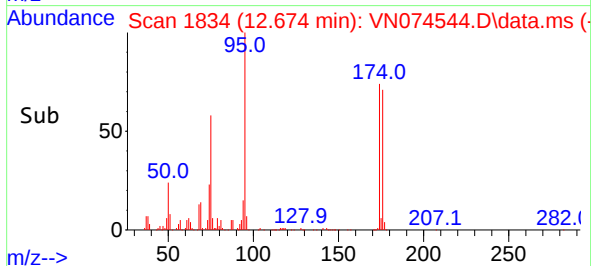
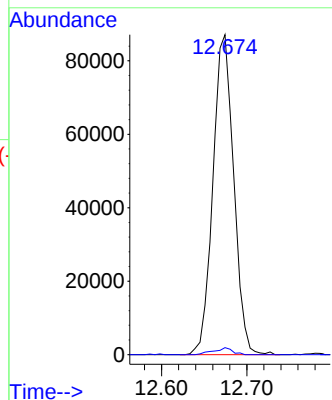
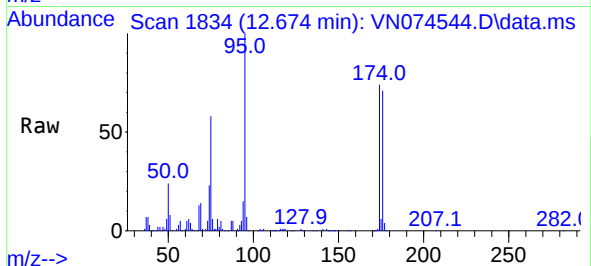




#76
1,2,3-Trichloropropane
Concen: 20.915 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

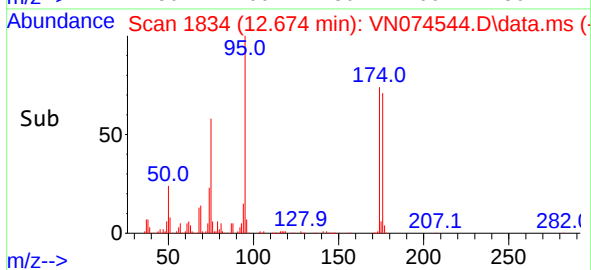
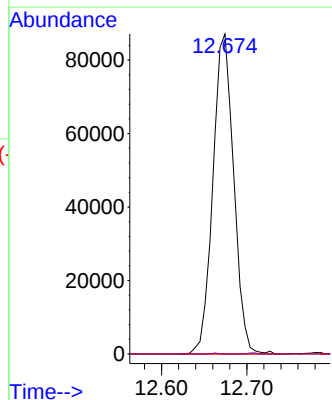
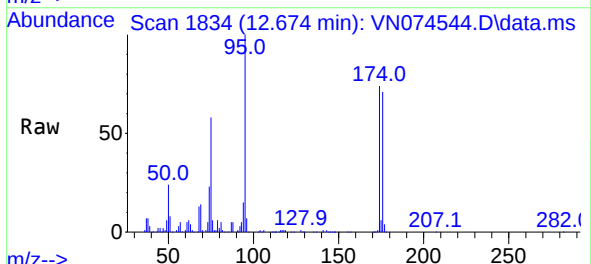
Instrument :
MSVOA_N
ClientSampleId :
MW-60

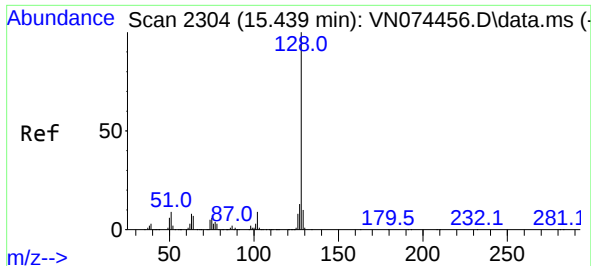
Tgt Ion: 75 Resp: 147843
Ion Ratio Lower Upper
75 100
77 2.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.141 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074544.D
Acq: 17 Sep 2022 05:45

Tgt Ion: 75 Resp: 147843
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 1.618 ug/l

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN074544.D

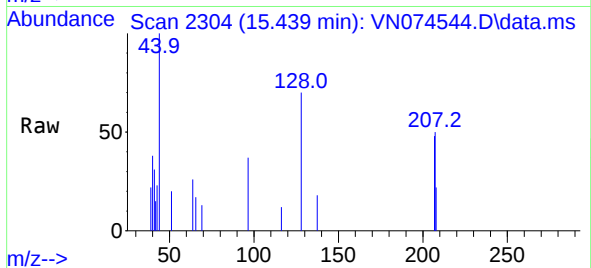
Acq: 17 Sep 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

MW-60



Tgt Ion:	128	Resp:	590
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

