

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
 Data File : VN074567.D
 Acq On : 17 Sep 2022 19:43
 Operator : JC\MD
 Sample : N4663-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HW-9

Quant Time: Sep 19 02:58:41 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)

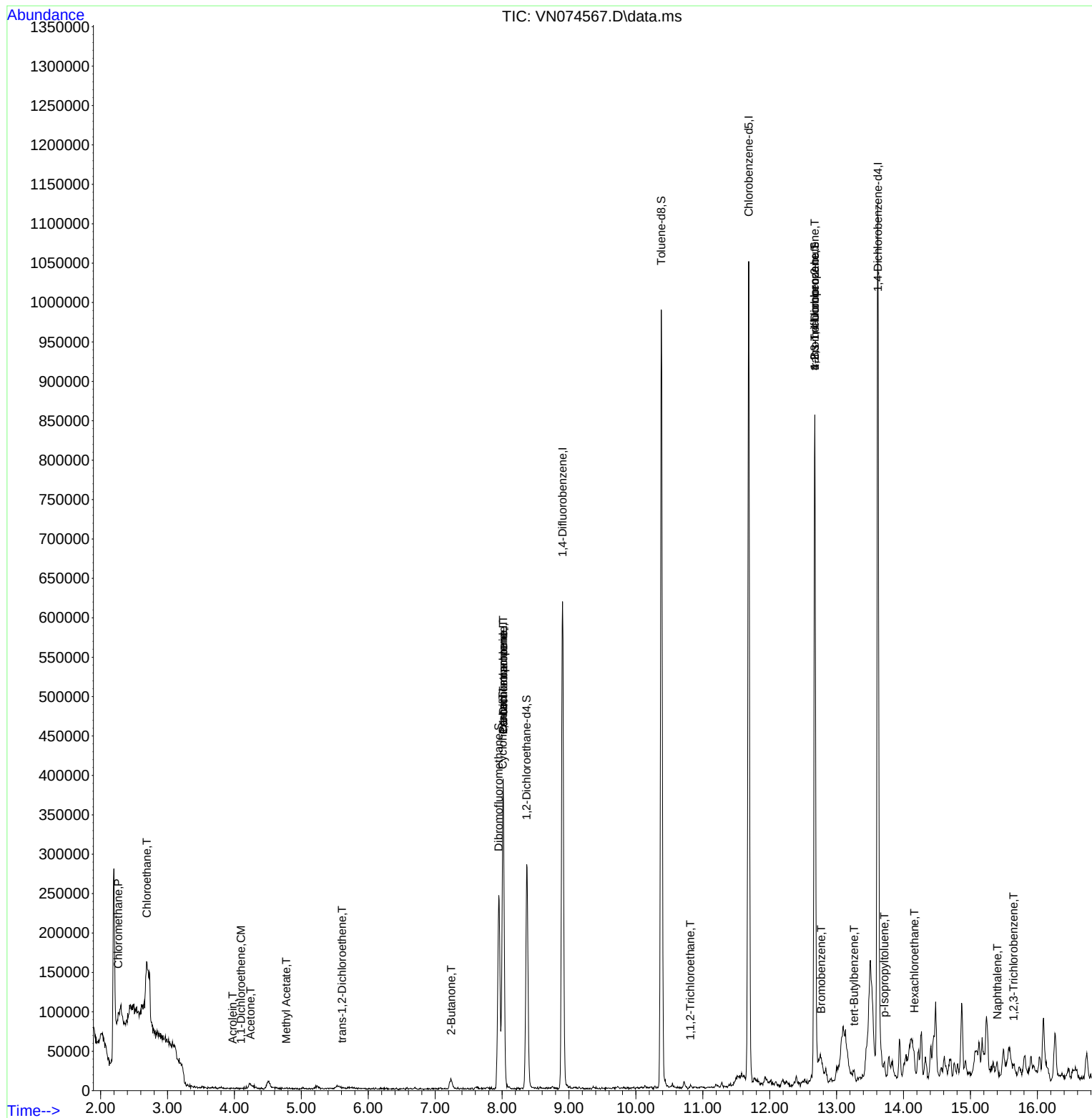
Internal Standards						
1) Pentafluorobenzene	8.016	168	269120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	518798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	521182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	256096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	211344	46.284	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.560%
35) Dibromofluoromethane	7.951	113	173760	50.420	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.840%
50) Toluene-d8	10.380	98	644767	48.377	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.760%
62) 4-Bromofluorobenzene	12.674	95	249071	54.563	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	728	0.405	ug/l #	43
6) Chloroethane	2.693	64	25436	7.063	ug/l #	49
12) 1,1-Dichloroethene	4.098	96	56	0.700	ug/l #	1
13) Acrolein	3.975	56	121	0.223	ug/l	89
16) Acetone	4.240	43	10106	3.459	ug/l #	64
18) Methyl Acetate	4.775	43	2164	0.238	ug/l #	53
21) trans-1,2-Dichloroethene	5.610	96	71	0.447	ug/l #	1
25) 2-Butanone	7.239	43	1297	0.267	ug/l #	45
31) Cyclohexane	8.010	56	9867	1.217	ug/l #	48
36) 1,1-Dichloropropene	8.016	75	26482	4.341	ug/l #	48
38) Carbon Tetrachloride	8.016	117	27343	4.855	ug/l #	17
55) 1,1,2-Trichloroethane	10.816	97	1163	0.248	ug/l #	16
76) 1,2,3-Trichloropropane	12.674	75	151462	19.214	ug/l #	1
77) Bromobenzene	12.768	156	6137	1.096	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	151462	41.470	ug/l #	11
83) tert-Butylbenzene	13.263	119	4312	0.222	ug/l #	59
86) p-Isopropyltoluene	13.715	119	10637	0.511	ug/l	98
90) Hexachloroethane	14.163	117	1019	0.225	ug/l #	9
95) Naphthalene	15.404	128	1058	1.636	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.645	180	61	1.348	ug/l #	12

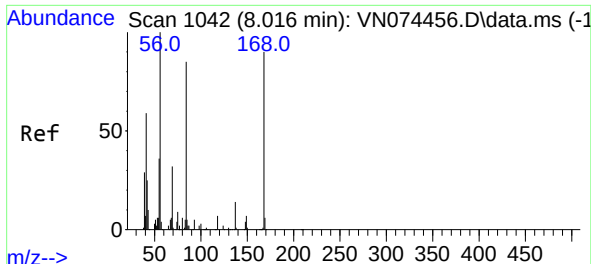
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
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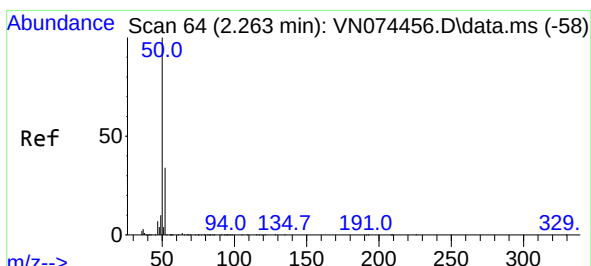
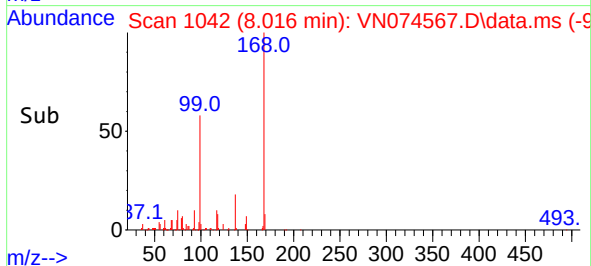
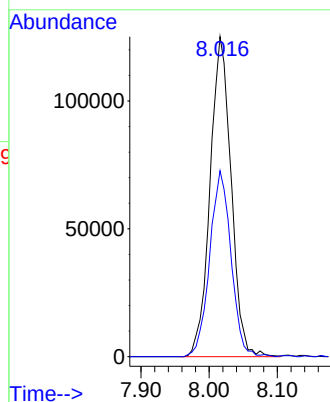
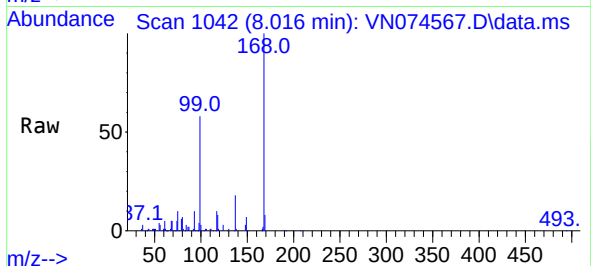




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

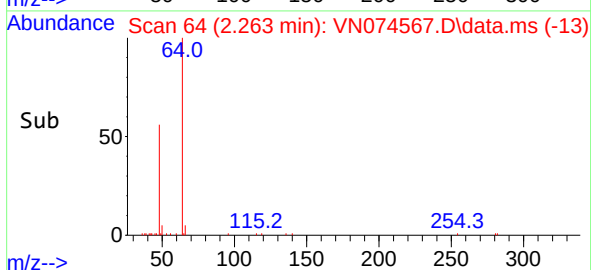
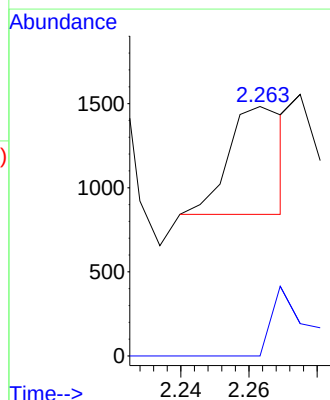
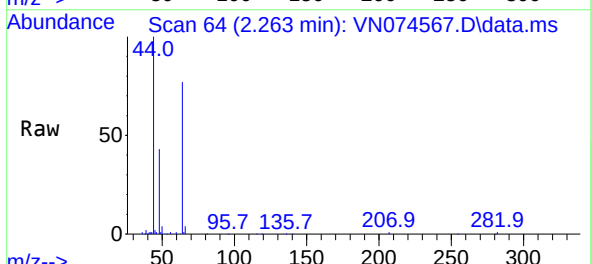
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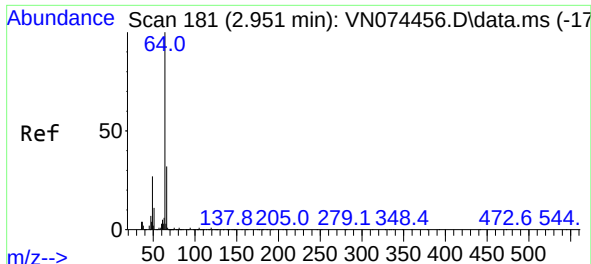
Tgt Ion:168 Resp: 269120
Ion Ratio Lower Upper
168 100
99 58.1 42.3 63.5



#3
Chloromethane
Concen: 0.405 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

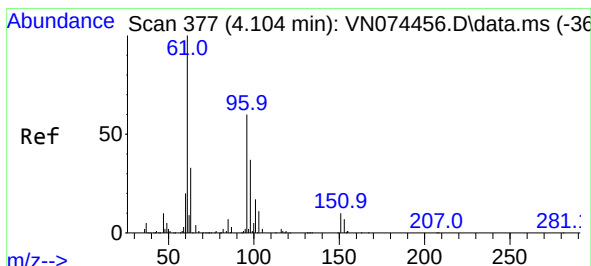
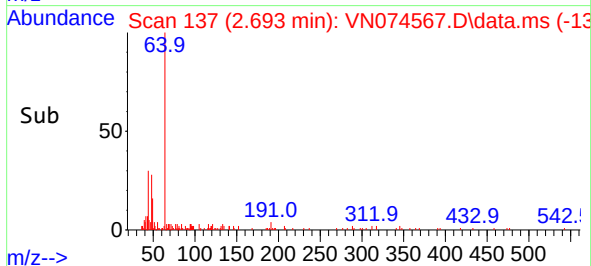
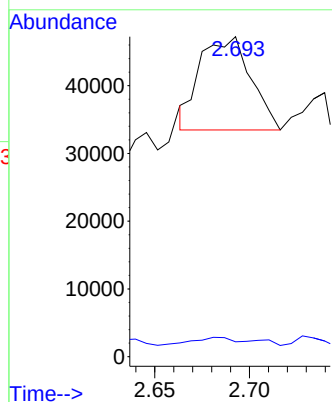
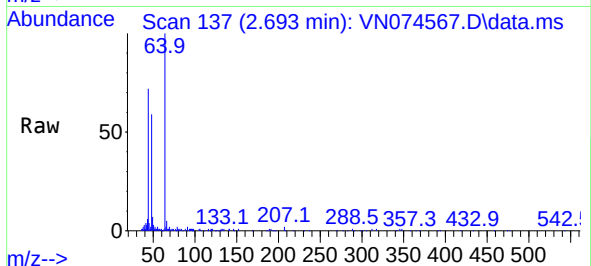




#6
Chloroethane
Concen: 7.063 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

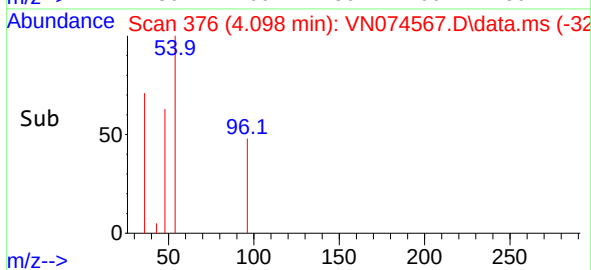
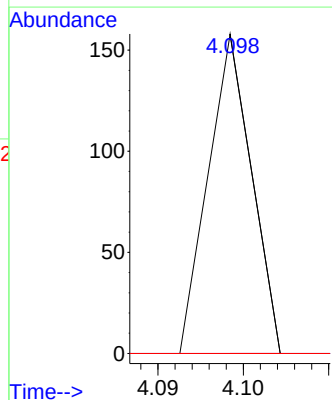
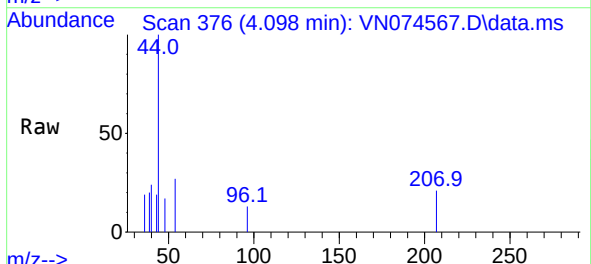
Instrument :
MSVOA_N
ClientSampleId :
HW-9

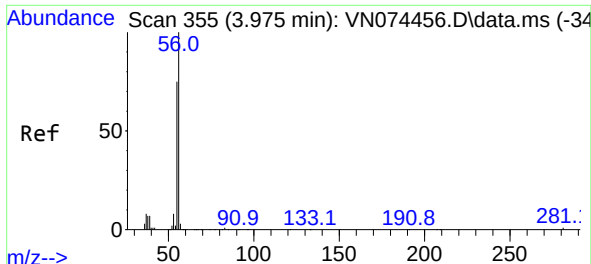
Tgt Ion: 64 Resp: 25436
Ion Ratio Lower Upper
64 100
66 3.9 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.700 ug/l
RT: 4.098 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 96 Resp: 56
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

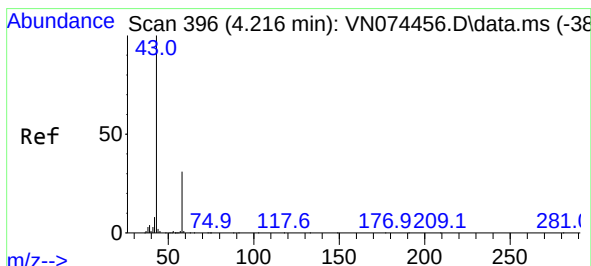
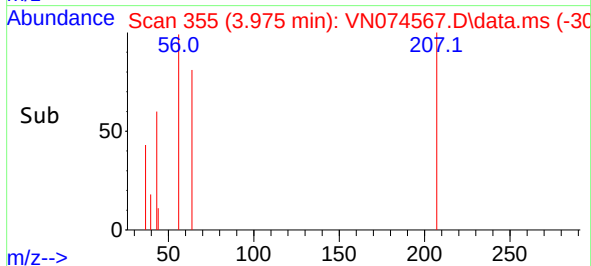
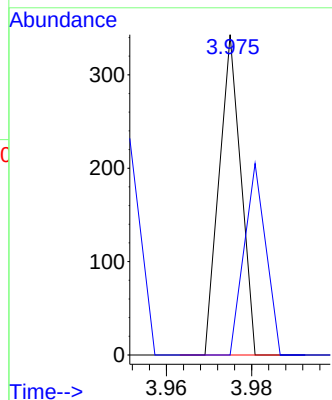
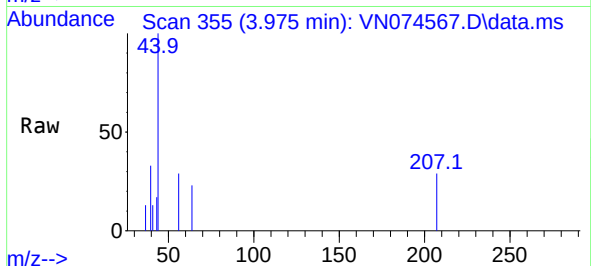




#13
Acrolein
Concen: 0.223 ug/l
RT: 3.975 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

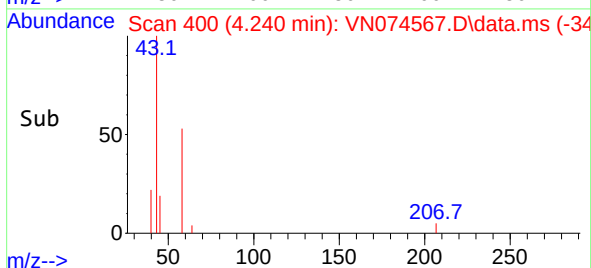
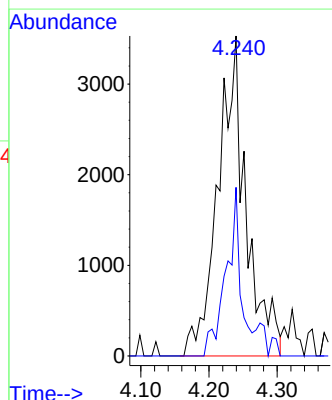
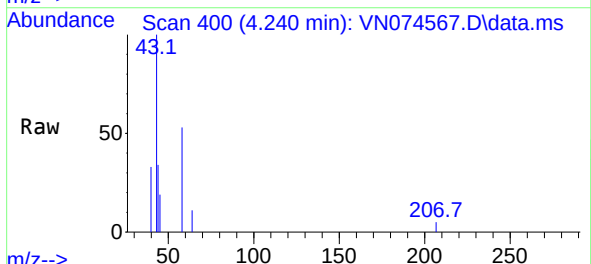
Instrument :
MSVOA_N
ClientSampleId :
HW-9

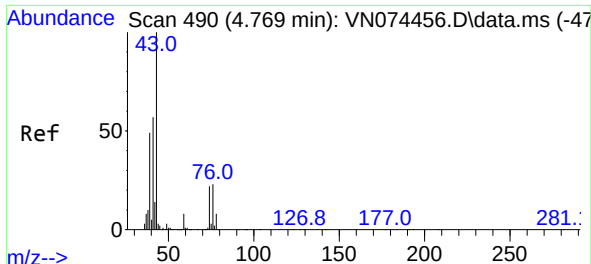
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 59.5 54.8 82.2



#16
Acetone
Concen: 3.459 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.024 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 43 Resp: 10106
Ion Ratio Lower Upper
43 100
58 52.7 26.0 39.0#

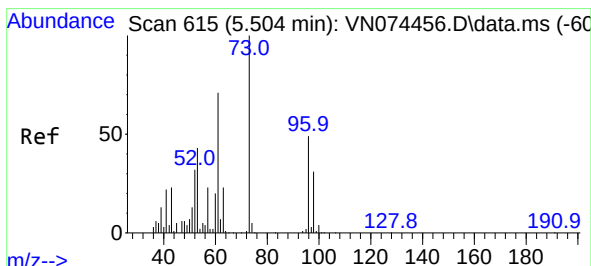
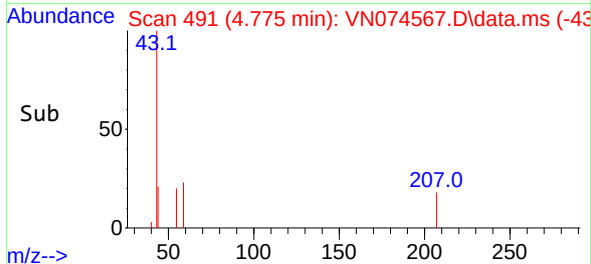
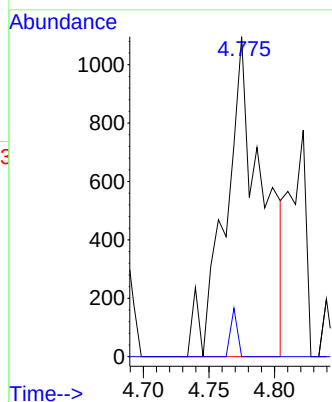
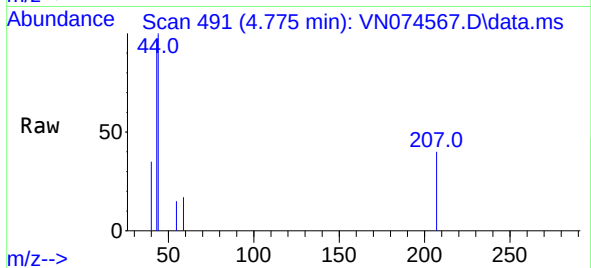




#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

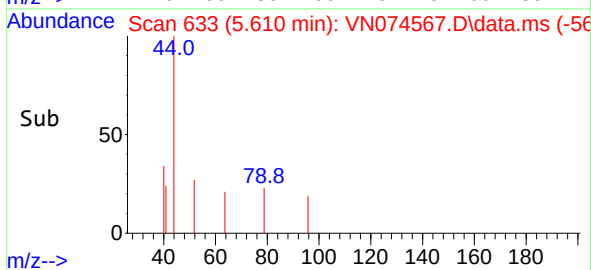
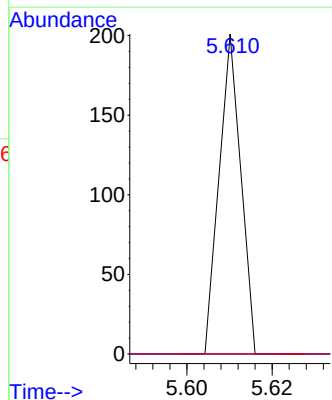
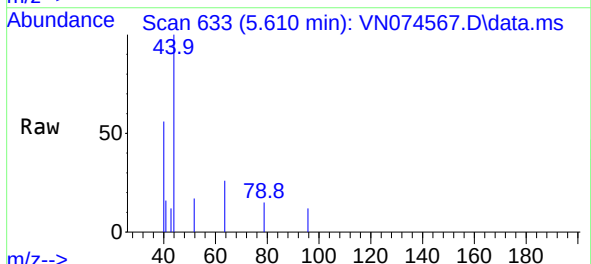
Instrument :
MSVOA_N
ClientSampleId :
HW-9

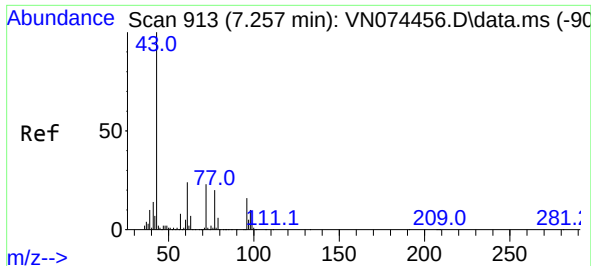
Tgt Ion: 43 Resp: 2164
Ion Ratio Lower Upper
43 100
74 2.7 21.6 32.4#



#21
trans-1,2-Dichloroethene
Concen: 0.447 ug/l
RT: 5.610 min Scan# 633
Delta R.T. 0.106 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 96 Resp: 71
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 0.267 ug/l

RT: 7.239 min Scan# 91

Delta R.T. -0.018 min

Lab File: VN074567.D

Acq: 17 Sep 2022 19:43

Instrument :

MSVOA_N

ClientSampleId :

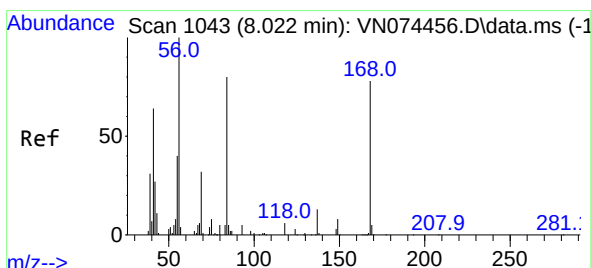
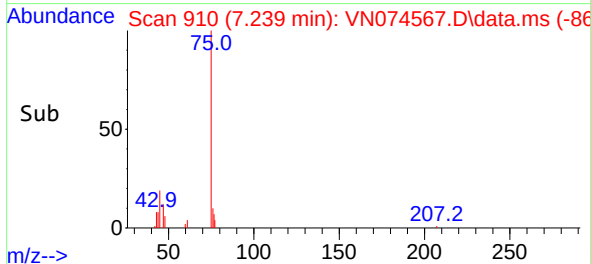
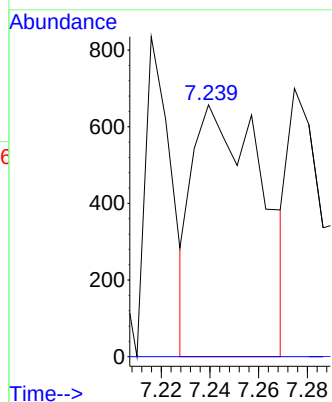
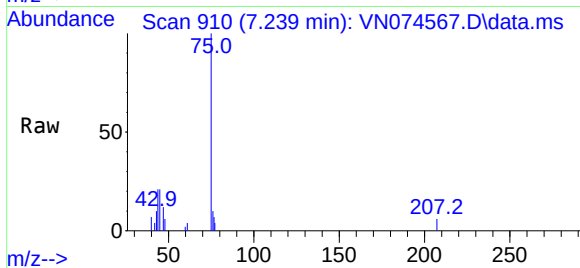
HW-9

Tgt Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074567.D

Acq: 17 Sep 2022 19:43

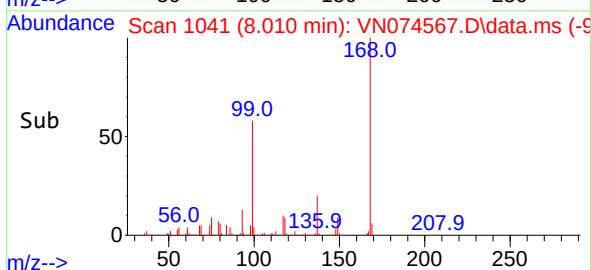
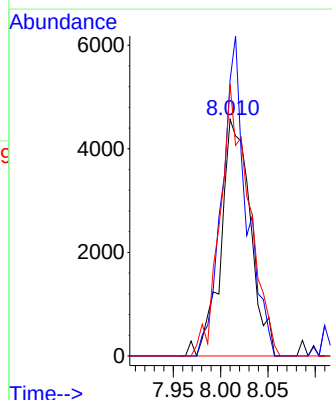
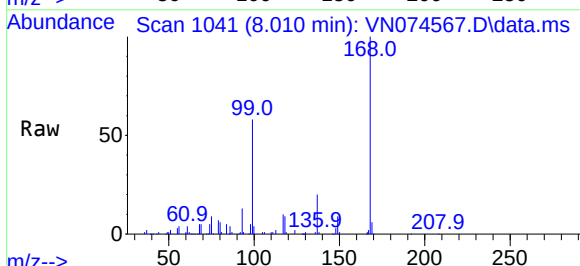
Tgt Ion: 56 Resp: 9867

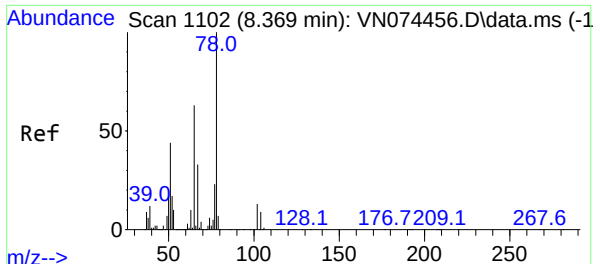
Ion Ratio Lower Upper

56 100

69 116.7 27.8 41.8#

84 114.7 76.9 115.3

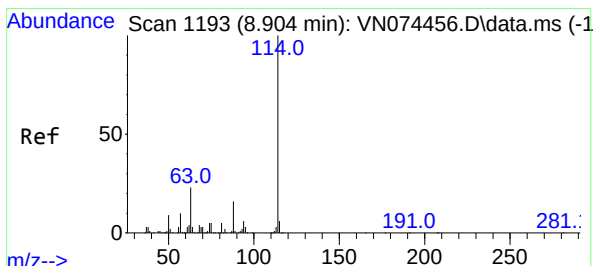
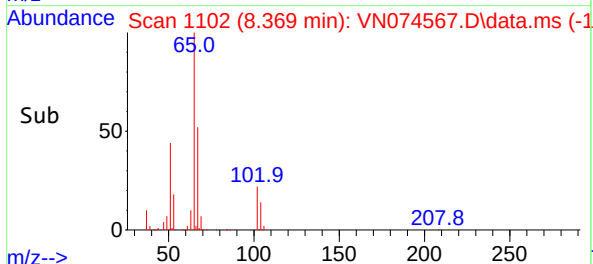
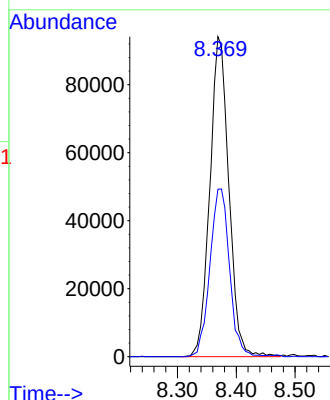
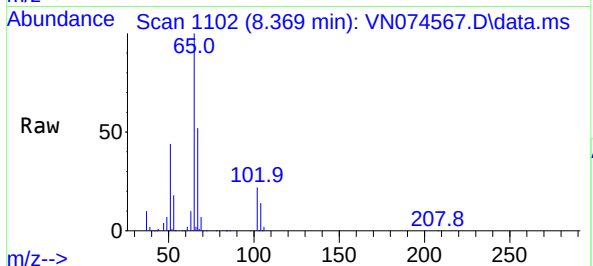




#33
1,2-Dichloroethane-d4
Concen: 46.284 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

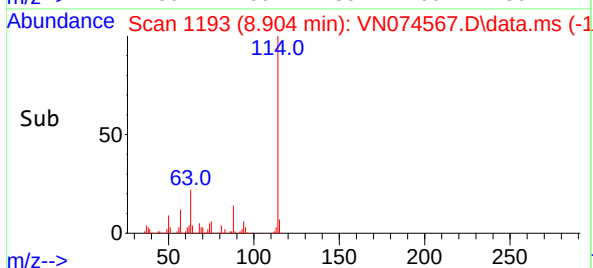
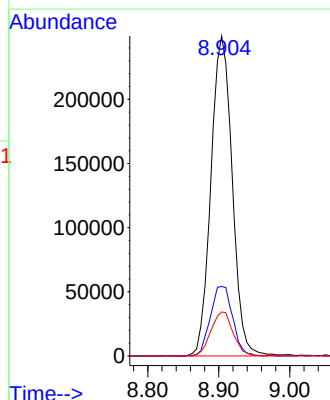
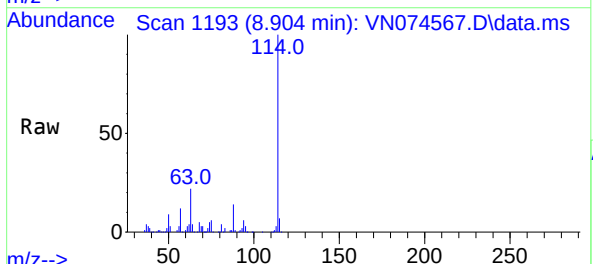
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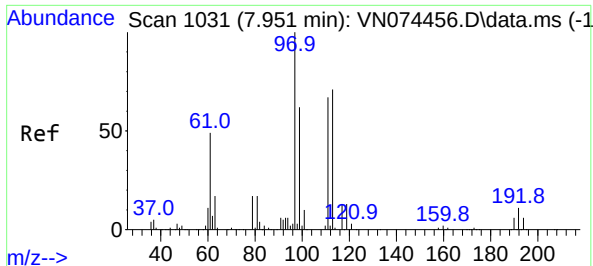
Tgt Ion: 65 Resp: 211344
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 114 Resp: 518798
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.0
88 13.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.420 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN074567.D

Acq: 17 Sep 2022 19:43

Instrument :

MSVOA_N

ClientSampleId :

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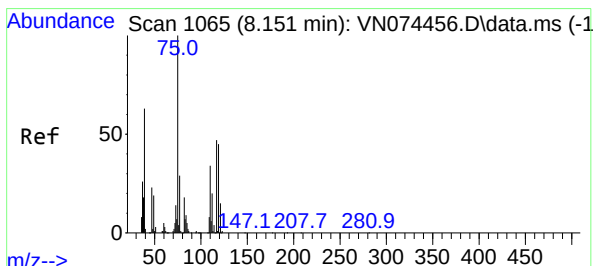
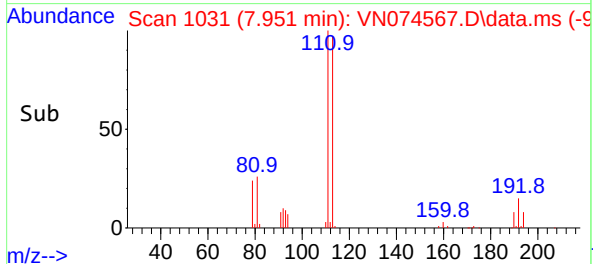
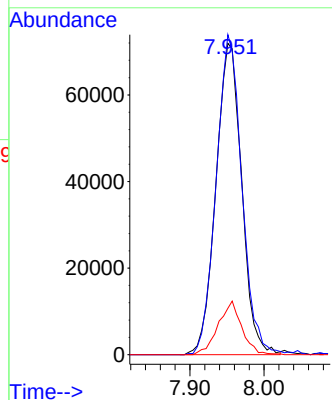
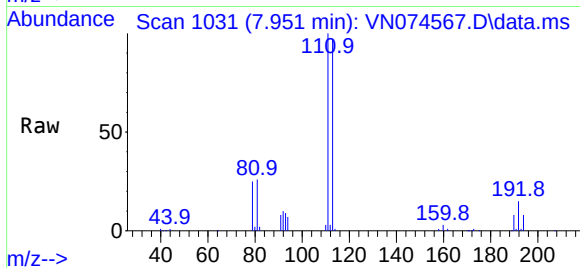
Tgt Ion:113 Resp: 173760

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 15.8 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074567.D

Acq: 17 Sep 2022 19:43

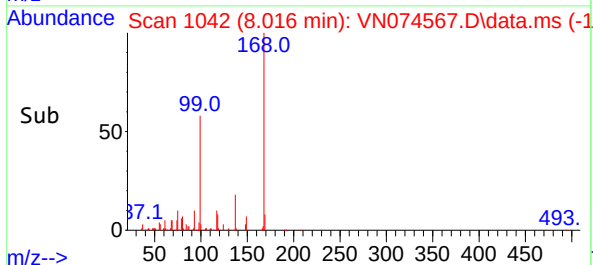
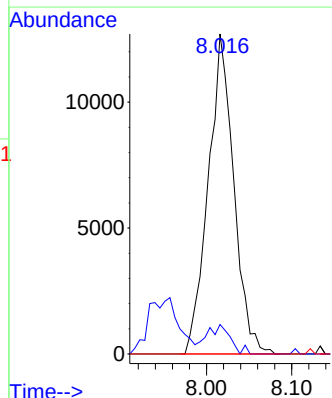
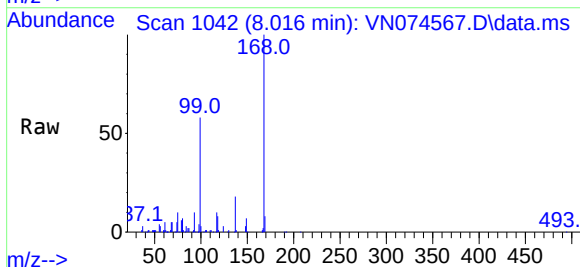
Tgt Ion: 75 Resp: 26482

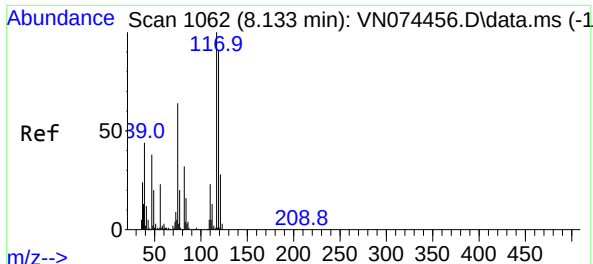
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#

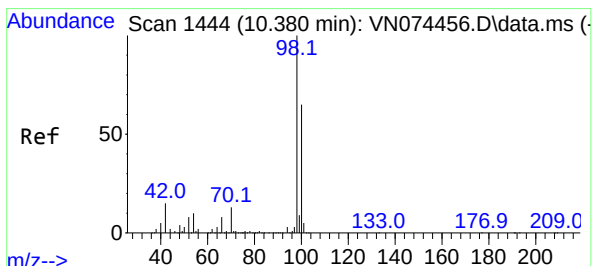
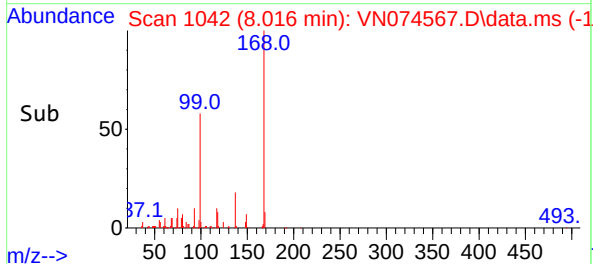
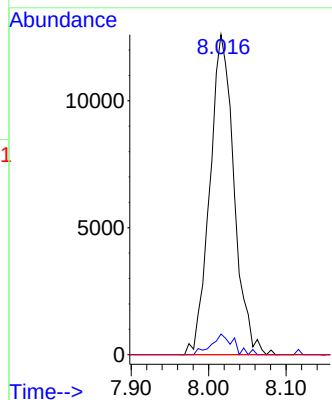
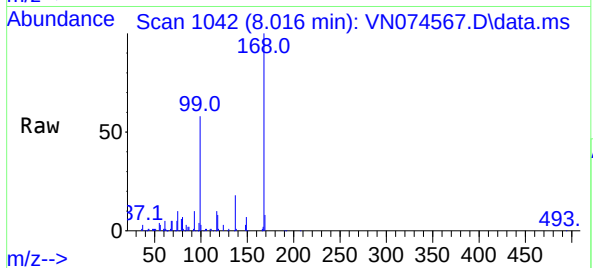




#38
Carbon Tetrachloride
Concen: 4.855 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

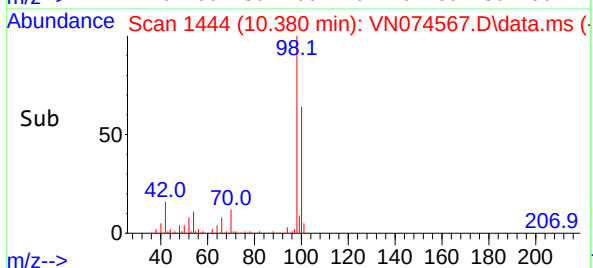
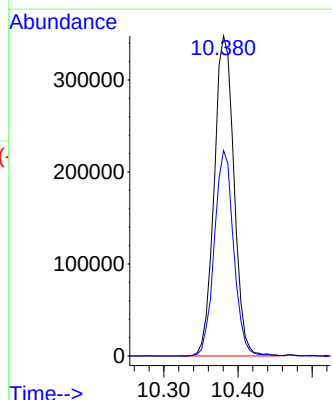
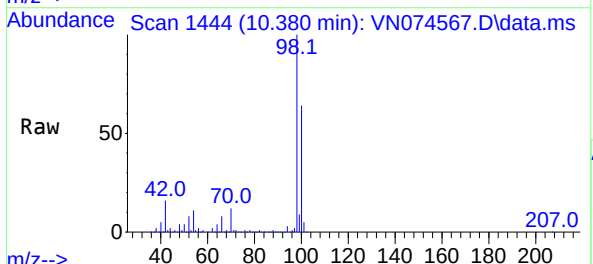
Instrument :
MSVOA_N
ClientSampleId :
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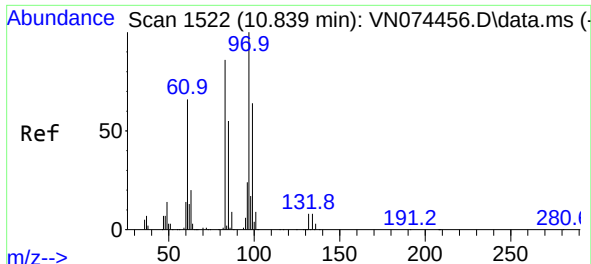
Tgt Ion:117 Resp: 27343
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.377 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 98 Resp: 644767
Ion Ratio Lower Upper
98 100
100 62.7 52.6 78.8

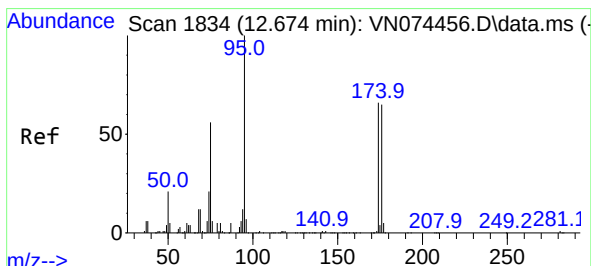
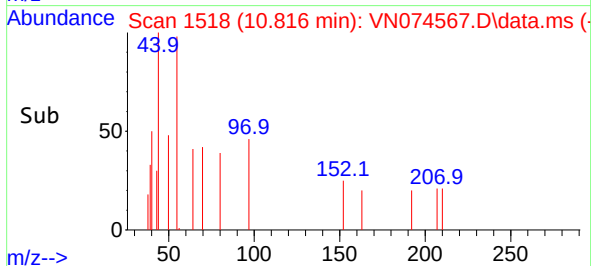
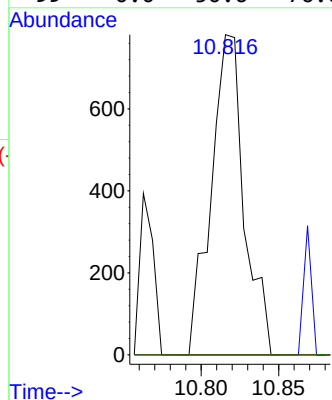
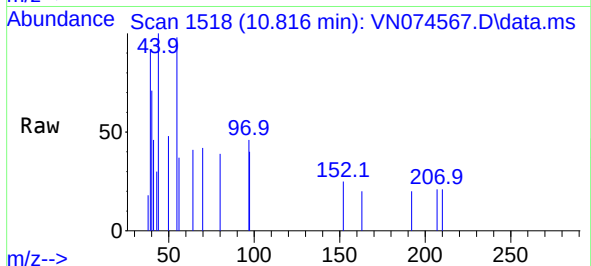




#55
1,1,2-Trichloroethane
Concen: 0.248 ug/l
RT: 10.816 min Scan# 1163
Delta R.T. -0.023 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

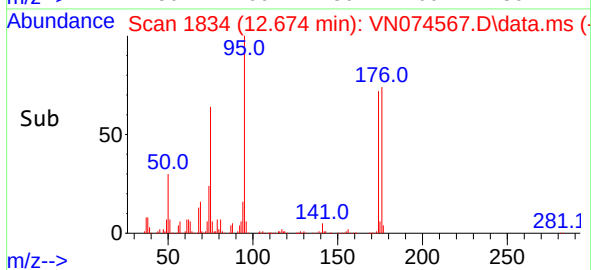
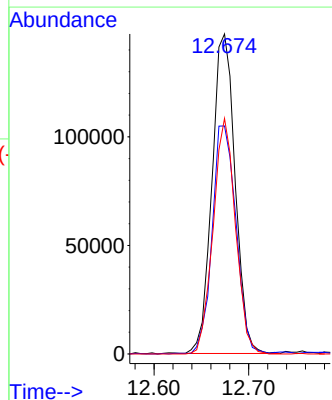
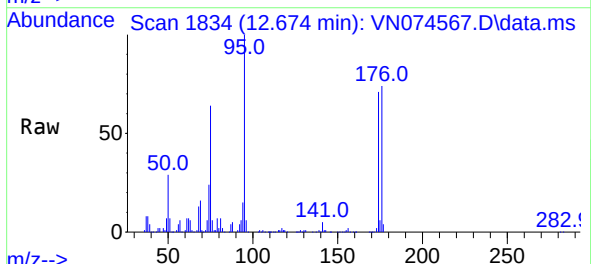
Instrument :
MSVOA_N
ClientSampleId :
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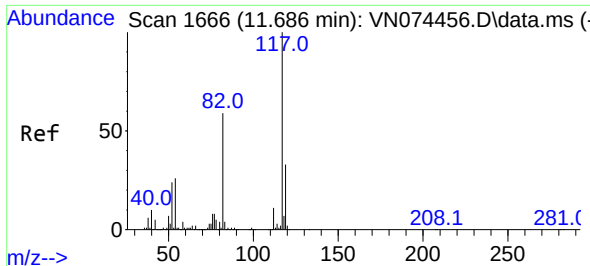
Tgt Ion:	97	Resp:	1163
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.2	99.4#
85	0.0	43.9	65.9#
99	0.0	50.6	76.0#



#62
4-Bromofluorobenzene
Concen: 54.563 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion:	95	Resp:	249071
Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	167.6
176	71.5	0.0	163.4

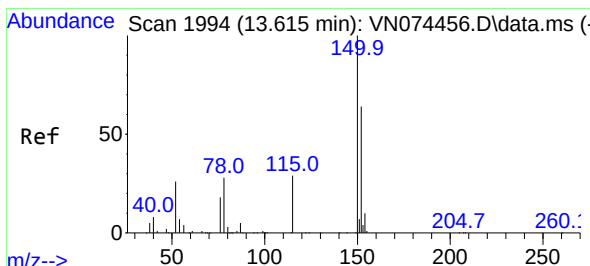
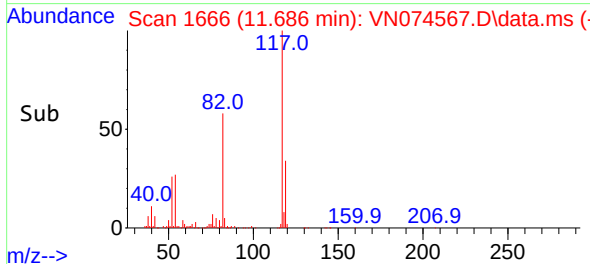
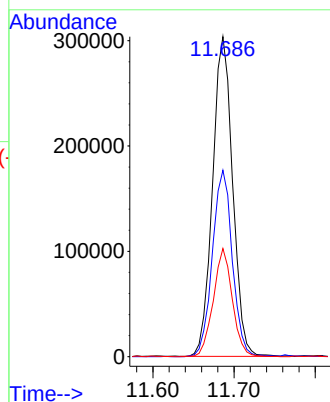
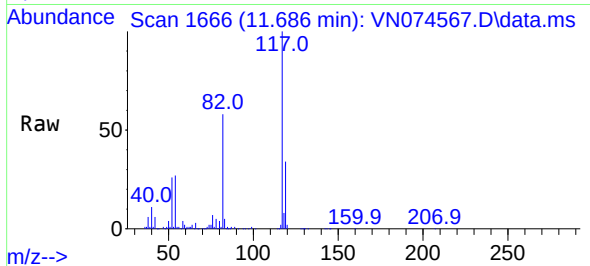




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

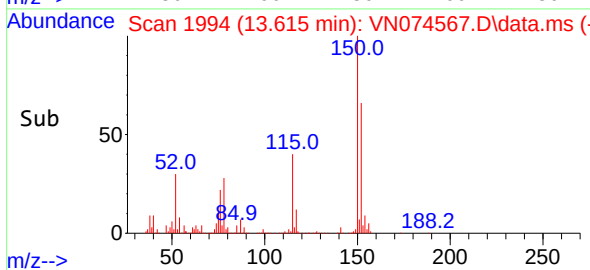
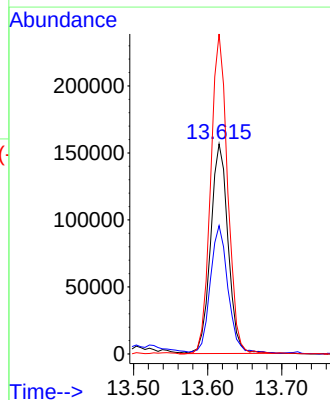
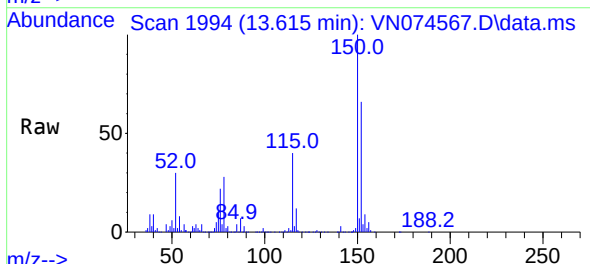
Instrument :
MSVOA_N
ClientSampleId :
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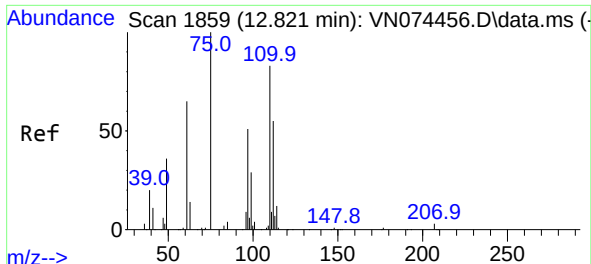
Tgt Ion:	117	Resp:	521182
Ion	Ratio	Lower	Upper
117	100		
82	58.3	44.2	66.2
119	33.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion:	152	Resp:	256096
Ion	Ratio	Lower	Upper
152	100		
115	61.5	28.9	86.7
150	149.1	0.0	356.2

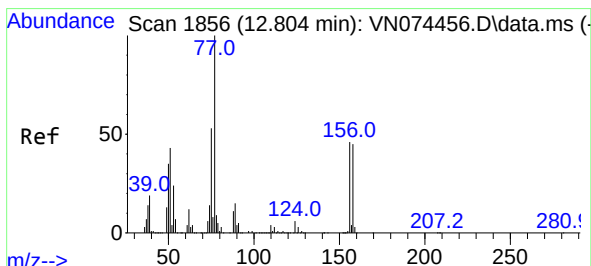
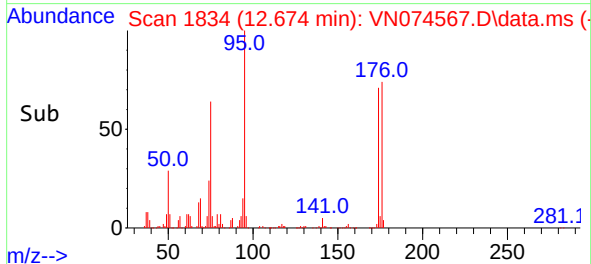
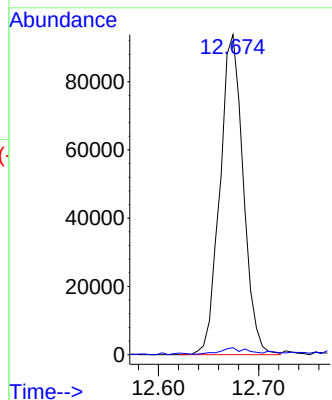
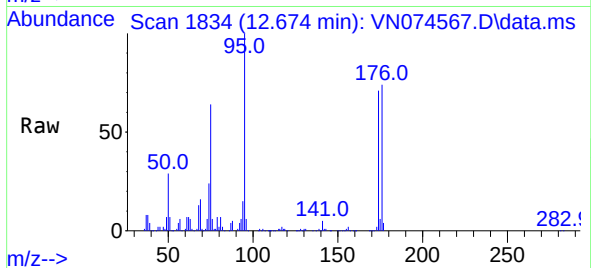




#76
1,2,3-Trichloropropane
Concen: 19.214 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

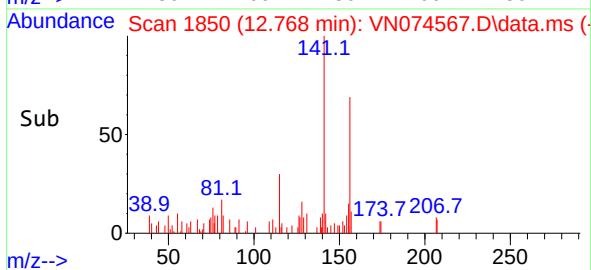
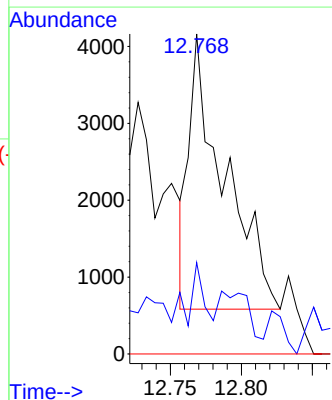
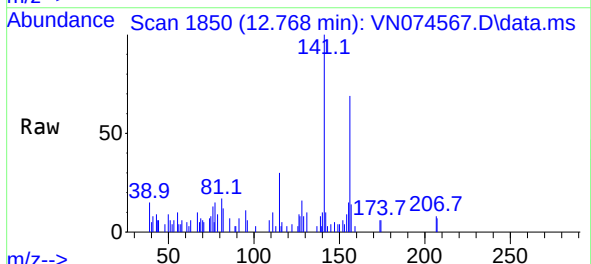
Instrument :
MSVOA_N
ClientSampleId :
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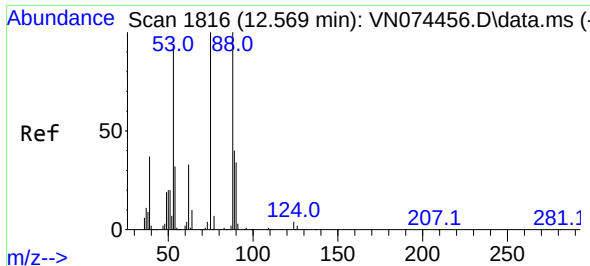
Tgt Ion: 75 Resp: 151462
Ion Ratio Lower Upper
75 100
77 2.2 98.5 295.5#



#77
Bromobenzene
Concen: 1.096 ug/l
RT: 12.768 min Scan# 1850
Delta R.T. -0.036 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 156 Resp: 6137
Ion Ratio Lower Upper
156 100
77 7.8 100.5 301.5#
158 0.0 48.9 146.6#

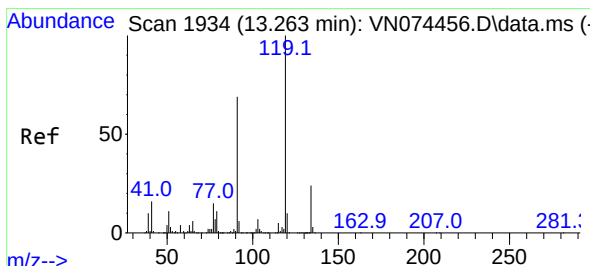
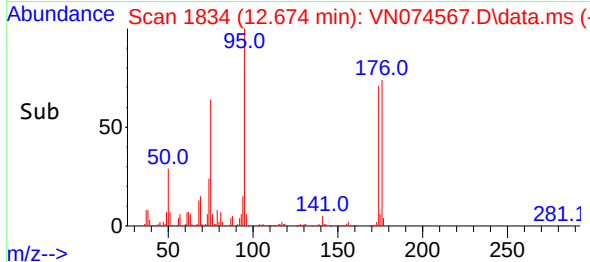
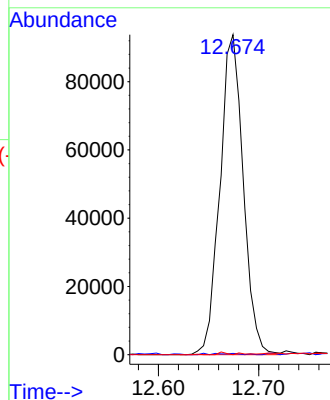
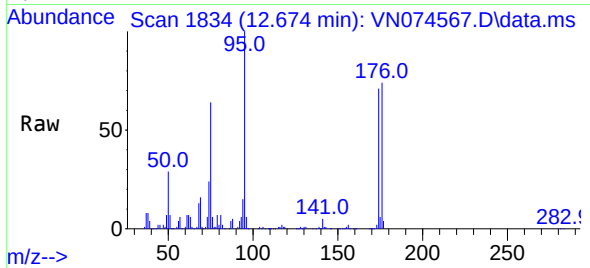




#81
trans-1,4-Dichloro-2-butene
Concen: 41.470 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

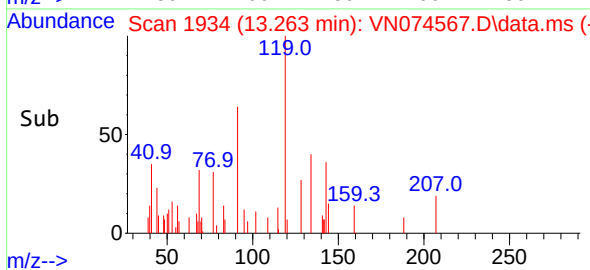
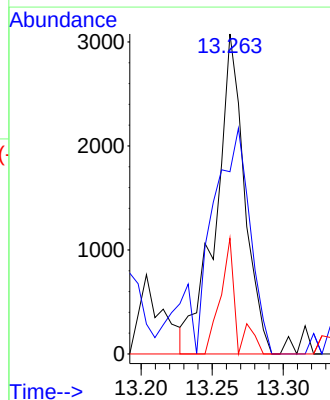
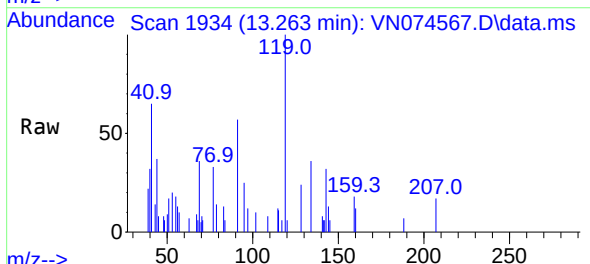
Instrument :
MSVOA_N
ClientSampleId :
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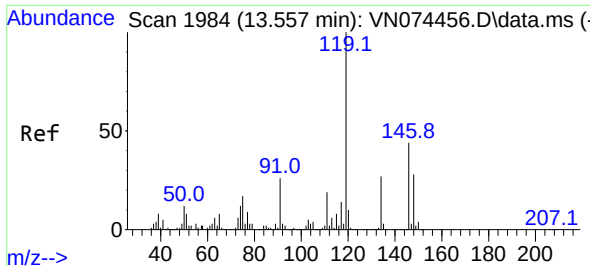
Tgt Ion: 75 Resp: 151462
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.3 37.2 55.8#



#83
tert-Butylbenzene
Concen: 0.222 ug/l
RT: 13.263 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion: 119 Resp: 4312
Ion Ratio Lower Upper
119 100
91 103.8 31.6 94.8#
134 20.2 13.7 41.1

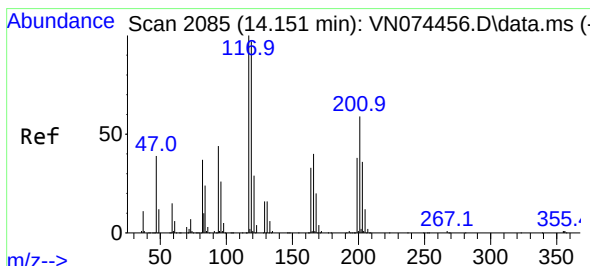
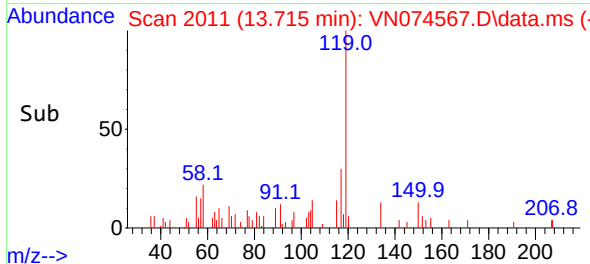
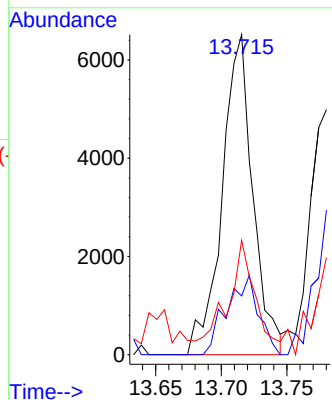
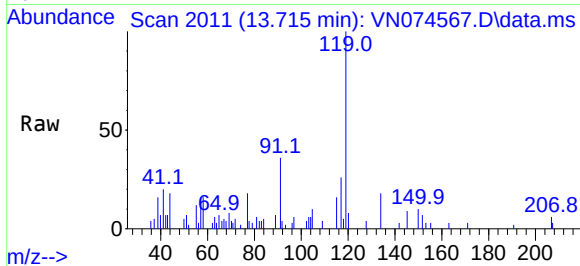




#86
p-Isopropyltoluene
Concen: 0.511 ug/l
RT: 13.715 min Scan# 2011
Delta R.T. 0.158 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

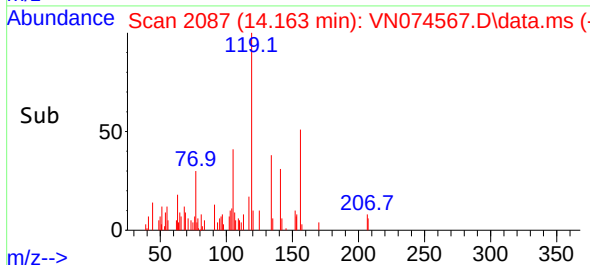
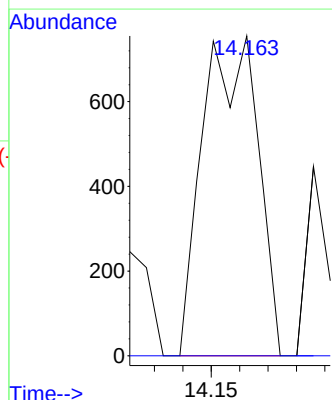
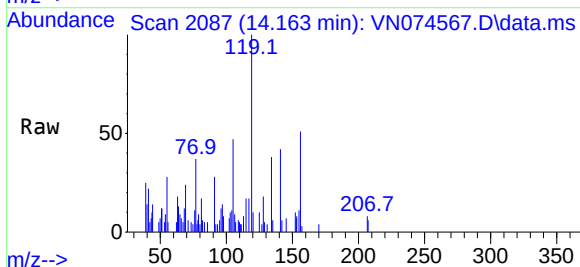
Instrument :
MSVOA_N
ClientSampleId :
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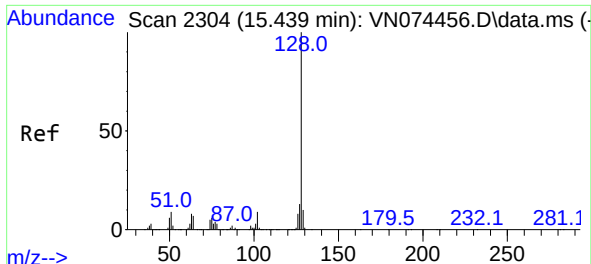
Tgt Ion:	119	Resp:	10637
Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.3	39.8
91	23.8	11.3	33.9



#90
Hexachloroethane
Concen: 0.225 ug/l
RT: 14.163 min Scan# 2087
Delta R.T. 0.011 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion:	117	Resp:	1019
Ion	Ratio	Lower	Upper
117	100		
201	0.0	40.6	122.0#

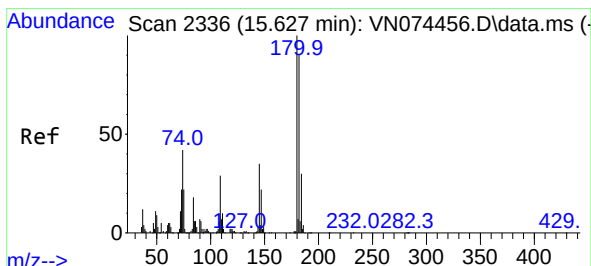
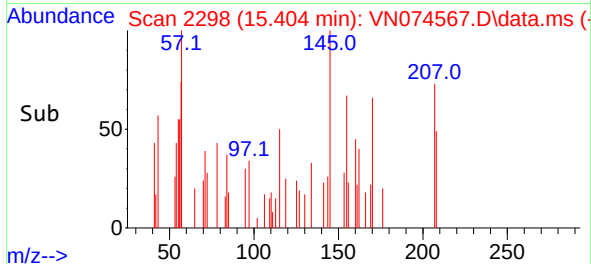
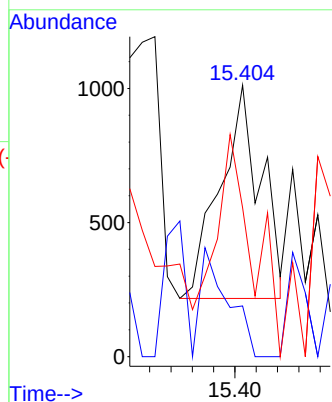
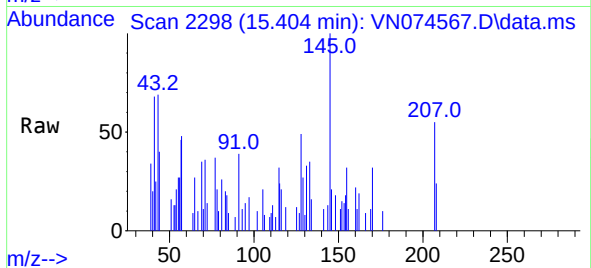




#95
Naphthalene
Concen: 1.636 ug/l
RT: 15.404 min Scan# 21
Delta R.T. -0.035 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Instrument :
MSVOA_N
ClientSampleId :
HW-9

Tgt Ion:128 Resp: 1058
Ion Ratio Lower Upper
128 100
127 34.7 10.3 15.5#
129 96.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.348 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.018 min
Lab File: VN074567.D
Acq: 17 Sep 2022 19:43

Tgt Ion:180 Resp: 61
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

