

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
 Data File : VU051272.D
 Acq On : 08 Oct 2022 15:16
 Operator : JC/MD
 Sample : N4922-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CB8T8

Quant Time: Oct 08 23:50:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 08 05:40:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	102153	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	109778	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	47356	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	40194	4.878	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.909	69	36114	5.101	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.000%
11) 1,1-Dichloroethene-d2	2.565	65	15057	4.623	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.620	46	169362	93.354	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	186.700%#
24) Chloroform-d	5.060	84	77493	5.044	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.700	65	51119	6.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.000%
32) Benzene-d6	5.726	84	139452	4.618	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.691	67	52470	5.116	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.400%
41) Toluene-d8	7.896	98	107555	3.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	8.179	79	15804	4.690	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.629	63	86498	76.165	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	152.340%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	63550	7.757	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	155.200%#
66) 1,2-Dichlorobenzene-d4	12.192	152	45421	5.518	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.392	85	708	0.085	ug/L #	79
3) Chloromethane	1.524	50	2533	0.216	ug/L	94
5) Vinyl chloride	1.604	62	2452	0.214	ug/L #	63
8) Chloroethane	1.932	64	1189	0.162	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	508	0.064	ug/L #	21
13) Acetone	2.623	43	26627	19.569	ug/L	100
15) Methyl Acetate	3.080	43	955	0.289	ug/L #	50
17) Methyl tert-butyl Ether	3.363	73	18352	1.075	ug/L #	87
19) 1,1-Dichloroethane	3.871	63	1714	0.106	ug/L #	82
21) 2-Butanone	4.710	43	3600	1.679	ug/L	95
22) cis-1,2-Dichloroethene	4.671	96	1080	0.124	ug/L #	83
30) Cyclohexane	5.385	56	3474	0.311	ug/L	90
33) Benzene	5.774	78	9415	0.257	ug/L	100
35) Methylcyclohexane	6.761	83	3433	0.298	ug/L	85
37) 1,2-Dichloropropane	6.691	63	5026	0.500	ug/L #	89
42) Toluene	7.970	91	10871	0.279	ug/L	94
45) 1,1,2-Trichloroethane	8.369	97	1641	0.233	ug/L #	13
48) 2-Hexanone	8.678	43	18172	4.631	ug/L #	87
49) Dibromochloromethane	8.559	129	674	0.085	ug/L #	11

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 ALS Vial : 63 Sample Multiplier: 1

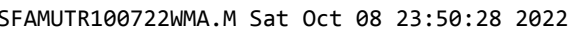
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 ClientSampleId :
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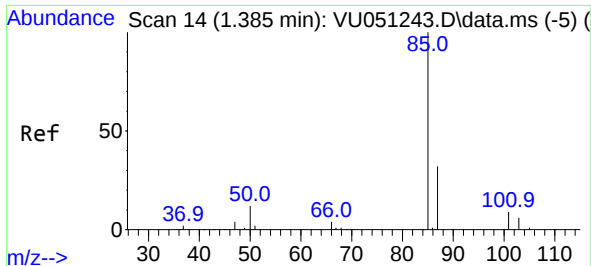
Quant Time: Oct 08 23:50:24 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 08 05:40:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.446	112	531154	22.852	ug/L	99
53) m,p-Xylene	9.694	106	3634	0.268	ug/L	78
54) o-Xylene	10.102	106	1393	0.109	ug/L	98
61) 1,2,3-Trichloropropane	11.748	75	2459	0.411	ug/L #	52
64) 1,3-Dichlorobenzene	11.748	146	6708	0.452	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	8651	0.592	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	3711	0.257	ug/L	95
71) Naphthalene	14.092	128	2891	0.214	ug/L #	75

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

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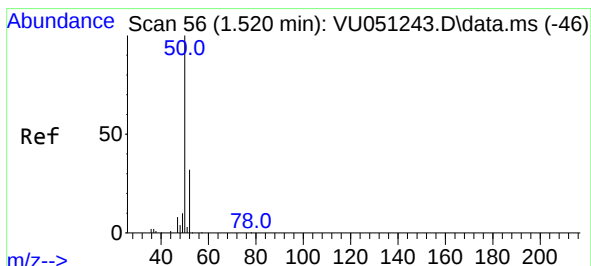
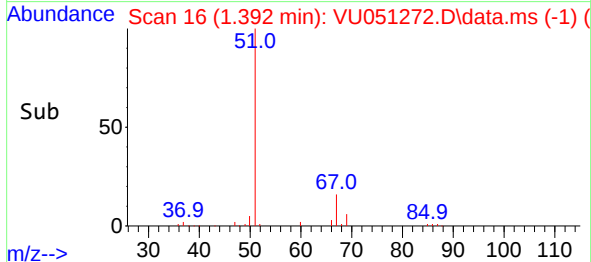
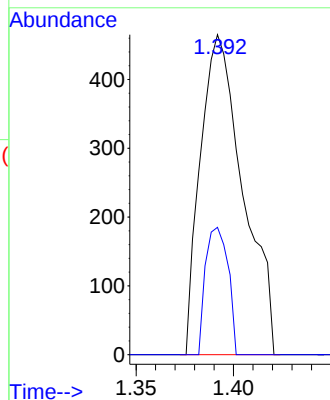
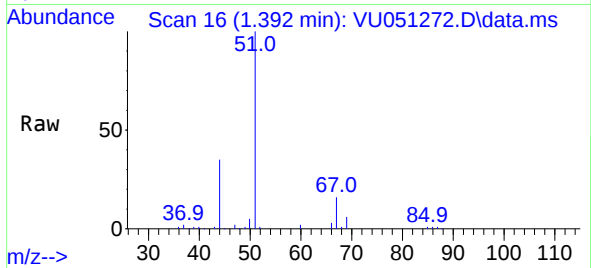




#2
Dichlorodifluoromethane
Concen: 0.085 ug/L
RT: 1.392 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

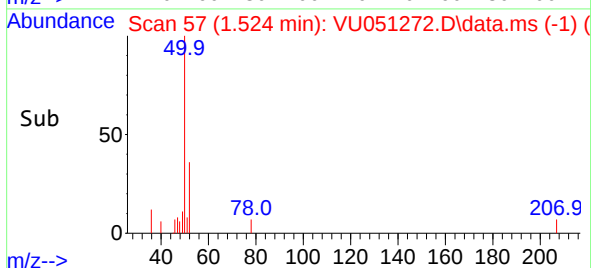
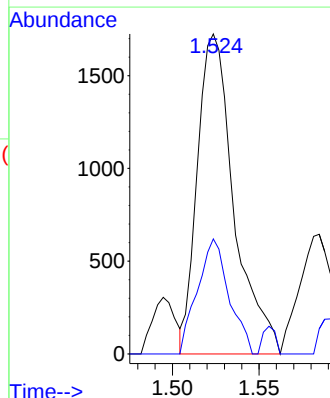
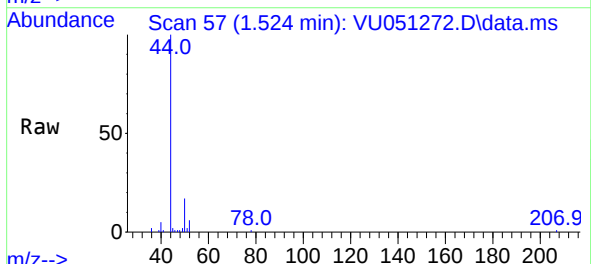
Instrument :
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ClientSampleId :
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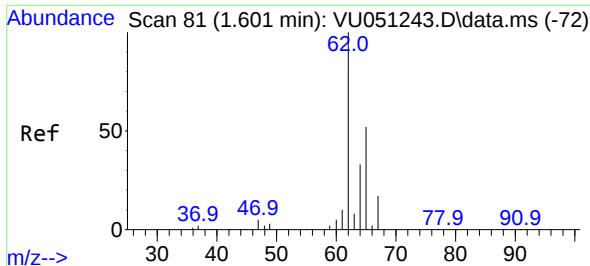
Tgt Ion: 85 Resp: 708
Ion Ratio Lower Upper
85 100
87 20.9 26.2 39.4#



#3
Chloromethane
Concen: 0.216 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Tgt Ion: 50 Resp: 2533
Ion Ratio Lower Upper
50 100
52 35.9 22.9 42.5

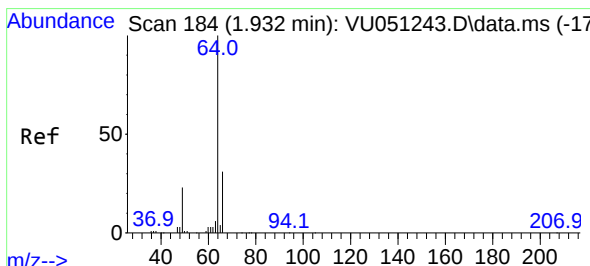
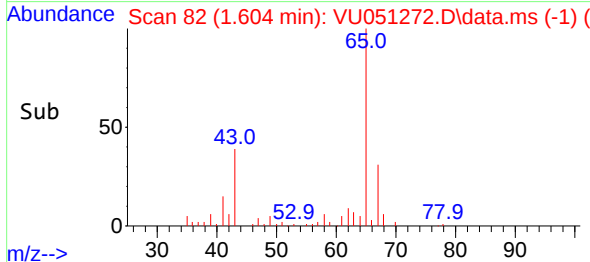
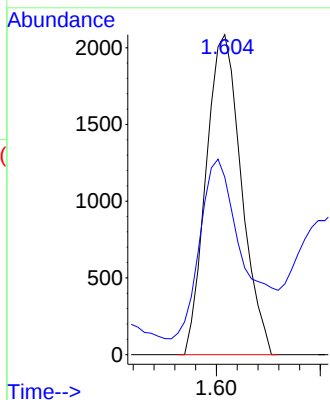
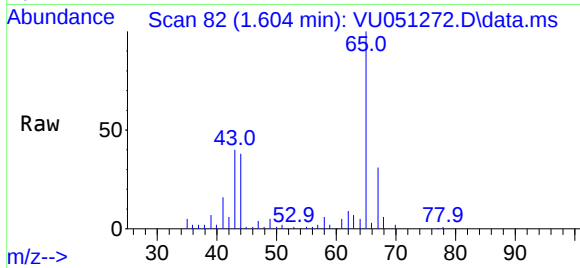




#5
 Vinyl chloride
 Concen: 0.214 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU051272.D
 Acq: 08 Oct 2022 15:16

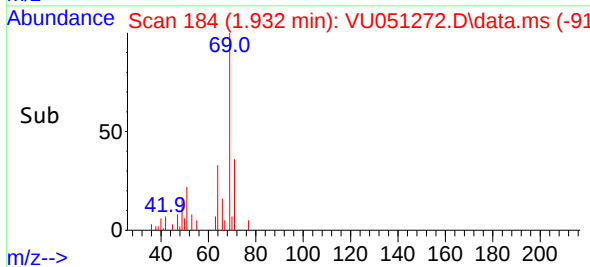
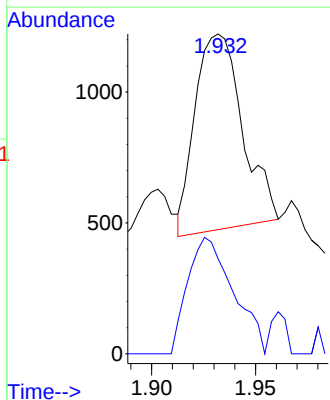
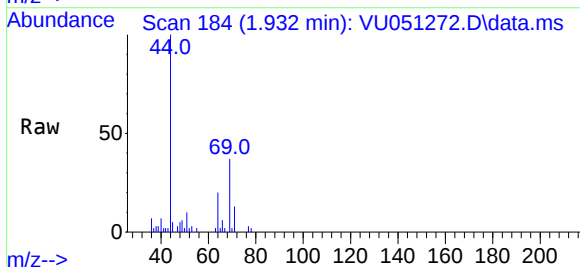
Instrument :
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 ClientSampleId :
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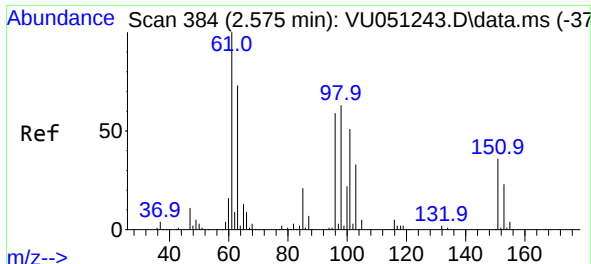
Tgt Ion: 62 Resp: 2452
 Ion Ratio Lower Upper
 62 100
 64 55.5 24.0 44.6#



#8
 Chloroethane
 Concen: 0.162 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.000 min
 Lab File: VU051272.D
 Acq: 08 Oct 2022 15:16

Tgt Ion: 64 Resp: 1189
 Ion Ratio Lower Upper
 64 100
 66 29.8 22.3 41.3

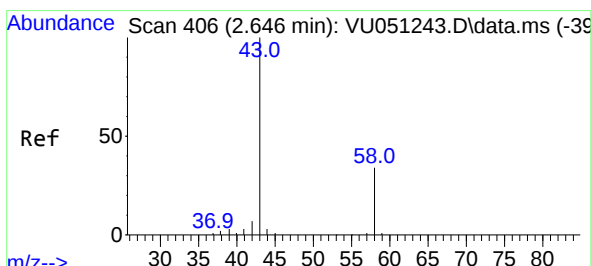
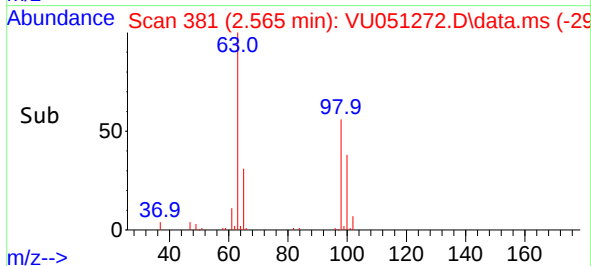
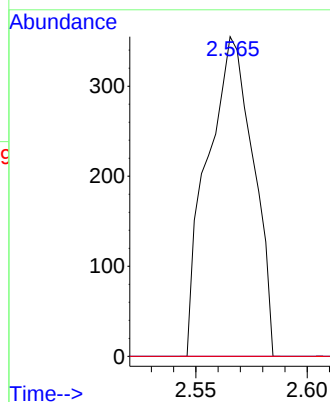
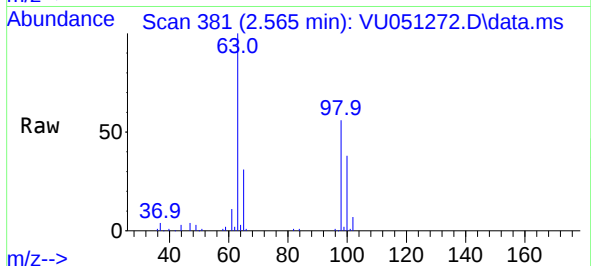




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.064 ug/L
RT: 2.565 min Scan# 310
Delta R.T. -0.009 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

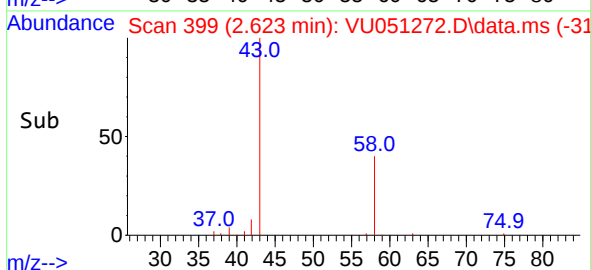
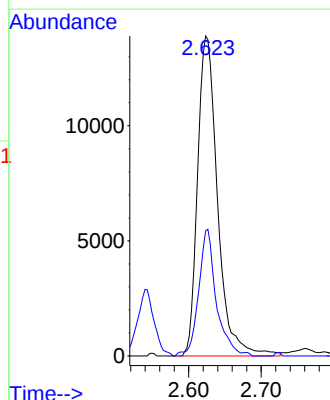
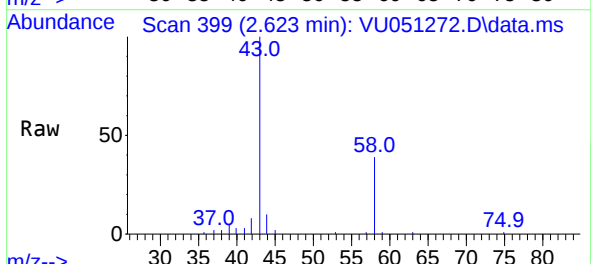
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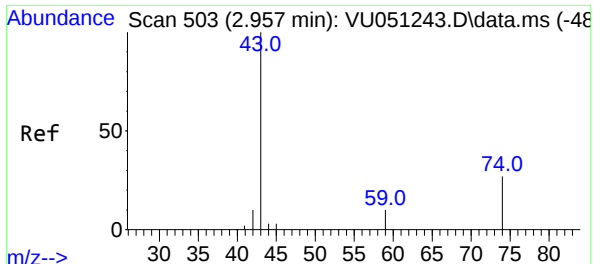
Tgt Ion:101 Resp: 508
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.5 84.7#



#13
Acetone
Concen: 19.569 ug/L
RT: 2.623 min Scan# 399
Delta R.T. -0.022 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Tgt Ion: 43 Resp: 26627
Ion Ratio Lower Upper
43 100
58 34.7 0.0 68.8





#15

Methyl Acetate

Concen: 0.289 ug/L

RT: 3.080 min Scan# 541

Delta R.T. 0.122 min

Lab File: VU051272.D

Acq: 08 Oct 2022 15:16

Instrument :

MSVOA_U

ClientSampleId :

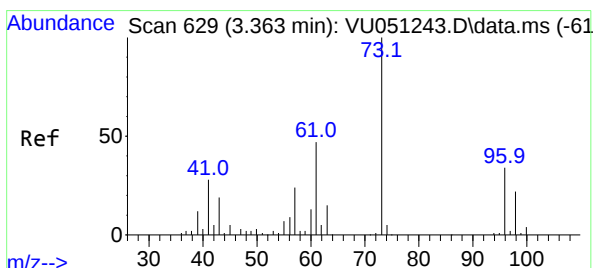
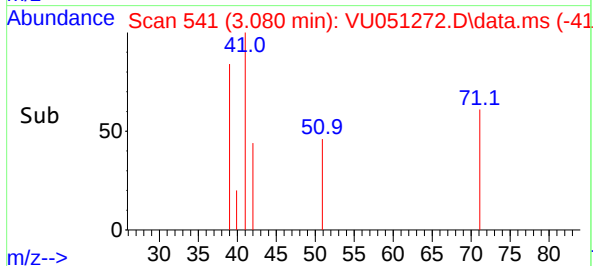
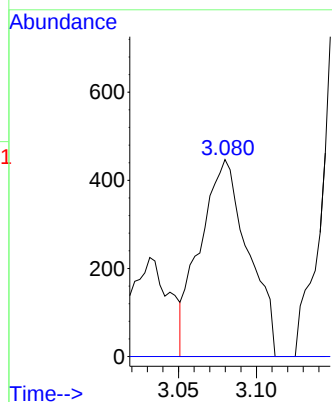
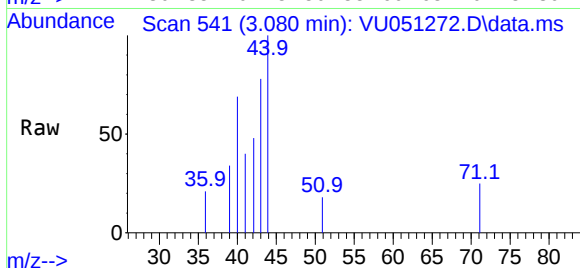
CB8T8

Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

43 100

74 0.0 20.0 30.0#



#17

Methyl tert-butyl Ether

Concen: 1.075 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU051272.D

Acq: 08 Oct 2022 15:16

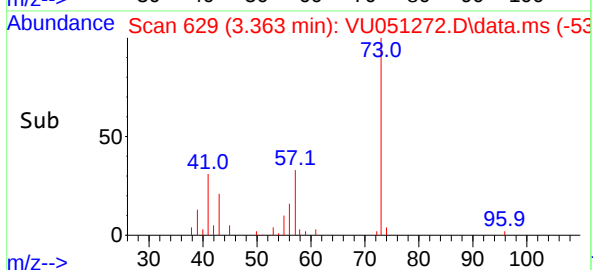
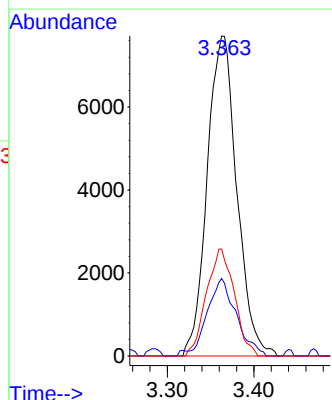
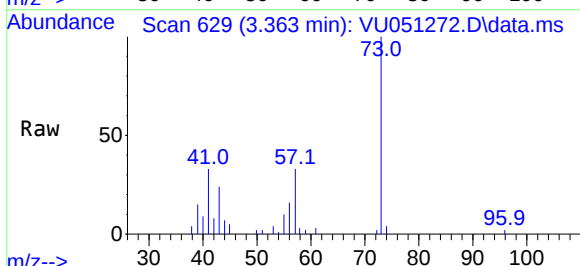
Tgt Ion: 73 Resp: 18352

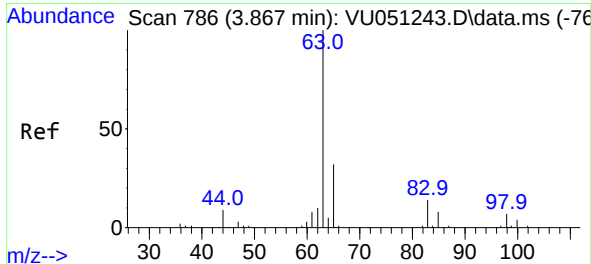
Ion Ratio Lower Upper

73 100

43 23.3 15.4 23.0#

57 31.4 18.9 28.3#

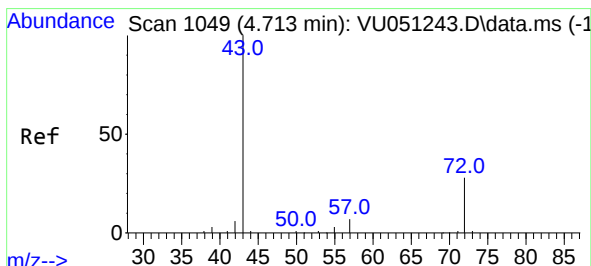
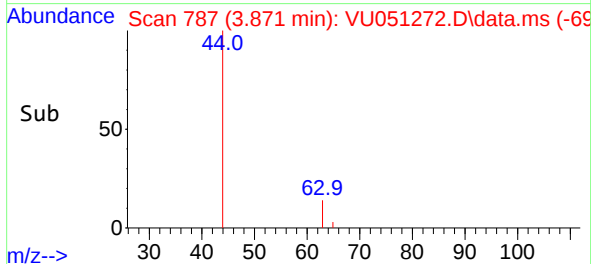
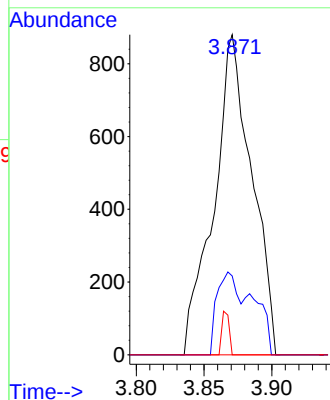
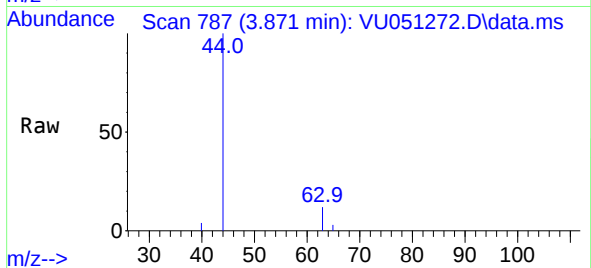




#19
1,1-Dichloroethane
Concen: 0.106 ug/L
RT: 3.871 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

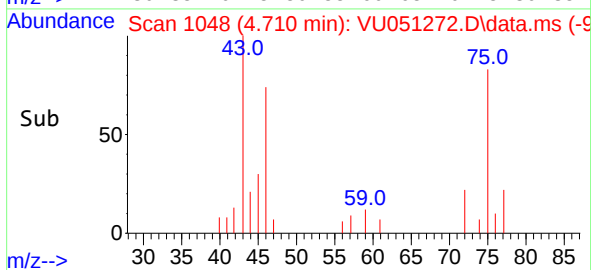
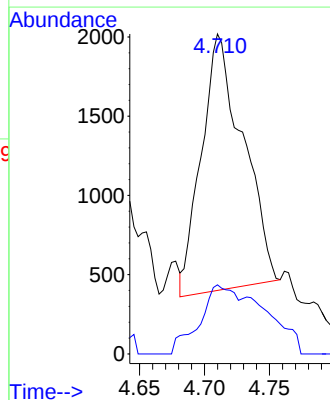
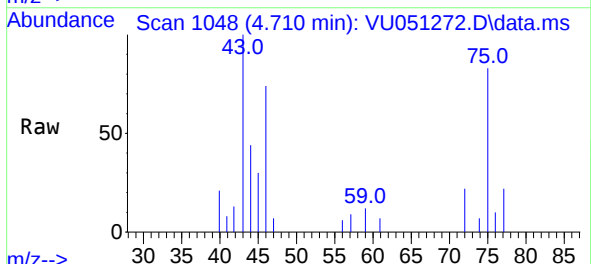
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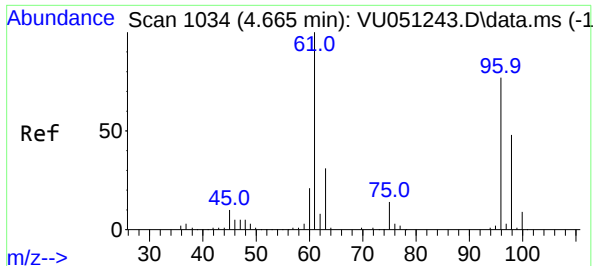
Tgt Ion: 63 Resp: 1714
Ion Ratio Lower Upper
63 100
65 24.7 22.0 41.0
83 0.0 9.0 16.6#



#21
2-Butanone
Concen: 1.679 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Tgt Ion: 43 Resp: 3600
Ion Ratio Lower Upper
43 100
72 25.2 13.8 41.4

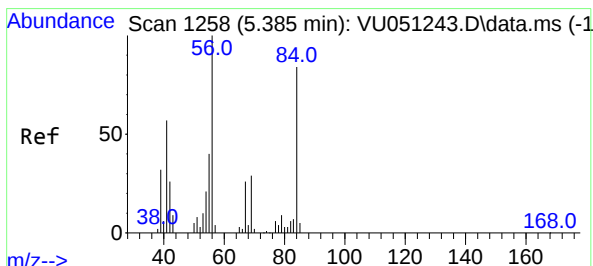
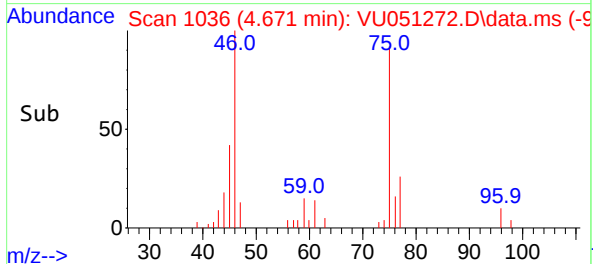
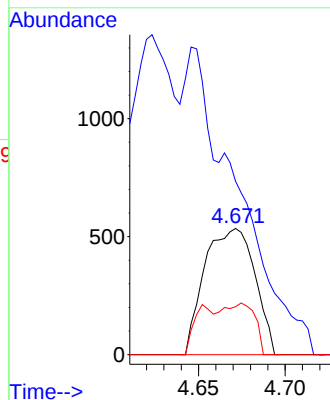
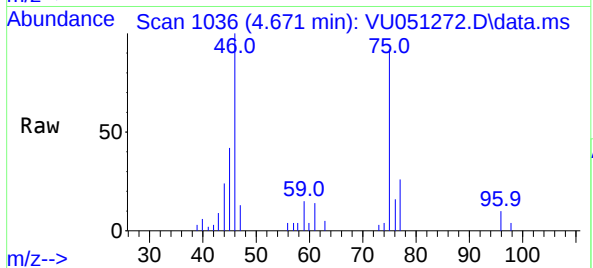




#22
 cis-1,2-Dichloroethene
 Concen: 0.124 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.007 min
 Lab File: VU051272.D
 Acq: 08 Oct 2022 15:16

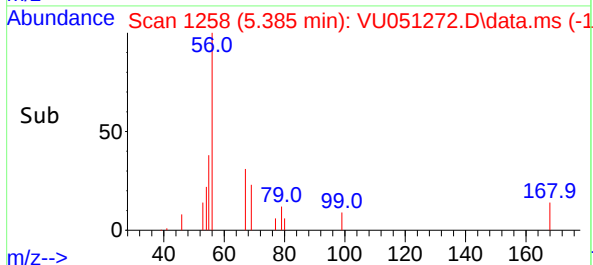
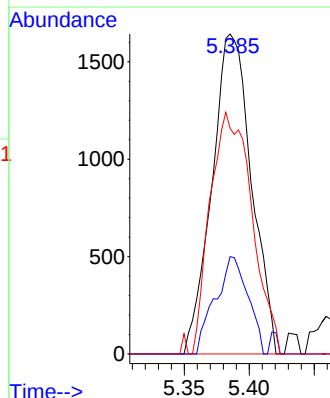
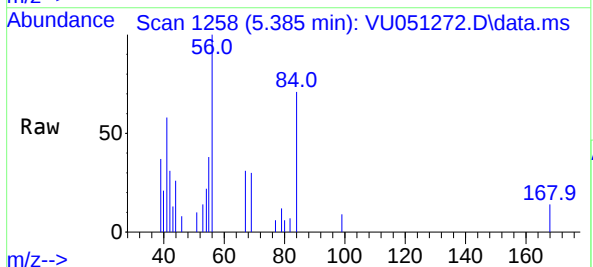
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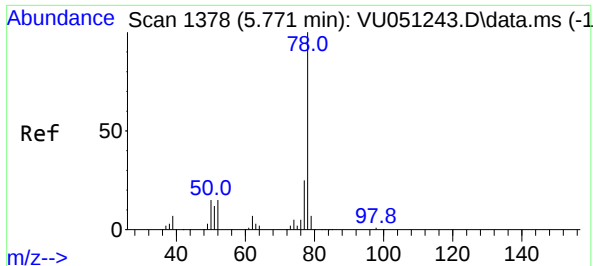
Tgt Ion: 96 Resp: 1080
 Ion Ratio Lower Upper
 96 100
 61 137.4 90.6 168.2
 98 37.9 47.5 88.3#



#30
 Cyclohexane
 Concen: 0.311 ug/L
 RT: 5.385 min Scan# 1258
 Delta R.T. 0.000 min
 Lab File: VU051272.D
 Acq: 08 Oct 2022 15:16

Tgt Ion: 56 Resp: 3474
 Ion Ratio Lower Upper
 56 100
 69 25.2 25.1 37.7
 84 79.8 70.9 106.3

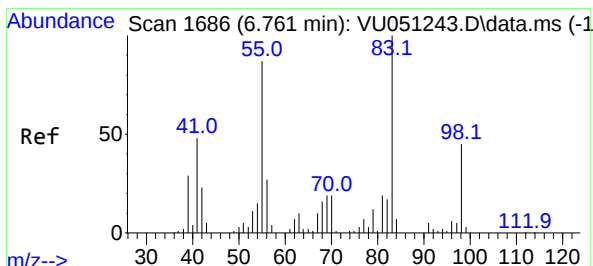
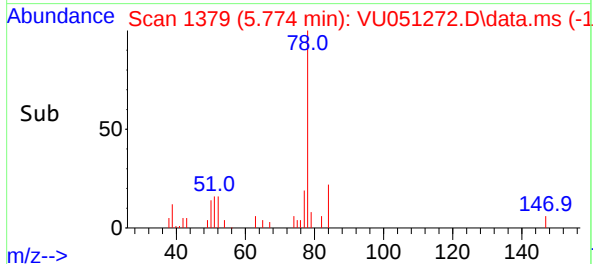
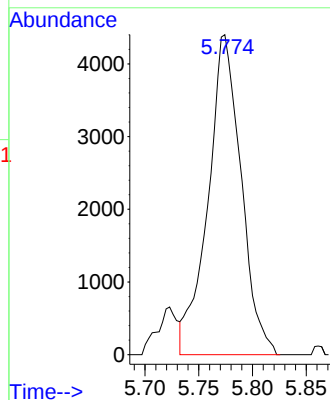
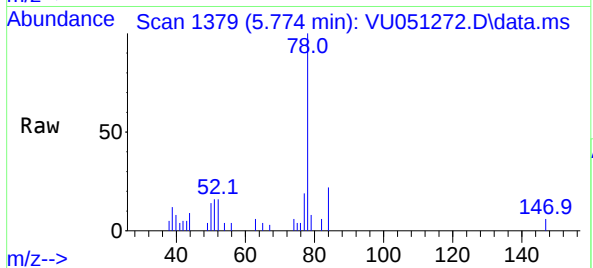




#33
Benzene
Concen: 0.257 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

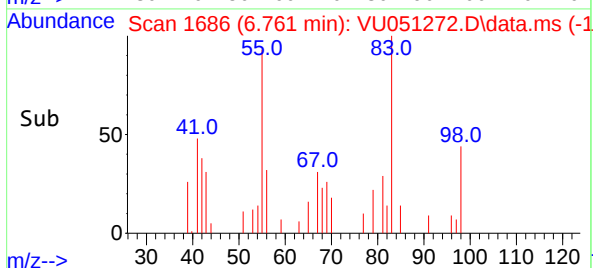
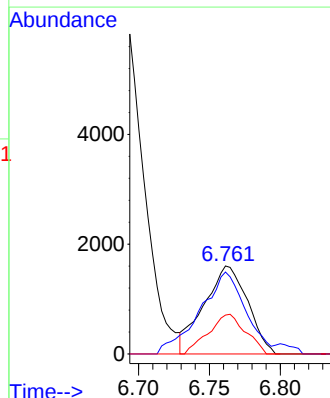
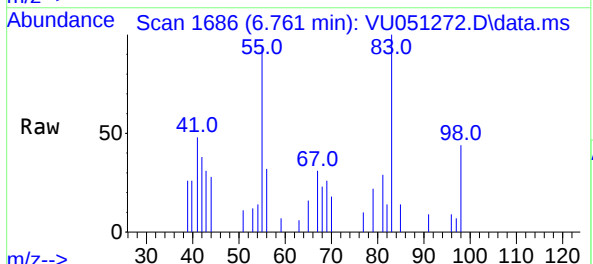
Instrument :
MSVOA_U
ClientSampleId :
CB8T8

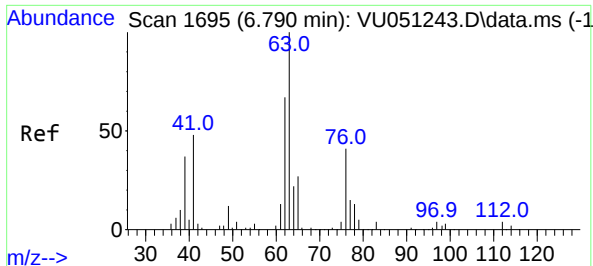
Tgt Ion: 78 Resp: 9415



#35
Methylcyclohexane
Concen: 0.298 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Tgt Ion: 83 Resp: 3433
Ion Ratio Lower Upper
83 100
55 98.0 65.8 98.6
98 38.3 35.9 53.9

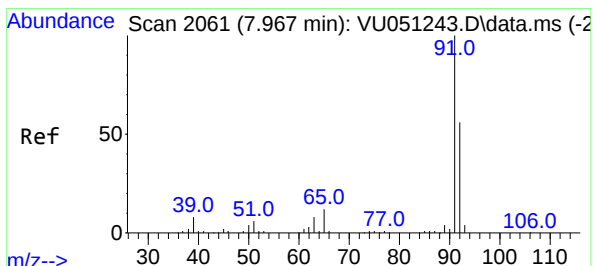
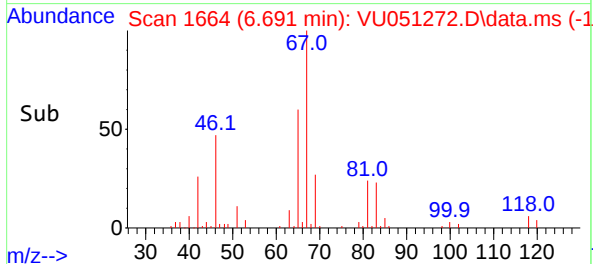
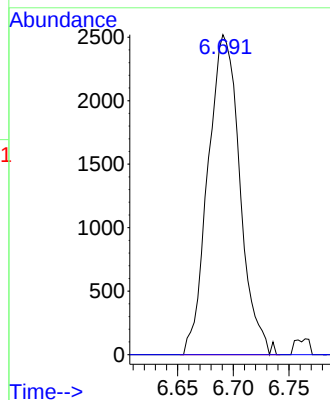
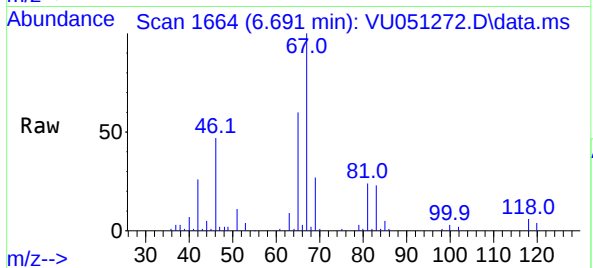




#37
1,2-Dichloropropane
Concen: 0.500 ug/L
RT: 6.691 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

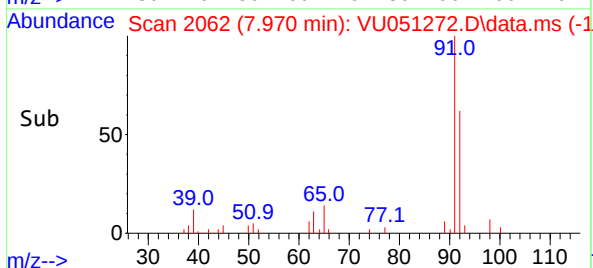
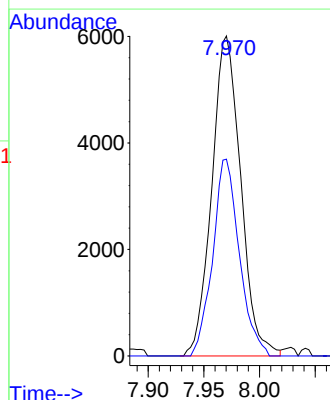
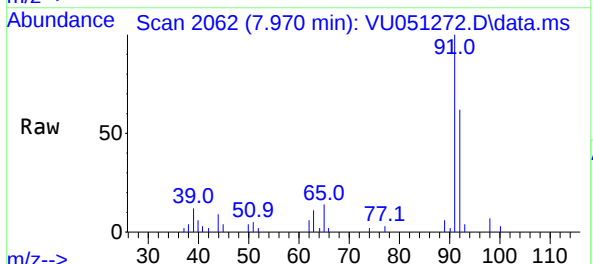
Instrument :
MSVOA_U
ClientSampleId :
CB8T8

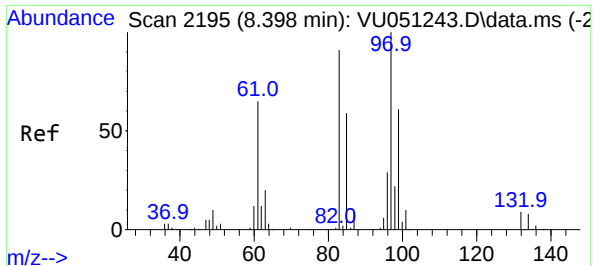
Tgt Ion: 63 Resp: 5026
Ion Ratio Lower Upper
63 100
112 0.4 3.2 4.8#



#42
Toluene
Concen: 0.279 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Tgt Ion: 91 Resp: 10871
Ion Ratio Lower Upper
91 100
92 61.5 39.9 74.1

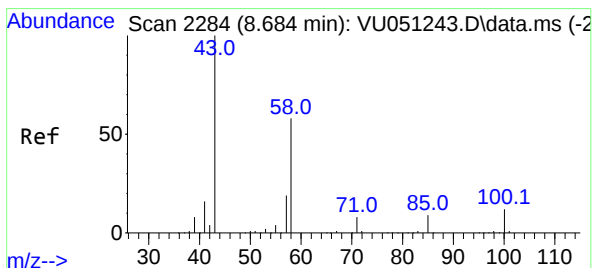
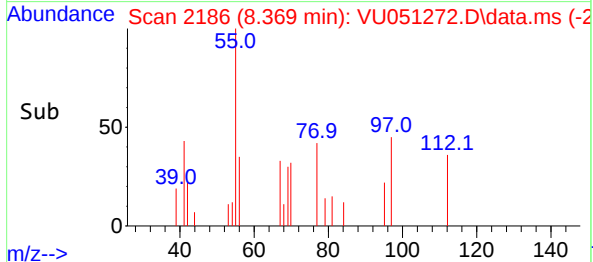
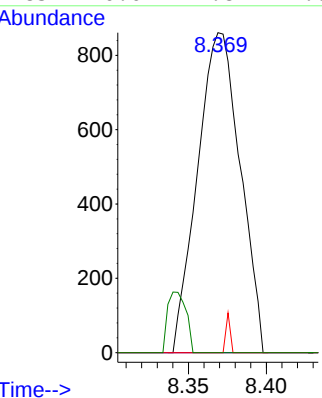
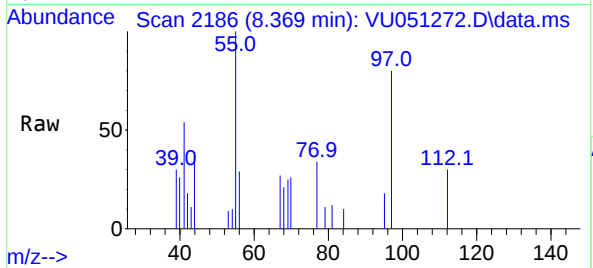




#45
1,1,2-Trichloroethane
Concen: 0.233 ug/L
RT: 8.369 min Scan# 2195
Delta R.T. -0.029 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

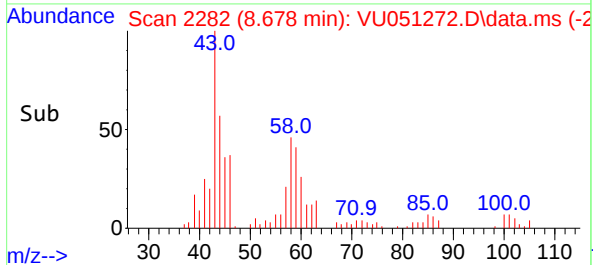
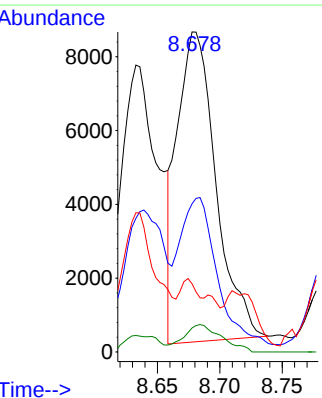
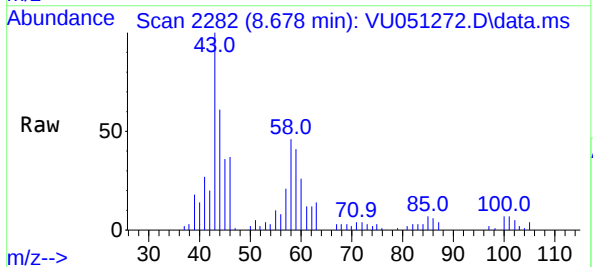
Instrument :
MSVOA_U
ClientSampleId :
CB8T8

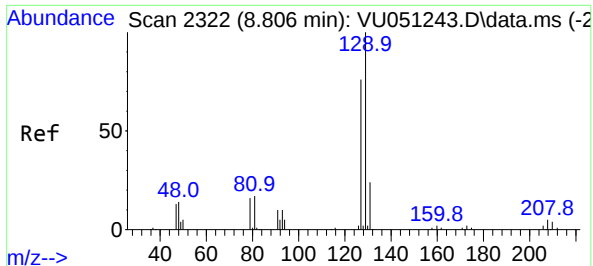
Tgt Ion:	97	Resp:	1641
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.3	84.1#
83	0.0	63.1	117.1#
85	0.0	41.8	77.6#



#48
2-Hexanone
Concen: 4.631 ug/L
RT: 8.678 min Scan# 2282
Delta R.T. -0.006 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Tgt Ion:	43	Resp:	18172
Ion	Ratio	Lower	Upper
43	100		
58	50.2	48.2	72.2
57	11.8	15.5	23.3#
100	8.6	9.0	13.4#





#49

Dibromochloromethane

Concen: 0.085 ug/L

RT: 8.559 min Scan# 21

Delta R.T. -0.247 min

Lab File: VU051272.D

Acq: 08 Oct 2022 15:16

Instrument :

MSVOA_U

ClientSampleId :

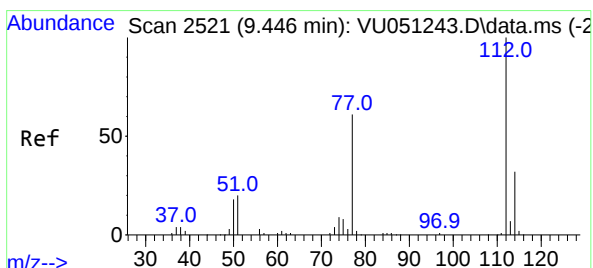
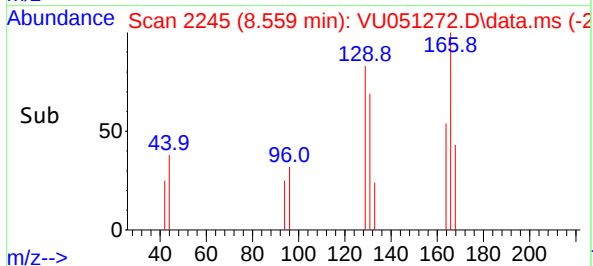
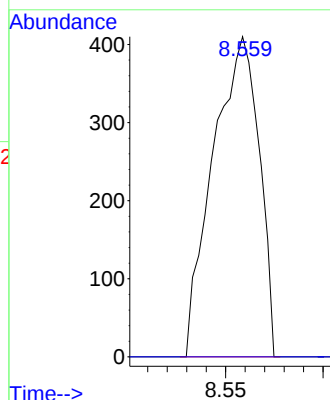
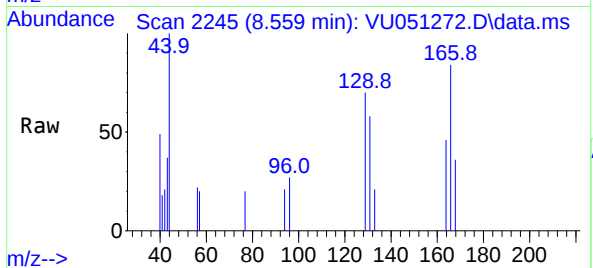
CB8T8

Tgt Ion:129 Resp: 674

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 22.852 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051272.D

Acq: 08 Oct 2022 15:16

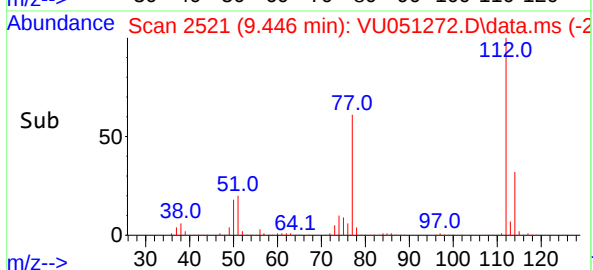
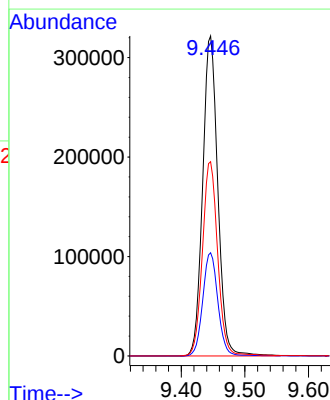
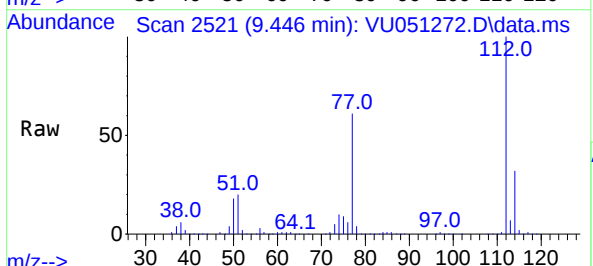
Tgt Ion:112 Resp: 531154

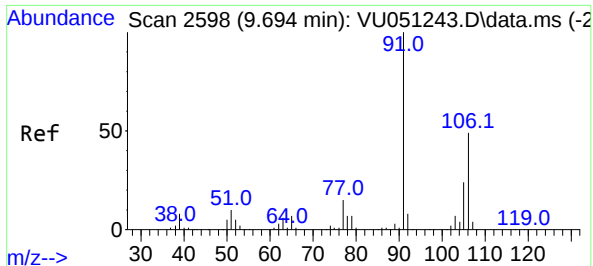
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 60.7 48.1 72.1

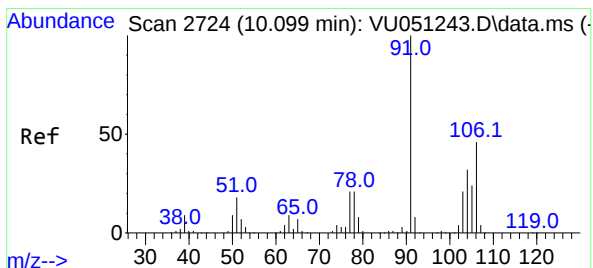
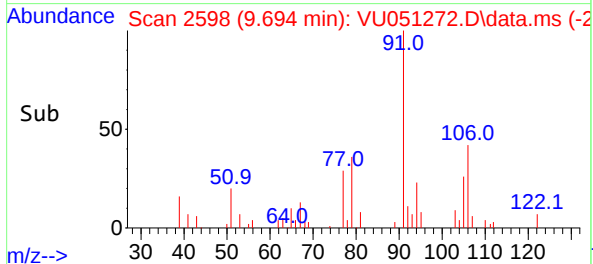
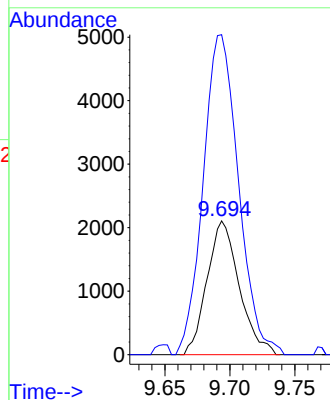
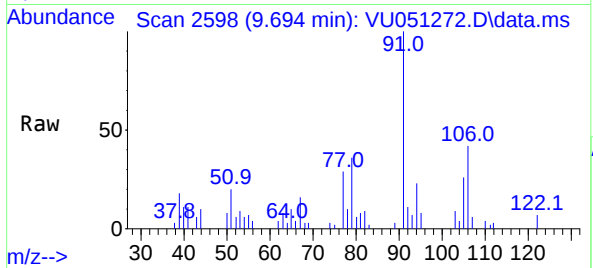




#53
m,p-Xylene
Concen: 0.268 ug/L
RT: 9.694 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

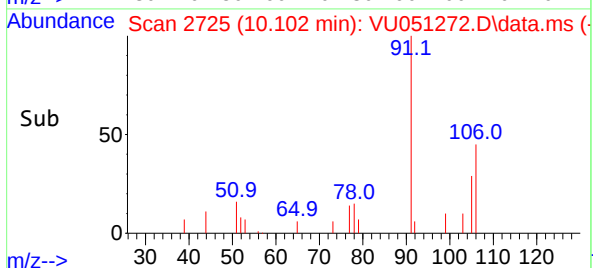
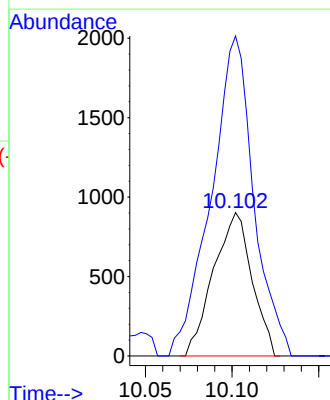
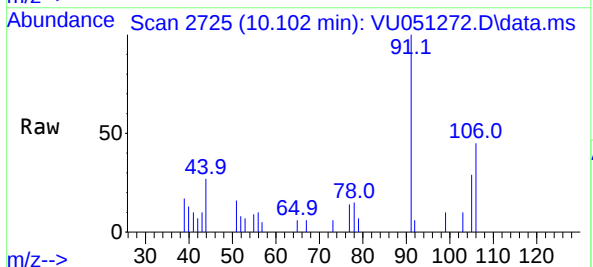
Instrument :
MSVOA_U
ClientSampleId :
CB8T8

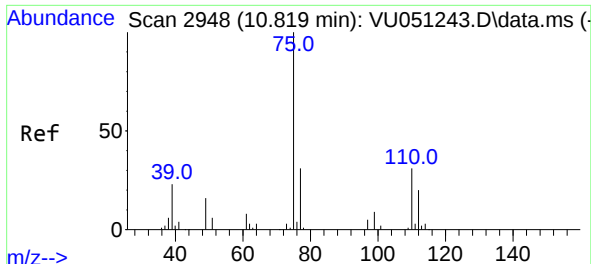
Tgt Ion:106 Resp: 3634
Ion Ratio Lower Upper
106 100
91 239.3 143.9 267.3



#54
o-Xylene
Concen: 0.109 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Tgt Ion:106 Resp: 1393
Ion Ratio Lower Upper
106 100
91 223.0 154.4 286.8





#61

1,2,3-Trichloropropane

Concen: 0.411 ug/L

RT: 11.748 min Scan# 31

Delta R.T. 0.929 min

Lab File: VU051272.D

Acq: 08 Oct 2022 15:16

Instrument :

MSVOA_U

ClientSampleId :

CB8T8

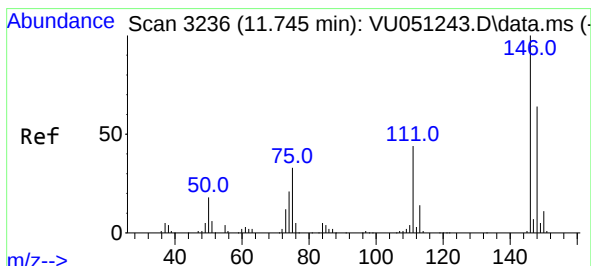
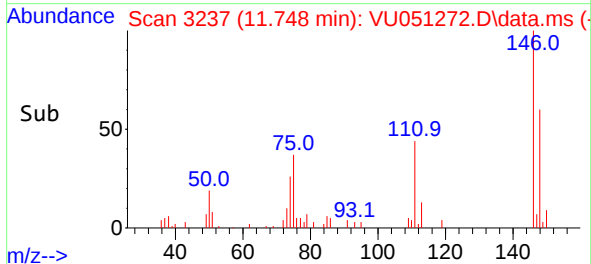
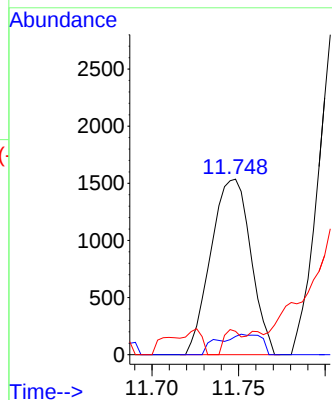
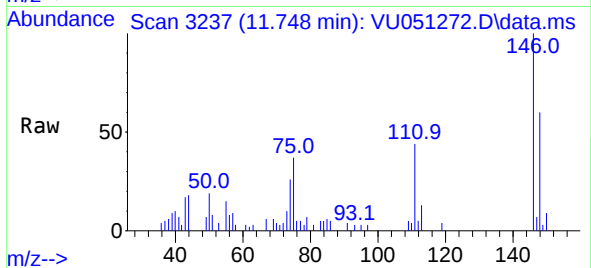
Tgt Ion: 75 Resp: 2459

Ion Ratio Lower Upper

75 100

110 12.6 27.0 40.6#

77 0.0 26.4 39.6#



#64

1,3-Dichlorobenzene

Concen: 0.452 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. 0.003 min

Lab File: VU051272.D

Acq: 08 Oct 2022 15:16

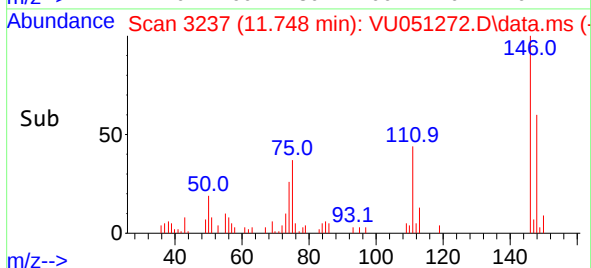
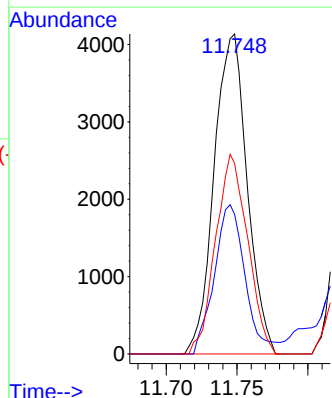
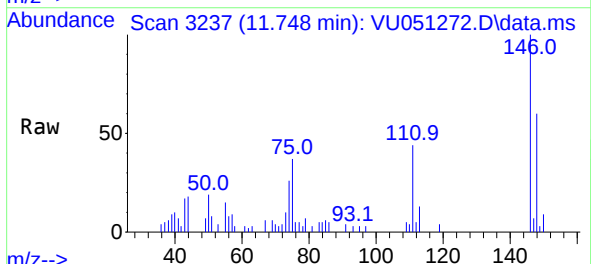
Tgt Ion:146 Resp: 6708

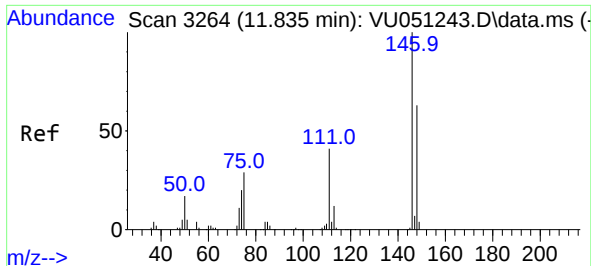
Ion Ratio Lower Upper

146 100

111 43.7 28.3 52.7

148 59.6 43.8 81.4

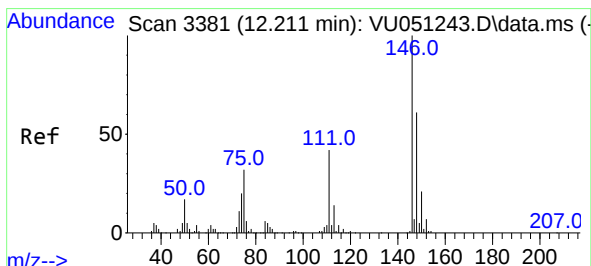
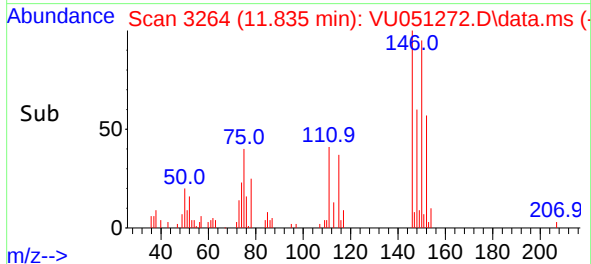
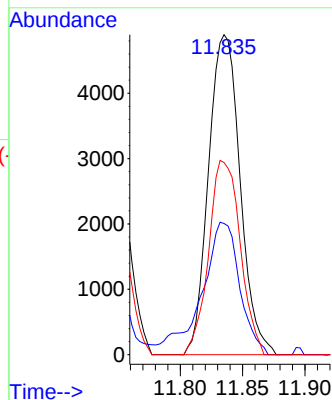
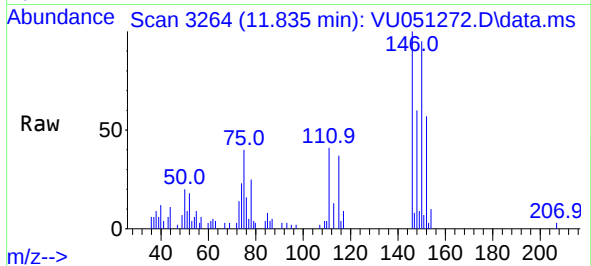




#65
1,4-Dichlorobenzene
Concen: 0.592 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

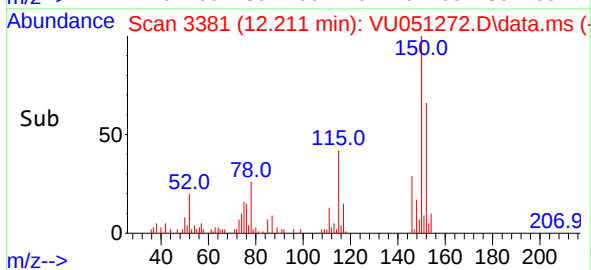
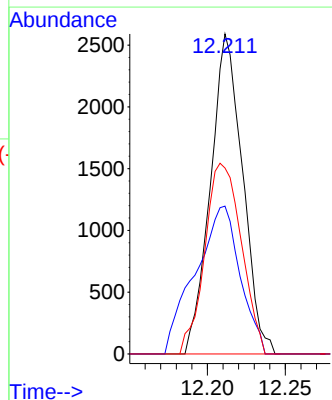
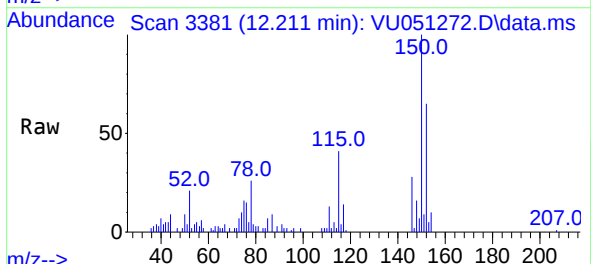
Instrument :
MSVOA_U
ClientSampleId :
CB8T8

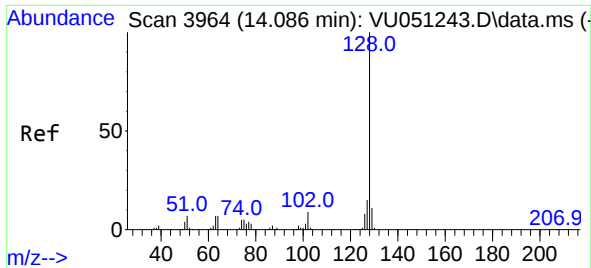
Tgt Ion:146 Resp: 8651
Ion Ratio Lower Upper
146 100
111 41.0 29.1 54.1
148 60.0 44.2 82.0



#67
1,2-Dichlorobenzene
Concen: 0.257 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

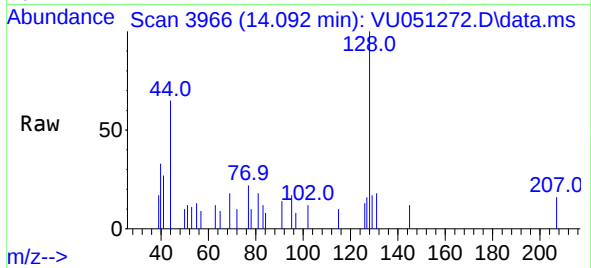
Tgt Ion:146 Resp: 3711
Ion Ratio Lower Upper
146 100
111 46.2 35.5 53.3
148 58.1 50.9 76.3





#71
Naphthalene
Concen: 0.214 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.007 min
Lab File: VU051272.D
Acq: 08 Oct 2022 15:16

Instrument :
MSVOA_U
ClientSampleId :
CB8T8



Tgt Ion:	128	Resp:	2891
Ion	Ratio	Lower	Upper
128	100		
129	5.4	8.5	12.7#
127	0.0	11.1	16.7#

