

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052208.D
 Acq On : 07 Dec 2022 19:54
 Operator : JC/MD
 Sample : N5916-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5N22

Quant Time: Dec 08 02:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	210229	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	212317	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	82974	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	85770	4.194	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.916	69	77987	4.910	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.568	65	33404	4.557	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	4.629	46	225120	60.734	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.460%
24) Chloroform-d	5.060	84	157882	5.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
26) 1,2-Dichloroethane-d4	5.700	65	81317	5.358	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	5.726	84	313461	4.973	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.687	67	106834	5.477	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.600%
41) Toluene-d8	7.896	98	240333	4.214	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.176	79	32518	4.574	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.632	63	155366	51.573	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.140%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	93526	5.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	86601	5.451	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						Qvalue
3) Chloromethane	1.523	50	3953	0.166	ug/L	83
5) Vinyl chloride	1.604	62	20366	0.891	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	69151	4.497	ug/L	98
12) 1,1-Dichloroethene	2.581	96	8582	0.563	ug/L #	1
17) Methyl tert-butyl Ether	3.363	73	8771	0.257	ug/L #	92
18) trans-1,2-Dichloroethene	3.356	96	7453	0.456	ug/L	98
19) 1,1-Dichloroethane	3.871	63	17772	0.603	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	242224	14.118	ug/L	98
27) 1,2-Dichloroethane	5.797	62	18046	0.987	ug/L	99
33) Benzene	5.774	78	9330	0.135	ug/L	100
34) Trichloroethene	6.539	95	246560	14.306	ug/L	95
35) Methylcyclohexane	6.690	83	23262	0.938	ug/L #	20
37) 1,2-Dichloropropane	6.793	63	7906	0.442	ug/L #	96
39) cis-1,3-Dichloropropene	7.565	75	2091	0.091	ug/L #	43
47) Tetrachloroethene	8.552	164	10769	0.815	ug/L	97
49) Dibromochloromethane	8.552	129	10425	0.692	ug/L #	12
51) Chlorobenzene	9.446	112	58145	1.283	ug/L	99
61) 1,2,3-Trichloropropane	11.742	75	2609	0.275	ug/L #	49
64) 1,3-Dichlorobenzene	11.745	146	7777	0.292	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 01:59:42 2022
Response via : Initial Calibration

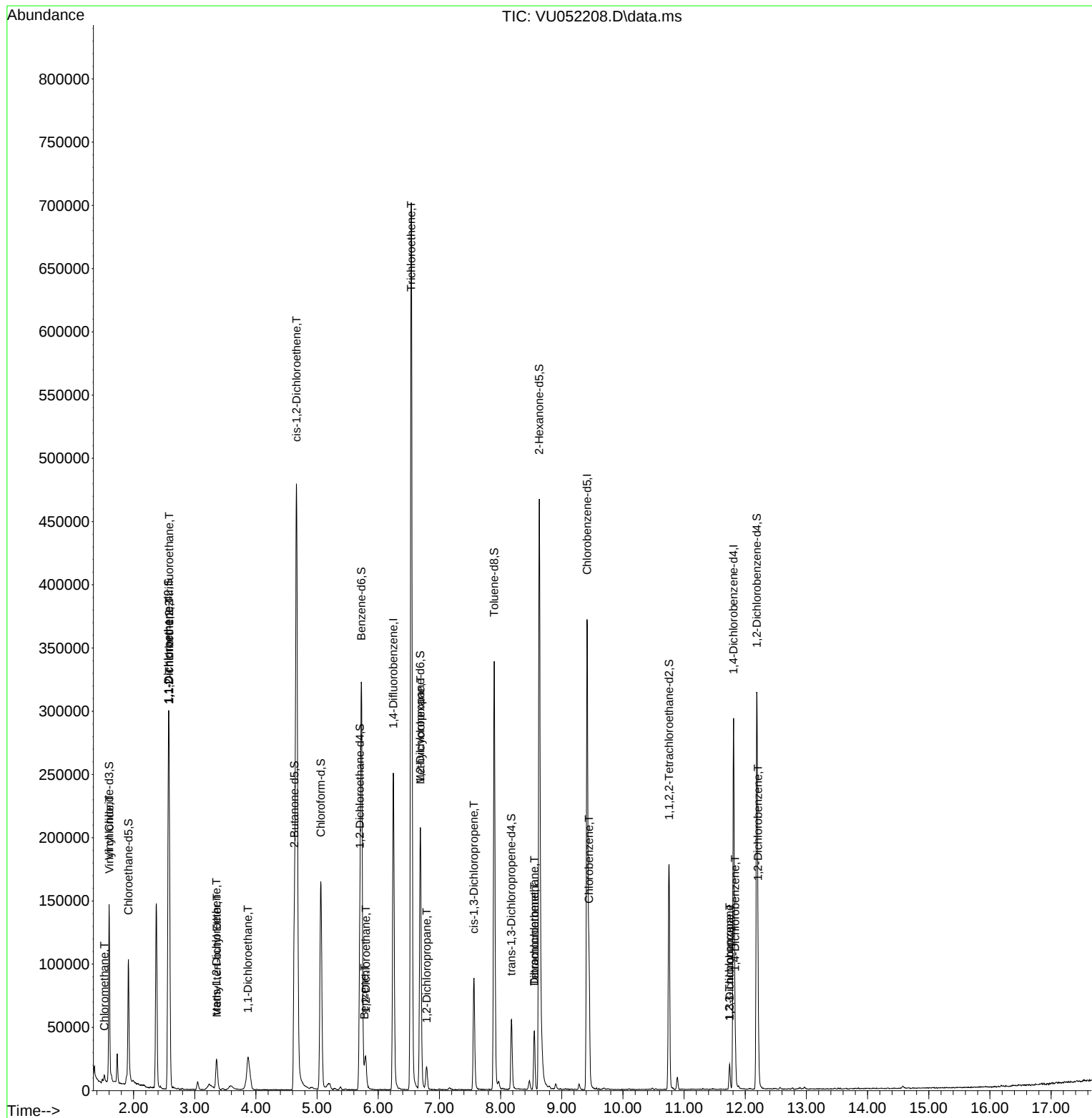
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.835	146	16083	0.606	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	22527	0.879	ug/L	94

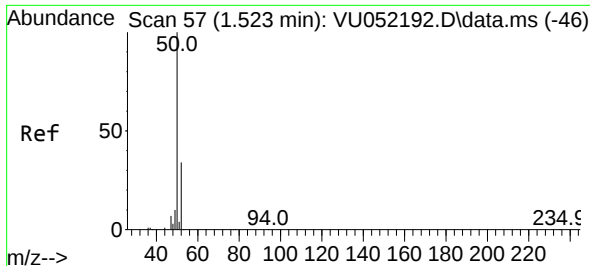
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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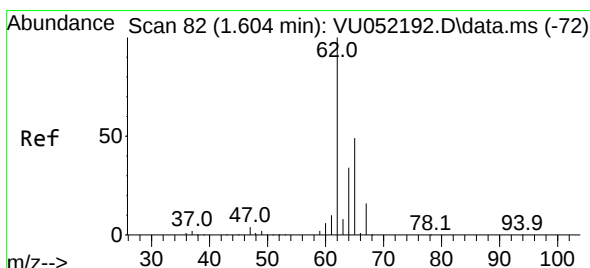
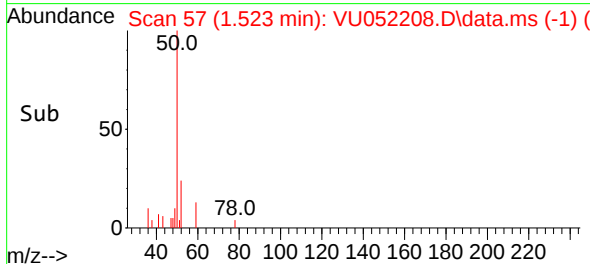
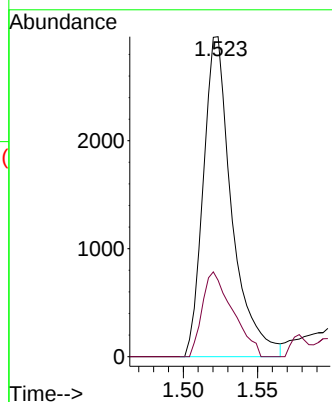
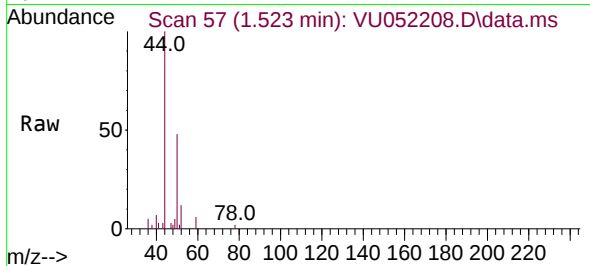




#3
Chloromethane
Concen: 0.166 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

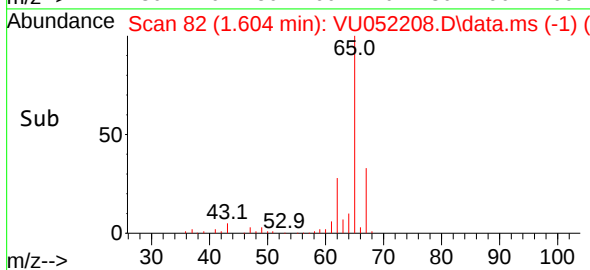
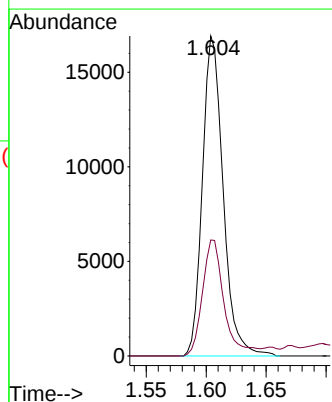
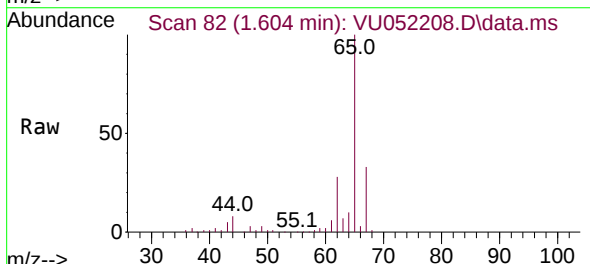
Instrument :
MSVOA_U
ClientSampleId :
F5N22

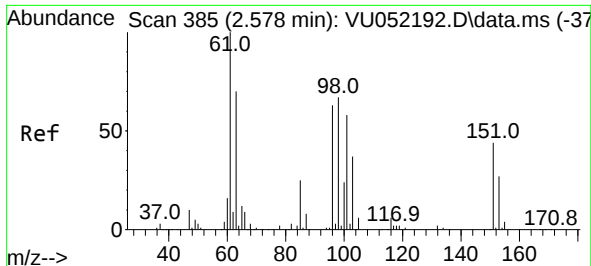
Tgt Ion: 50 Resp: 3953
Ion Ratio Lower Upper
50 100
52 23.9 23.4 43.4



#5
Vinyl chloride
Concen: 0.891 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

Tgt Ion: 62 Resp: 20366
Ion Ratio Lower Upper
62 100
64 36.3 23.5 43.7

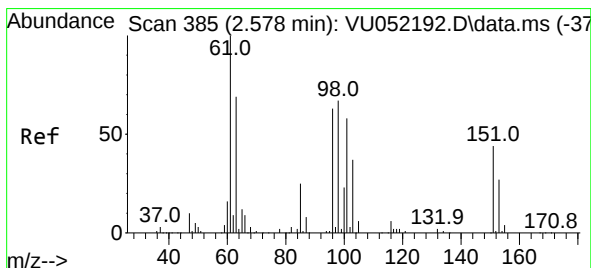
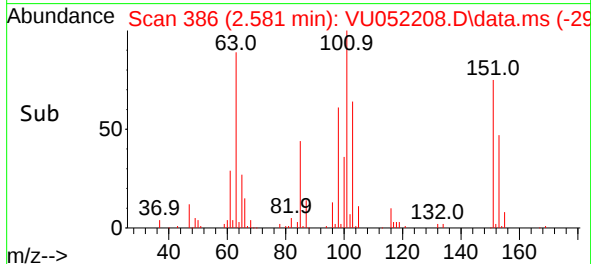
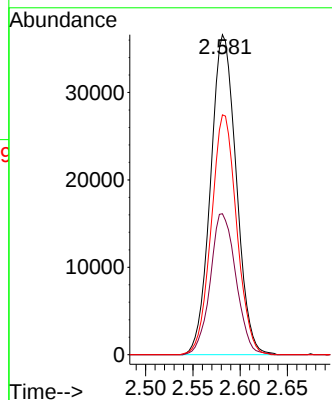
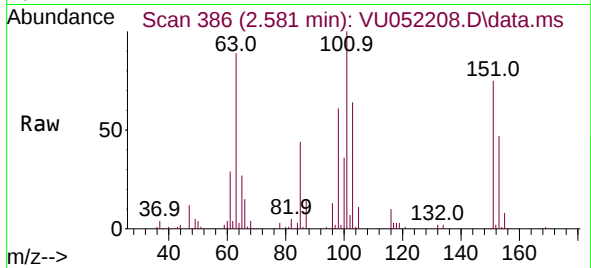




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.497 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052208.D
 Acq: 07 Dec 2022 19:54

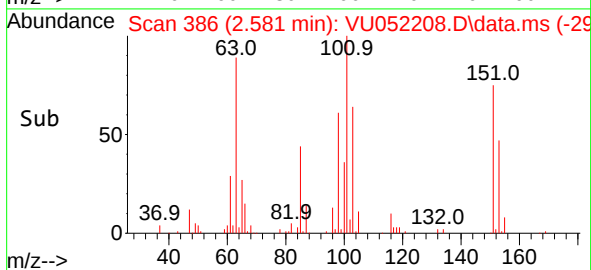
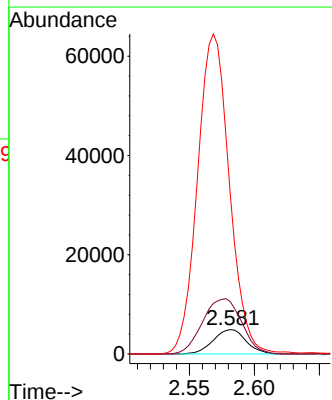
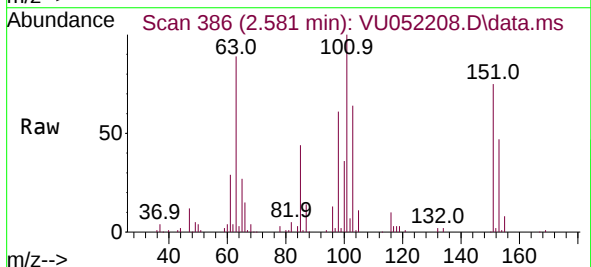
Instrument :
 MSVOA_U
 ClientSampleId :
 F5N22

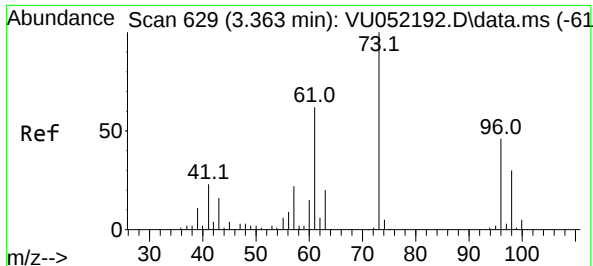
Tgt Ion:101 Resp: 69151
 Ion Ratio Lower Upper
 101 100
 85 44.0 33.8 50.6
 151 74.2 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 0.563 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052208.D
 Acq: 07 Dec 2022 19:54

Tgt Ion: 96 Resp: 8582
 Ion Ratio Lower Upper
 96 100
 61 215.7 114.8 213.2#
 63 664.5 93.7 174.1#

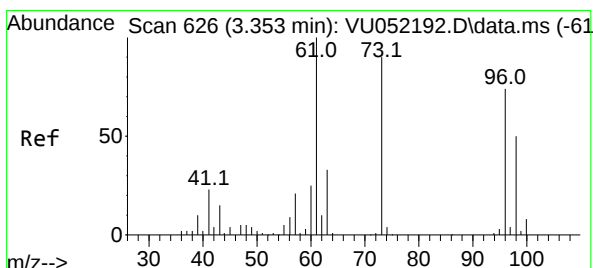
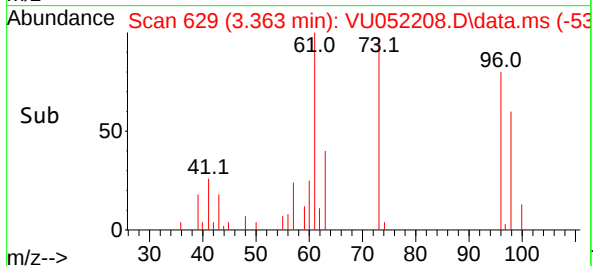
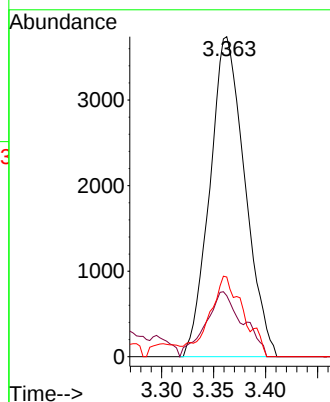
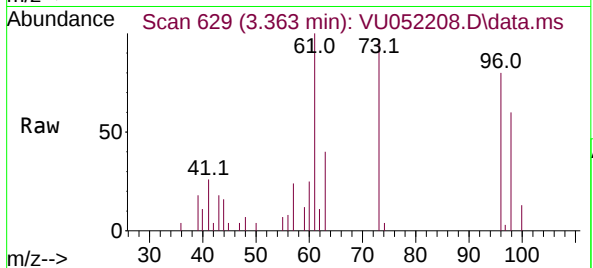




#17
Methyl tert-butyl Ether
Concen: 0.257 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

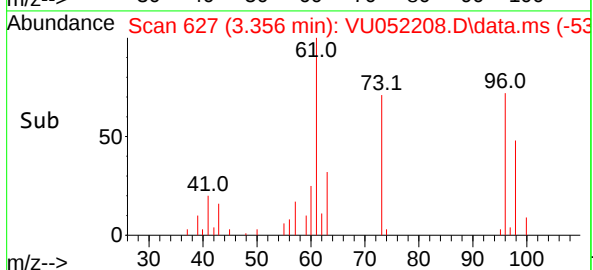
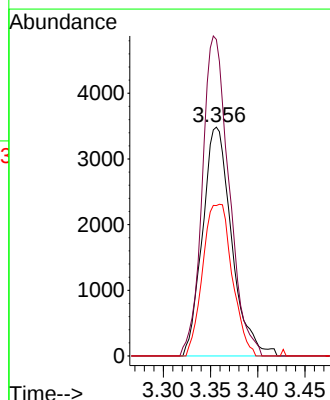
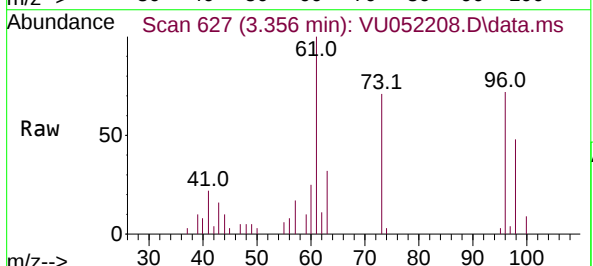
Instrument :
MSVOA_U
ClientSampleId :
F5N22

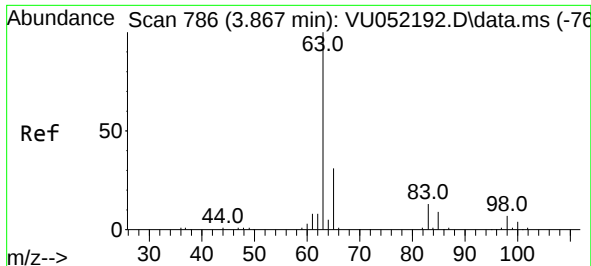
Tgt Ion: 73	Resp: 8771
Ion Ratio	Lower Upper
73 100	
43 21.4	13.2 19.8#
57 24.5	17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.456 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

Tgt Ion: 96	Resp: 7453
Ion Ratio	Lower Upper
96 100	
61 138.3	97.9 181.7
98 65.8	43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.603 ug/L

RT: 3.871 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052208.D

Acq: 07 Dec 2022 19:54

Instrument :

MSVOA_U

ClientSampleId :

F5N22

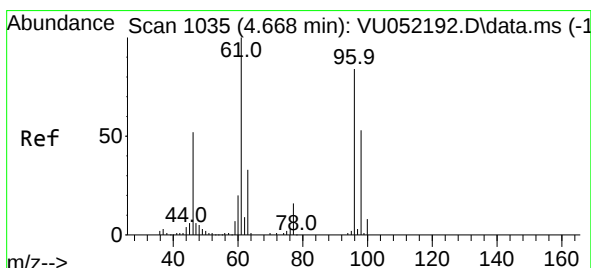
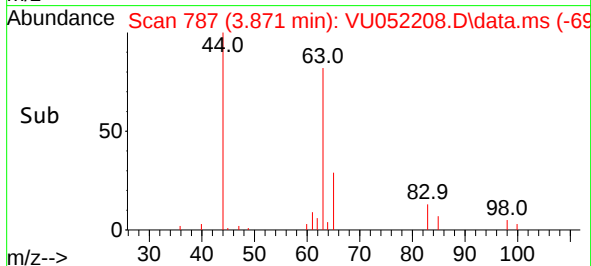
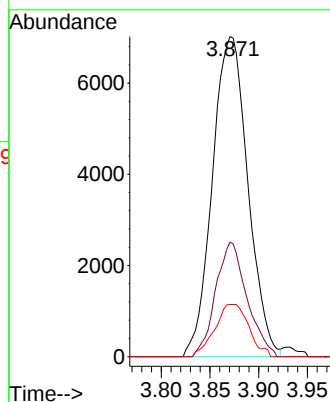
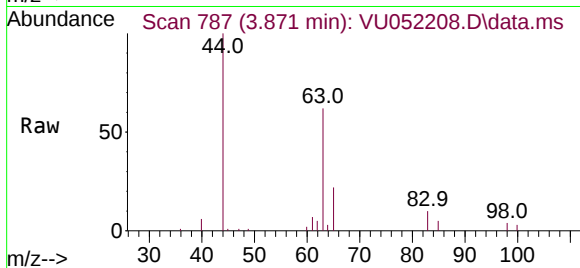
Tgt Ion: 63 Resp: 17772

Ion Ratio Lower Upper

63 100

65 35.8 22.2 41.2

83 16.3 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 14.118 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU052208.D

Acq: 07 Dec 2022 19:54

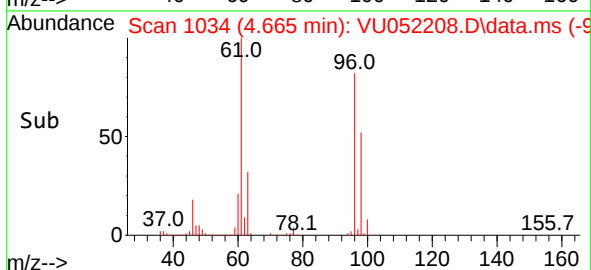
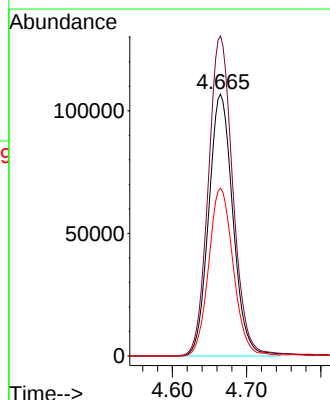
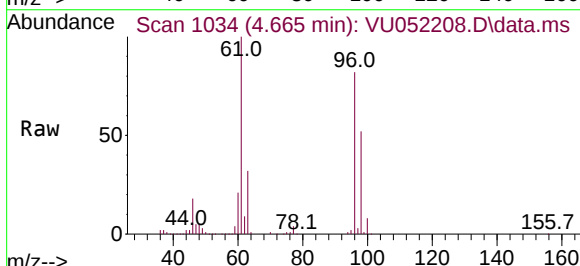
Tgt Ion: 96 Resp: 242224

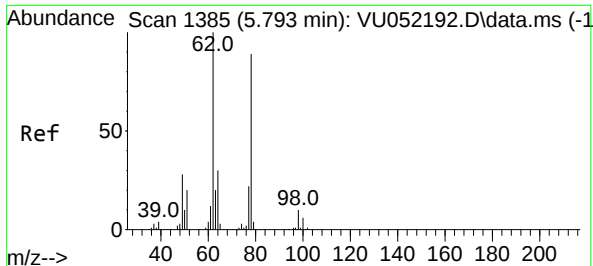
Ion Ratio Lower Upper

96 100

61 122.2 85.1 158.1

98 64.1 42.8 79.6

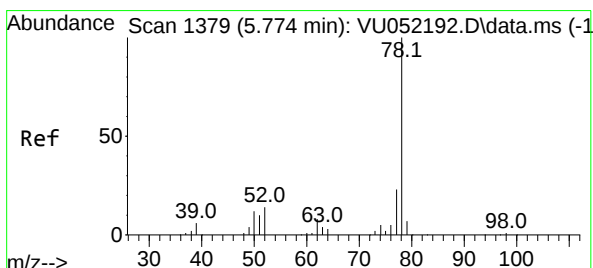
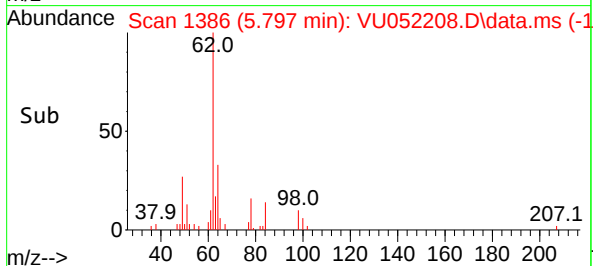
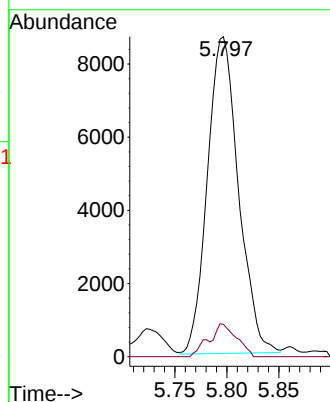
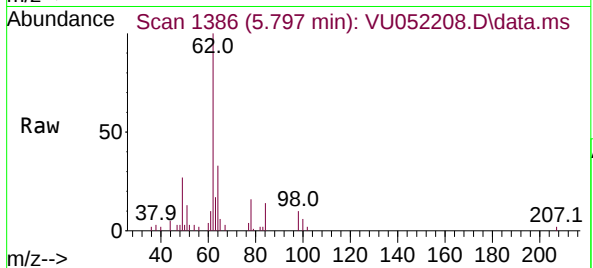




#27
1,2-Dichloroethane
Concen: 0.987 ug/L
RT: 5.797 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

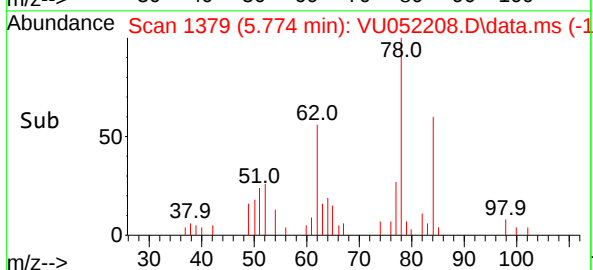
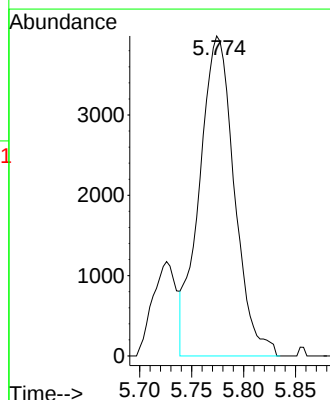
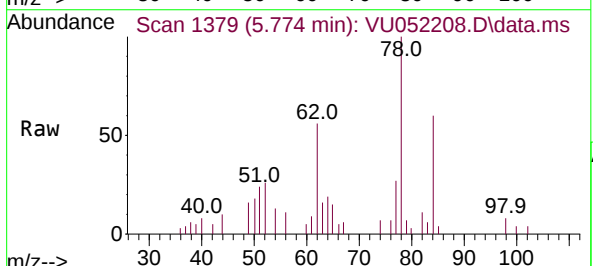
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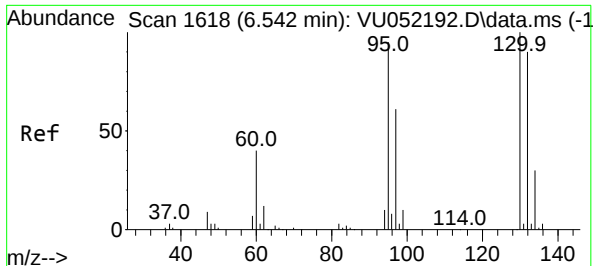
Tgt Ion: 62 Resp: 18046
Ion Ratio Lower Upper
62 100
98 10.1 8.4 12.6



#33
Benzene
Concen: 0.135 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

Tgt Ion: 78 Resp: 9330

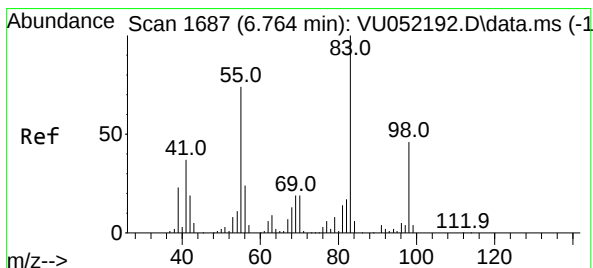
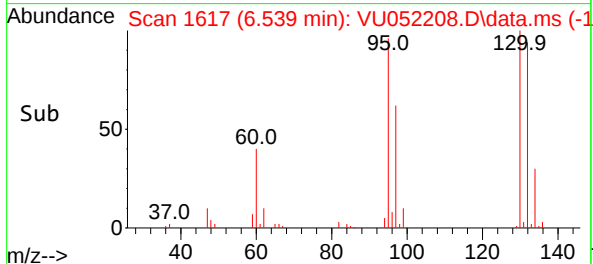
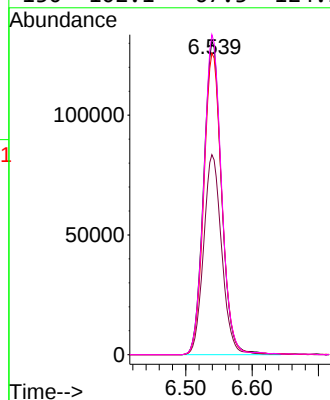
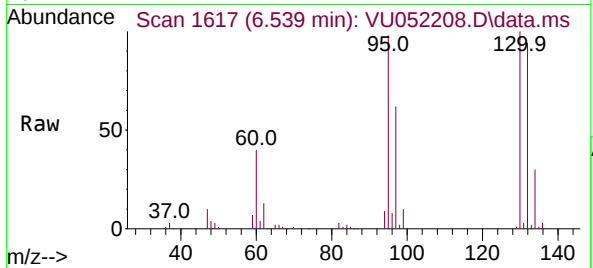




#34
Trichloroethene
Concen: 14.306 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

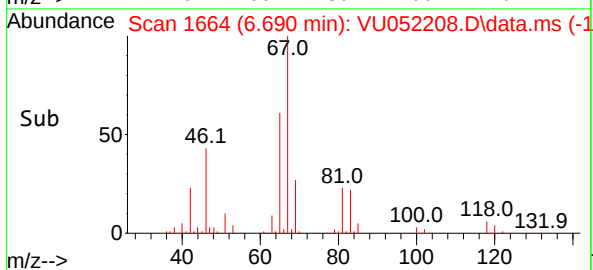
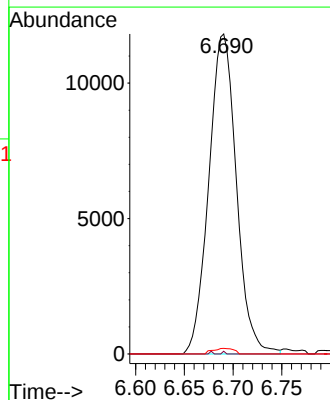
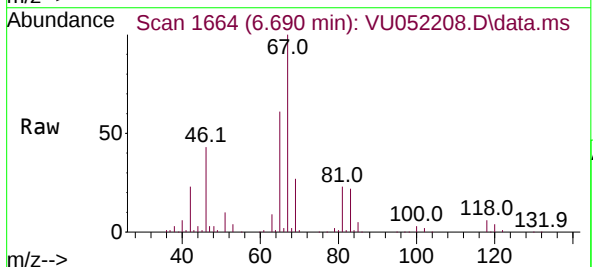
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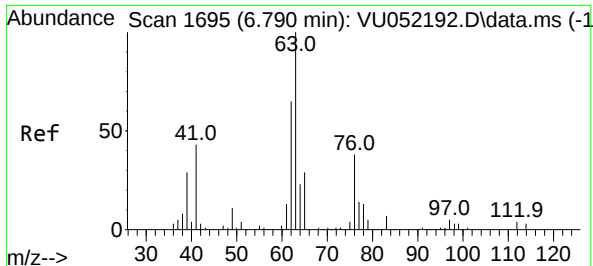
Tgt Ion: 95 Resp: 246560
Ion Ratio Lower Upper
95 100
97 63.8 43.7 81.1
132 96.2 64.3 119.3
130 102.1 67.3 124.9



#35
Methylcyclohexane
Concen: 0.938 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

Tgt Ion: 83 Resp: 23262
Ion Ratio Lower Upper
83 100
55 0.1 60.8 91.2#
98 1.3 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.442 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052208.D

Acq: 07 Dec 2022 19:54

Instrument :

MSVOA_U

ClientSampleId :

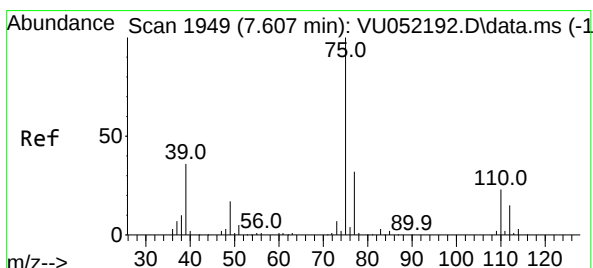
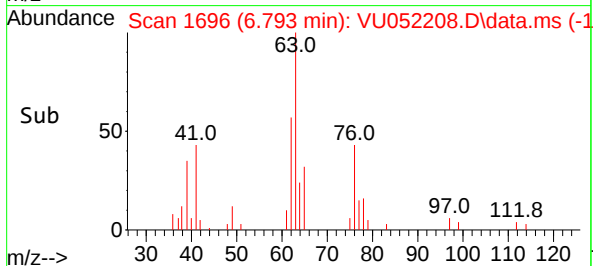
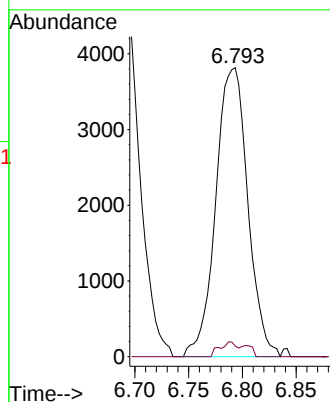
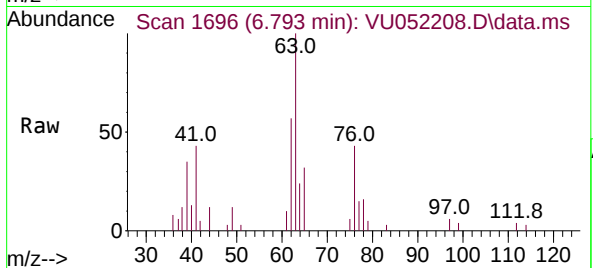
F5N22

Tgt Ion: 63 Resp: 7906

Ion Ratio Lower Upper

63 100

112 2.7 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU052208.D

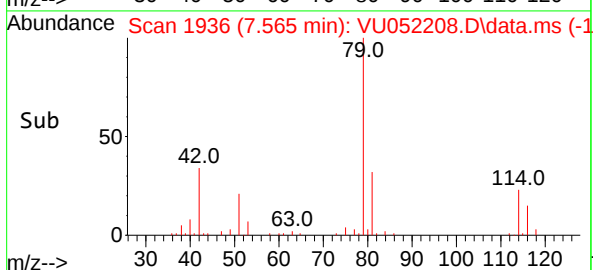
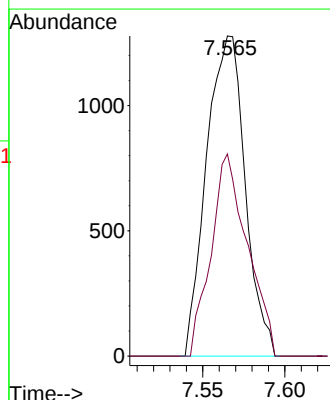
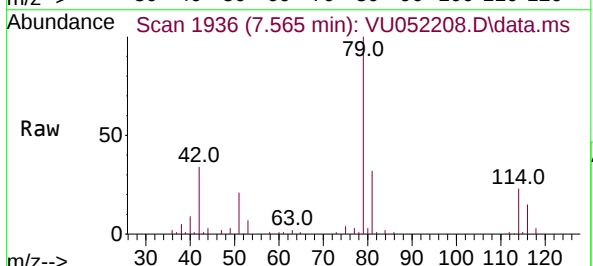
Acq: 07 Dec 2022 19:54

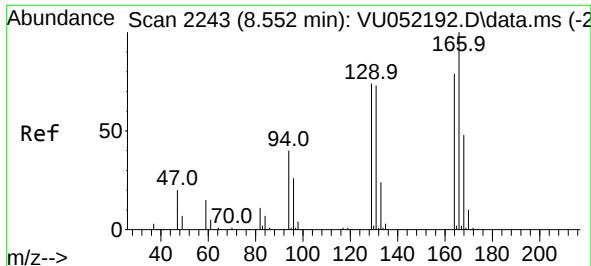
Tgt Ion: 75 Resp: 2091

Ion Ratio Lower Upper

75 100

77 63.1 22.0 40.8#

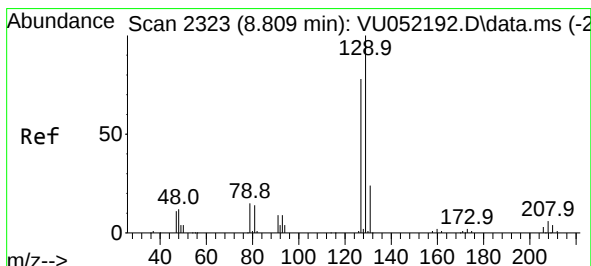
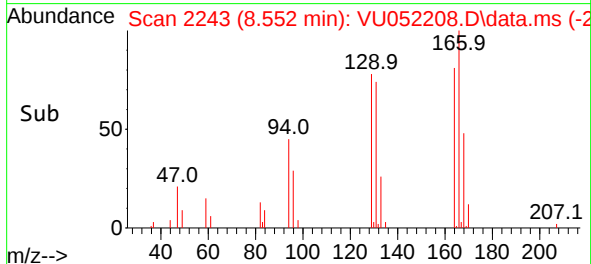
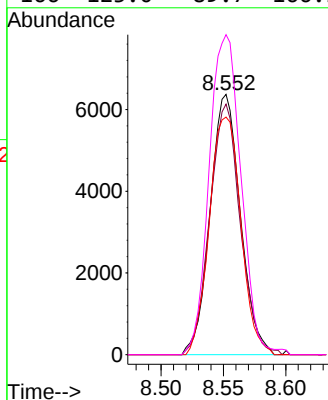
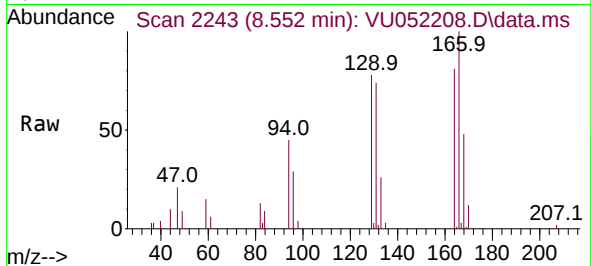




#47
Tetrachloroethene
Concen: 0.815 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

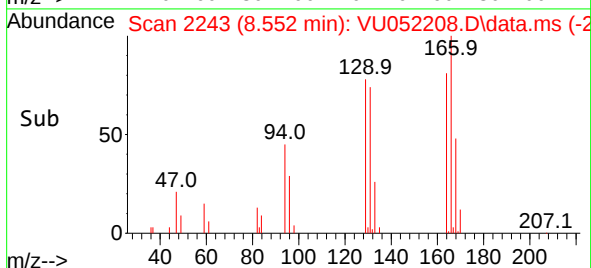
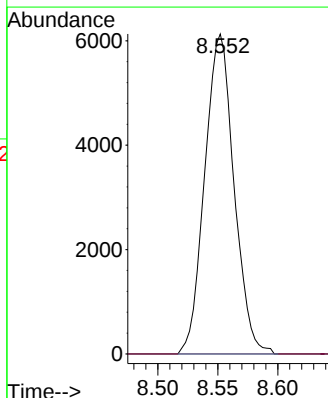
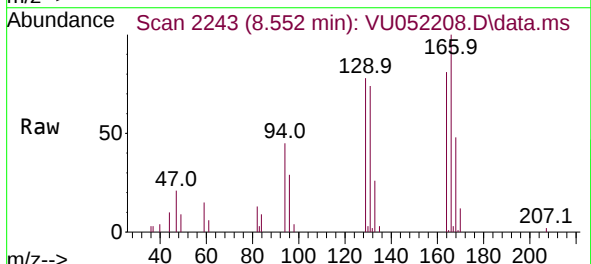
Instrument :
MSVOA_U
ClientSampleId :
F5N22

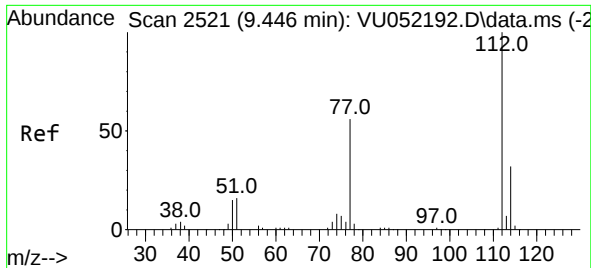
Tgt Ion:	164	Resp:	10769
Ion	Ratio	Lower	Upper
164	100		
129	96.2	67.4	125.2
131	91.3	67.1	124.7
166	123.0	89.7	166.5



#49
Dibromochloromethane
Concen: 0.692 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

Tgt Ion:	129	Resp:	10425
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.8	98.2#

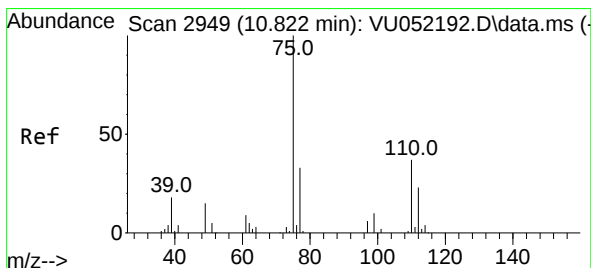
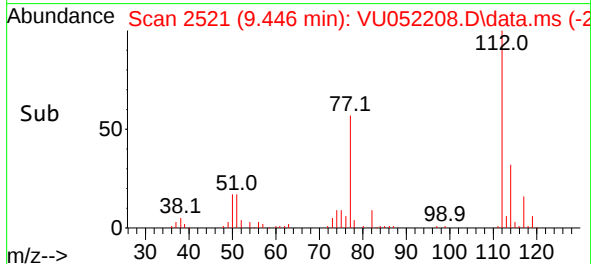
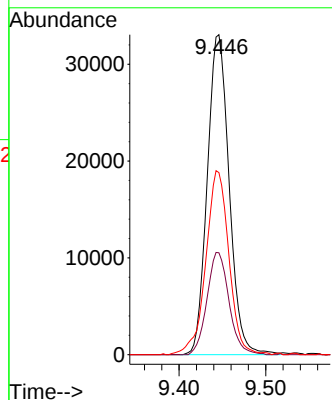
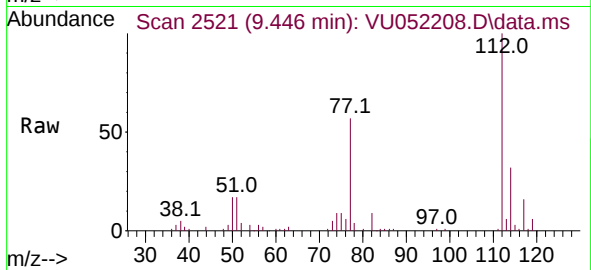




#51
Chlorobenzene
Concen: 1.283 ug/L
RT: 9.446 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

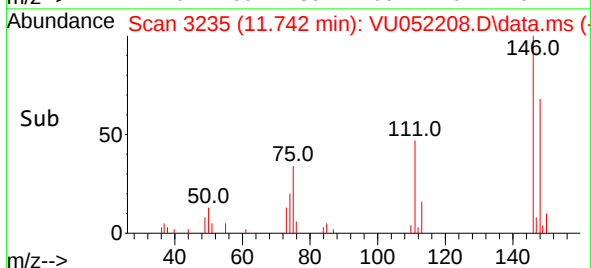
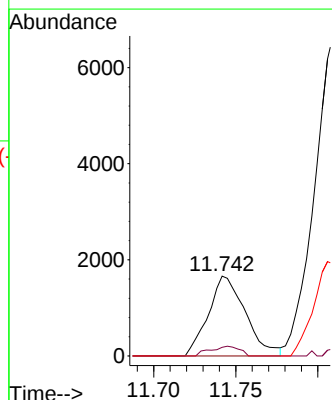
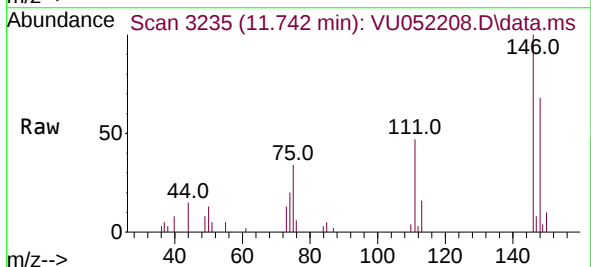
Instrument :
MSVOA_U
ClientSampleId :
F5N22

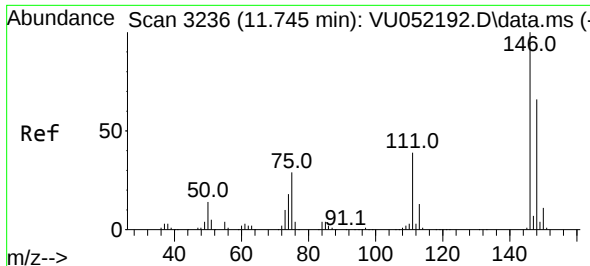
Tgt Ion:112 Resp: 58145
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 56.9 46.6 70.0



#61
1,2,3-Trichloropropane
Concen: 0.275 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.920 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

Tgt Ion: 75 Resp: 2609
Ion Ratio Lower Upper
75 100
110 9.6 28.3 42.5#
77 0.0 26.2 39.2#

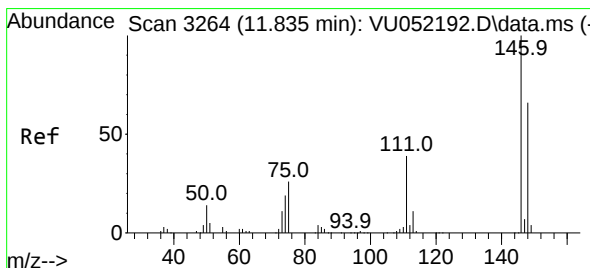
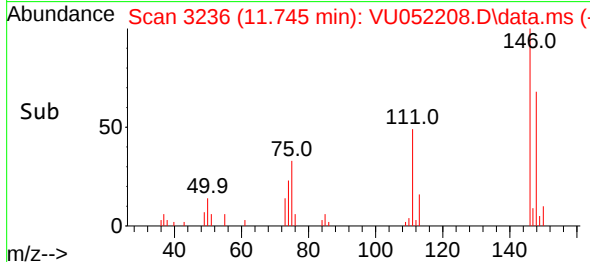
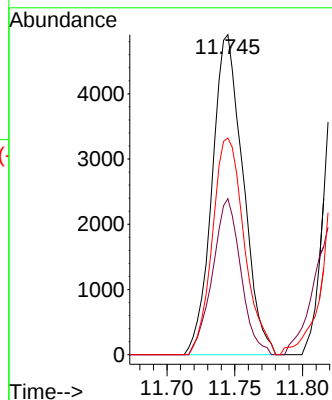
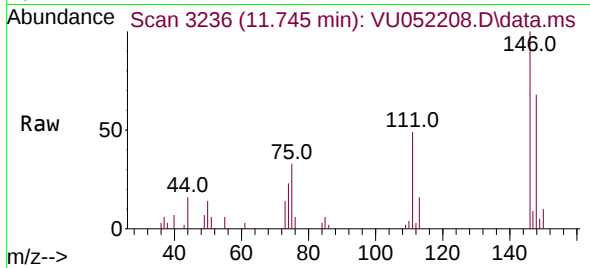




#64
1,3-Dichlorobenzene
Concen: 0.292 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

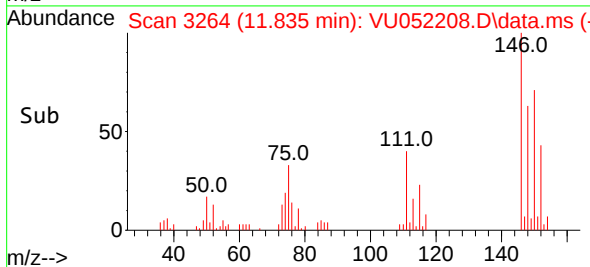
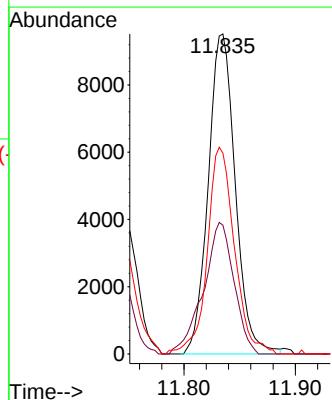
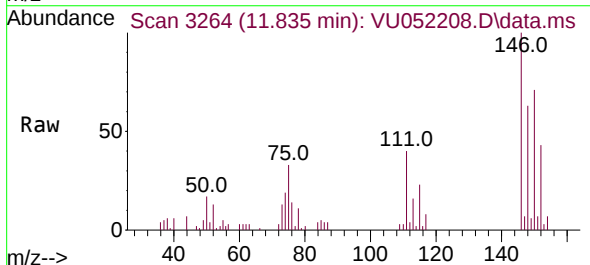
Instrument :
MSVOA_U
ClientSampleId :
F5N22

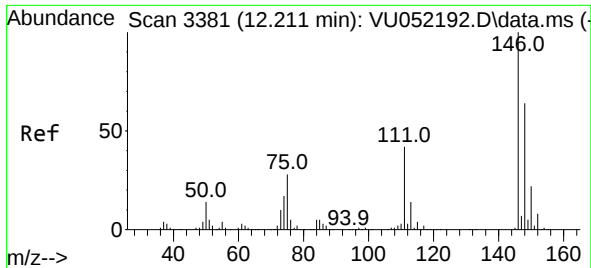
Tgt Ion:146 Resp: 7777
Ion Ratio Lower Upper
146 100
111 48.8 28.6 53.2
148 67.7 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 0.606 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU052208.D
Acq: 07 Dec 2022 19:54

Tgt Ion:146 Resp: 16083
Ion Ratio Lower Upper
146 100
111 40.3 26.9 50.1
148 62.7 45.1 83.7





#67
 1,2-Dichlorobenzene
 Concen: 0.879 ug/L
 RT: 12.208 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU052208.D
 Acq: 07 Dec 2022 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 F5N22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	32.7	49.1
148	66.9	50.6	75.8

