

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
 Data File : VN074565.D
 Acq On : 17 Sep 2022 18:55
 Operator : JC\MD
 Sample : N4663-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HW-43

Quant Time: Sep 19 02:58:09 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)

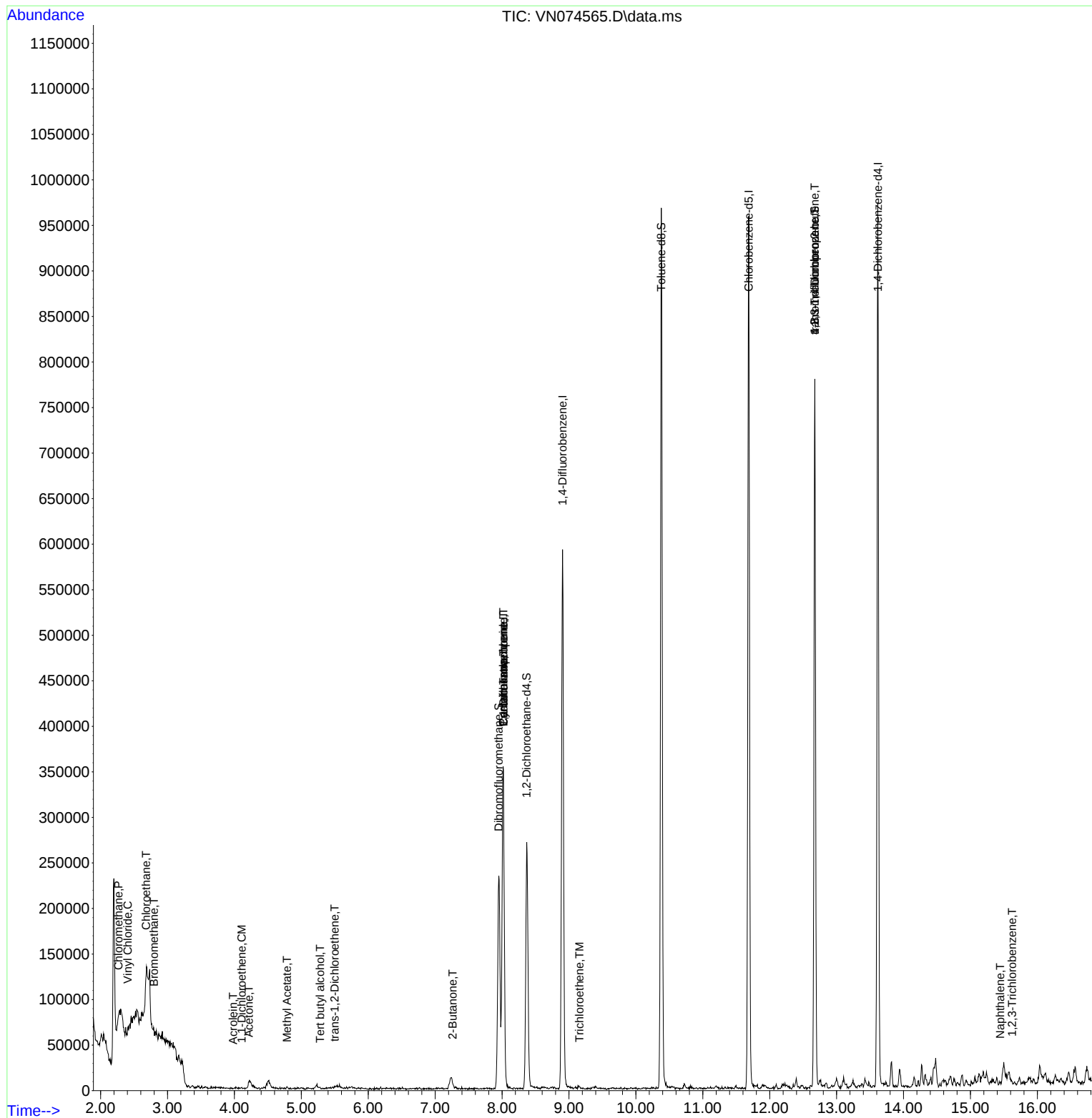
Internal Standards						
1) Pentafluorobenzene	8.022	168	247783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	497095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	497147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	223374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	204738	48.698	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.400%
35) Dibromofluoromethane	7.951	113	167685	50.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.560%
50) Toluene-d8	10.380	98	613783	48.063	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.120%
62) 4-Bromofluorobenzene	12.674	95	226781	51.849	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2342	0.772	ug/l #	73
4) Vinyl Chloride	2.405	62	1246	0.257	ug/l #	36
5) Bromomethane	2.799	94	633	0.247	ug/l #	55
6) Chloroethane	2.681	64	19708	5.944	ug/l #	54
11) Tert butyl alcohol	5.281	59	452	0.330	ug/l #	72
12) 1,1-Dichloroethene	4.110	96	107	0.717	ug/l #	1
13) Acrolein	3.981	56	429	0.858	ug/l #	34
16) Acetone	4.216	43	14837	5.515	ug/l	95
18) Methyl Acetate	4.787	43	3077	0.368	ug/l #	59
21) trans-1,2-Dichloroethene	5.498	96	73	0.449	ug/l #	60
25) 2-Butanone	7.263	43	2590	0.580	ug/l #	76
31) Cyclohexane	8.022	56	8635	1.157	ug/l #	59
36) 1,1-Dichloropropene	8.022	75	27287	4.669	ug/l #	49
38) Carbon Tetrachloride	8.022	117	25949	4.809	ug/l #	16
44) Trichloroethene	9.157	130	1224	0.313	ug/l	41
76) 1,2,3-Trichloropropane	12.674	75	144778	21.057	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	144778	45.447	ug/l #	10
95) Naphthalene	15.445	128	228	1.601	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.621	180	63	1.350	ug/l #	12

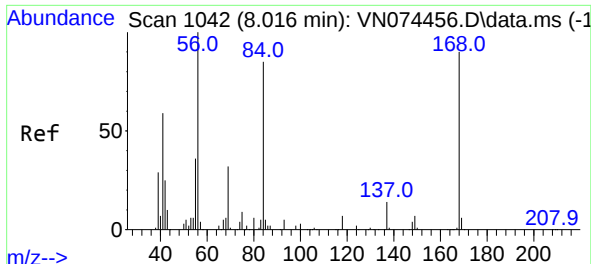
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 02:58:09 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

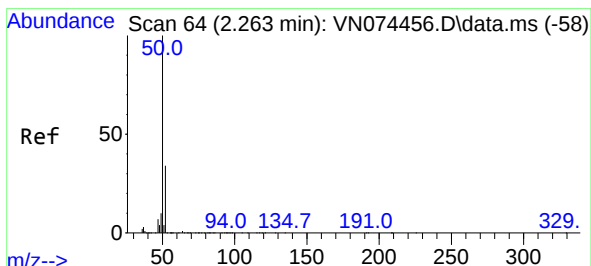
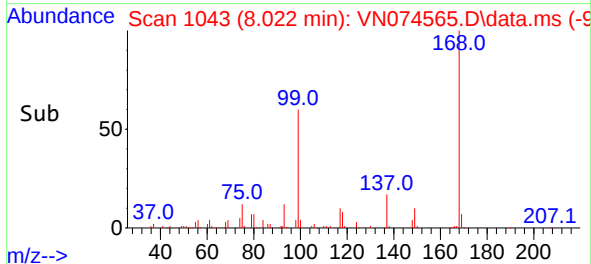
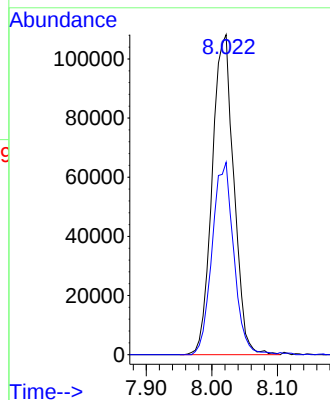
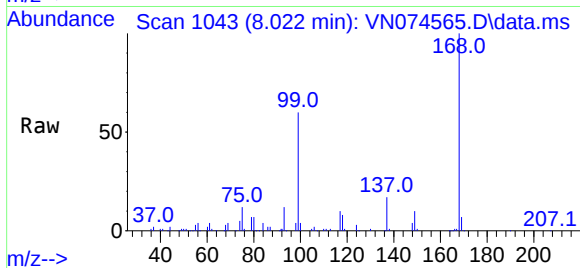




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

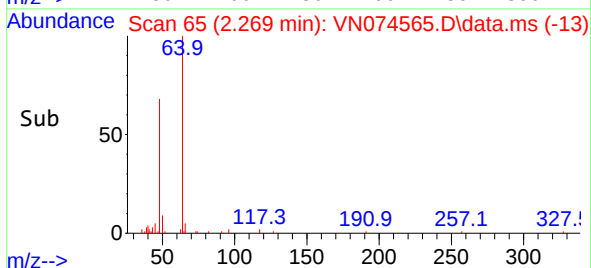
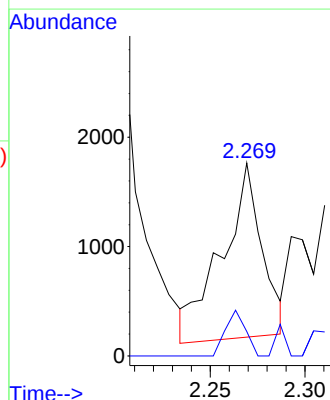
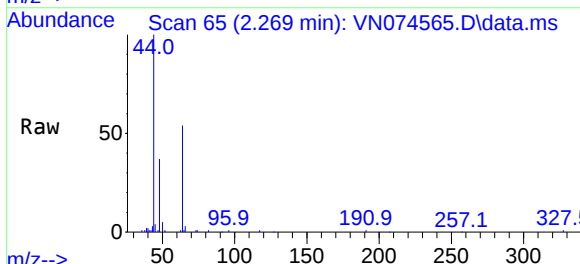
Instrument :
MSVOA_N
ClientSampleId :
HW-43

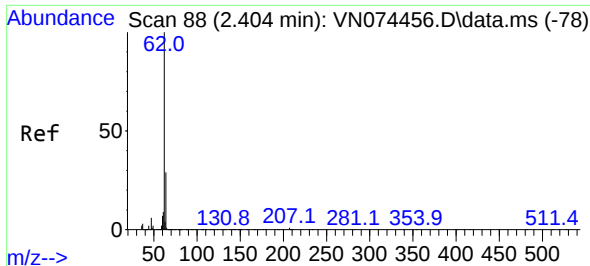
Tgt Ion:168 Resp: 247783
Ion Ratio Lower Upper
168 100
99 60.1 42.3 63.5



#3
Chloromethane
Concen: 0.772 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 50 Resp: 2342
Ion Ratio Lower Upper
50 100
52 16.8 25.7 38.5#

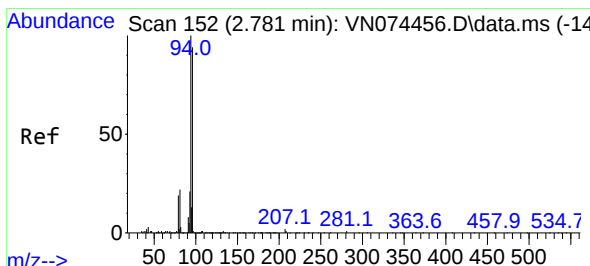
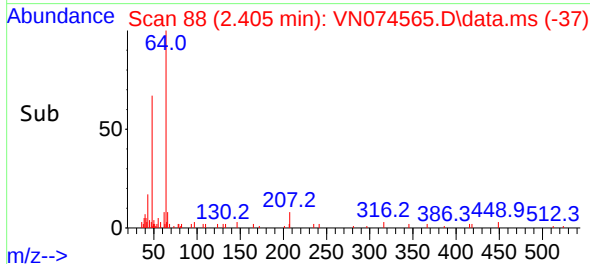
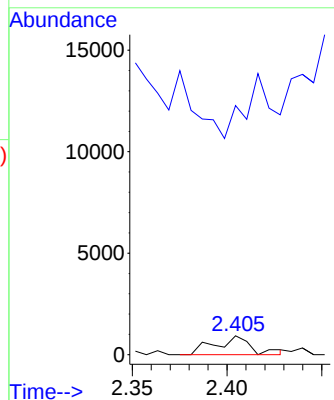
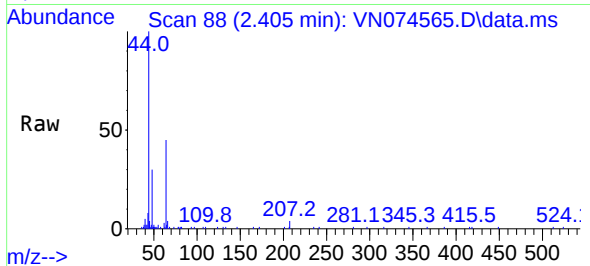




#4
 Vinyl Chloride
 Concen: 0.257 ug/l
 RT: 2.405 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: VN074565.D
 Acq: 17 Sep 2022 18:55

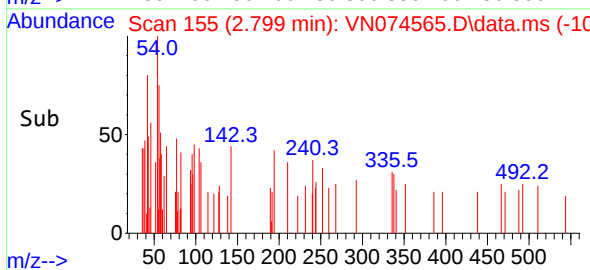
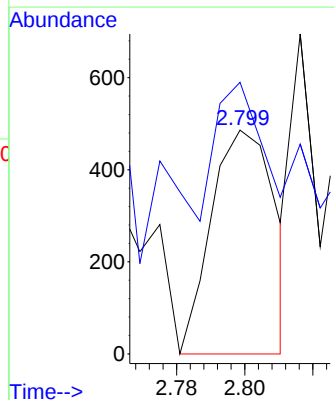
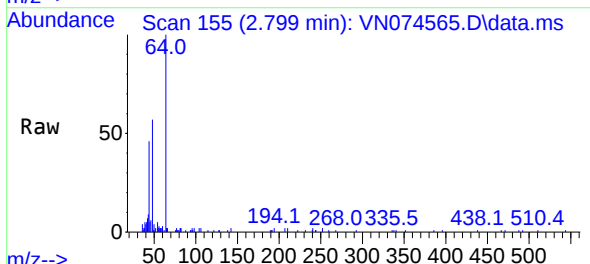
Instrument :
 MSVOA_N
 Client Sample Id :
 HW-43

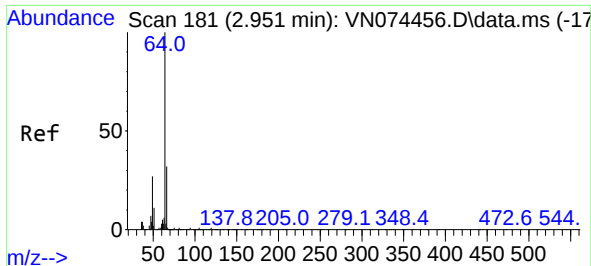
Tgt Ion: 62 Resp: 1246
 Ion Ratio Lower Upper
 62 100
 64 66.7 25.0 37.4#



#5
 Bromomethane
 Concen: 0.247 ug/l
 RT: 2.799 min Scan# 155
 Delta R.T. 0.018 min
 Lab File: VN074565.D
 Acq: 17 Sep 2022 18:55

Tgt Ion: 94 Resp: 633
 Ion Ratio Lower Upper
 94 100
 96 51.4 76.0 114.0#

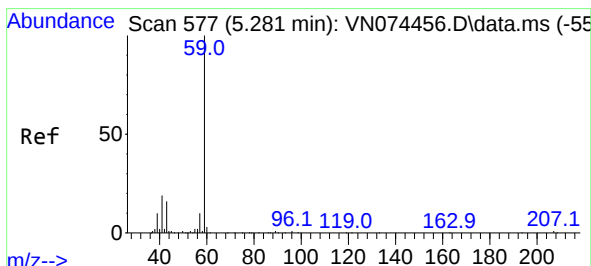
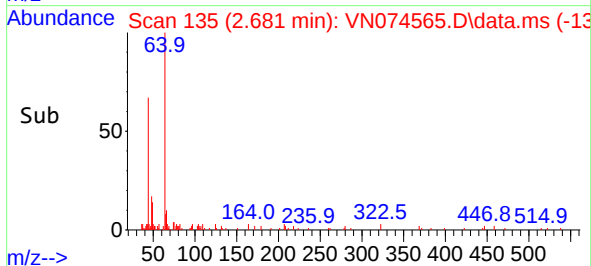
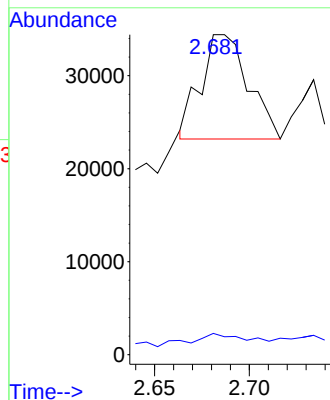
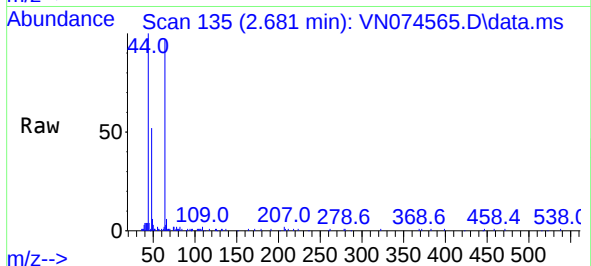




#6
Chloroethane
Concen: 5.944 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.270 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

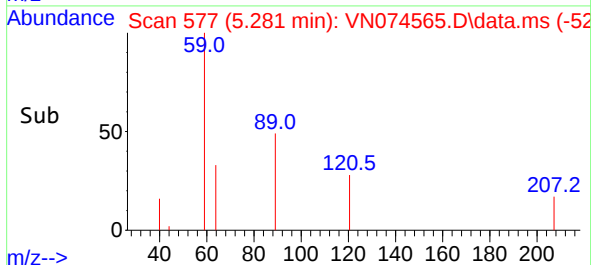
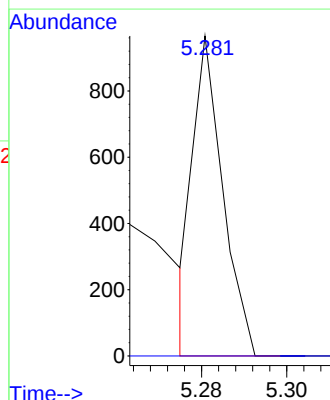
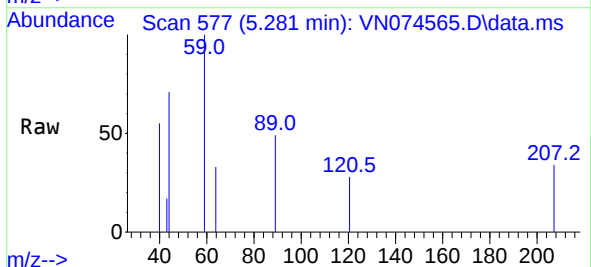
Instrument :
MSVOA_N
ClientSampleId :
HW-43

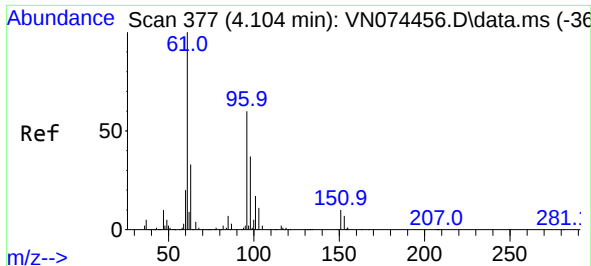
Tgt Ion: 64 Resp: 19708
Ion Ratio Lower Upper
64 100
66 6.9 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.330 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.000 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

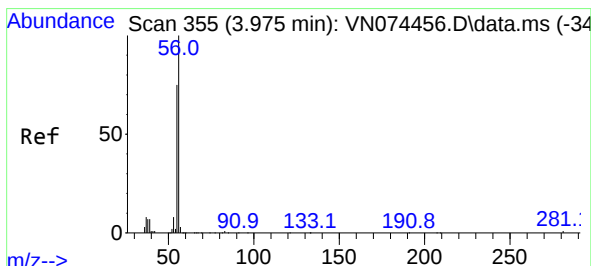
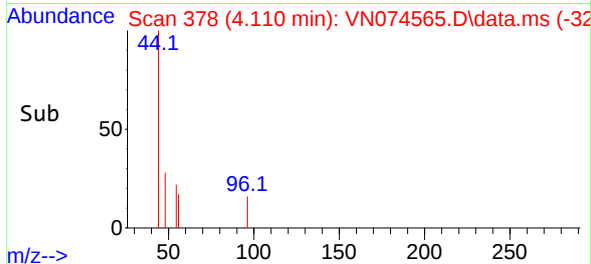
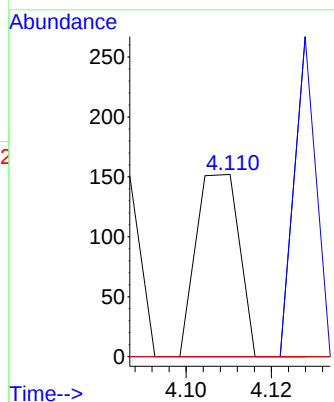
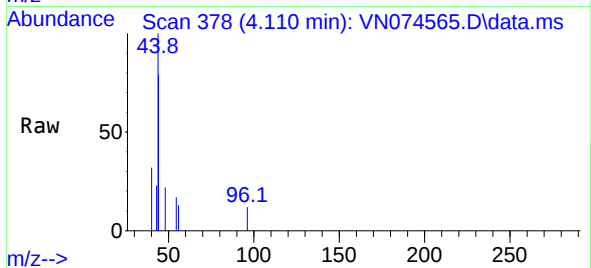




#12
1,1-Dichloroethene
Concen: 0.717 ug/l
RT: 4.110 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

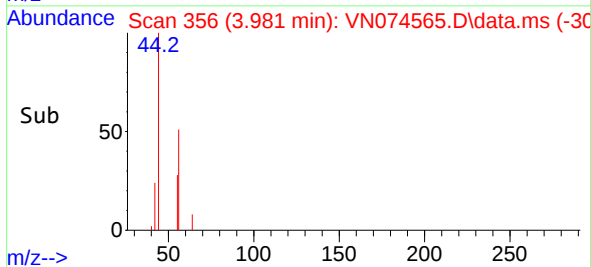
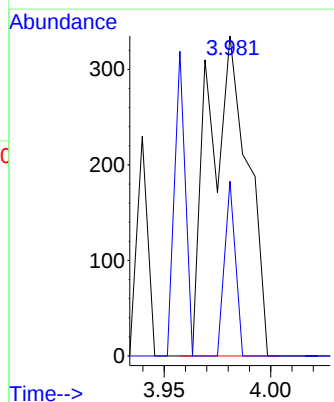
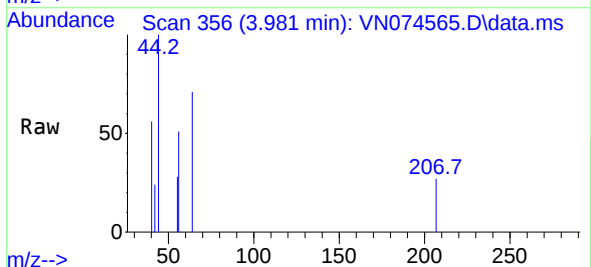
Instrument :
MSVOA_N
ClientSampleId :
HW-43

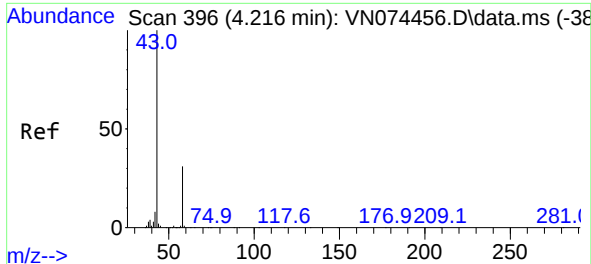
Tgt Ion: 96 Resp: 107
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.858 ug/l
RT: 3.981 min Scan# 356
Delta R.T. 0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 56 Resp: 429
Ion Ratio Lower Upper
56 100
55 15.2 54.8 82.2#

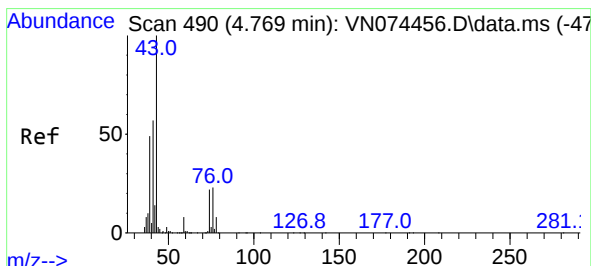
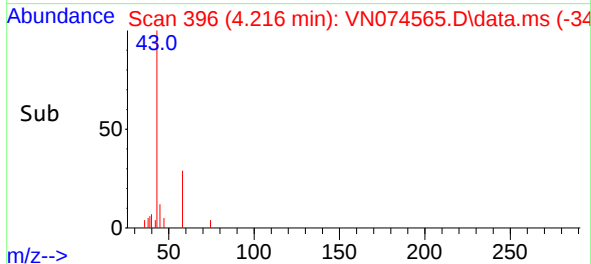
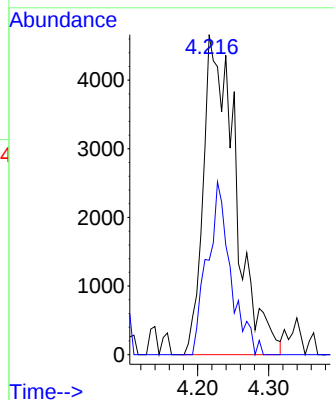
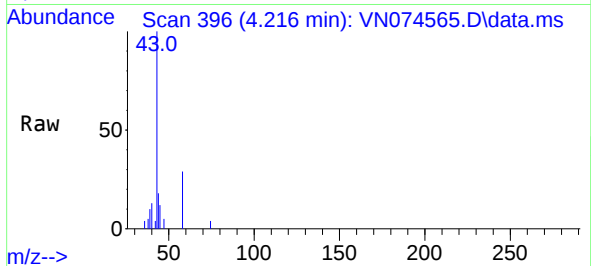




#16
Acetone
Concen: 5.515 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

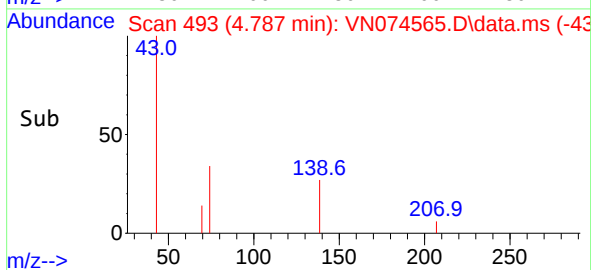
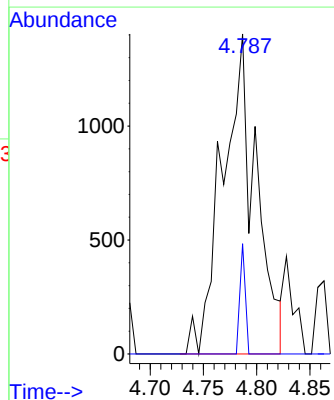
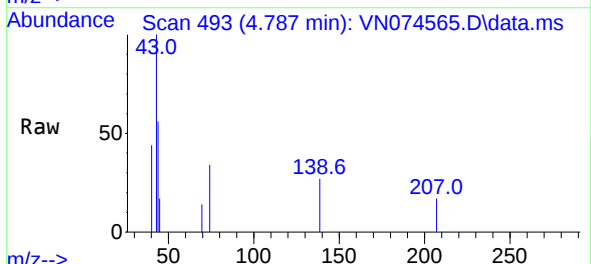
Instrument :
MSVOA_N
ClientSampleId :
HW-43

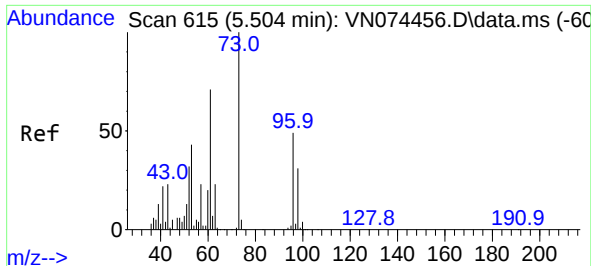
Tgt Ion: 43 Resp: 14837
Ion Ratio Lower Upper
43 100
58 29.5 26.0 39.0



#18
Methyl Acetate
Concen: 0.368 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 43 Resp: 3077
Ion Ratio Lower Upper
43 100
74 5.6 21.6 32.4#

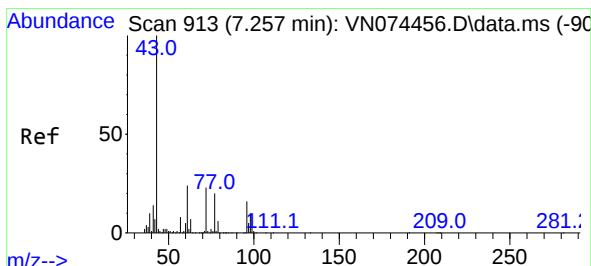
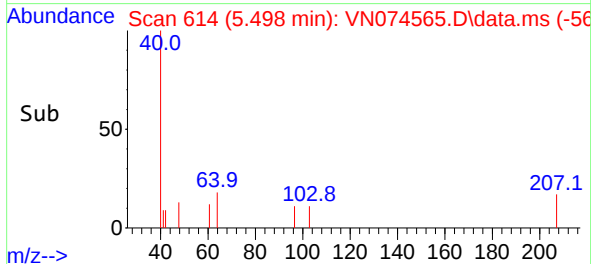
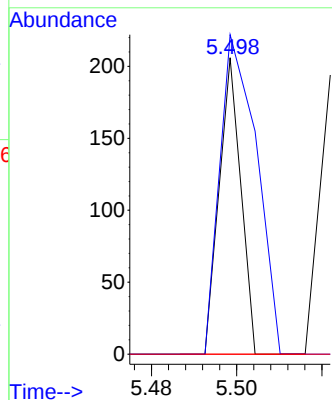
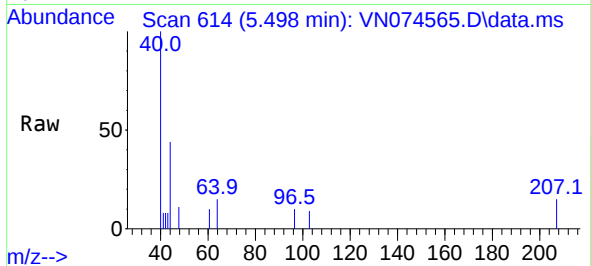




#21
trans-1,2-Dichloroethene
Concen: 0.449 ug/l
RT: 5.498 min Scan# 614
Delta R.T. -0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

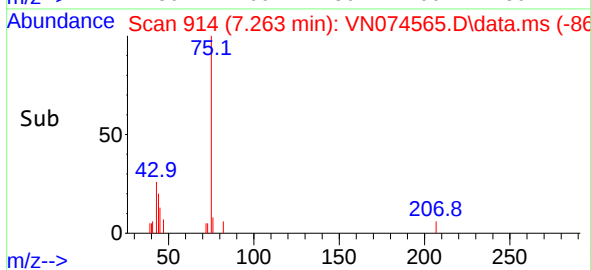
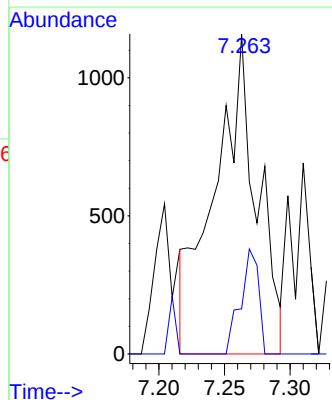
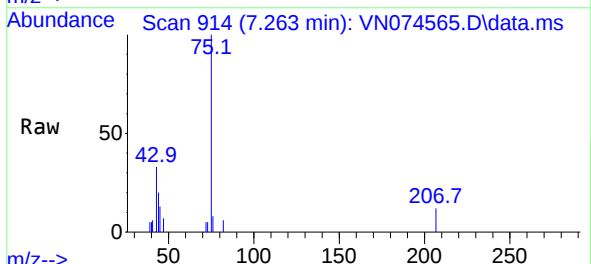
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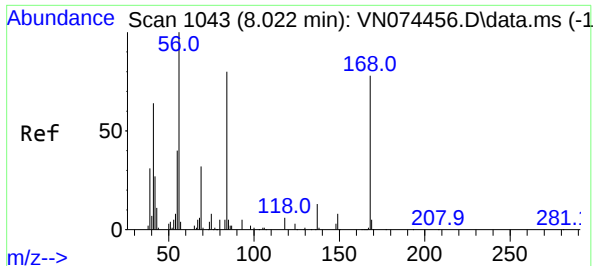
Tgt Ion: 96 Resp: 73
Ion Ratio Lower Upper
96 100
61 107.8 105.8 158.8
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.580 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 43 Resp: 2590
Ion Ratio Lower Upper
43 100
72 16.5 23.7 35.5#





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074565.D

Acq: 17 Sep 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

HW-43

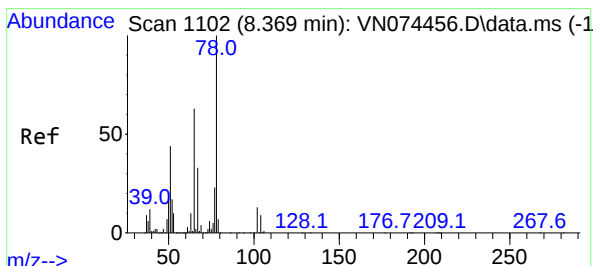
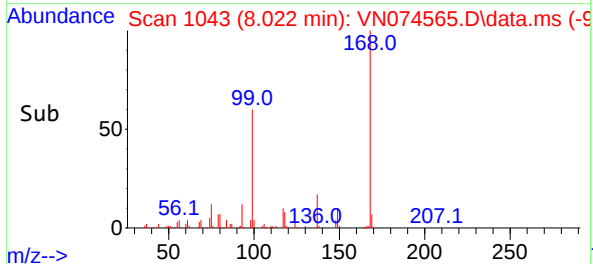
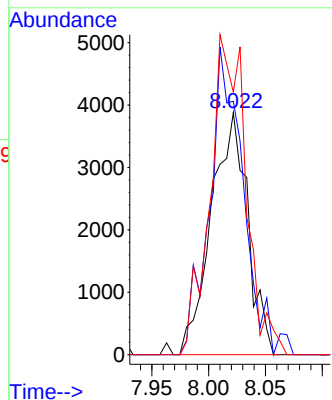
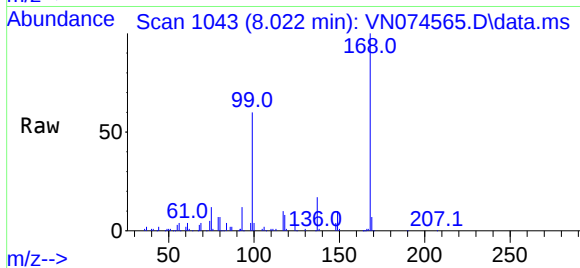
Tgt Ion: 56 Resp: 8635

Ion Ratio Lower Upper

56 100

69 104.7 27.8 41.8#

84 108.6 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 48.698 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074565.D

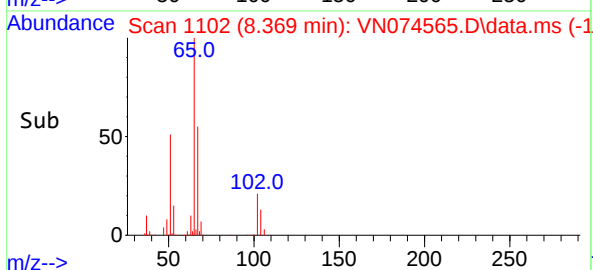
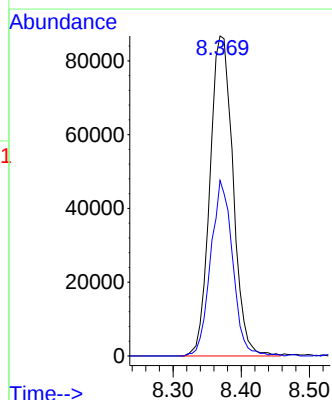
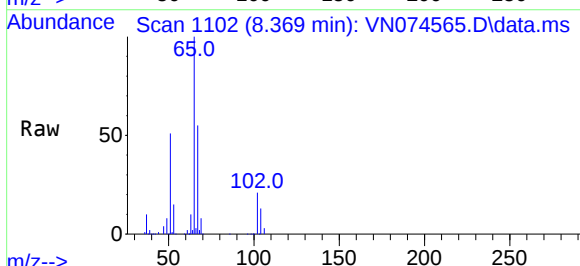
Acq: 17 Sep 2022 18:55

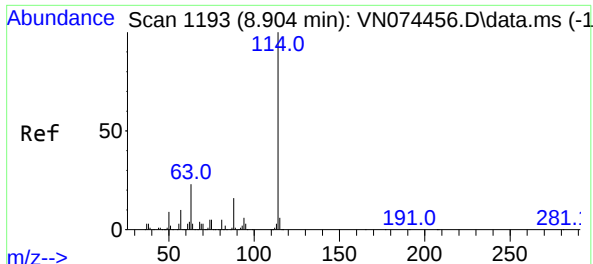
Tgt Ion: 65 Resp: 204738

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8



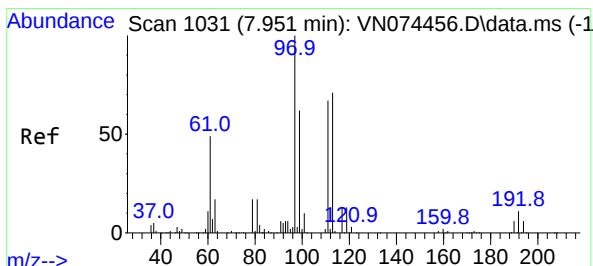
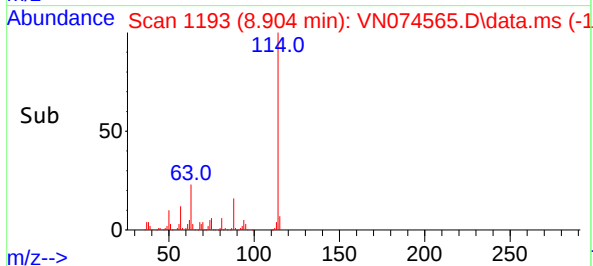
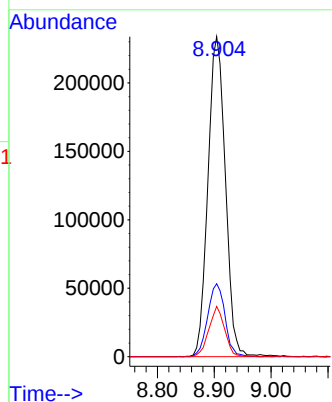
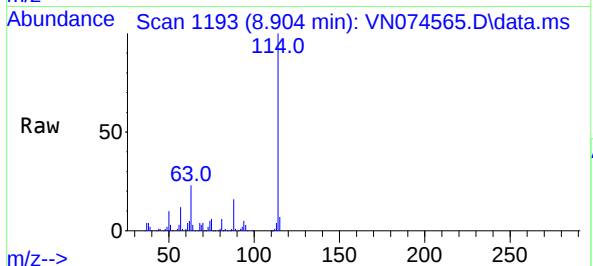


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Instrument :
MSVOA_N
ClientSampleId :
HW-43

Tgt Ion:114 Resp: 497095

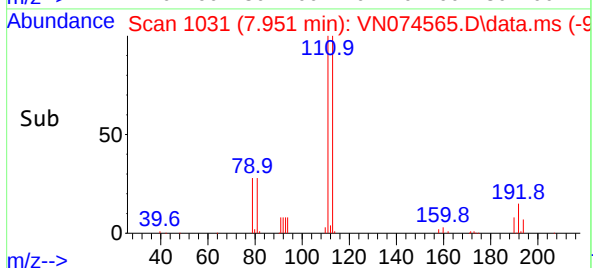
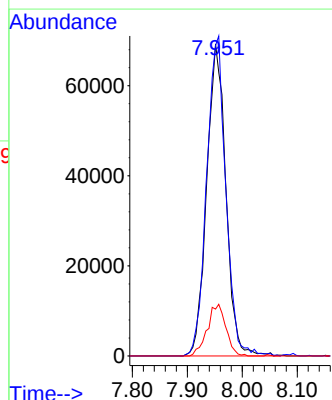
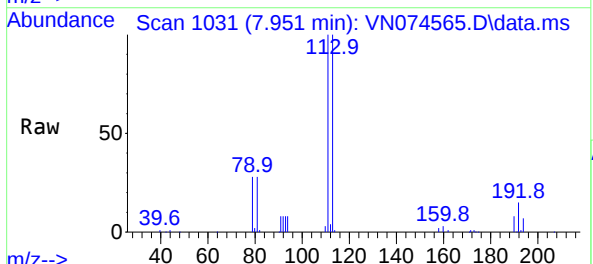
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	40.0
88	15.7	0.0	32.6

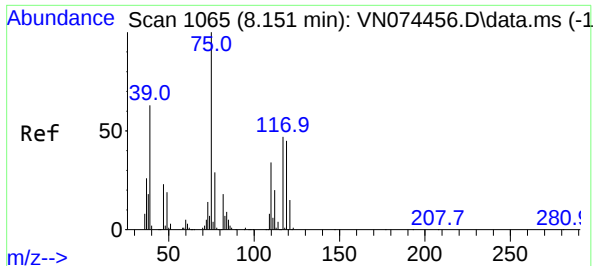


#35
Dibromofluoromethane
Concen: 50.781 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion:113 Resp: 167685

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	16.1	17.0	25.6#

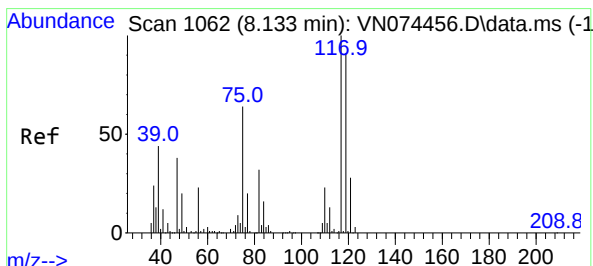
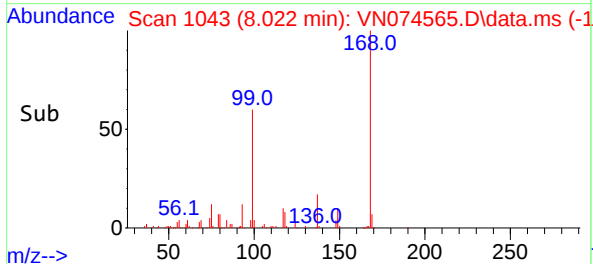
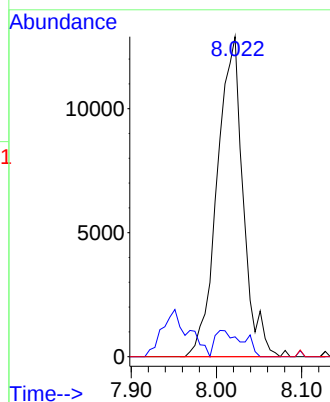
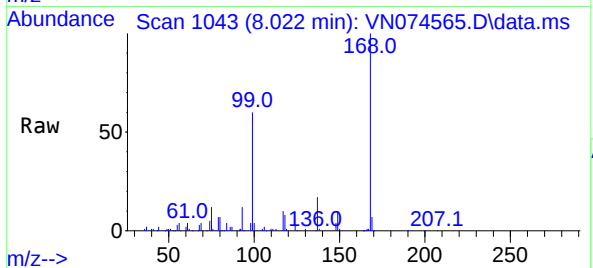




#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

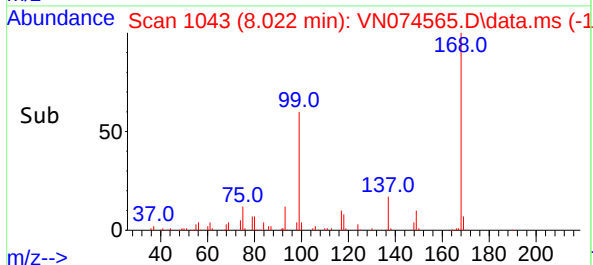
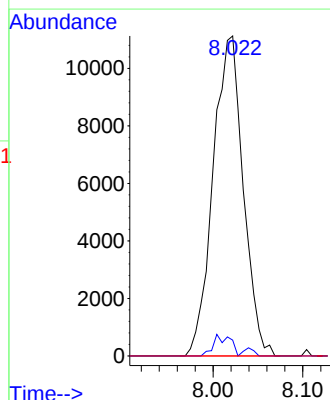
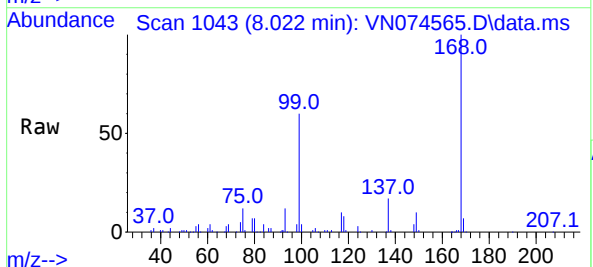
Instrument :
MSVOA_N
ClientSampleId :
HW-43

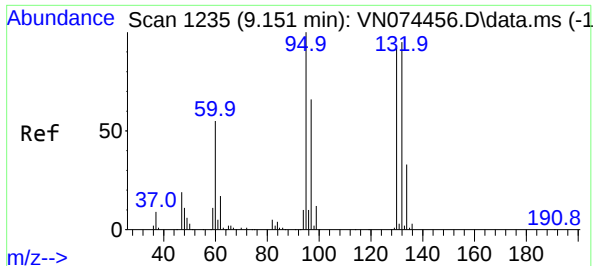
Tgt Ion: 75 Resp: 27287
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.809 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 117 Resp: 25949
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#

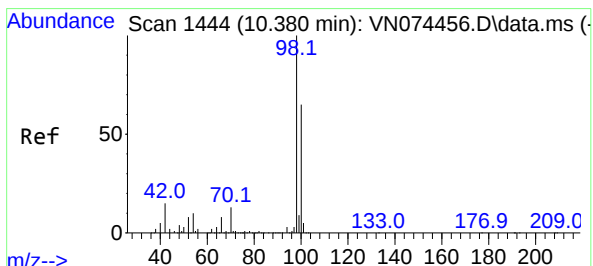
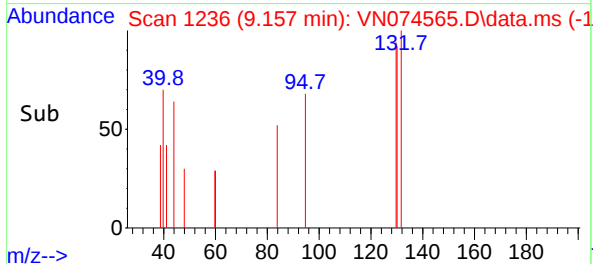
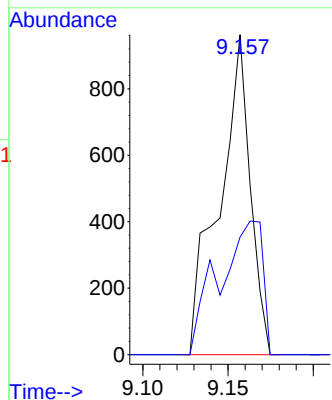
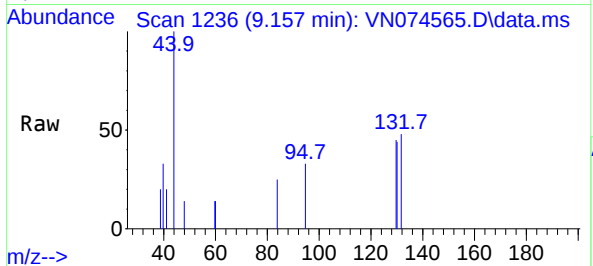




#44
Trichloroethene
Concen: 0.313 ug/l
RT: 9.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

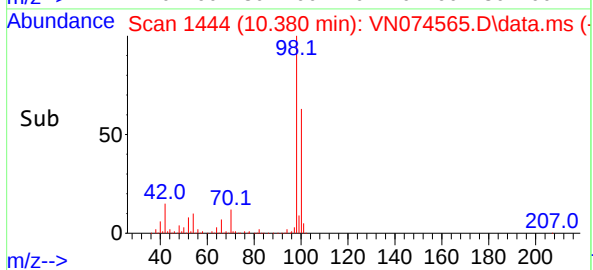
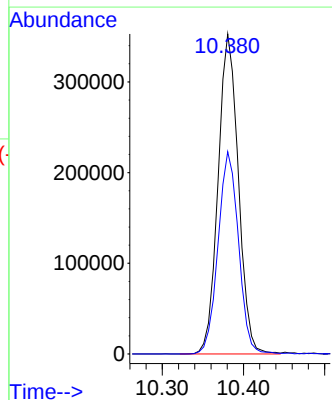
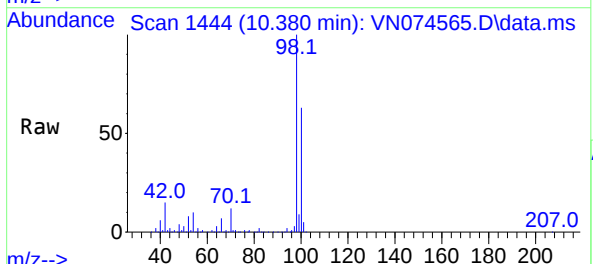
Instrument :
MSVOA_N
ClientSampleId :
HW-43

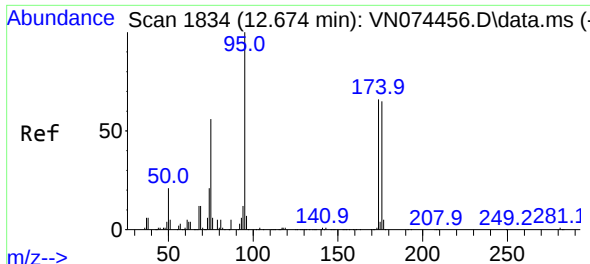
Tgt Ion:130 Resp: 1224
Ion Ratio Lower Upper
130 100
95 36.8 0.0 186.8



#50
Toluene-d8
Concen: 48.063 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 98 Resp: 613783
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8

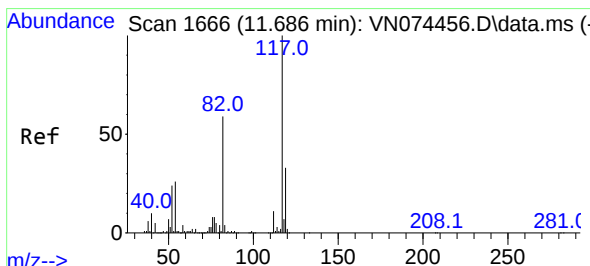
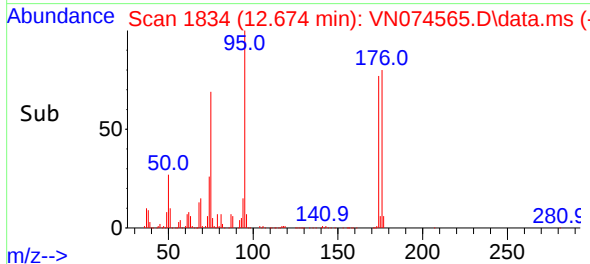
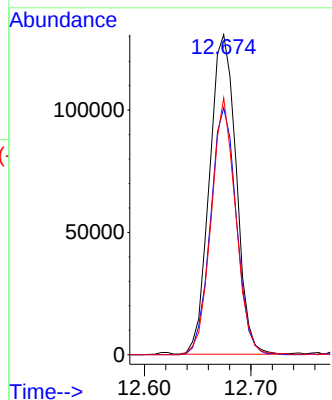
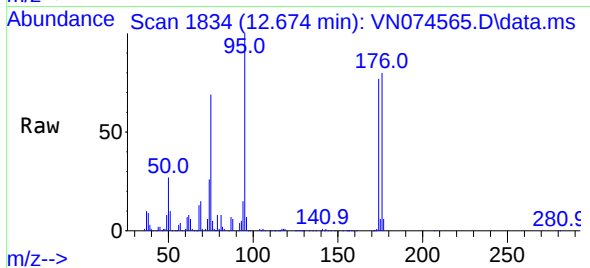




#62
4-Bromofluorobenzene
Concen: 51.849 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

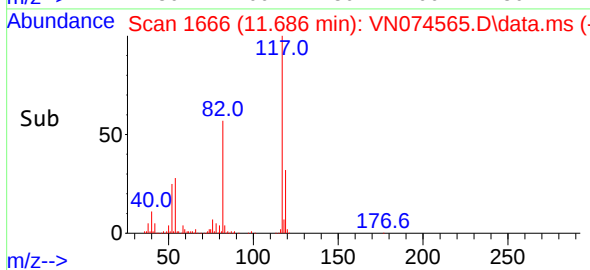
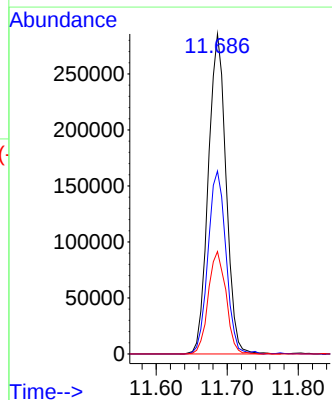
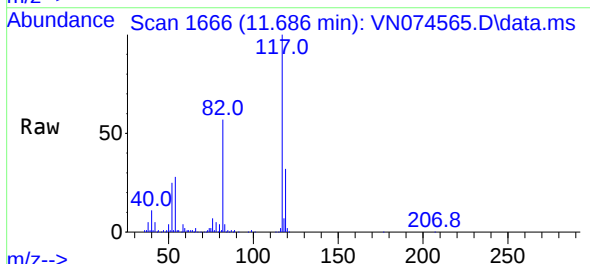
Instrument :
MSVOA_N
ClientSampleId :
HW-43

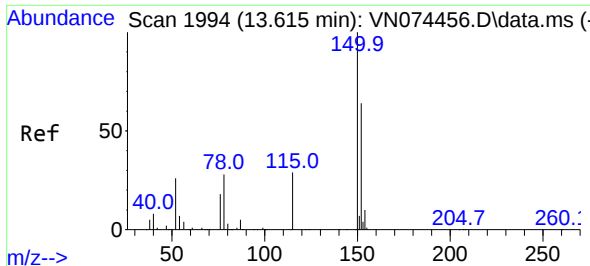
Tgt Ion: 95 Resp: 226781
Ion Ratio Lower Upper
95 100
174 75.2 0.0 167.6
176 73.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion: 117 Resp: 497147
Ion Ratio Lower Upper
117 100
82 57.2 44.2 66.2
119 32.0 25.4 38.0



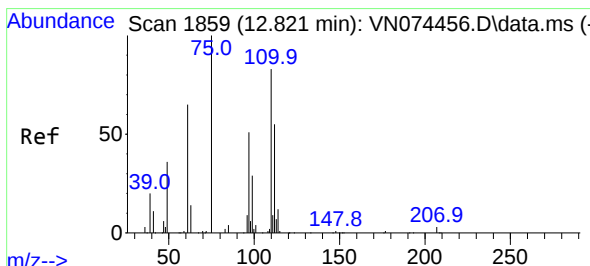
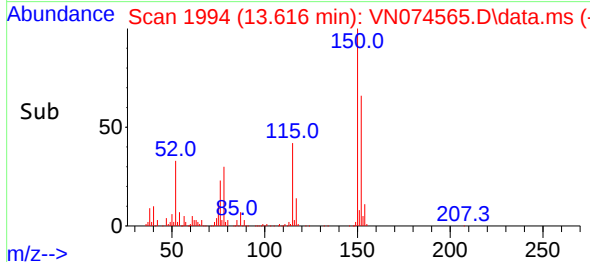
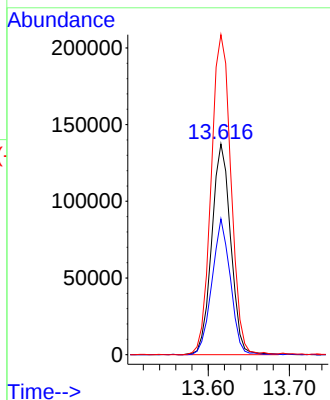
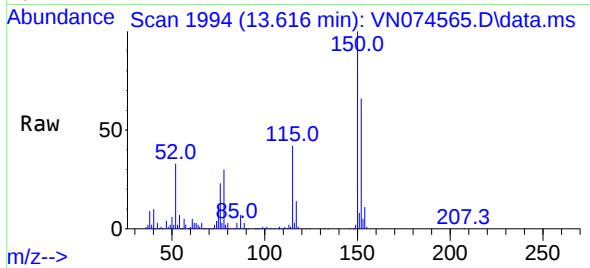


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074565.D
 Acq: 17 Sep 2022 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 HW-43

Tgt Ion:152 Resp: 223374

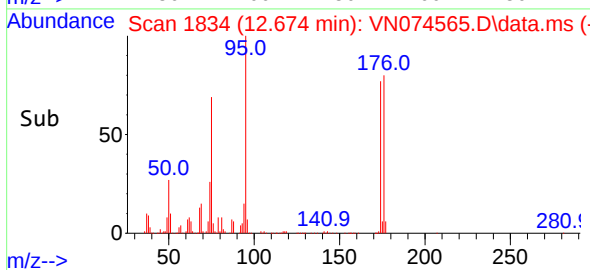
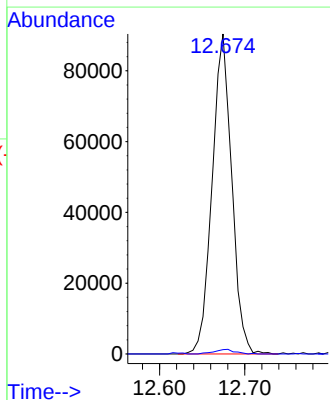
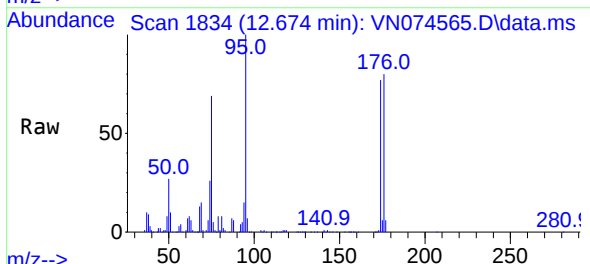
Ion	Ratio	Lower	Upper
152	100		
115	62.5	28.9	86.7
150	158.3	0.0	356.2

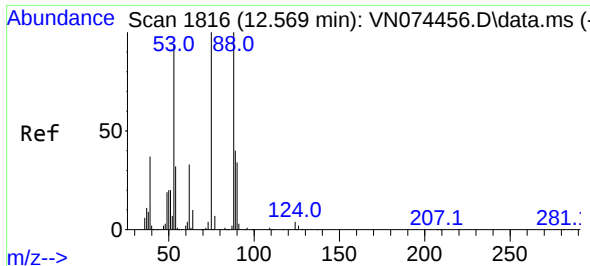


#76
 1,2,3-Trichloropropane
 Concen: 21.057 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074565.D
 Acq: 17 Sep 2022 18:55

Tgt Ion: 75 Resp: 144778

Ion	Ratio	Lower	Upper
75	100		
77	1.5	98.5	295.5#

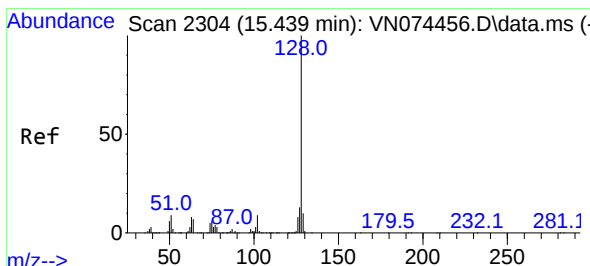
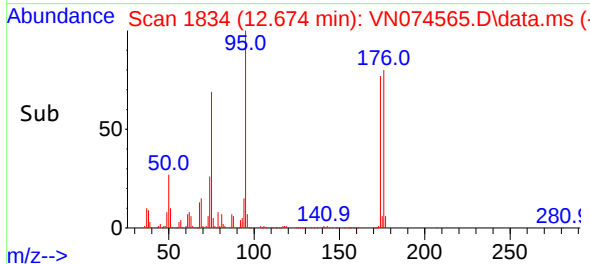
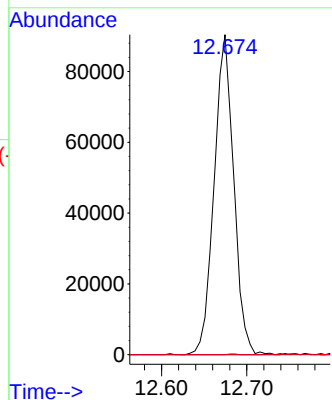
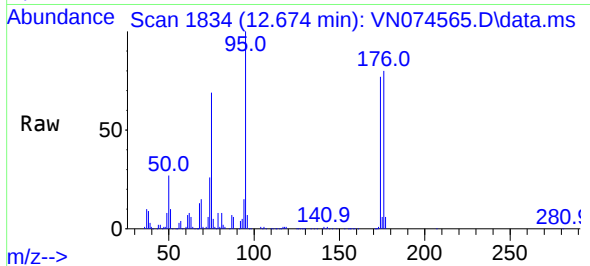




#81
trans-1,4-Dichloro-2-butene
Concen: 45.447 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

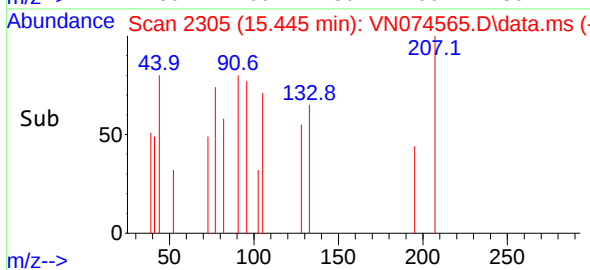
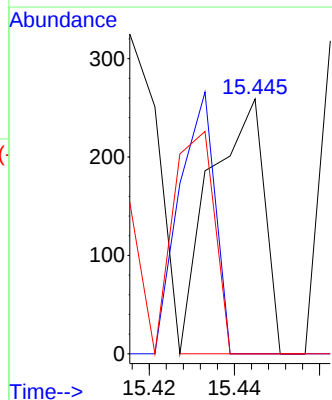
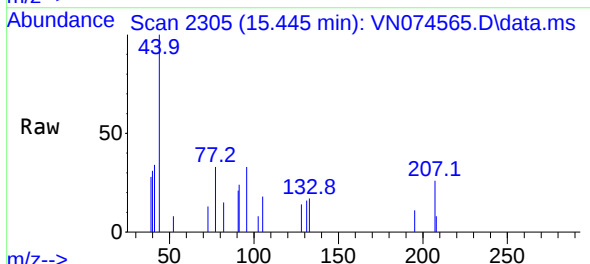
Instrument :
MSVOA_N
ClientSampleId :
HW-43

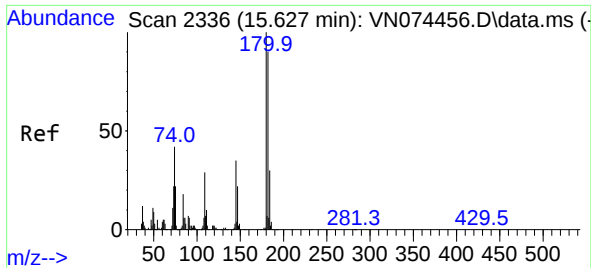
Tgt Ion: 75 Resp: 144778
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.601 ug/l
RT: 15.445 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN074565.D
Acq: 17 Sep 2022 18:55

Tgt Ion:128 Resp: 228
Ion Ratio Lower Upper
128 100
127 68.0 10.3 15.5#
129 66.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.350 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074565.D
 Acq: 17 Sep 2022 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 HW-43

Tgt Ion:	180	Resp:	63
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	15.5	46.5#

