

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055168.D
 Acq On : 07 Sep 2023 02:59
 Operator : MD/SY
 Sample : 04306-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4E5

Quant Time: Sep 07 03:33:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

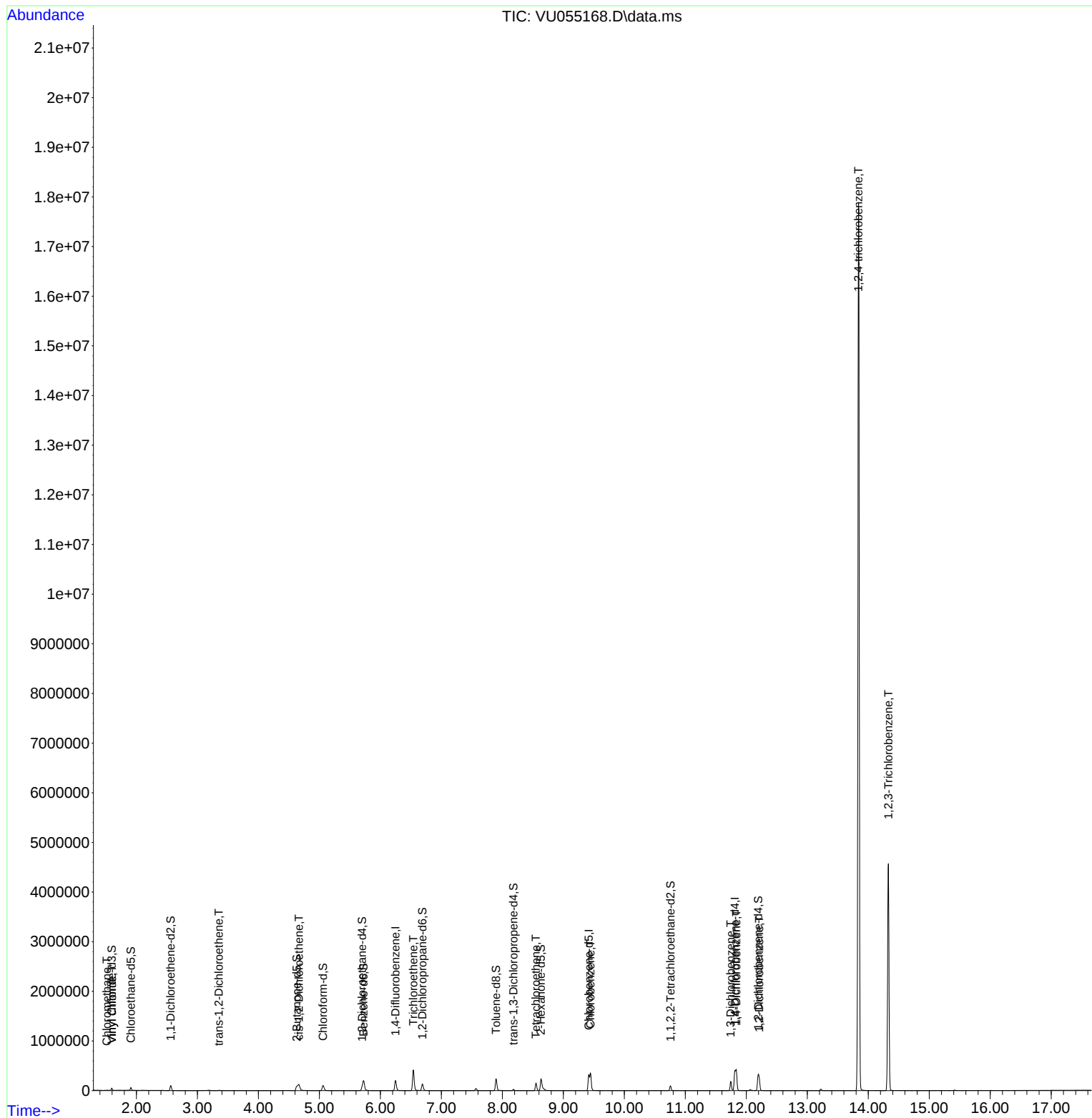
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	162431	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	164829	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	92717	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	29809	3.916	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.400%
7) Chloroethane-d5	1.908	69	38502	4.369	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.560	65	19208	4.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	4.628	46	120869	54.712	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.420%
24) Chloroform-d	5.059	84	98302	4.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.698	65	50683	5.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.724	84	185574	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.689	67	62363	4.819	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.898	98	161009	4.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
43) trans-1,3-Dichloroprop...	8.181	79	13955	3.916	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.400%
46) 2-Hexanone-d5	8.631	63	75867	52.438	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.880%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	46515	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	66551	4.918	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	2476	0.258	ug/L #	78
5) Vinyl chloride	1.599	62	1987	0.196	ug/L #	77
18) trans-1,2-Dichloroethene	3.351	96	1626	0.213	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	52126	5.589	ug/L	94
34) Trichloroethene	6.541	95	143133	14.681	ug/L	97
47) Tetrachloroethene	8.550	164	33059	4.906	ug/L	94
51) Chlorobenzene	9.444	112	175221	7.074	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	72302	3.484	ug/L	94
65) 1,4-Dichlorobenzene	11.836	146	151976	7.347	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	79152	4.068	ug/L	97
70) 1,2,4-trichlorobenzene	13.840	180	4654364	316.459	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	1239689	97.110	ug/L	98

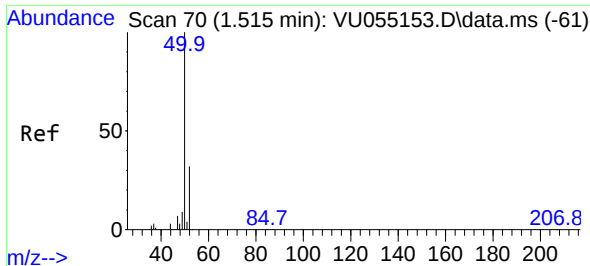
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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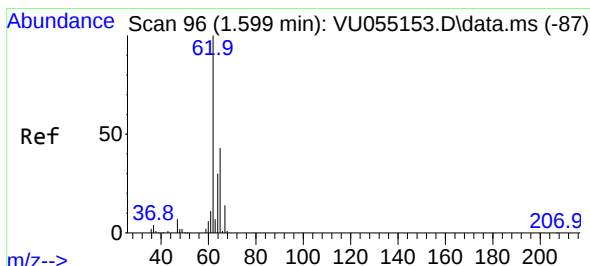
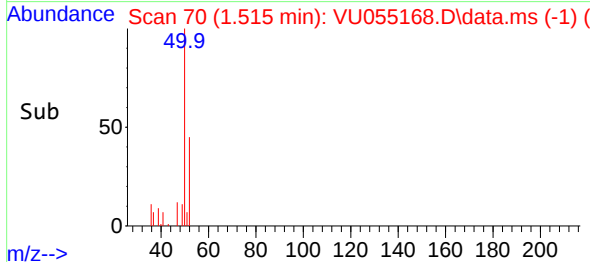
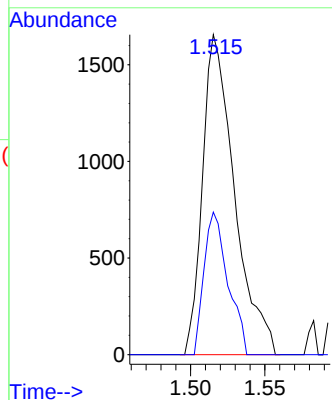
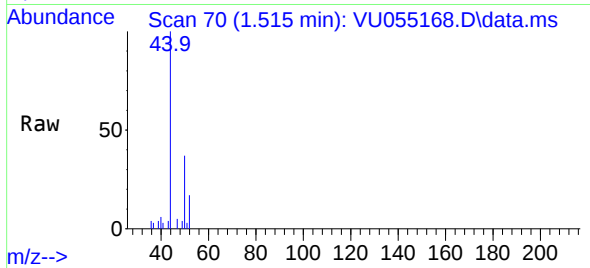




#3
Chloromethane
Concen: 0.258 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

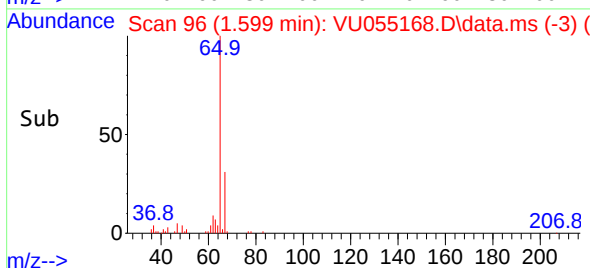
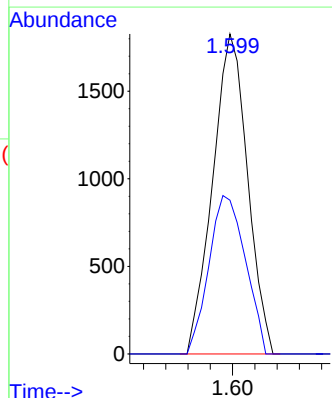
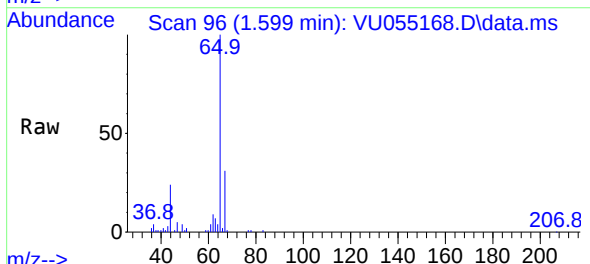
Instrument :
MSVOA_U
ClientSampleId :
BH4E5

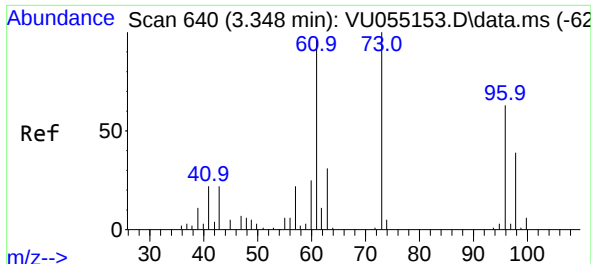
Tgt Ion: 50 Resp: 2476
Ion Ratio Lower Upper
50 100
52 44.6 22.5 41.7#



#5
Vinyl chloride
Concen: 0.196 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

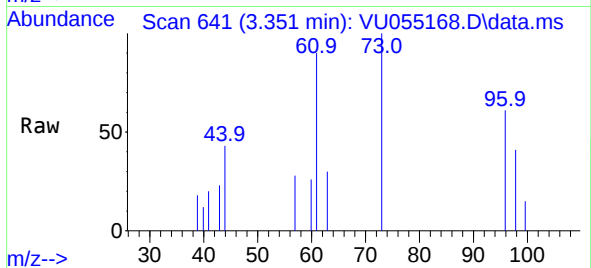
Tgt Ion: 62 Resp: 1987
Ion Ratio Lower Upper
62 100
64 48.1 24.2 45.0#



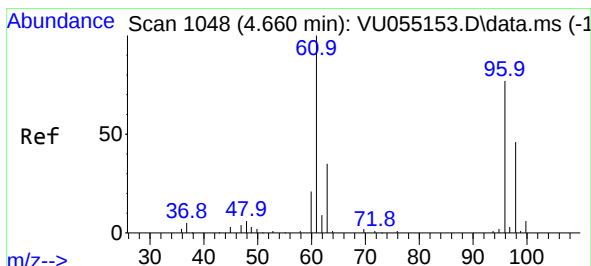
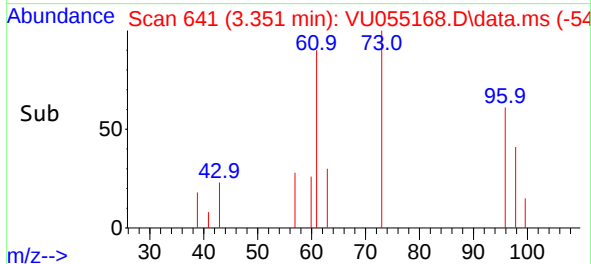
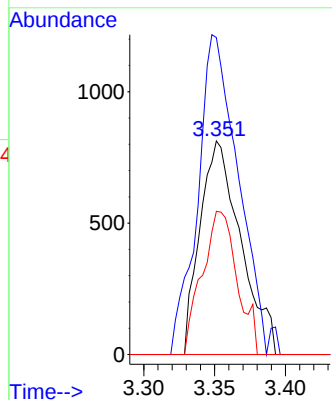


#18
trans-1,2-Dichloroethene
Concen: 0.213 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :
BH4E5

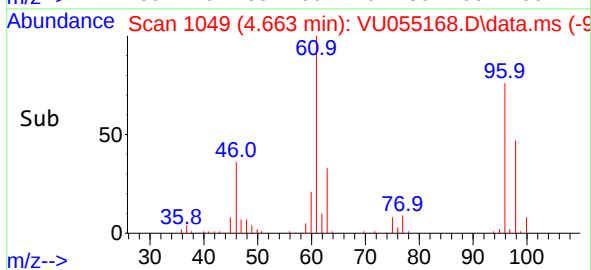
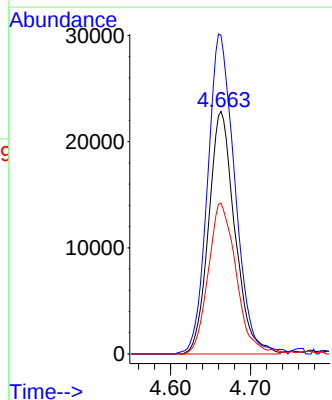
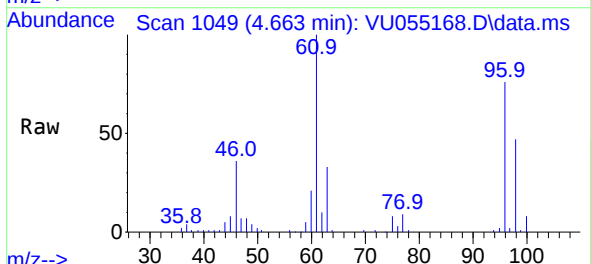


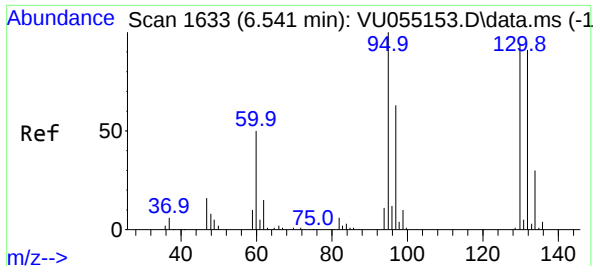
Tgt Ion: 96 Resp: 1626
Ion Ratio Lower Upper
96 100
61 148.3 108.1 200.9
98 67.0 45.4 84.4



#22
cis-1,2-Dichloroethene
Concen: 5.589 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion: 96 Resp: 52126
Ion Ratio Lower Upper
96 100
61 131.4 97.2 180.4
98 62.2 46.1 85.7

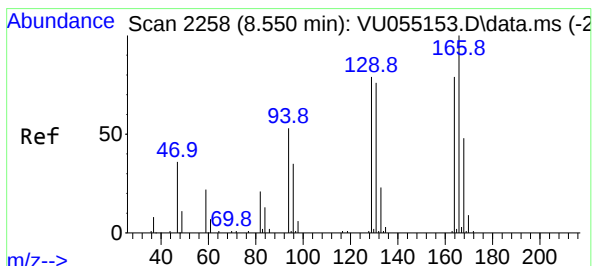
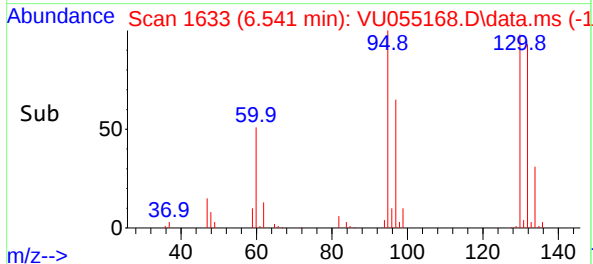
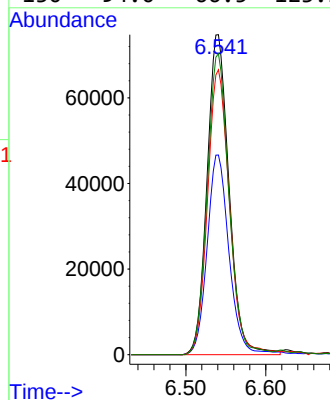
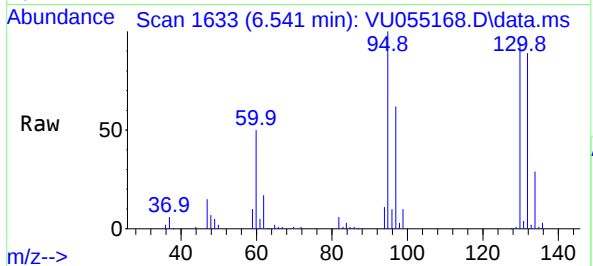




#34
Trichloroethene
Concen: 14.681 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

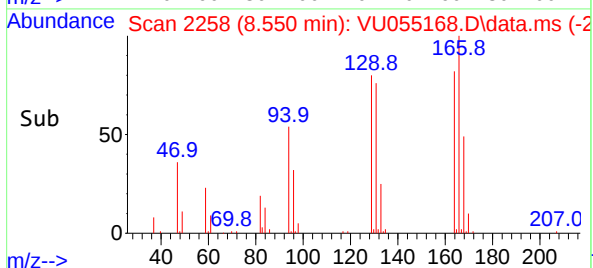
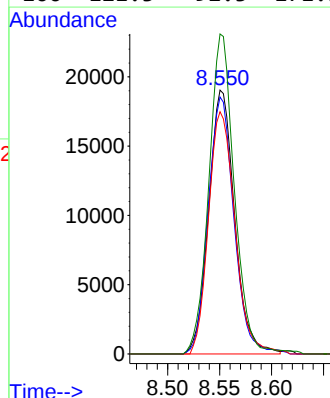
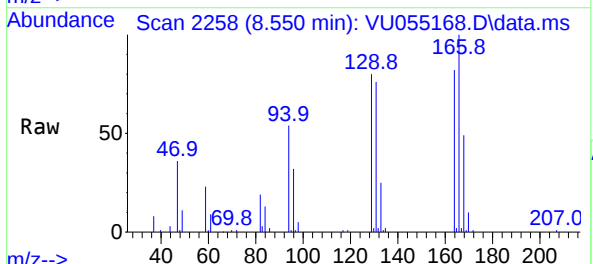
Instrument :
MSVOA_U
ClientSampleId :
BH4E5

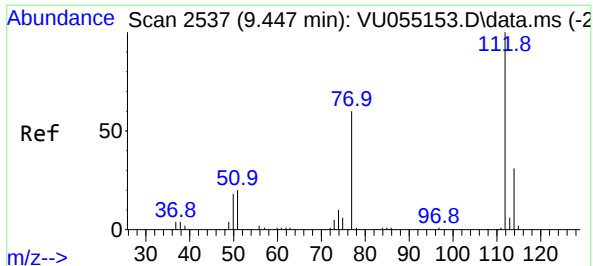
Tgt Ion: 95 Resp: 143133
Ion Ratio Lower Upper
95 100
97 62.4 44.7 83.1
132 89.0 66.6 123.6
130 94.0 66.5 123.5



#47
Tetrachloroethene
Concen: 4.906 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion:164 Resp: 33059
Ion Ratio Lower Upper
164 100
129 97.4 69.2 128.6
131 91.8 68.8 127.8
166 121.3 92.3 171.5

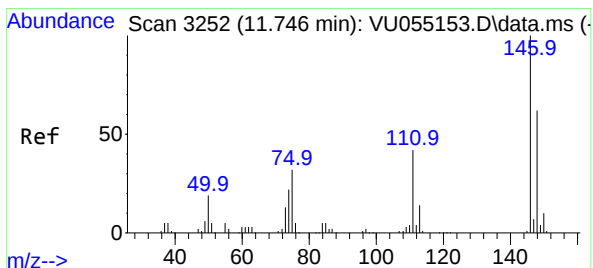
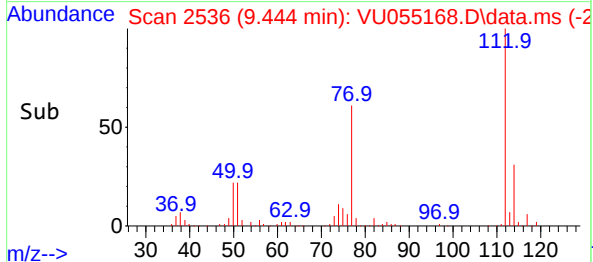
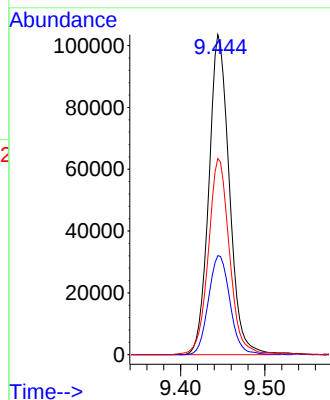
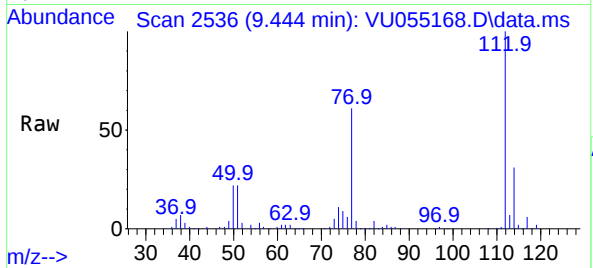




#51
Chlorobenzene
Concen: 7.074 ug/L
RT: 9.444 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

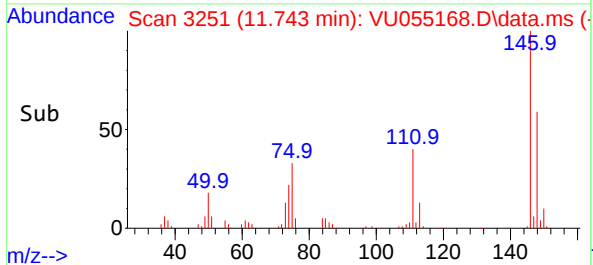
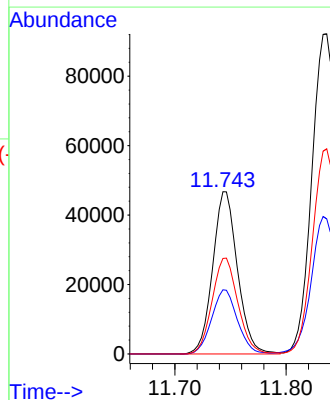
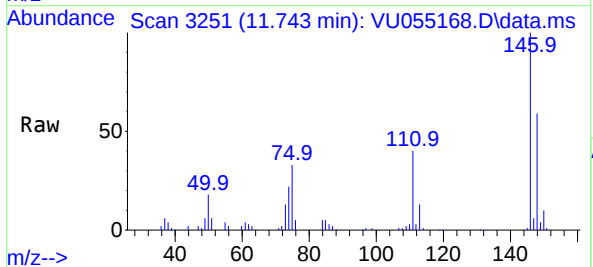
Instrument :
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ClientSampleId :
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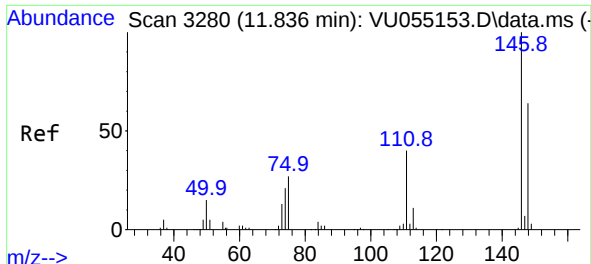
Tgt Ion:112 Resp: 175221
Ion Ratio Lower Upper
112 100
114 30.9 21.7 40.3
77 61.3 48.6 72.8



#64
1,3-Dichlorobenzene
Concen: 3.484 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion:146 Resp: 72302
Ion Ratio Lower Upper
146 100
111 39.6 30.0 55.6
148 58.8 45.2 84.0

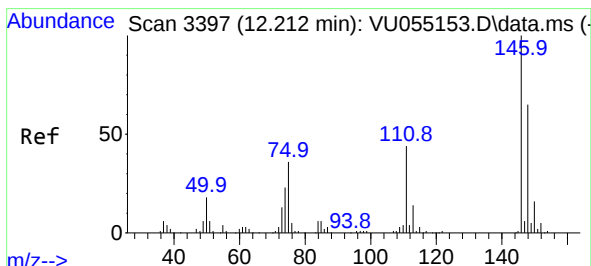
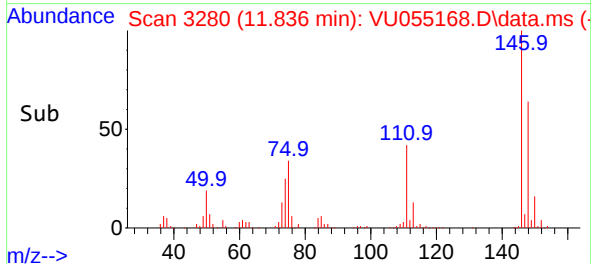
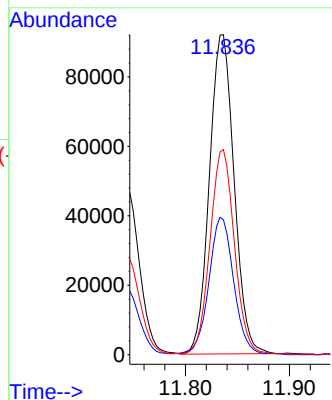
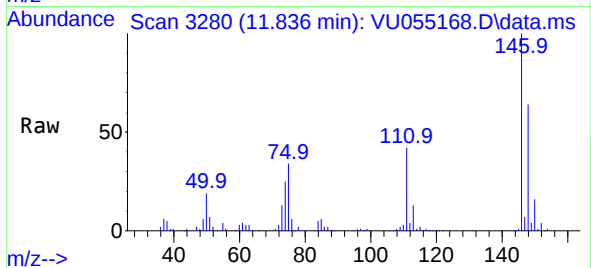




#65
1,4-Dichlorobenzene
Concen: 7.347 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

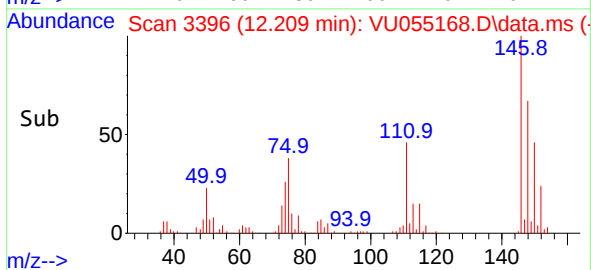
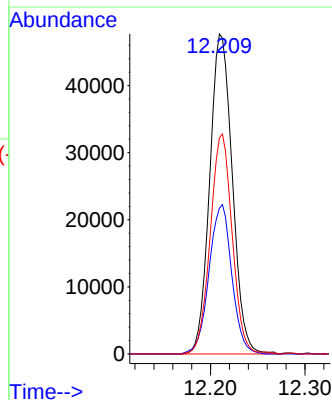
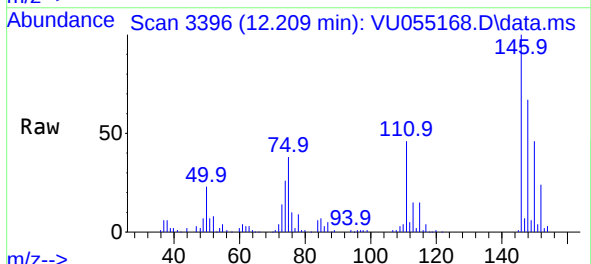
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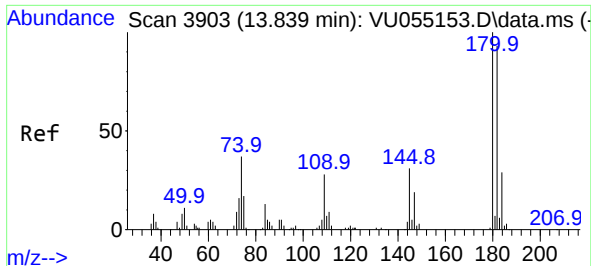
Tgt Ion:146 Resp: 151976
Ion Ratio Lower Upper
146 100
111 42.2 28.1 52.1
148 64.1 43.8 81.3



#67
1,2-Dichlorobenzene
Concen: 4.068 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion:146 Resp: 79152
Ion Ratio Lower Upper
146 100
111 45.6 35.6 53.4
148 67.5 51.3 76.9

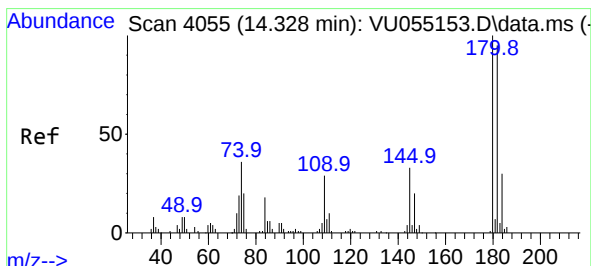
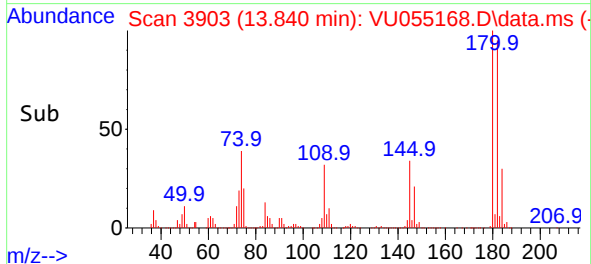
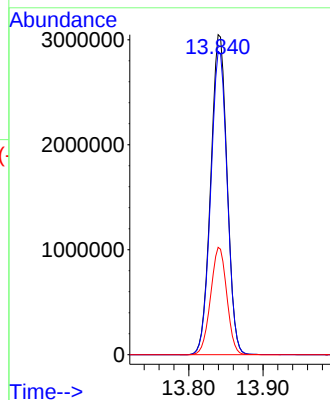
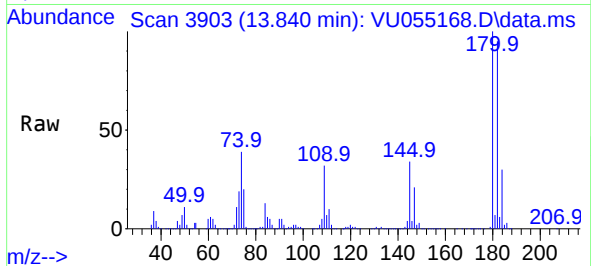




#70
1,2,4-trichlorobenzene
Concen: 316.459 ug/L
RT: 13.840 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :
BH4E5

Tgt Ion:180 Resp: 4654364
Ion Ratio Lower Upper
180 100
182 95.5 73.6 110.4
145 33.2 25.8 38.8



#72
1,2,3-Trichlorobenzene
Concen: 97.110 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion:180 Resp: 1239689
Ion Ratio Lower Upper
180 100
182 96.1 75.6 113.4
145 34.8 27.0 40.6

