

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011524\
 Data File : VU057524.D
 Acq On : 15 Jan 2024 12:59
 Operator : MD/SY
 Sample : P1120-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

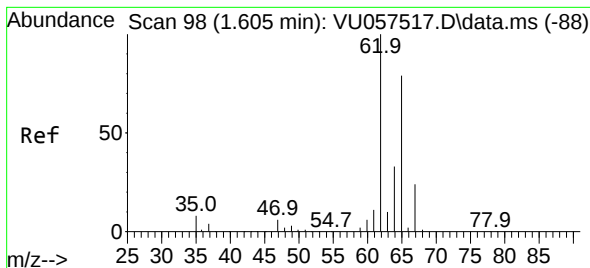
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 00:34:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 00:31:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	253335	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	225774	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92506	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	121277	4.718	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.914	69	104567	5.228	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.563	65	51595	4.747	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.000%
20) 2-Butanone-d5	4.640	46	225203	46.321	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.640%
24) Chloroform-d	5.055	84	226015	5.089	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.800%
26) 1,2-Dichloroethane-d4	5.695	65	111219	5.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.721	84	429211	5.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
36) 1,2-Dichloropropane-d6	6.682	67	139400	5.430	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.600%
41) Toluene-d8	7.894	98	284298	4.090	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	8.174	79	31607	3.541	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.800%
46) 2-Hexanone-d5	8.631	63	115288	35.673	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.340%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	93297	5.380	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	100598	5.415	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.605	62	70873	3.708	ug/L	97
12) 1,1-Dichloroethene	2.576	96	45082	3.046	ug/L #	60
14) Carbon disulfide	2.792	76	4937	0.119	ug/L	99
16) Methylene chloride	3.046	84	2985	0.149	ug/L	85
17) Methyl tert-butyl Ether	3.364	73	3721	0.101	ug/L #	83
18) trans-1,2-Dichloroethene	3.351	96	2980	0.203	ug/L	83
19) 1,1-Dichloroethane	3.862	63	54084	1.632	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	461489	26.983	ug/L	97
34) Trichloroethene	6.534	95	223126	12.805	ug/L	99
35) Methylcyclohexane	6.682	83	32377	1.398	ug/L #	15
42) Toluene	7.965	91	9293	0.142	ug/L	91
45) 1,1,2-Trichloroethane	8.271	97	4629	0.382	ug/L #	15
61) 1,2,3-Trichloropropane	11.807	75	12468	1.440	ug/L #	68
68) 1,2-Dibromo-3-chloropr...	12.765	75	155	0.093	ug/L #	10

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



#5

Vinyl chloride

Concen: 3.708 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU057524.D

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Instrument :

MSVOA_U

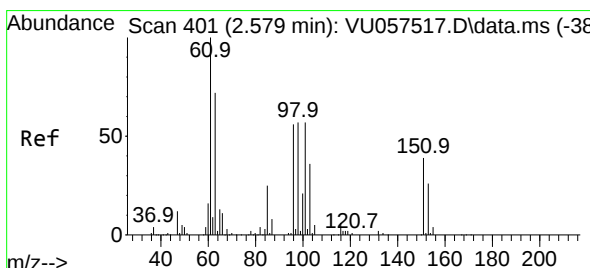
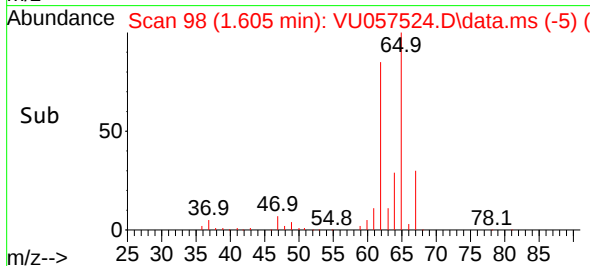
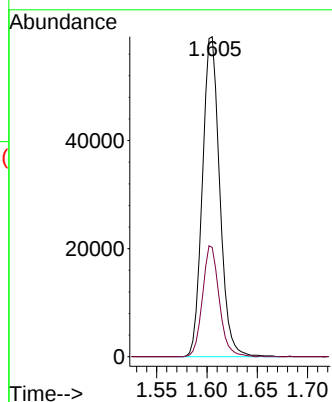
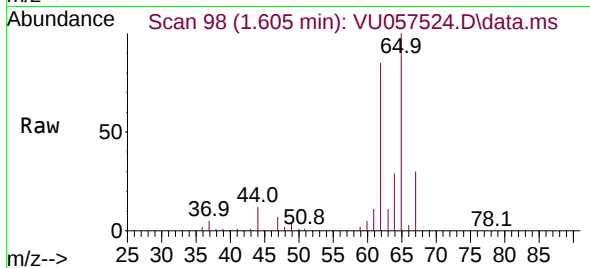
ClientSampleId :

Tgt Ion: 62 Resp: 70873

Ion Ratio Lower Upper

62 100

64 34.1 22.9 42.5



#12

1,1-Dichloroethene

Concen: 3.046 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.003 min

Lab File: VU057524.D

Acq: 15 Jan 2024 12:59

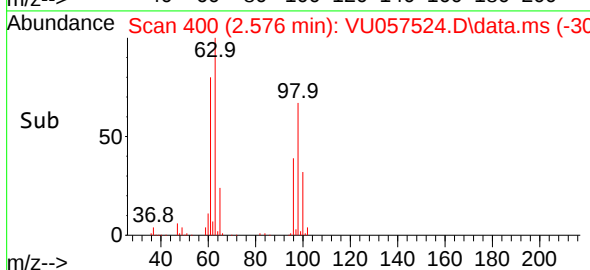
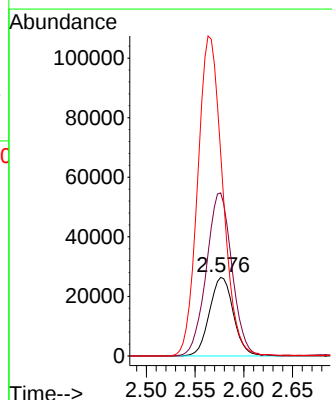
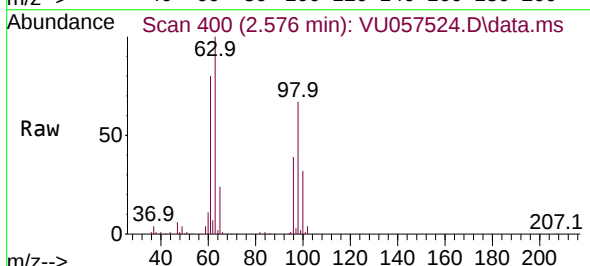
Tgt Ion: 96 Resp: 45082

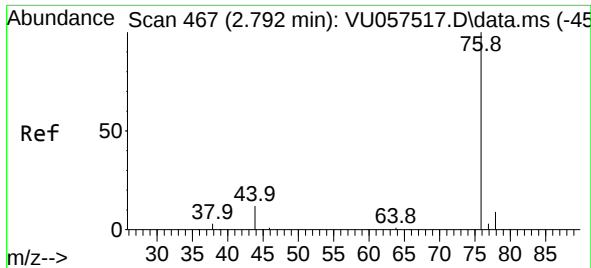
Ion Ratio Lower Upper

96 100

61 207.4 130.9 243.1

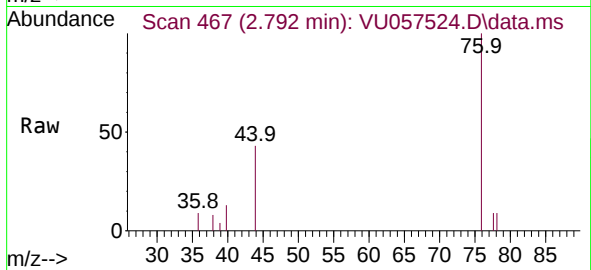
63 258.3 114.8 213.2#



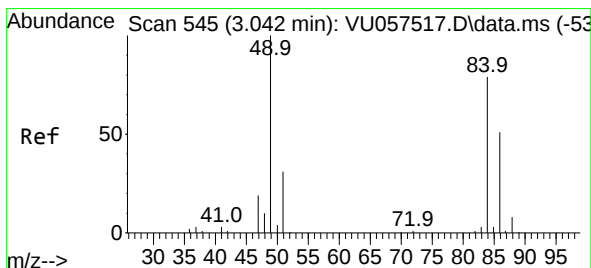
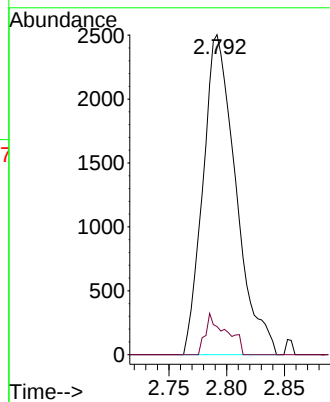
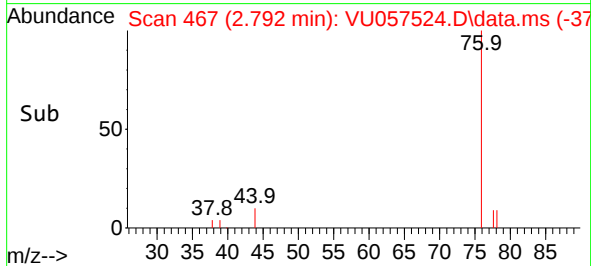


#14
Carbon disulfide
Concen: 0.119 ug/L
RT: 2.792 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU057524.D
Acq: 15 Jan 2024 12:59

Instrument :
MSVOA_U
ClientSampleId :

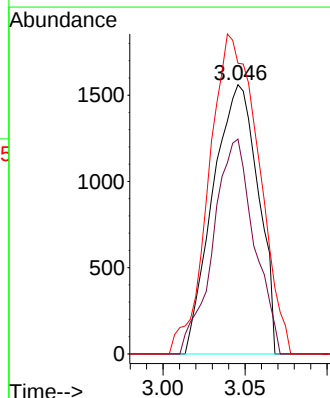
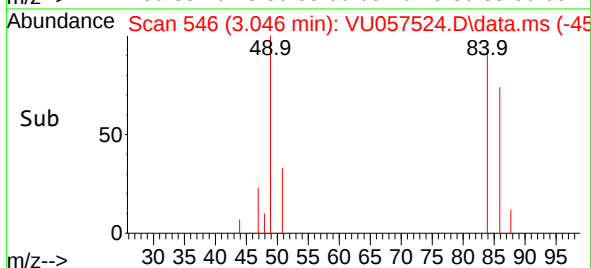
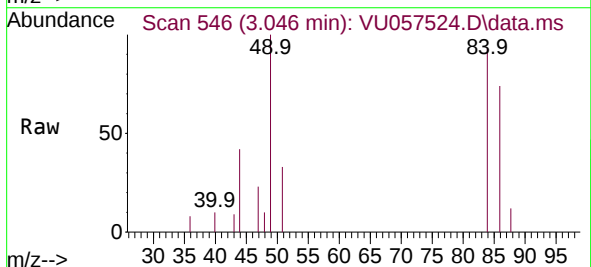


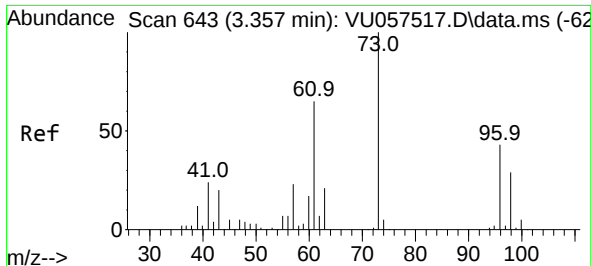
Tgt Ion: 76 Resp: 4937
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#16
Methylene chloride
Concen: 0.149 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU057524.D
Acq: 15 Jan 2024 12:59

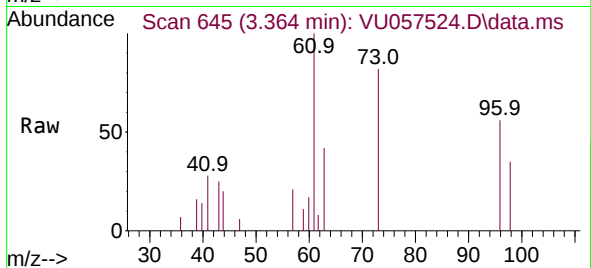
Tgt Ion: 84 Resp: 2985
Ion Ratio Lower Upper
84 100
86 79.8 45.8 85.2
49 107.9 86.7 161.1



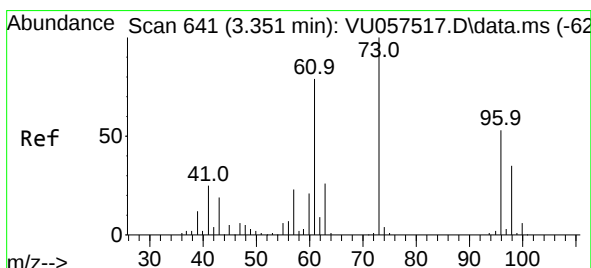
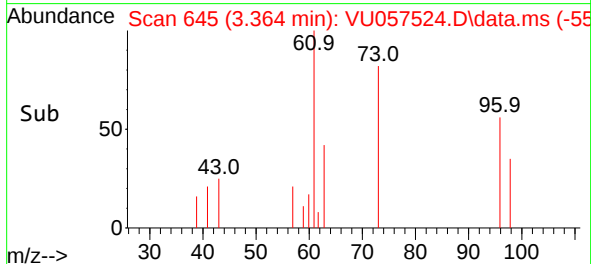
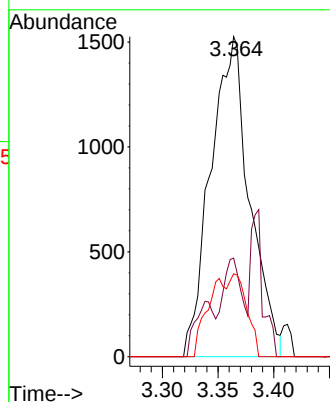


#17
Methyl tert-butyl Ether
Concen: 0.101 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU057524.D
Acq: 15 Jan 2024 12:59

Instrument :
MSVOA_U
ClientSampleId :

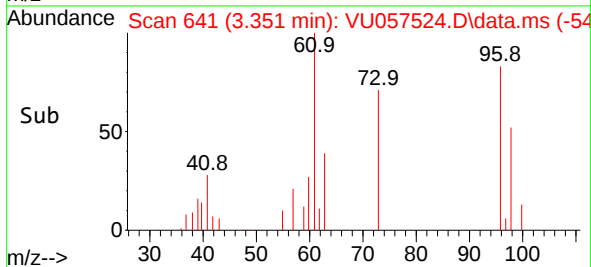
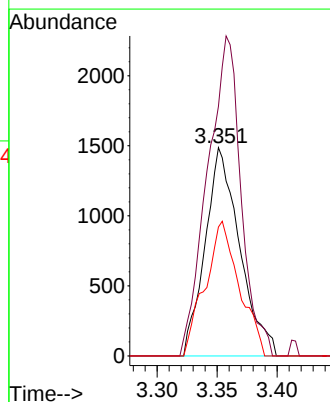
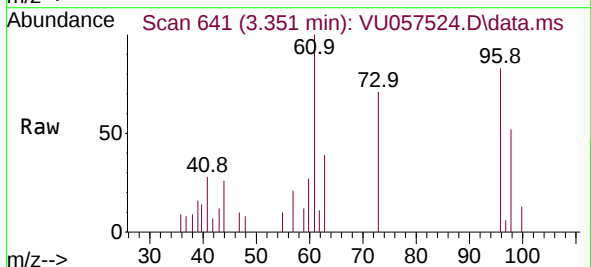


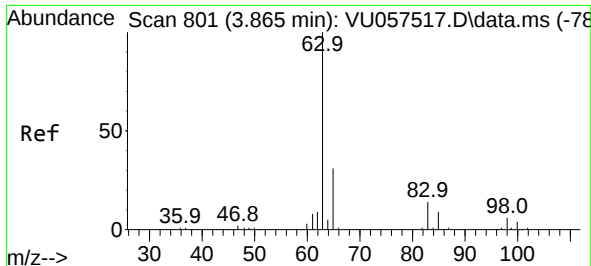
Tgt Ion: 73 Resp: 3721
Ion Ratio Lower Upper
73 100
43 15.6 16.1 24.1#
57 11.7 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 0.203 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057524.D
Acq: 15 Jan 2024 12:59

Tgt Ion: 96 Resp: 2980
Ion Ratio Lower Upper
96 100
61 119.8 105.1 195.3
98 61.9 43.7 81.1





#19

1,1-Dichloroethane

Concen: 1.632 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU057524.D

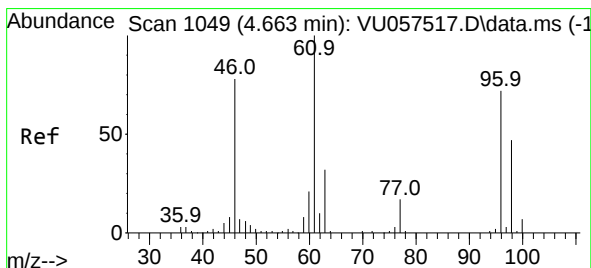
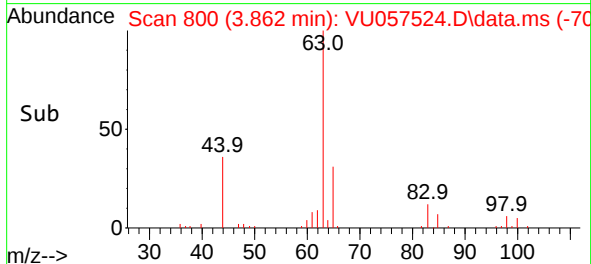
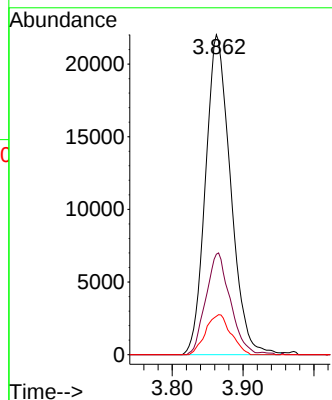
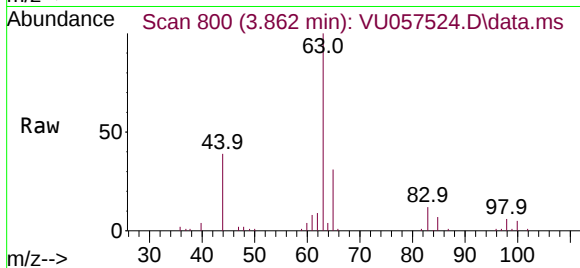
Acq: 15 Jan 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	54084
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.3	41.3
83	12.0	9.1	16.9



#22

cis-1,2-Dichloroethene

Concen: 26.983 ug/L

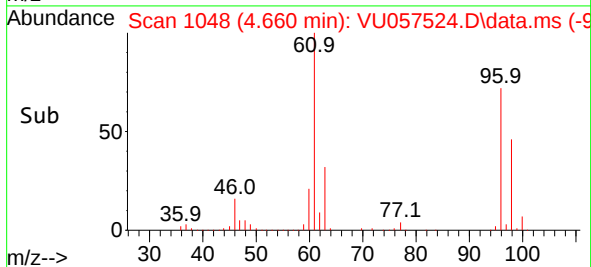
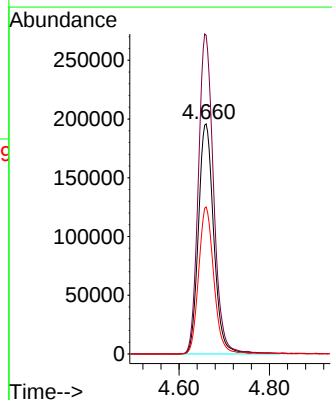
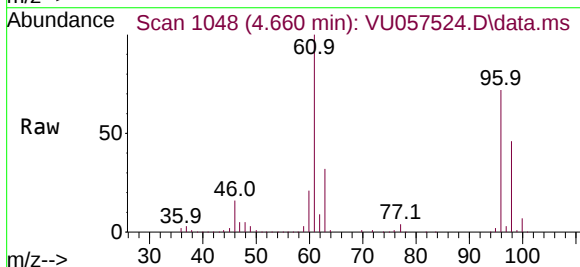
RT: 4.660 min Scan# 1048

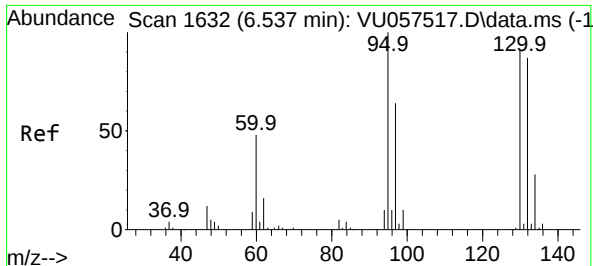
Delta R.T. -0.003 min

Lab File: VU057524.D

Acq: 15 Jan 2024 12:59

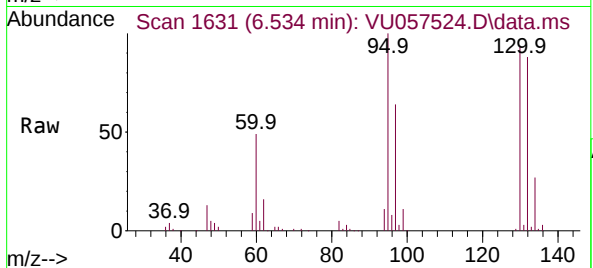
Tgt Ion:	96	Resp:	461489
Ion	Ratio	Lower	Upper
96	100		
61	138.6	93.4	173.4
98	63.9	44.9	83.3



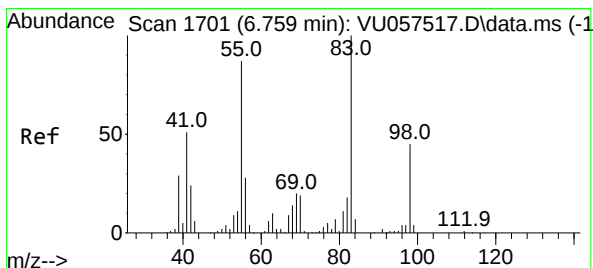
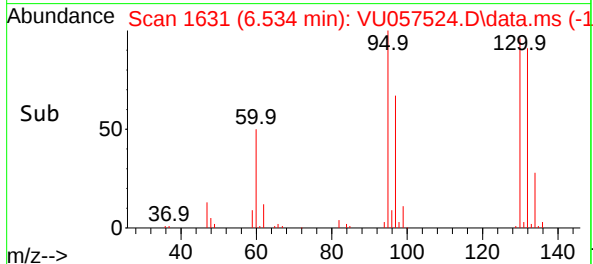
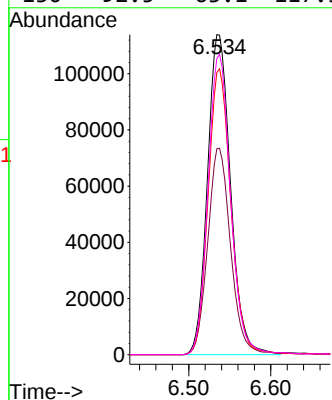


#34
Trichloroethene
Concen: 12.805 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057524.D
Acq: 15 Jan 2024 12:59

Instrument :
MSVOA_U
ClientSampleId :

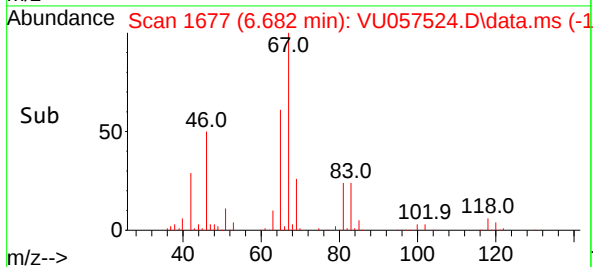
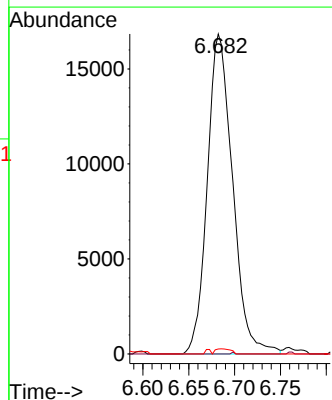
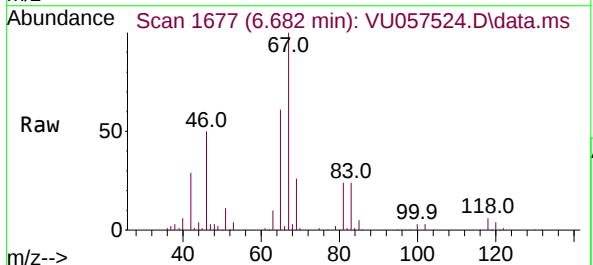


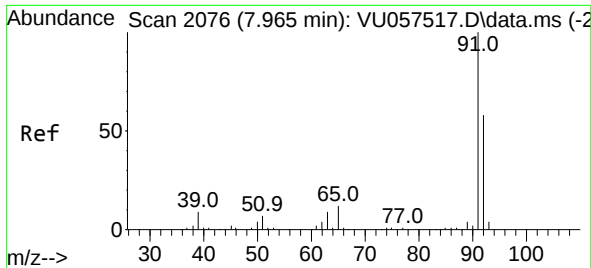
Tgt Ion: 95 Resp: 223126
Ion Ratio Lower Upper
95 100
97 64.4 45.0 83.6
132 88.2 61.7 114.5
130 92.5 63.1 117.3



#35
Methylcyclohexane
Concen: 1.398 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.077 min
Lab File: VU057524.D
Acq: 15 Jan 2024 12:59

Tgt Ion: 83 Resp: 32377
Ion Ratio Lower Upper
83 100
55 0.1 68.7 103.1#
98 1.0 36.3 54.5#





#42

Toluene

Concen: 0.142 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057524.D

Acq: 15 Jan 2024 12:59

Instrument :

MSVOA_U

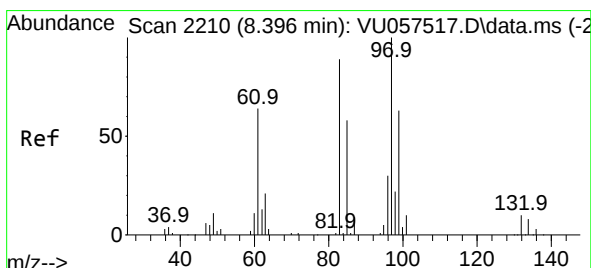
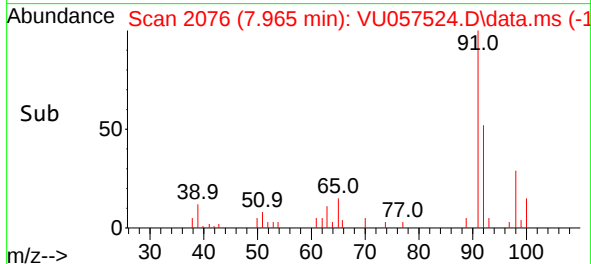
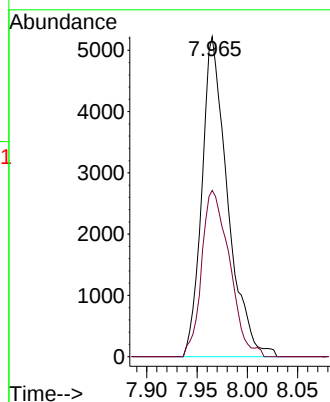
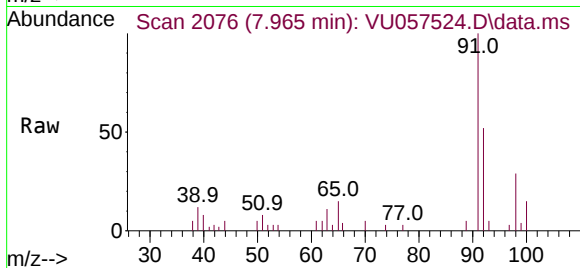
ClientSampleId :

Tgt Ion: 91 Resp: 9293

Ion Ratio Lower Upper

91 100

92 52.0 41.2 76.4



#45

1,1,2-Trichloroethane

Concen: 0.382 ug/L

RT: 8.271 min Scan# 2171

Delta R.T. -0.125 min

Lab File: VU057524.D

Acq: 15 Jan 2024 12:59

Tgt Ion: 97 Resp: 4629

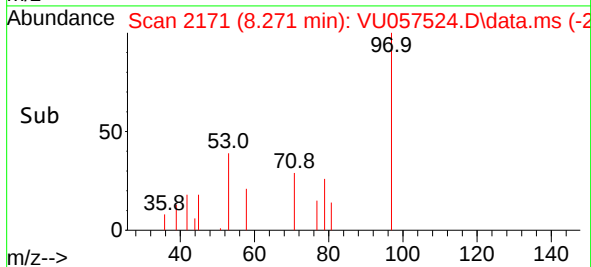
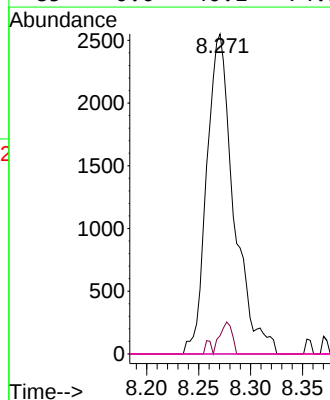
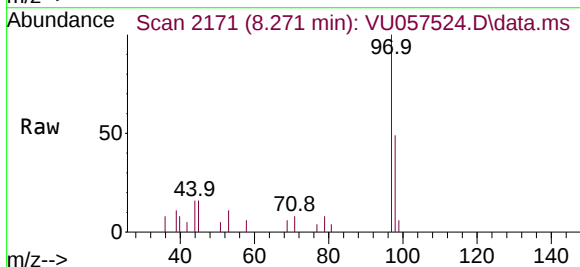
Ion Ratio Lower Upper

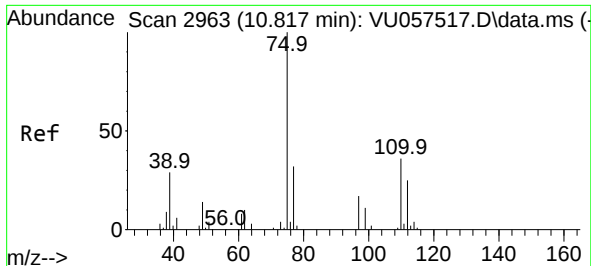
97 100

99 5.7 45.5 84.5#

83 0.0 63.8 118.6#

85 0.0 40.1 74.5#

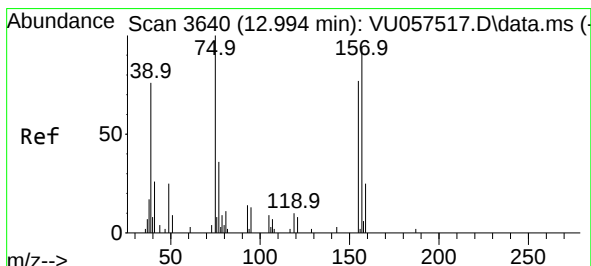
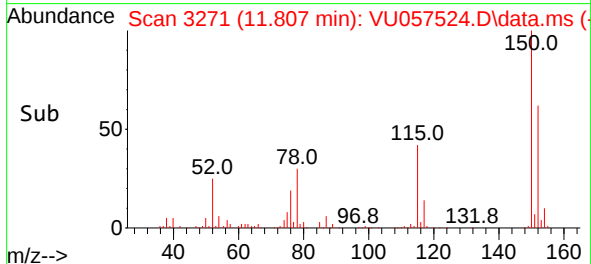
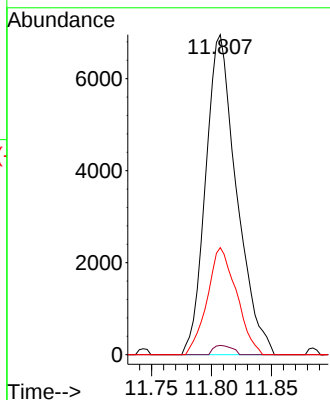
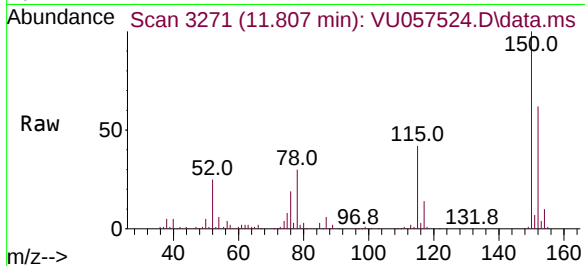




#61
 1,2,3-Trichloropropane
 Concen: 1.440 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU057524.D
 Acq: 15 Jan 2024 12:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75 Resp: 12468
 Ion Ratio Lower Upper
 75 100
 110 1.7 29.4 44.0#
 77 31.7 26.2 39.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.093 ug/L
 RT: 12.765 min Scan# 3569
 Delta R.T. -0.228 min
 Lab File: VU057524.D
 Acq: 15 Jan 2024 12:59

Tgt Ion: 75 Resp: 155
 Ion Ratio Lower Upper
 75 100
 155 0.0 55.4 83.0#
 157 0.0 68.6 102.8#

