

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052216.D
 Acq On : 07 Dec 2022 23:34
 Operator : JC/MD
 Sample : N5916-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5N28

Quant Time: Dec 08 04:33:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

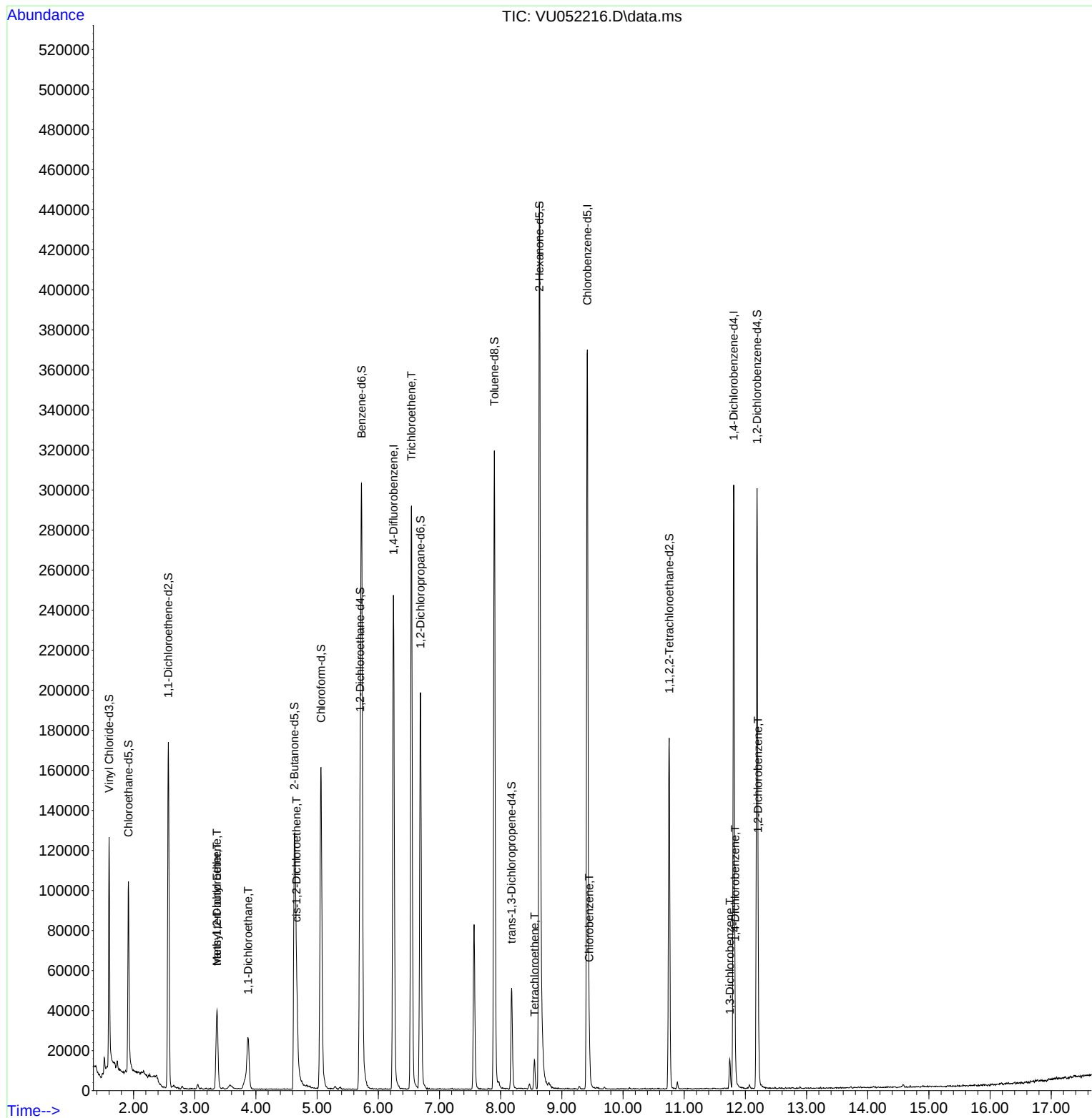
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	209637	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	218950	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	84188	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	84885	4.163	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.916	69	75445	4.763	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.568	65	32869	4.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	4.629	46	216376	58.540	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.080%
24) Chloroform-d	5.063	84	154259	5.149	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.703	65	78414	5.181	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.726	84	302491	4.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.690	67	102172	5.079	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.896	98	224675	3.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.179	79	31156	4.250	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.632	63	151664	48.819	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.640%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	90310	5.178	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	83719	5.194	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
17) Methyl tert-butyl Ether	3.362	73	38978	1.145	ug/L	99
18) trans-1,2-Dichloroethene	3.362	96	1657	0.102	ug/L	# 65
19) 1,1-Dichloroethane	3.874	63	22884	0.779	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	11710	0.684	ug/L	96
34) Trichloroethene	6.542	95	102140	5.747	ug/L	97
47) Tetrachloroethene	8.555	164	3569	0.262	ug/L	96
51) Chlorobenzene	9.446	112	13645	0.292	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	7172	0.266	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	3195	0.119	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	8405	0.323	ug/L	96

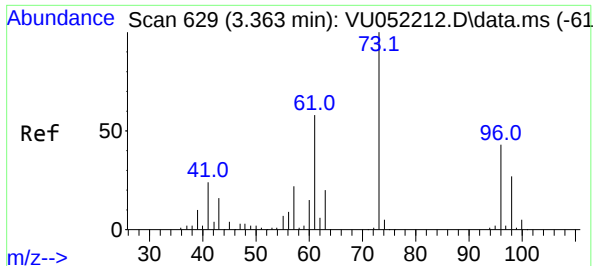
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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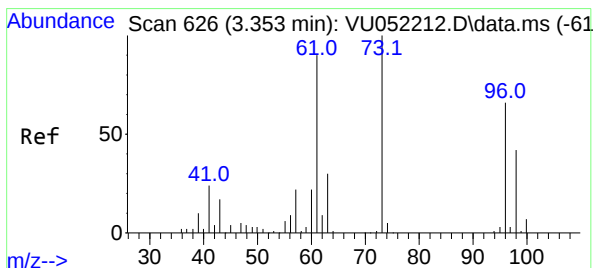
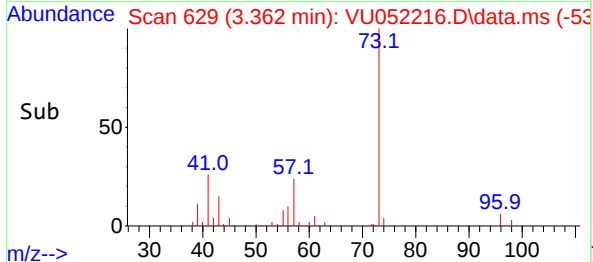
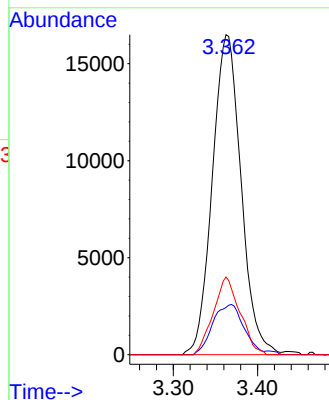
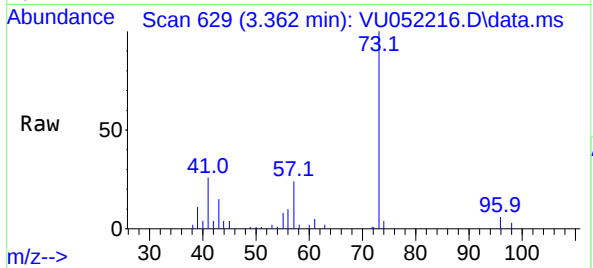


#17
Methyl tert-butyl Ether
Concen: 1.145 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

Instrument :
MSVOA_U
ClientSampleId :
F5N28

Tgt Ion: 73 Resp: 38978

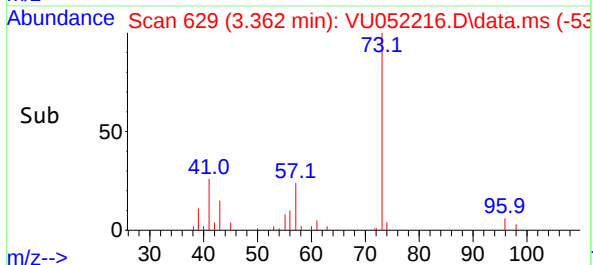
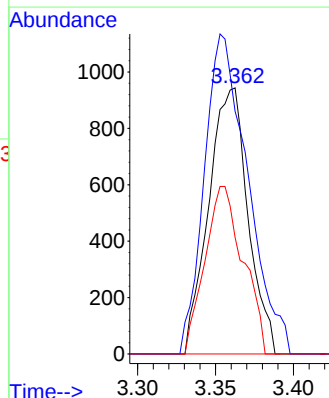
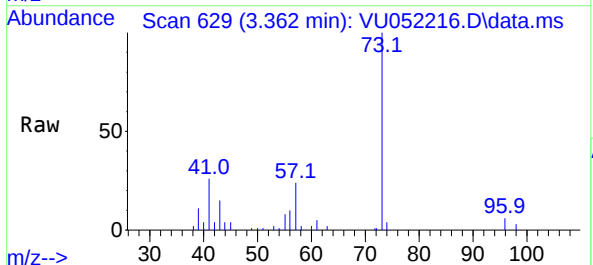
Ion	Ratio	Lower	Upper
73	100		
43	17.0	13.2	19.8
57	22.6	17.8	26.8

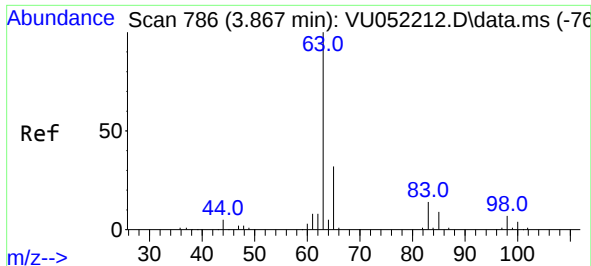


#18
trans-1,2-Dichloroethene
Concen: 0.102 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.010 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

Tgt Ion: 96 Resp: 1657

Ion	Ratio	Lower	Upper
96	100		
61	91.2	97.9	181.7#
98	43.9	43.8	81.3

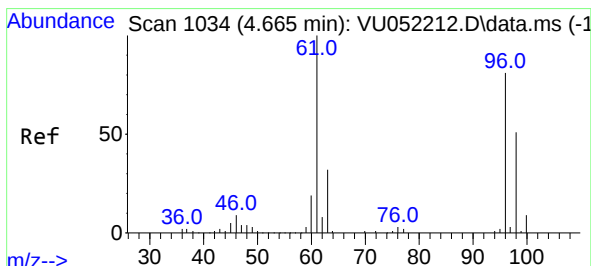
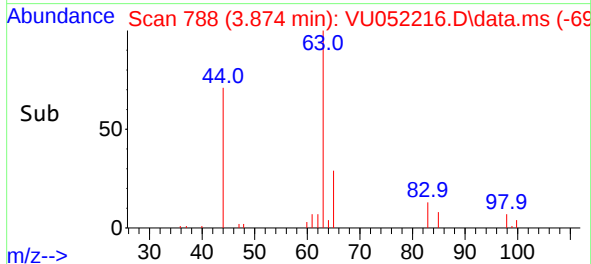
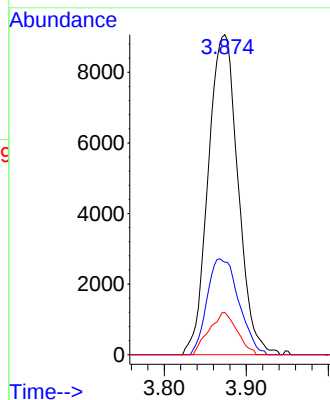
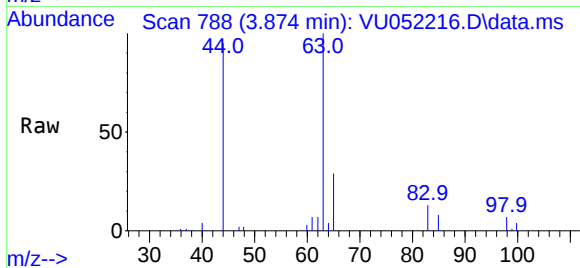




#19
1,1-Dichloroethane
Concen: 0.779 ug/L
RT: 3.874 min Scan# 71
Delta R.T. 0.006 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

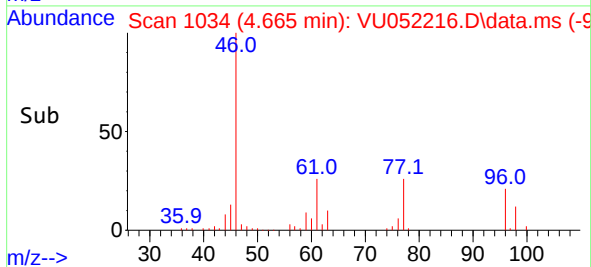
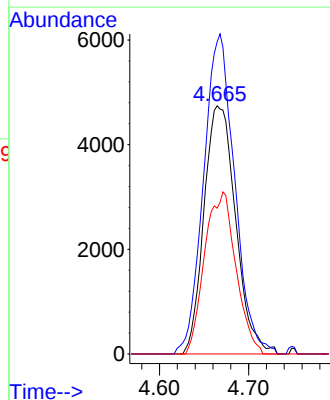
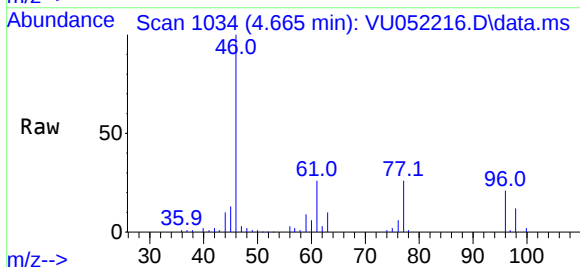
Instrument :
MSVOA_U
ClientSampleId :
F5N28

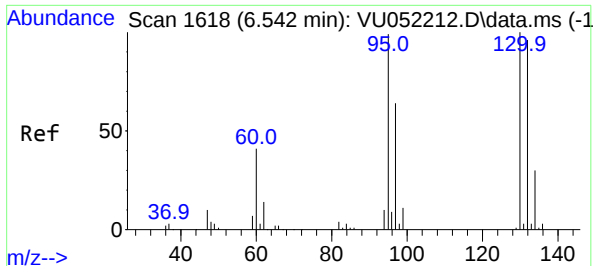
Tgt Ion: 63 Resp: 22884
Ion Ratio Lower Upper
63 100
65 28.9 22.2 41.2
83 13.2 9.2 17.0



#22
cis-1,2-Dichloroethene
Concen: 0.684 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

Tgt Ion: 96 Resp: 11710
Ion Ratio Lower Upper
96 100
61 125.8 85.1 158.1
98 58.8 42.8 79.6

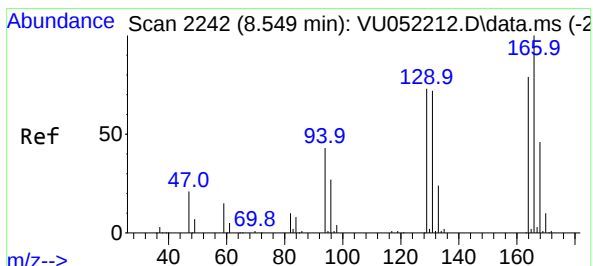
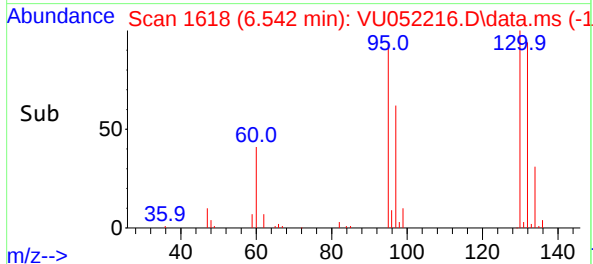
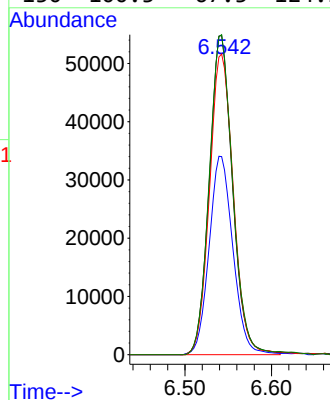
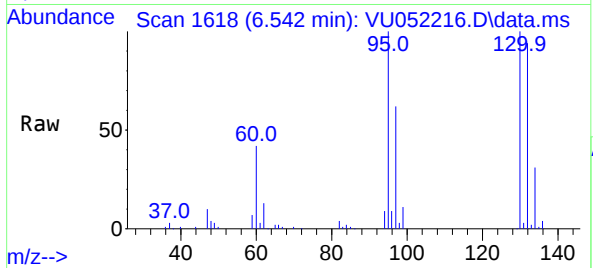




#34
Trichloroethene
Concen: 5.747 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

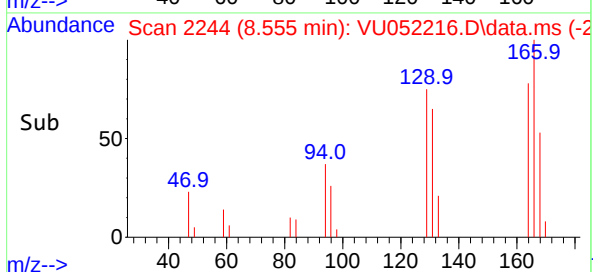
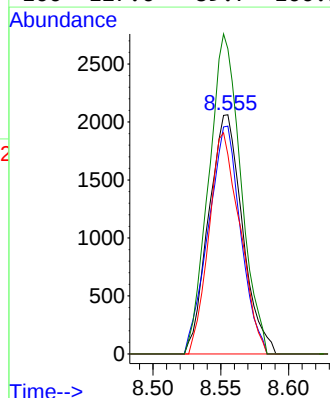
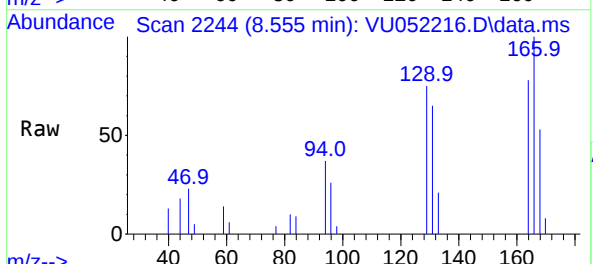
Instrument :
MSVOA_U
ClientSampleId :
F5N28

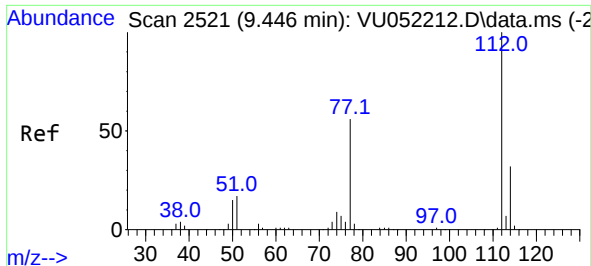
Tgt Ion: 95 Resp: 102140
Ion Ratio Lower Upper
95 100
97 62.1 43.7 81.1
132 94.2 64.3 119.3
130 100.3 67.3 124.9



#47
Tetrachloroethene
Concen: 0.262 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.006 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

Tgt Ion:164 Resp: 3569
Ion Ratio Lower Upper
164 100
129 95.2 67.4 125.2
131 83.4 67.1 124.7
166 127.6 89.7 166.5





#51

Chlorobenzene

Concen: 0.292 ug/L

RT: 9.446 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU052216.D

Acq: 07 Dec 2022 23:34

Instrument :

MSVOA_U

ClientSampleId :

F5N28

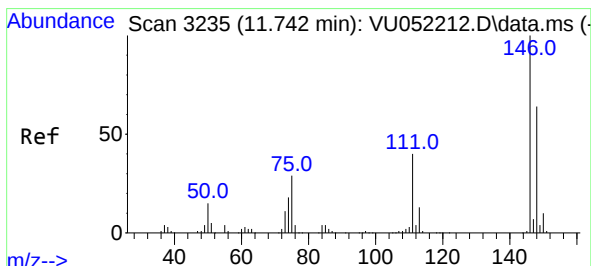
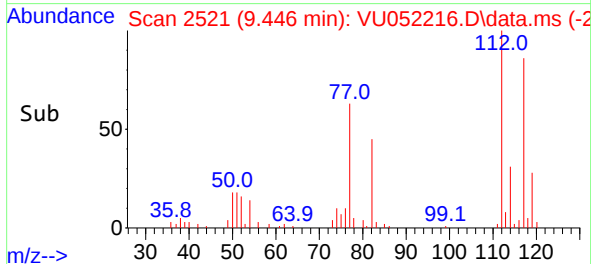
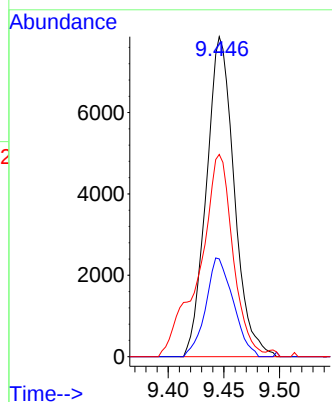
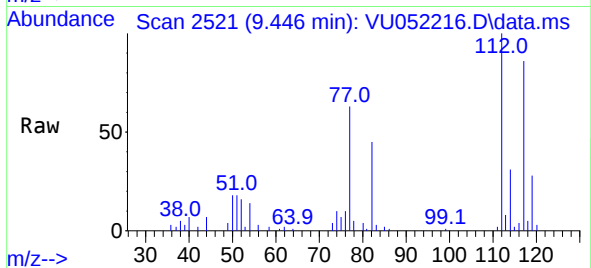
Tgt Ion:112 Resp: 13645

Ion Ratio Lower Upper

112 100

114 30.6 22.2 41.2

77 63.2 46.6 70.0



#64

1,3-Dichlorobenzene

Concen: 0.266 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. 0.003 min

Lab File: VU052216.D

Acq: 07 Dec 2022 23:34

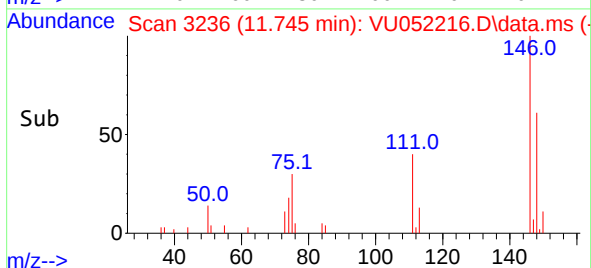
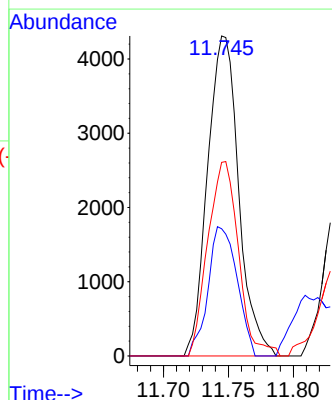
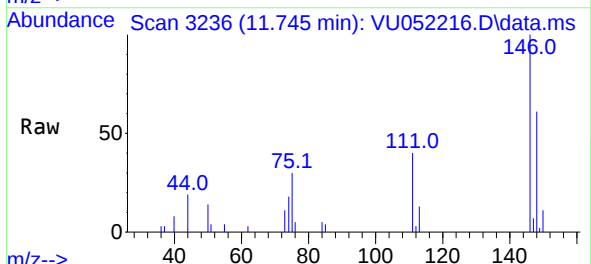
Tgt Ion:146 Resp: 7172

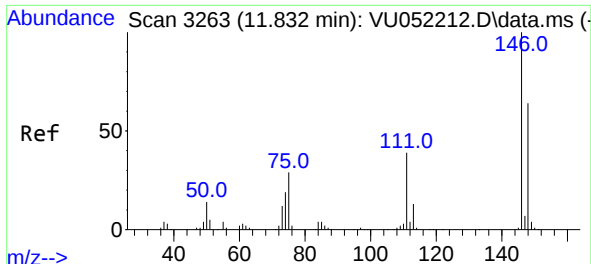
Ion Ratio Lower Upper

146 100

111 39.8 28.6 53.2

148 60.5 45.4 84.2

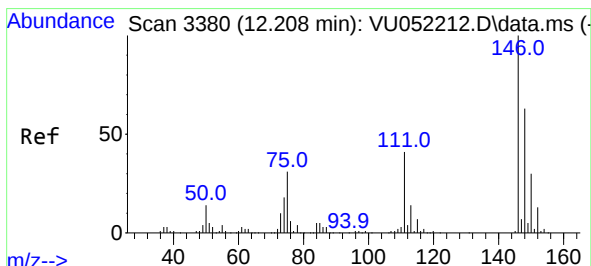
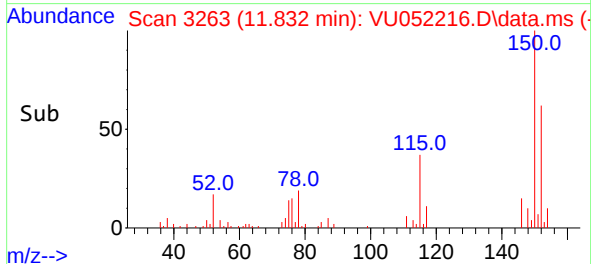
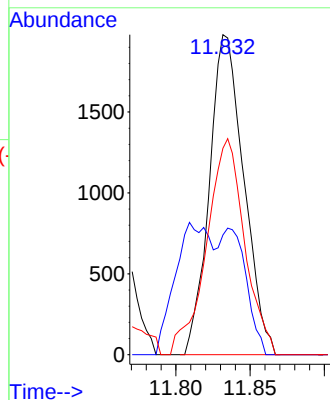
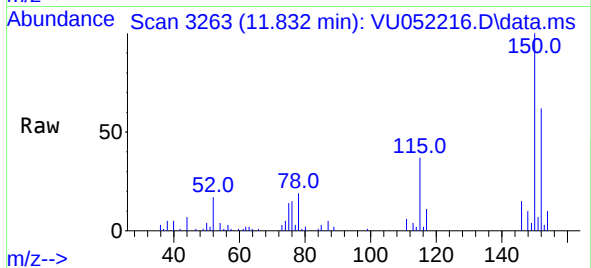




#65
1,4-Dichlorobenzene
Concen: 0.119 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

Instrument :
MSVOA_U
ClientSampleId :
F5N28

Tgt Ion:	146	Resp:	3195
Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.9	50.1
148	64.5	45.1	83.7



#67
1,2-Dichlorobenzene
Concen: 0.323 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

Tgt Ion:	146	Resp:	8405
Ion	Ratio	Lower	Upper
146	100		
111	43.1	32.7	49.1
148	66.1	50.6	75.8

