

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	
3) Chloromethane	1.523	50	5316	0.224	ug/L	99
5) Vinyl chloride	1.607	62	1879	0.082	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1072	0.070	ug/L #	20
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
33) Benzene	5.774	78	4462	0.063	ug/L	100
34) Trichloroethene	6.542	95	102140	5.747	ug/L	97
35) Methylcyclohexane	6.690	83	22917	0.896	ug/L #	26
37) 1,2-Dichloropropane	6.687	63	10265	0.556	ug/L #	89
39) cis-1,3-Dichloropropene	7.568	75	2239	0.095	ug/L #	64
47) Tetrachloroethene	8.555	164	3569	0.262	ug/L	96
49) Dibromochloromethane	8.555	129	3258	0.210	ug/L #	12
51) Chlorobenzene	9.446	112	13645	0.292	ug/L	95
61) 1,2,3-Trichloropropane	11.742	75	2033	0.211	ug/L #	41
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

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QLast Update : Thu Dec 08 04:19:43 2022
Response via : Initial Calibration

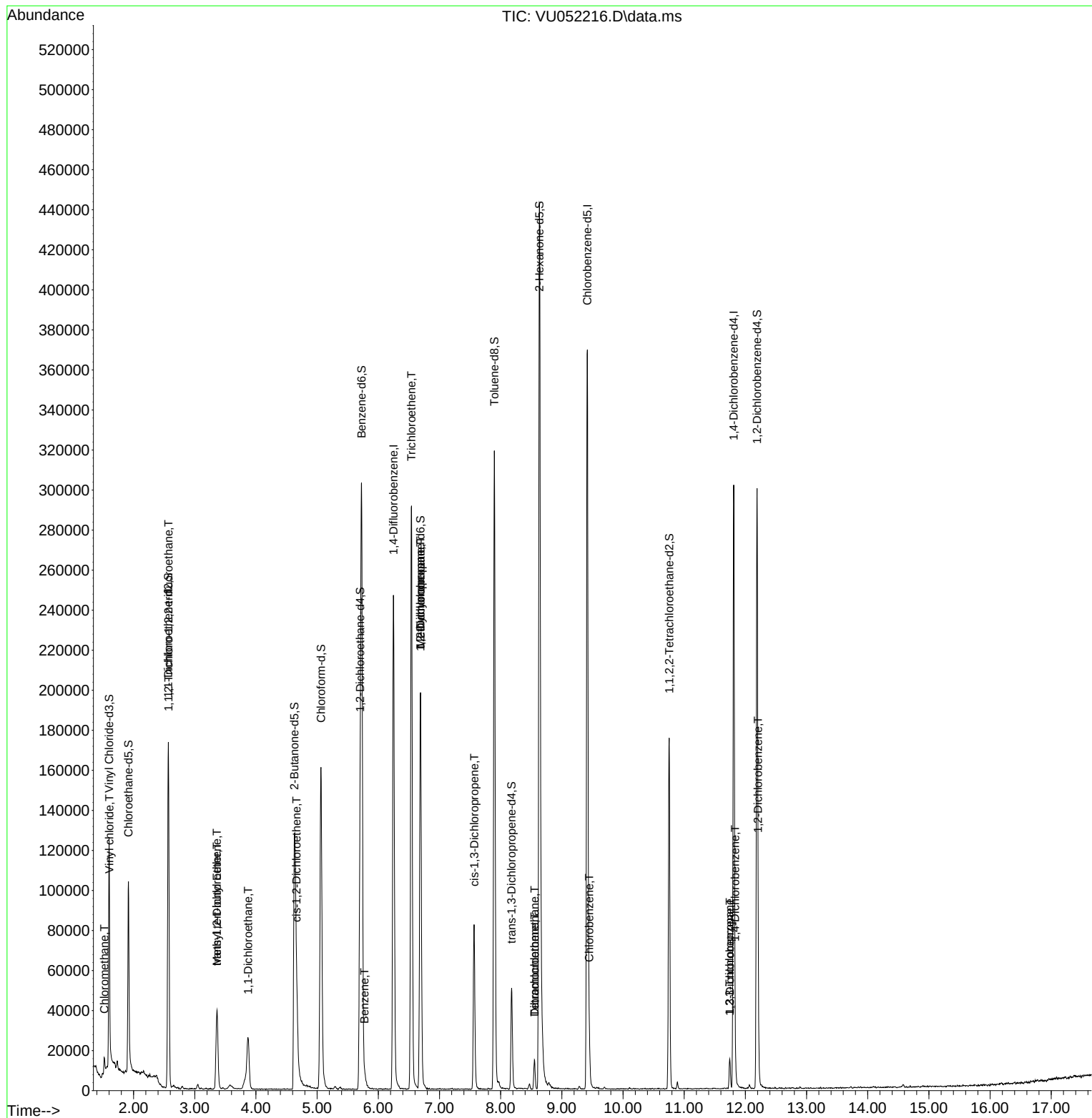
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

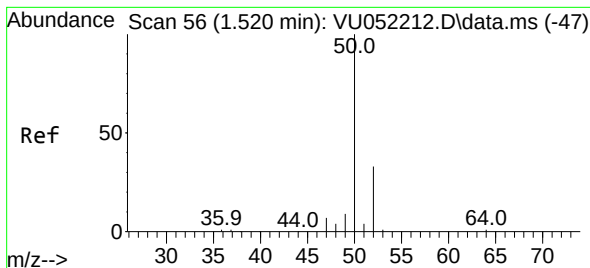
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.224 ug/L

RT: 1.523 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU052216.D

Acq: 07 Dec 2022 23:34

Instrument :

MSVOA_U

ClientSampleId :

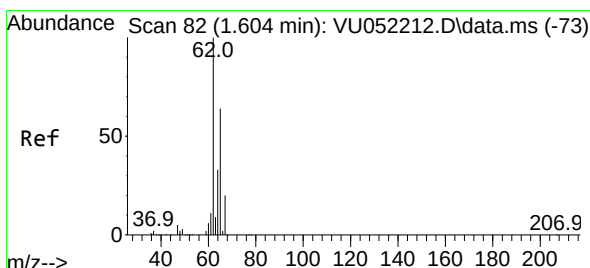
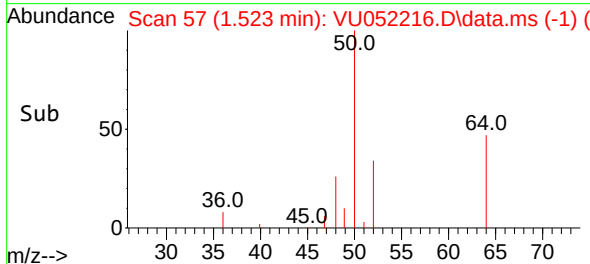
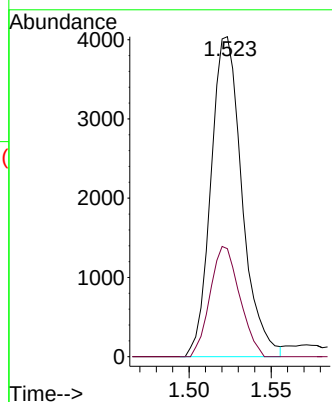
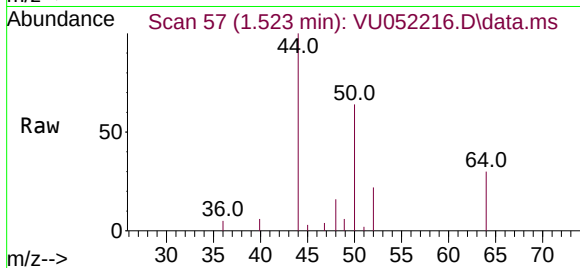
F5N28

Tgt Ion: 50 Resp: 5316

Ion Ratio Lower Upper

50 100

52 33.7 23.4 43.4



#5

Vinyl chloride

Concen: 0.082 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.003 min

Lab File: VU052216.D

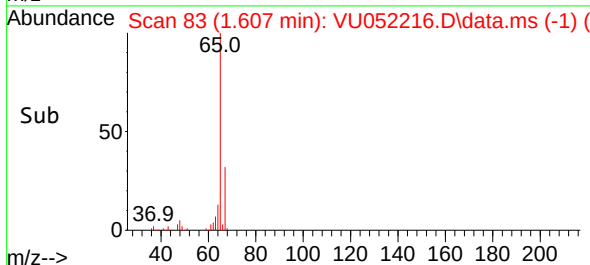
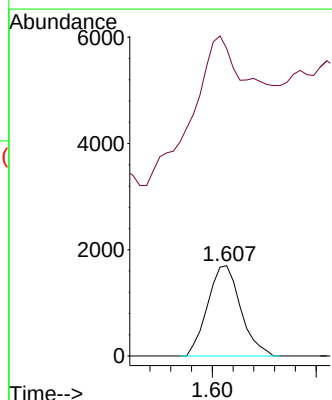
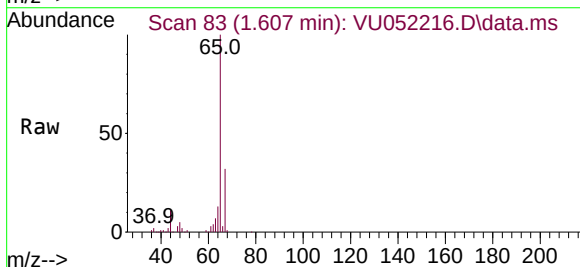
Acq: 07 Dec 2022 23:34

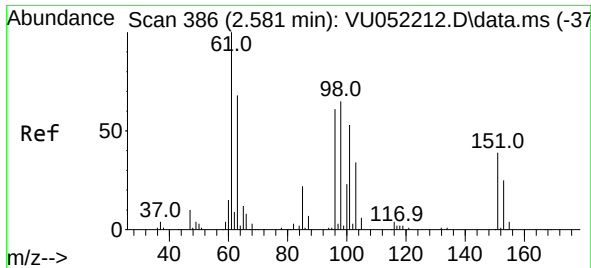
Tgt Ion: 62 Resp: 1879

Ion Ratio Lower Upper

62 100

64 340.2 23.5 43.7#

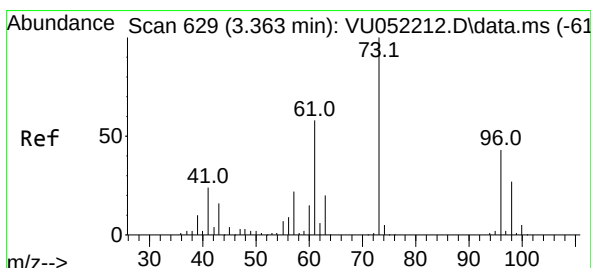
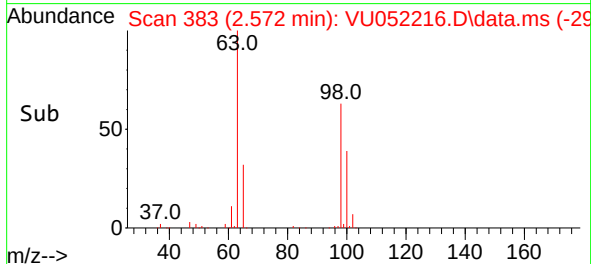
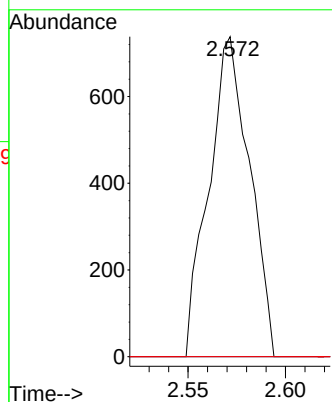
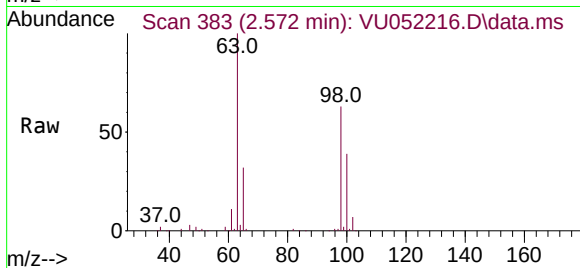




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.070 ug/L
RT: 2.572 min Scan# 386
Delta R.T. -0.010 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

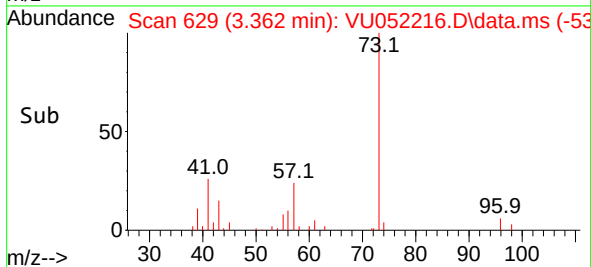
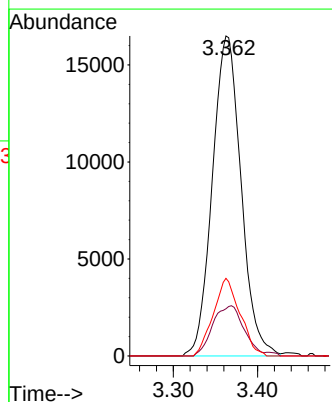
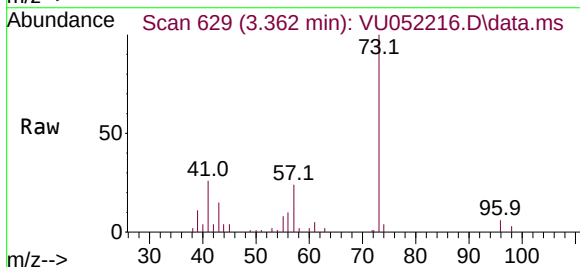
Instrument :
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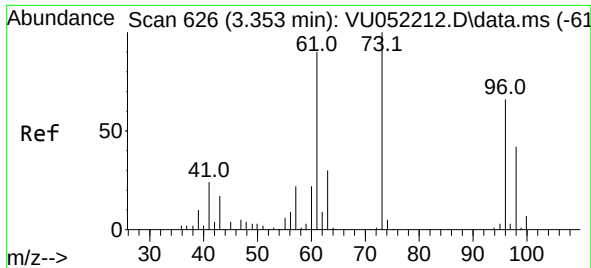
Tgt Ion:101 Resp: 1072
Ion Ratio Lower Upper
101 100
85 0.0 33.8 50.6#
151 0.0 58.6 88.0#



#17
Methyl tert-butyl Ether
Concen: 1.145 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

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

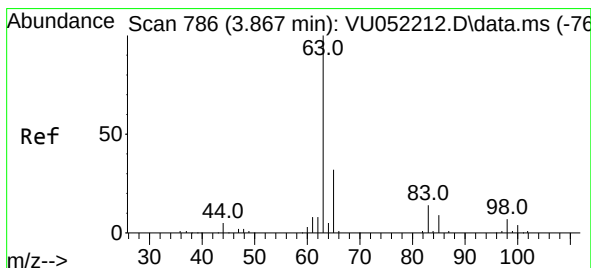
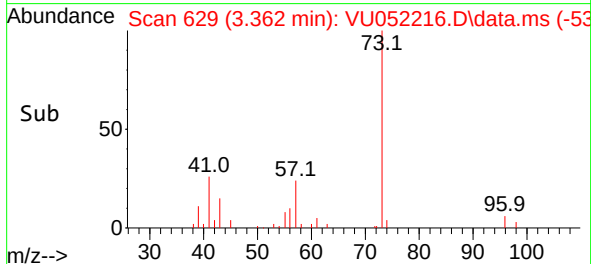
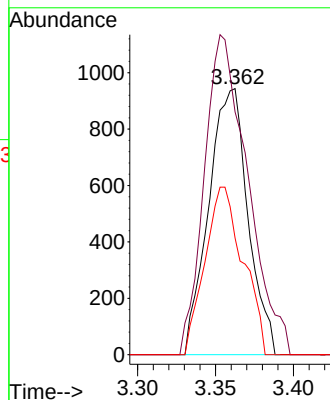
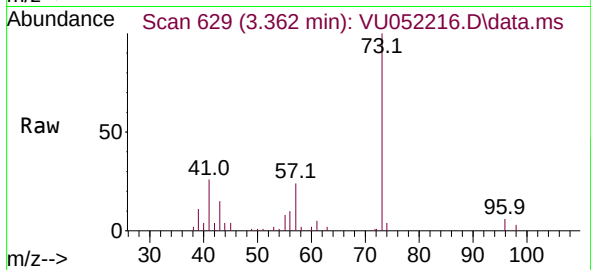




#18
trans-1,2-Dichloroethene
Concen: 0.102 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.010 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

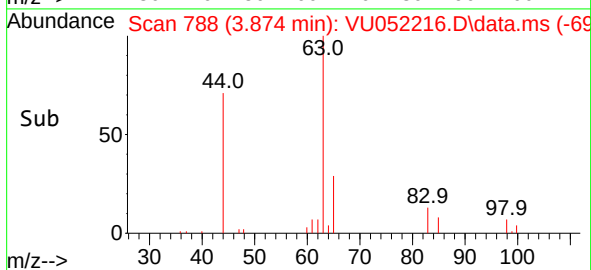
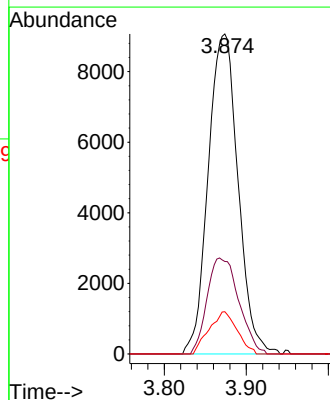
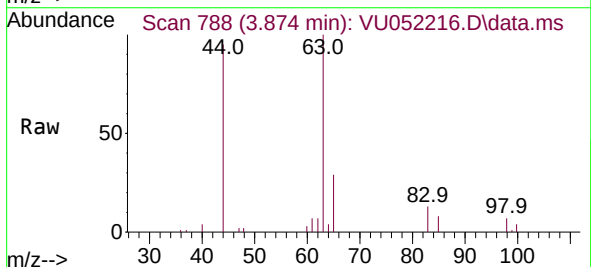
Instrument :
MSVOA_U
ClientSampleId :
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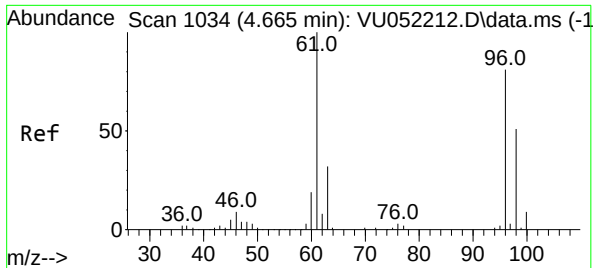
Tgt Ion: 96 Resp: 1657
Ion Ratio Lower Upper
96 100
61 91.2 97.9 181.7#
98 43.9 43.8 81.3



#19
1,1-Dichloroethane
Concen: 0.779 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.006 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

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

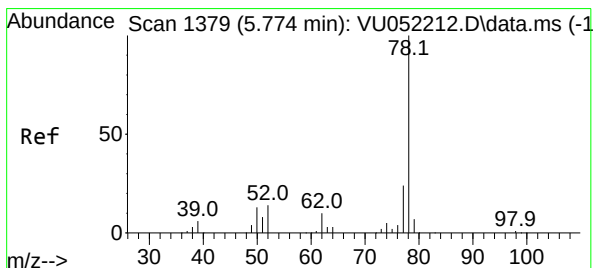
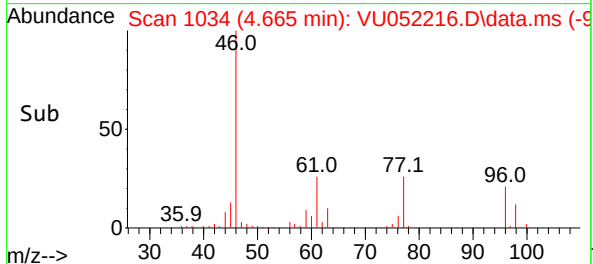
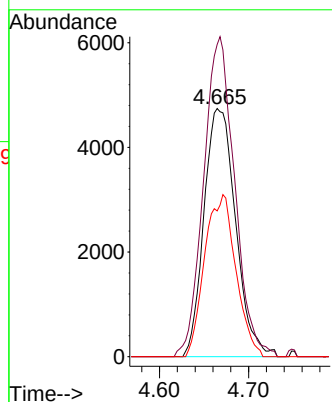
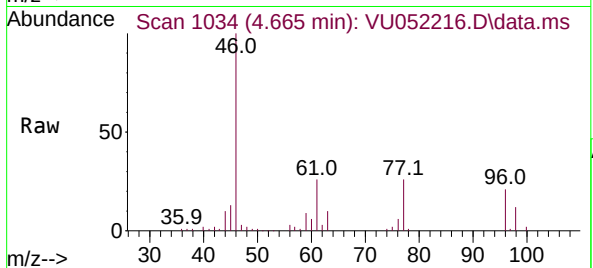




#22
 cis-1,2-Dichloroethene
 Concen: 0.684 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052216.D
 Acq: 07 Dec 2022 23:34

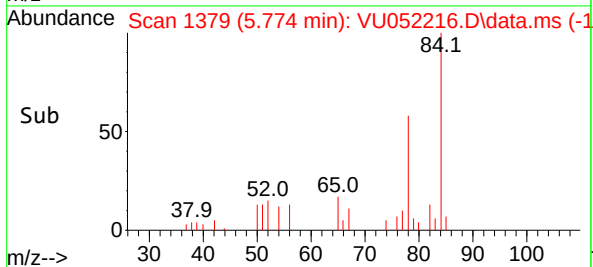
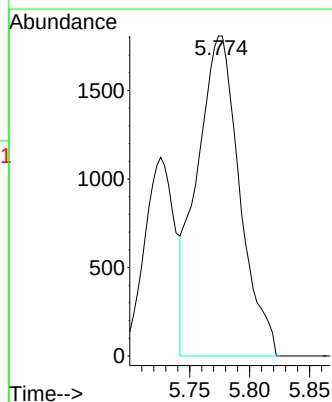
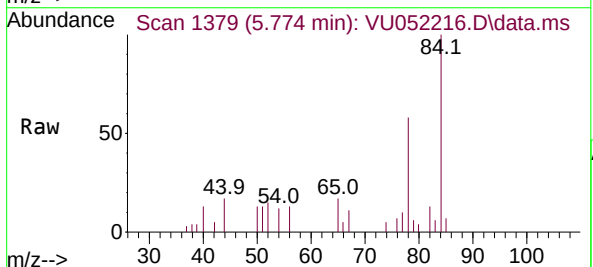
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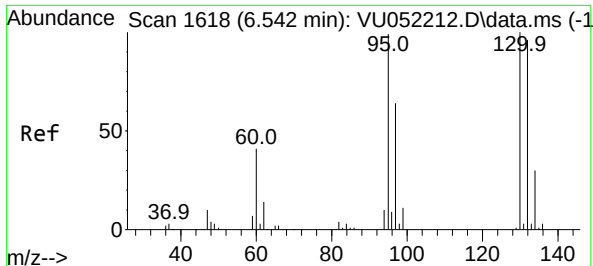
Tgt Ion: 96 Resp: 11710
 Ion Ratio Lower Upper
 96 100
 61 125.8 85.1 158.1
 98 58.8 42.8 79.6



#33
 Benzene
 Concen: 0.063 ug/L
 RT: 5.774 min Scan# 1379
 Delta R.T. -0.000 min
 Lab File: VU052216.D
 Acq: 07 Dec 2022 23:34

Tgt Ion: 78 Resp: 4462

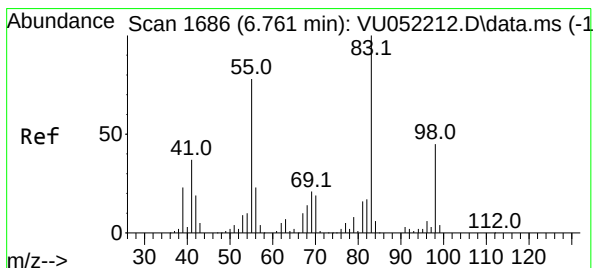
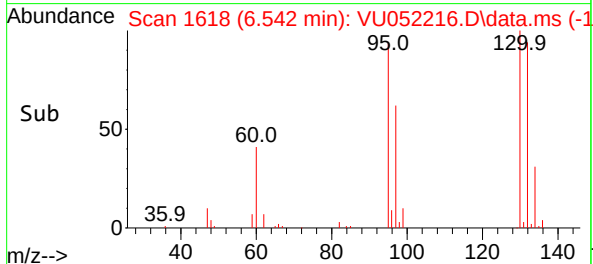
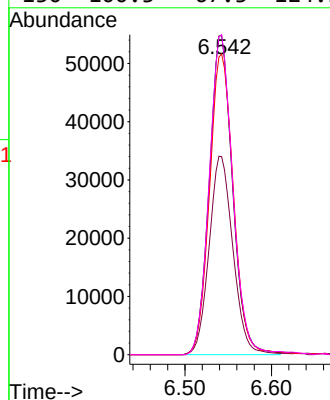
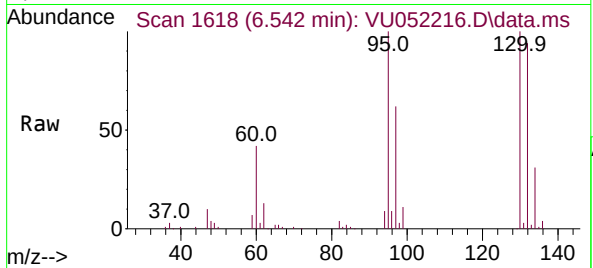




#34
Trichloroethene
Concen: 5.747 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

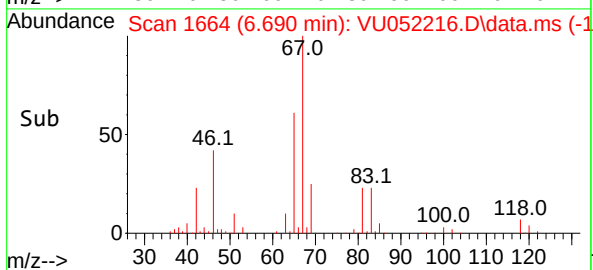
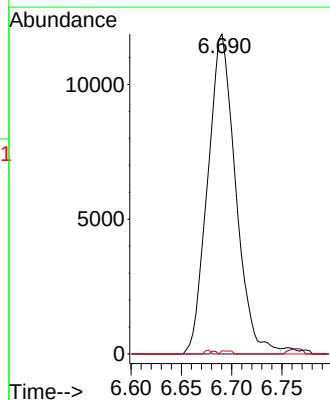
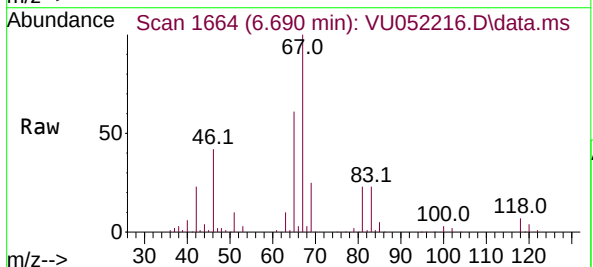
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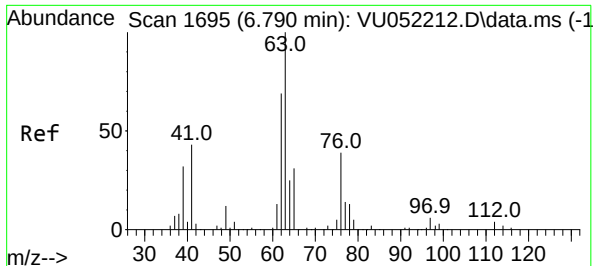
Tgt Ion: 95 Resp: 102140
Ion Ratio Lower Upper
95 100
97 62.1 43.7 81.1
132 94.2 64.3 119.3
130 100.3 67.3 124.9



#35
Methylcyclohexane
Concen: 0.896 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU052216.D
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Tgt Ion: 83 Resp: 22917
Ion Ratio Lower Upper
83 100
55 0.2 60.8 91.2#
98 12.6 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.556 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052216.D

Acq: 07 Dec 2022 23:34

Instrument :

MSVOA_U

ClientSampleId :

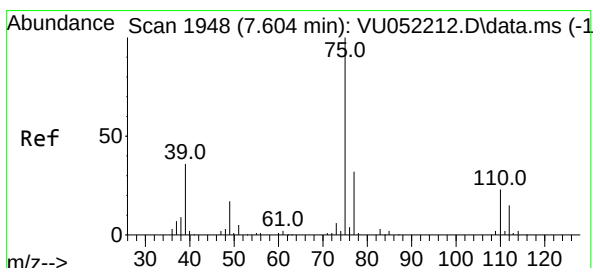
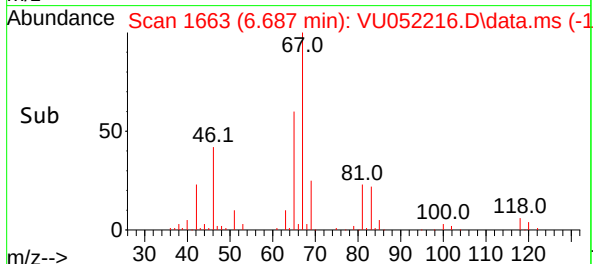
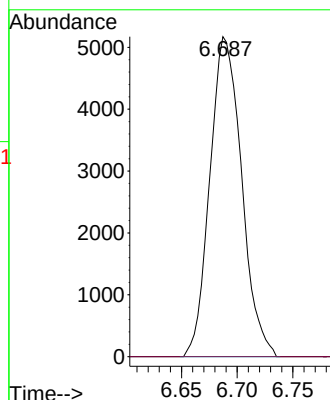
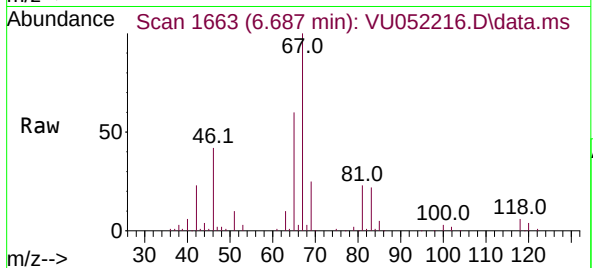
F5N28

Tgt Ion: 63 Resp: 10265

Ion Ratio Lower Upper

63 100

112 0.4 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.035 min

Lab File: VU052216.D

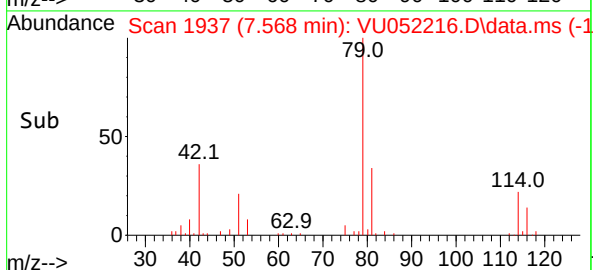
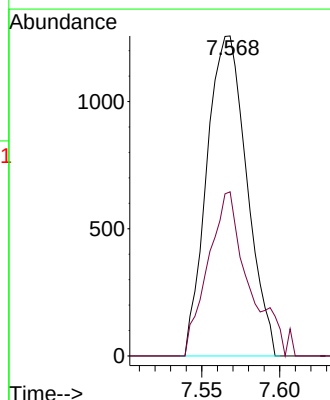
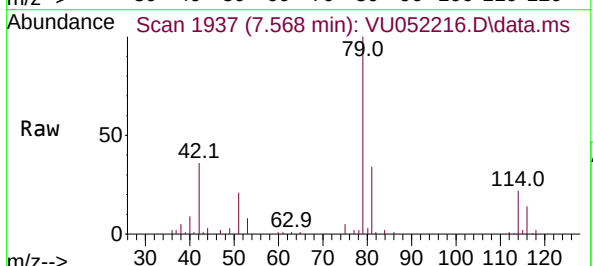
Acq: 07 Dec 2022 23:34

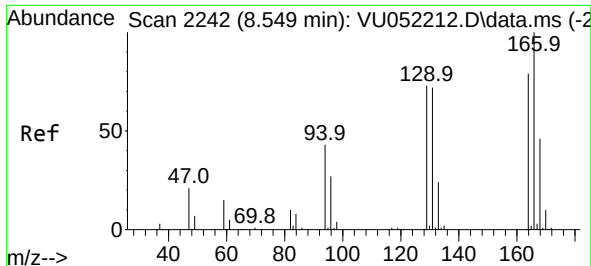
Tgt Ion: 75 Resp: 2239

Ion Ratio Lower Upper

75 100

77 51.3 22.0 40.8#





#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

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:164 Resp: 3569

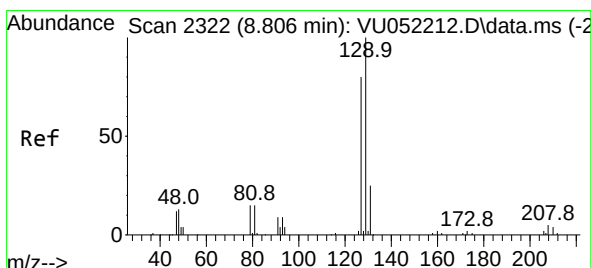
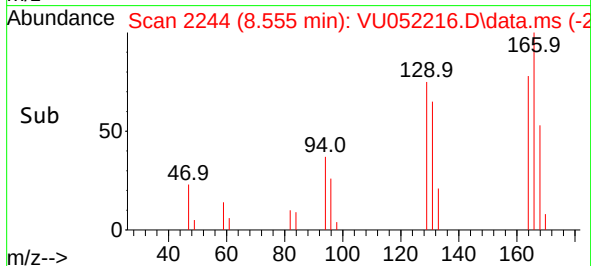
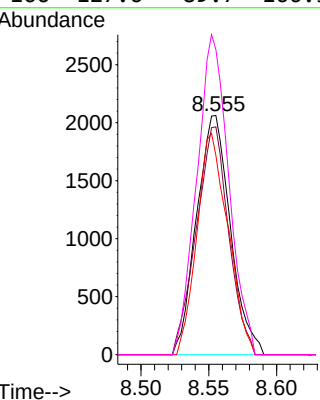
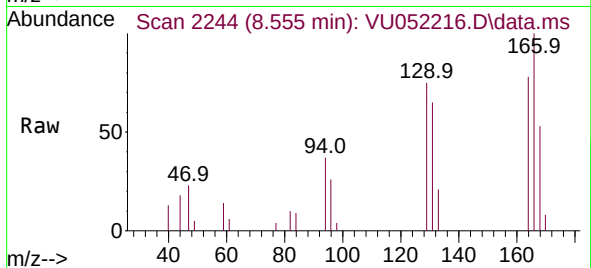
Ion Ratio Lower Upper

164 100

129 95.2 67.4 125.2

131 83.4 67.1 124.7

166 127.6 89.7 166.5



#49

Dibromochloromethane

Concen: 0.210 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.251 min

Lab File: VU052216.D

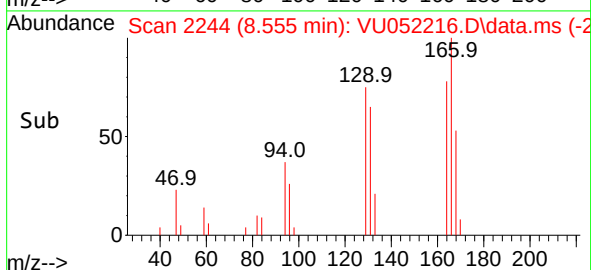
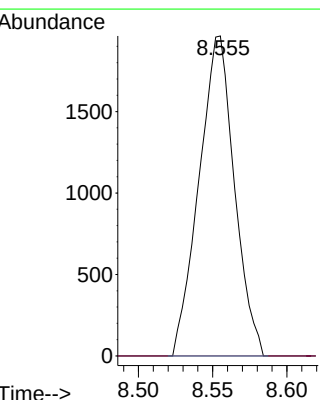
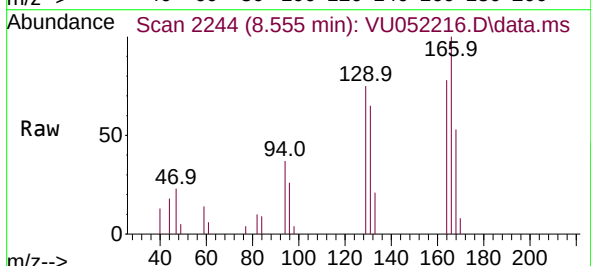
Acq: 07 Dec 2022 23:34

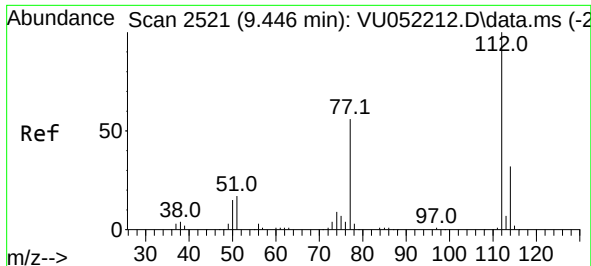
Tgt Ion:129 Resp: 3258

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#

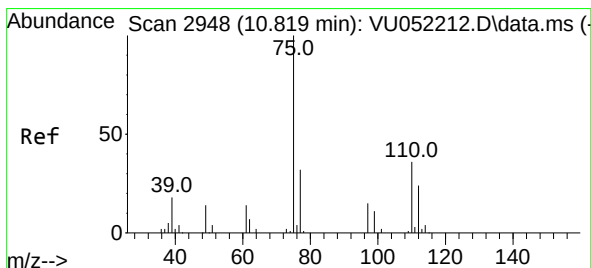
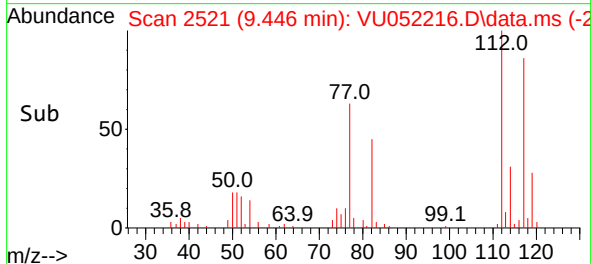
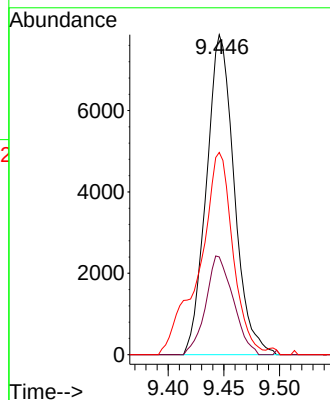
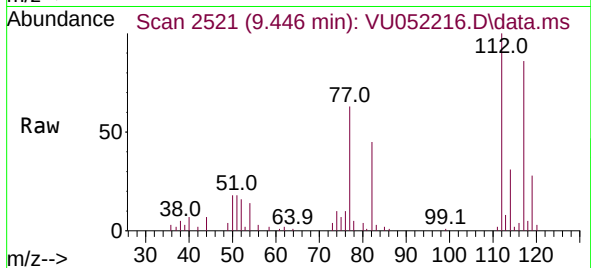




#51
Chlorobenzene
Concen: 0.292 ug/L
RT: 9.446 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

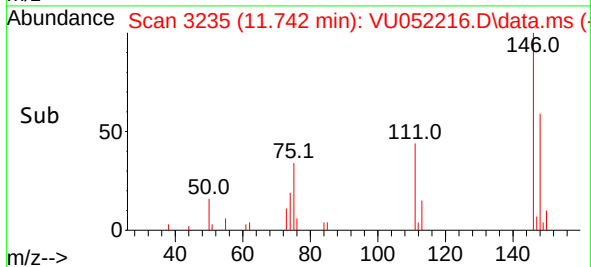
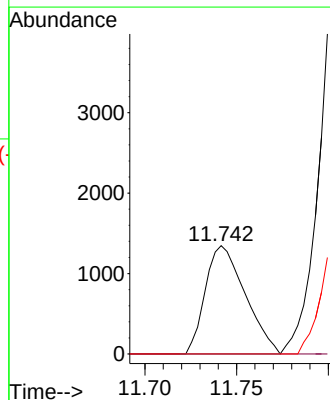
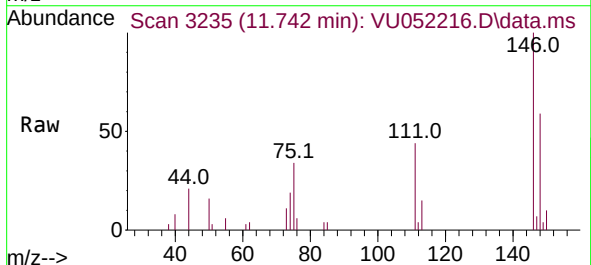
Instrument :
MSVOA_U
ClientSampleId :
F5N28

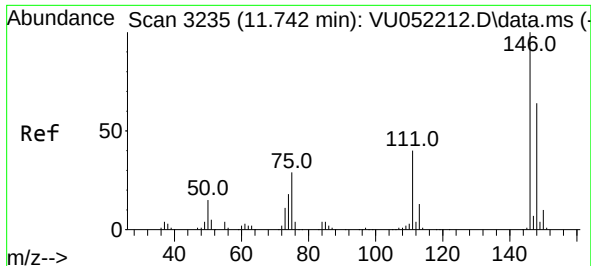
Tgt Ion:112 Resp: 13645
Ion Ratio Lower Upper
112 100
114 30.6 22.2 41.2
77 63.2 46.6 70.0



#61
1,2,3-Trichloropropane
Concen: 0.211 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.923 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

Tgt Ion: 75 Resp: 2033
Ion Ratio Lower Upper
75 100
110 0.0 28.3 42.5#
77 0.0 26.2 39.2#

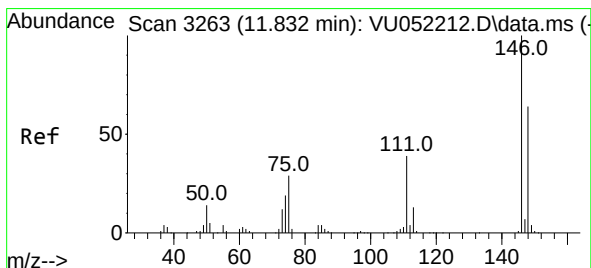
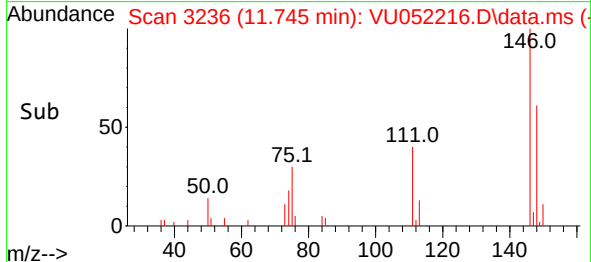
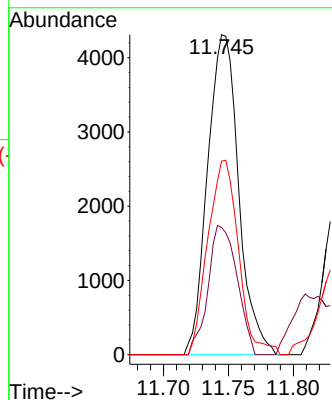
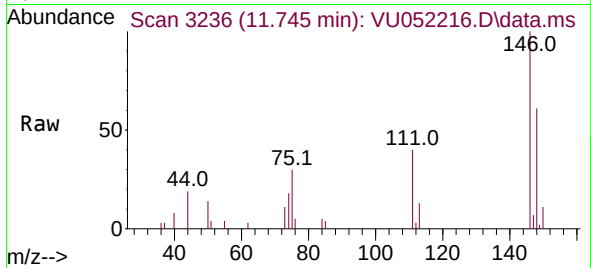




#64
1,3-Dichlorobenzene
Concen: 0.266 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

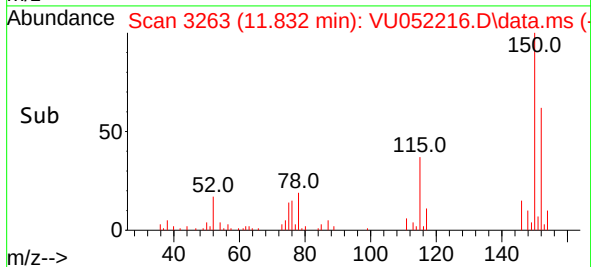
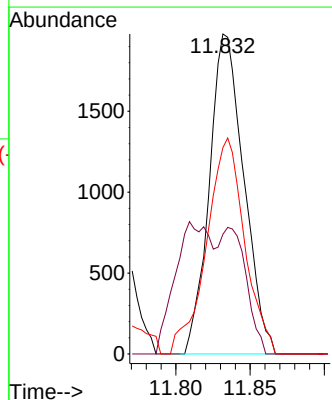
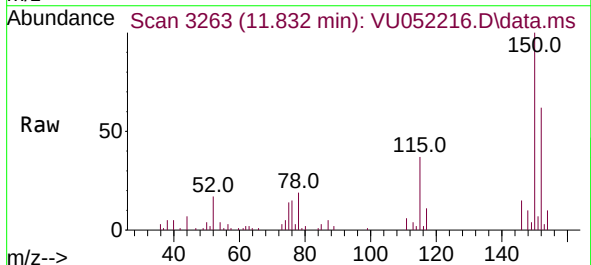
Instrument :
MSVOA_U
ClientSampleId :
F5N28

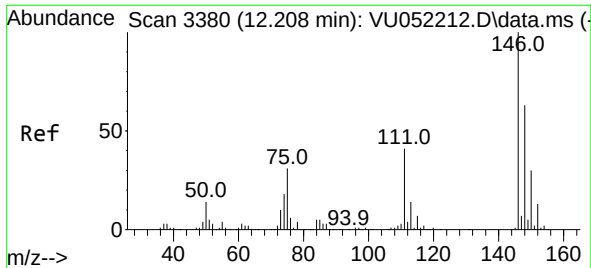
Tgt Ion:146 Resp: 7172
Ion Ratio Lower Upper
146 100
111 39.8 28.6 53.2
148 60.5 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 0.119 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052216.D
Acq: 07 Dec 2022 23:34

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# 31

Delta R.T. -0.000 min

Lab File: VU052216.D

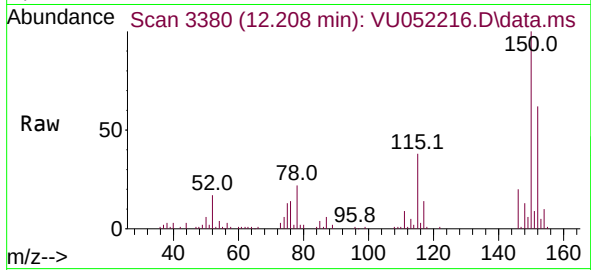
Acq: 07 Dec 2022 23:34

Instrument :

MSVOA_U

ClientSampleId :

F5N28



Tgt Ion:146 Resp: 8405

Ion Ratio Lower Upper

146 100

111 43.1 32.7 49.1

148 66.1 50.6 75.8

