

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011224\
 Data File : VU057484.D
 Acq On : 12 Jan 2024 15:53
 Operator : MD/SY
 Sample : P1062-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 13 01:38:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 13 01:34:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	270790	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	278598	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	105825	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	137249	4.996	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.000%
7) Chloroethane-d5	1.914	69	111031	5.194	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.800%
11) 1,1-Dichloroethene-d2	2.563	65	60664	5.222	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.400%
20) 2-Butanone-d5	4.641	46	294464	56.663	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.320%
24) Chloroform-d	5.055	84	248542	5.236	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
26) 1,2-Dichloroethane-d4	5.695	65	126632	5.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
32) Benzene-d6	5.721	84	481793	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.682	67	158231	4.995	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.894	98	323461	3.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.400%
43) trans-1,3-Dichloroprop...	8.177	79	49962	4.536	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.631	63	188687	47.315	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.620%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	91136	4.259	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	118175	5.561	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	2777	0.121	ug/L	95
5) Vinyl chloride	1.602	62	19199	0.940	ug/L	91
8) Chloroethane	1.930	64	2640	0.207	ug/L	88
12) 1,1-Dichloroethene	2.576	96	350229	22.137	ug/L #	69
14) Carbon disulfide	2.792	76	28181	0.637	ug/L	99
16) Methylene chloride	3.043	84	6234	0.291	ug/L	96
17) Methyl tert-butyl Ether	3.358	73	18346	0.467	ug/L	95
19) 1,1-Dichloroethane	3.862	63	517222	14.597	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	10405	0.569	ug/L	98
25) Chloroform	5.081	83	23058	0.628	ug/L	99
27) 1,2-Dichloroethane	5.801	62	6494	0.293	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	41308	1.202	ug/L	97
31) Carbon tetrachloride	5.306	117	4767	0.168	ug/L	83
33) Benzene	5.769	78	17632	0.215	ug/L	100
34) Trichloroethene	6.534	95	420161	19.541	ug/L	98
35) Methylcyclohexane	6.682	83	35929	1.257	ug/L #	16
42) Toluene	7.968	91	9649	0.120	ug/L	86
45) 1,1,2-Trichloroethane	8.399	97	3775	0.252	ug/L #	86
47) Tetrachloroethene	8.550	164	5824	0.408	ug/L	91

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Instrument :
MSVOA_U
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Quant Time: Jan 13 01:38:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 13 01:34:13 2024
Response via : Initial Calibration

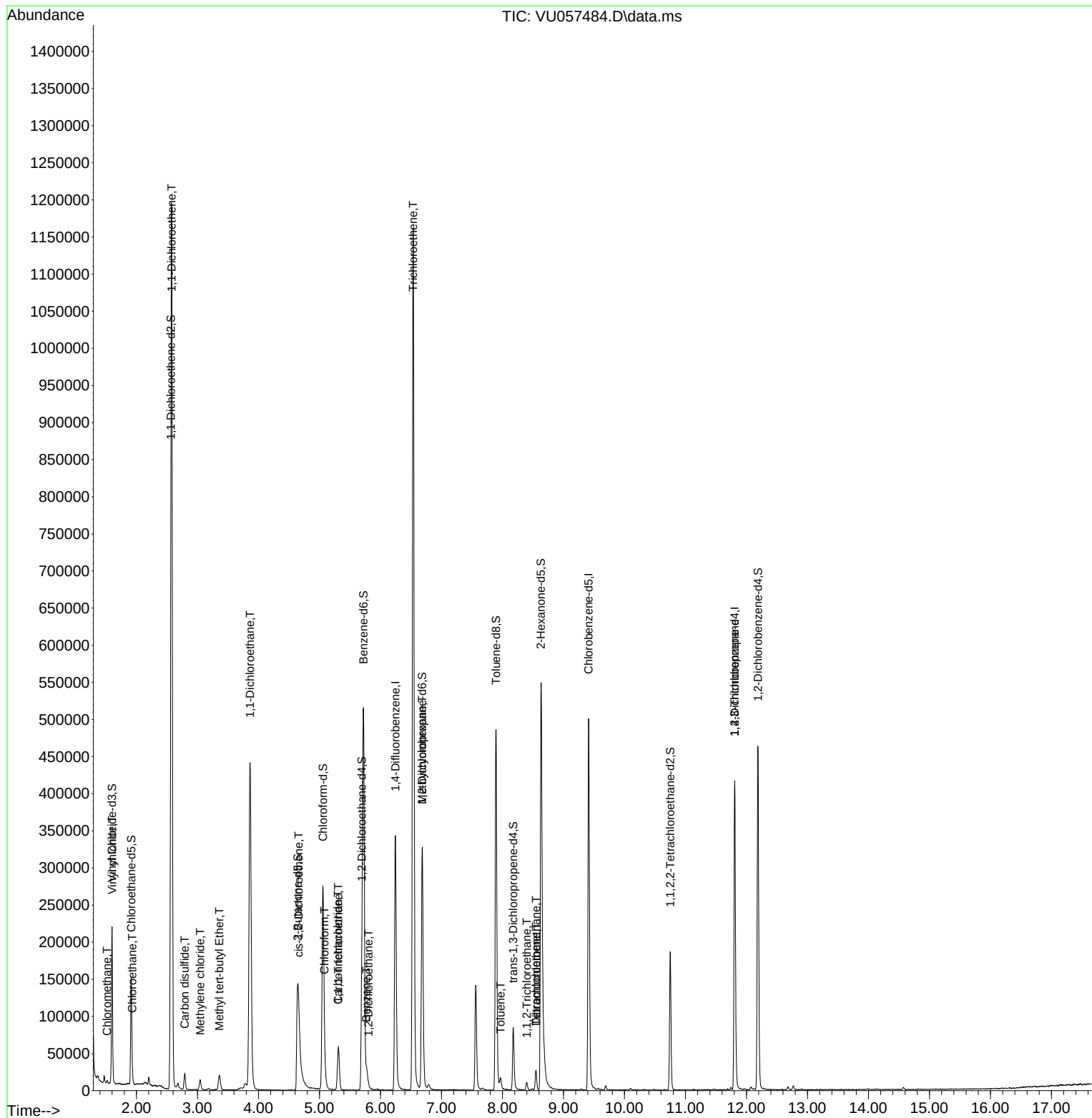
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.550	129	6525	0.406	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	14554	1.470	ug/L #	69

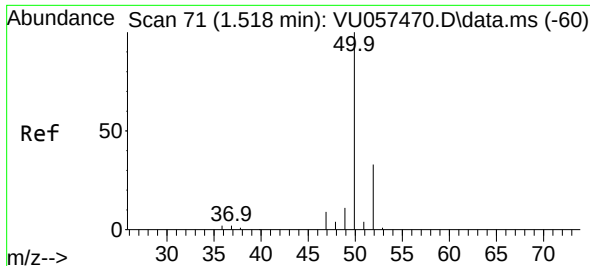
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 13 01:38:49 2024
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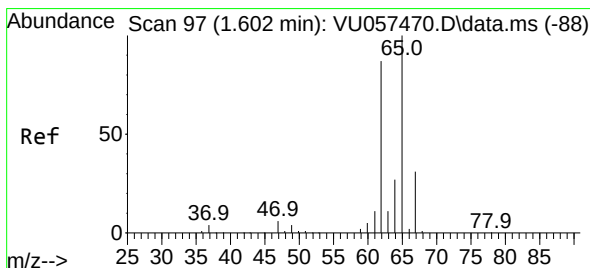
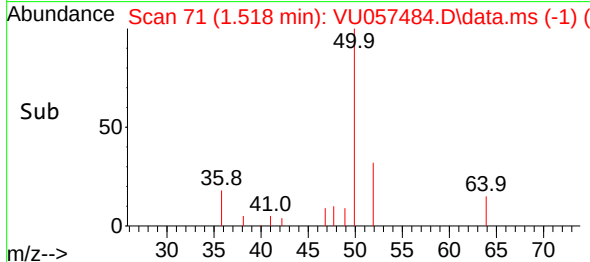
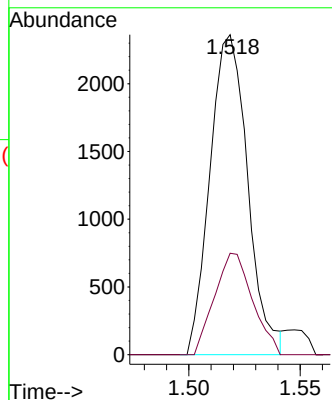
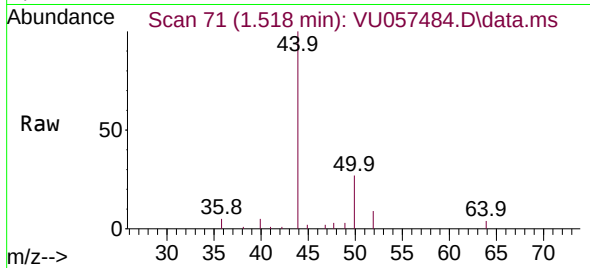




#3
Chloromethane
Concen: 0.121 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

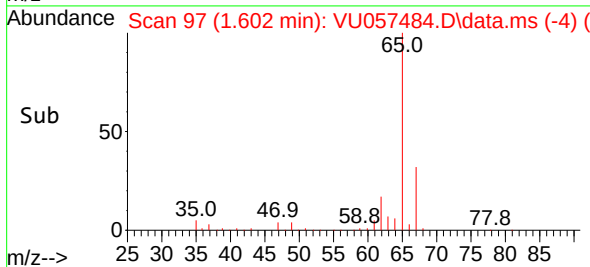
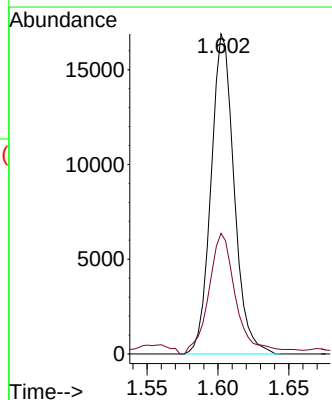
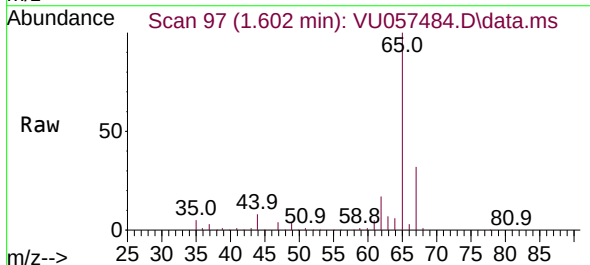
Instrument :
MSVOA_U
ClientSampleId :

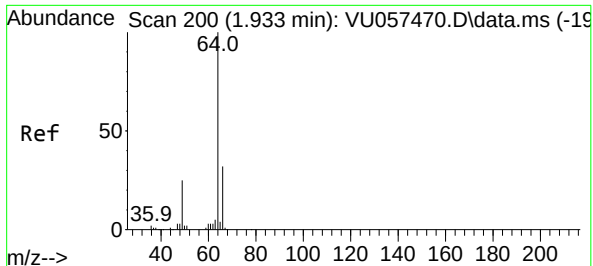
Tgt Ion: 50 Resp: 2777
Ion Ratio Lower Upper
50 100
52 31.7 24.1 44.7



#5
Vinyl chloride
Concen: 0.940 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

Tgt Ion: 62 Resp: 19199
Ion Ratio Lower Upper
62 100
64 37.7 22.9 42.5

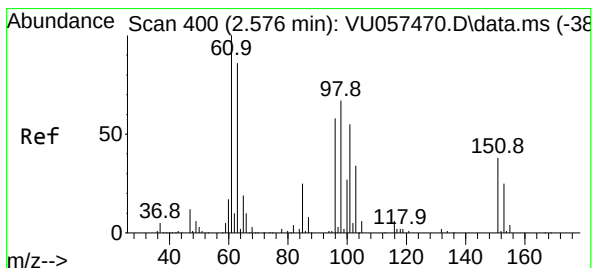
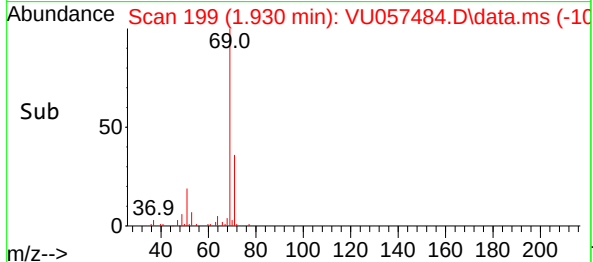
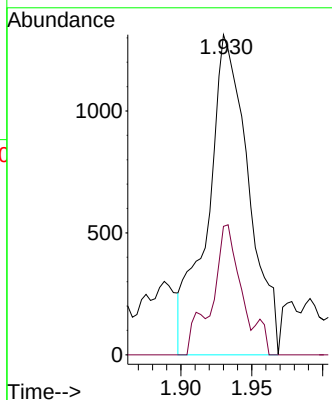
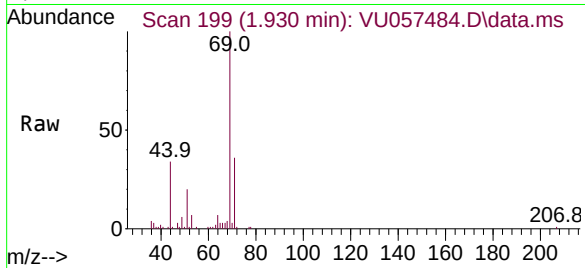




#8
Chloroethane
Concen: 0.207 ug/L
RT: 1.930 min Scan# 19
Delta R.T. -0.003 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

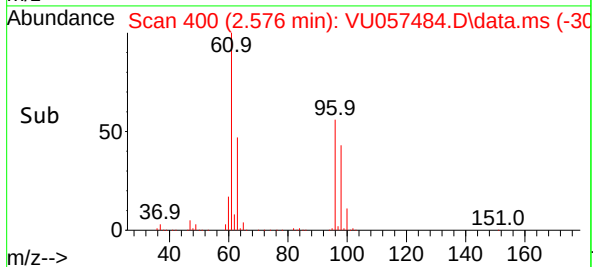
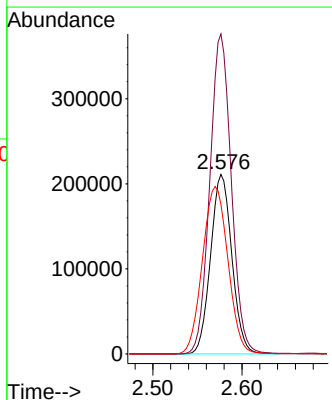
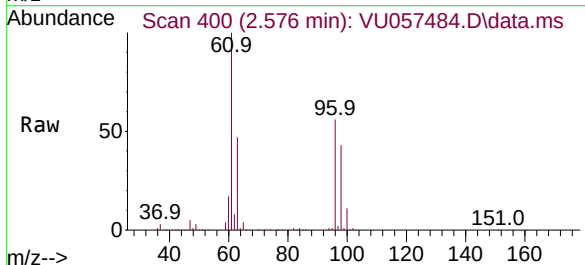
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ClientSampleId :

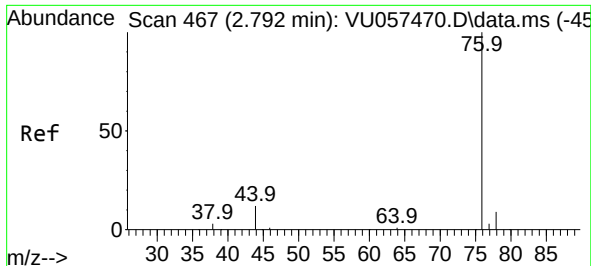
Tgt Ion: 64 Resp: 2640
Ion Ratio Lower Upper
64 100
66 40.1 23.3 43.3



#12
1,1-Dichloroethene
Concen: 22.137 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

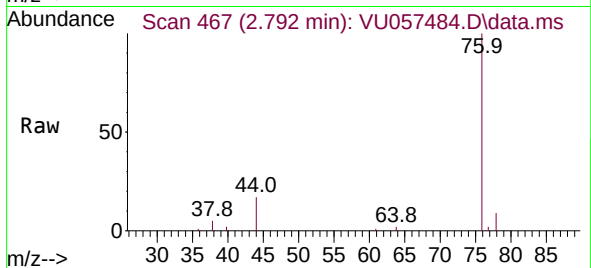
Tgt Ion: 96 Resp: 350229
Ion Ratio Lower Upper
96 100
61 178.2 130.9 243.1
63 83.3 114.8 213.2#



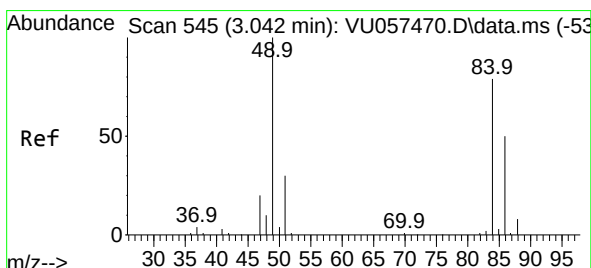
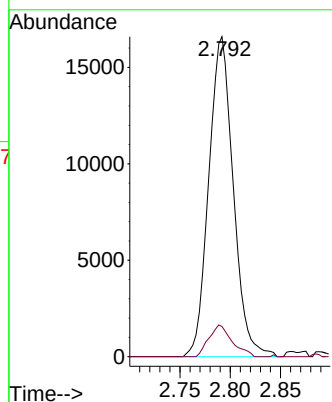
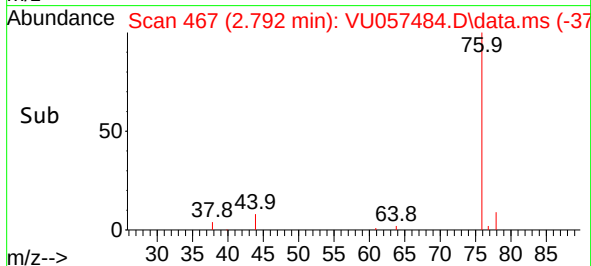


#14
Carbon disulfide
Concen: 0.637 ug/L
RT: 2.792 min Scan# 467
Delta R.T. 0.000 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

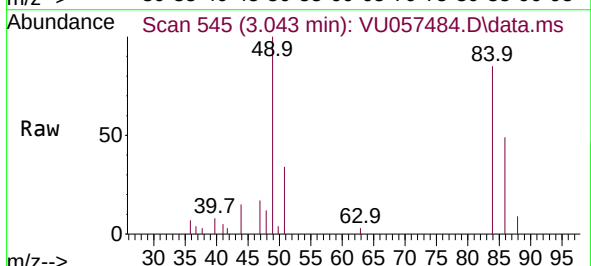
Instrument :
MSVOA_U
ClientSampleId :



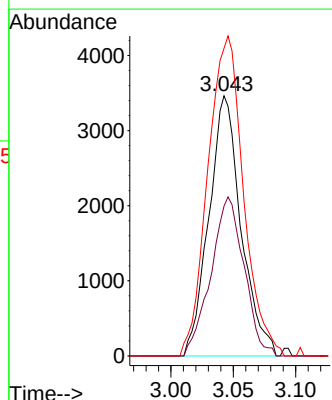
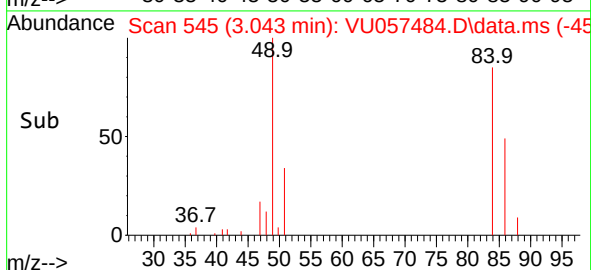
Tgt Ion: 76 Resp: 28181
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

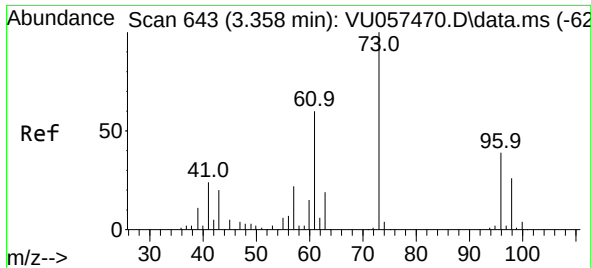


#16
Methylene chloride
Concen: 0.291 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53



Tgt Ion: 84 Resp: 6234
Ion Ratio Lower Upper
84 100
86 57.6 45.8 85.2
49 123.5 86.7 161.1





#17

Methyl tert-butyl Ether

Concen: 0.467 ug/L

RT: 3.358 min Scan# 64

Delta R.T. 0.000 min

Lab File: VU057484.D

Acq: 12 Jan 2024 15:53

Instrument :

MSVOA_U

ClientSampleId :

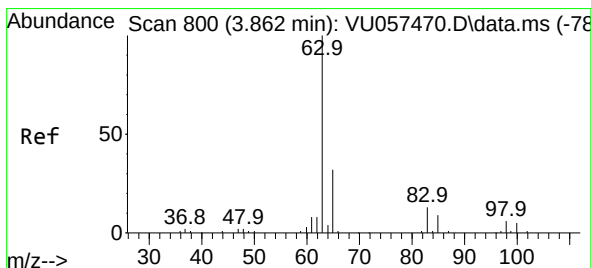
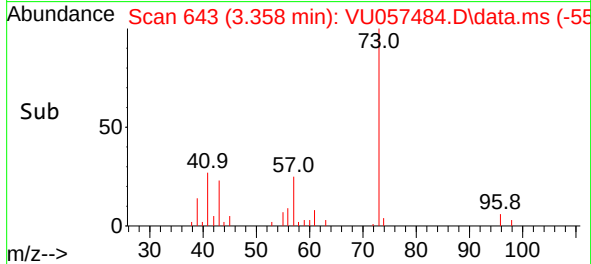
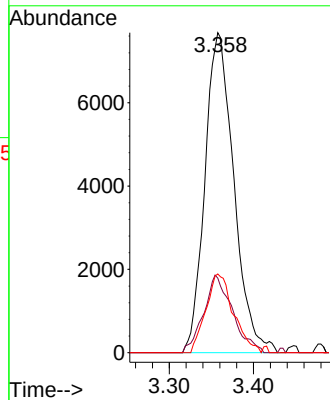
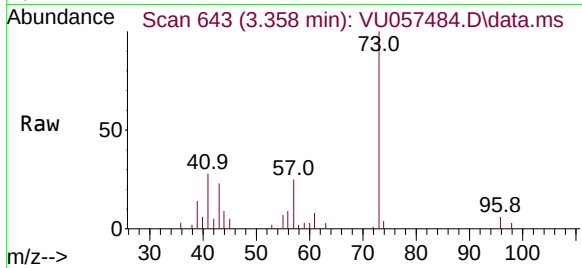
Tgt Ion: 73 Resp: 18346

Ion Ratio Lower Upper

73 100

43 24.1 16.1 24.1

57 23.4 18.2 27.4



#19

1,1-Dichloroethane

Concen: 14.597 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU057484.D

Acq: 12 Jan 2024 15:53

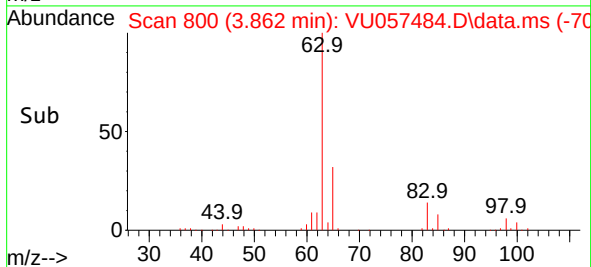
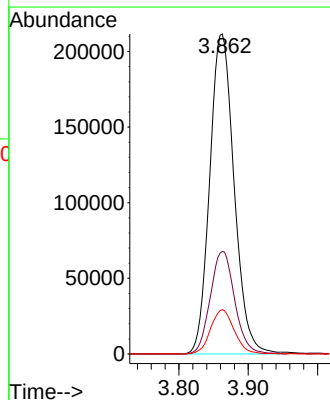
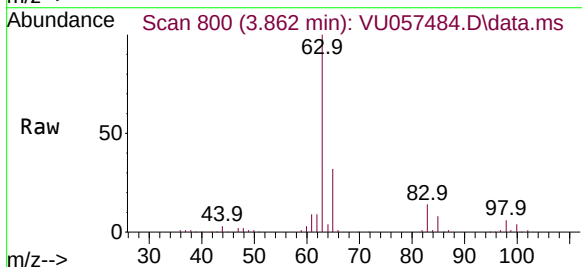
Tgt Ion: 63 Resp: 517222

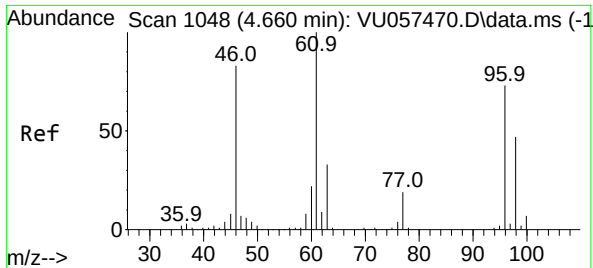
Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

83 13.9 9.1 16.9

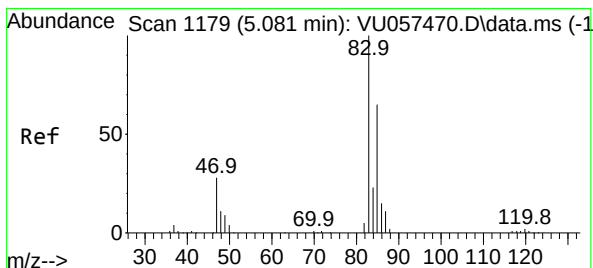
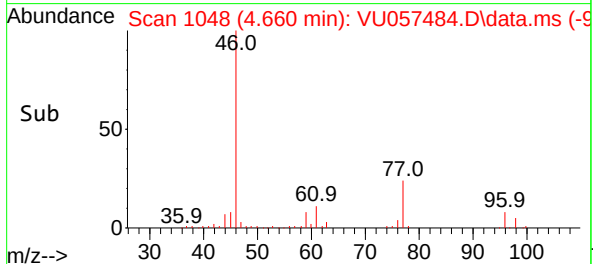
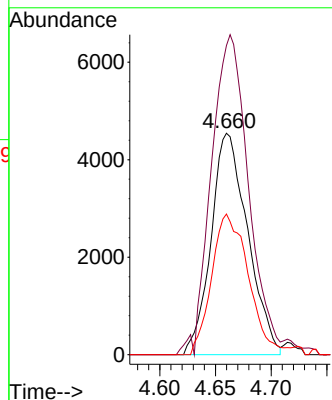
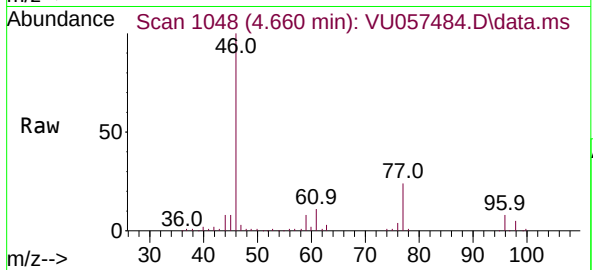




#22
 cis-1,2-Dichloroethene
 Concen: 0.569 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU057484.D
 Acq: 12 Jan 2024 15:53

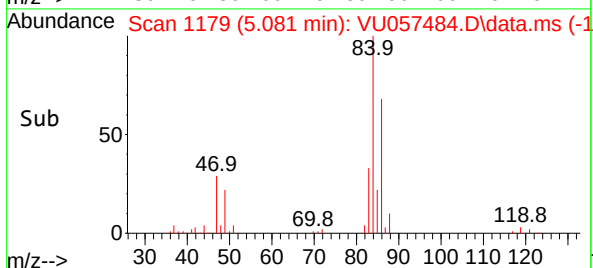
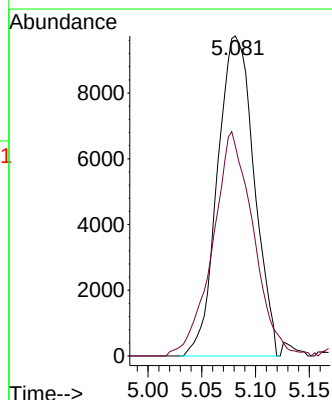
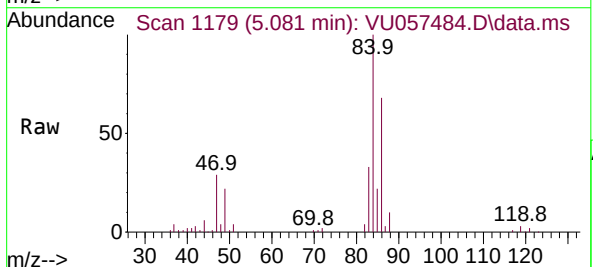
Instrument :
 MSVOA_U
 ClientSampleId :

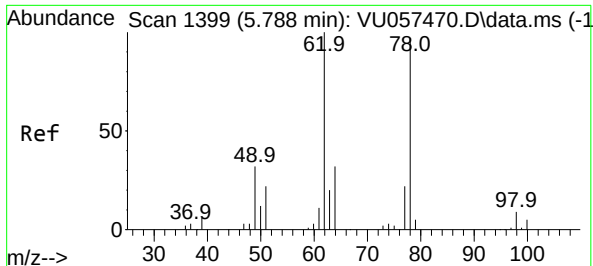
Tgt Ion: 96 Resp: 10405
 Ion Ratio Lower Upper
 96 100
 61 135.5 93.4 173.4
 98 61.6 44.9 83.3



#25
 Chloroform
 Concen: 0.628 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. 0.000 min
 Lab File: VU057484.D
 Acq: 12 Jan 2024 15:53

Tgt Ion: 83 Resp: 23058
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.7 86.7

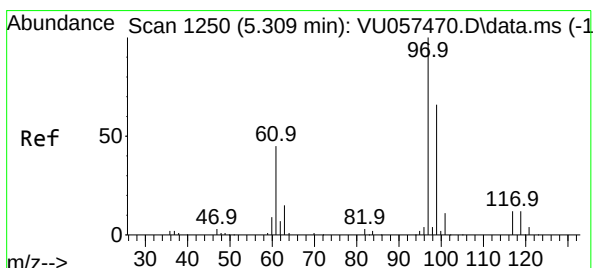
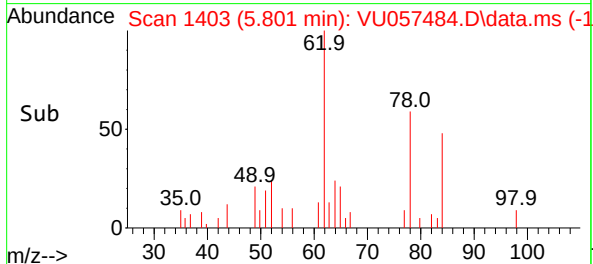
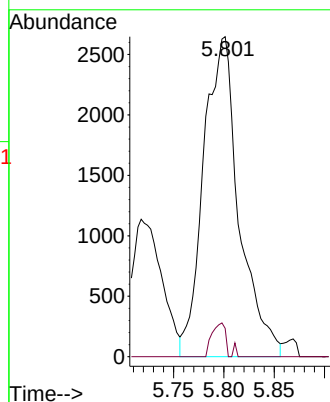
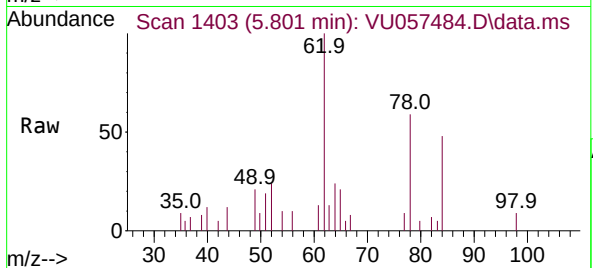




#27
1,2-Dichloroethane
Concen: 0.293 ug/L
RT: 5.801 min Scan# 1403
Delta R.T. 0.013 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

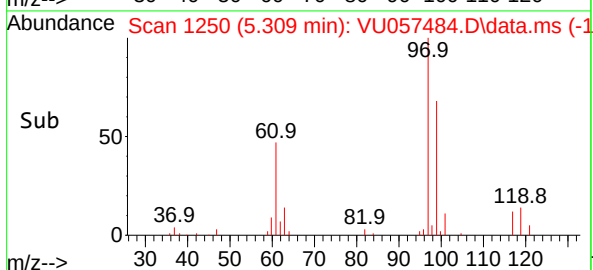
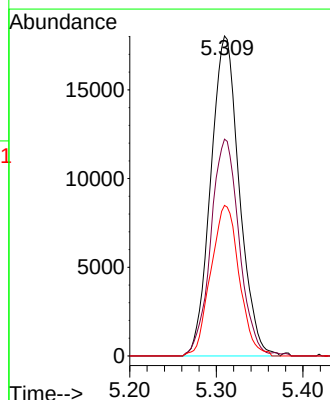
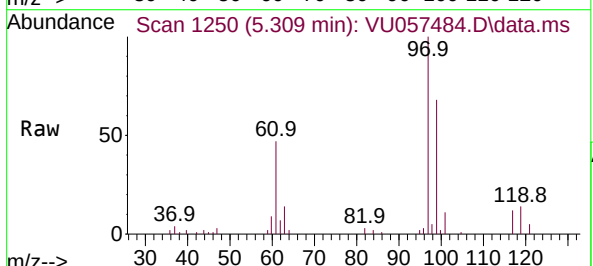
Instrument :
MSVOA_U
ClientSampleId :

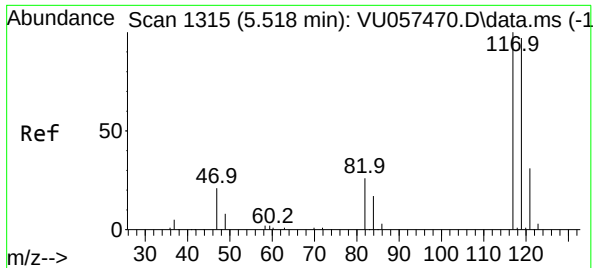
Tgt Ion: 62 Resp: 6494
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0



#29
1,1,1-Trichloroethane
Concen: 1.202 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

Tgt Ion: 97 Resp: 41308
Ion Ratio Lower Upper
97 100
99 67.2 51.4 77.0
61 46.8 36.9 55.3

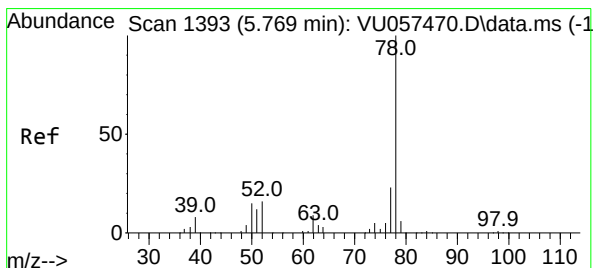
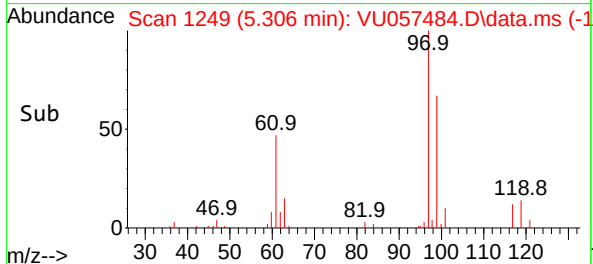
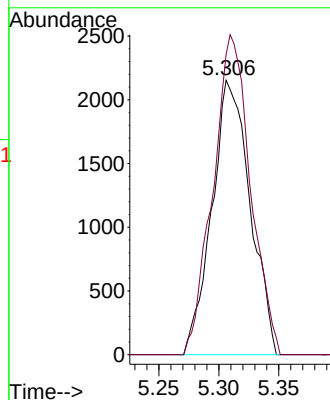
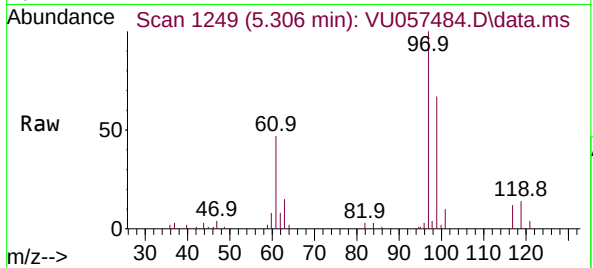




#31
Carbon tetrachloride
Concen: 0.168 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

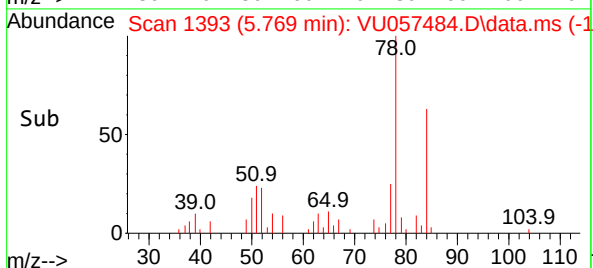
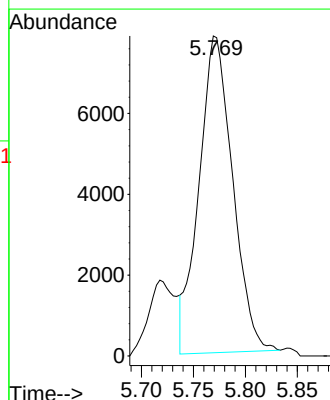
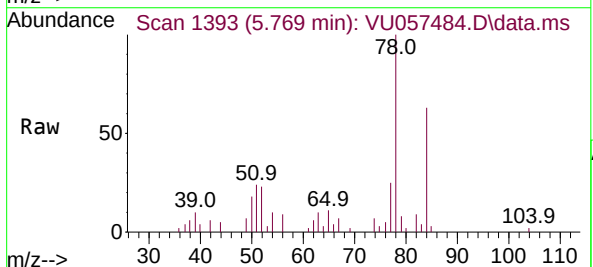
Instrument :
MSVOA_U
ClientSampleId :

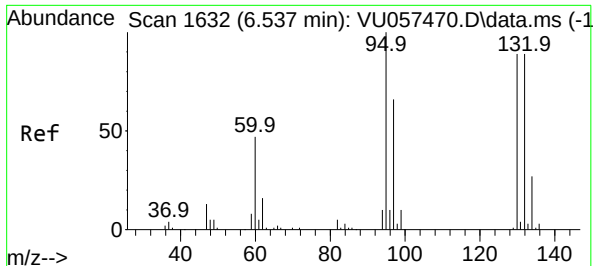
Tgt Ion:117 Resp: 4767
Ion Ratio Lower Upper
117 100
119 114.6 78.0 117.0



#33
Benzene
Concen: 0.215 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

Tgt Ion: 78 Resp: 17632

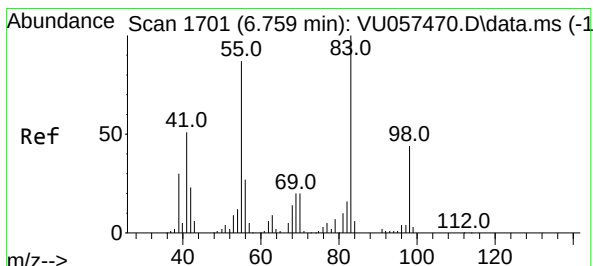
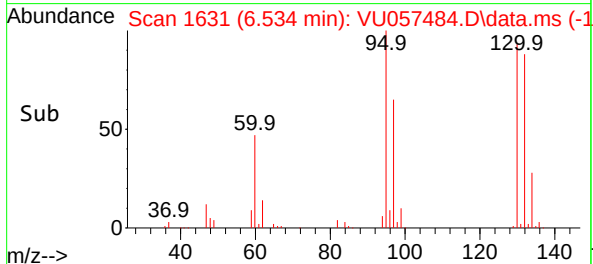
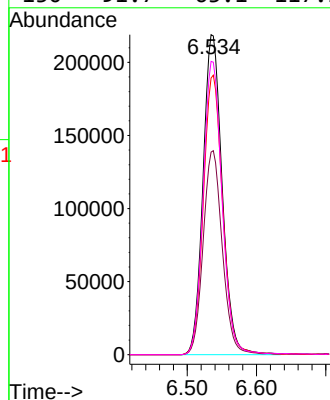
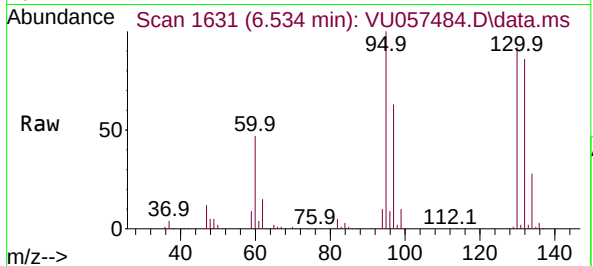




#34
Trichloroethene
Concen: 19.541 ug/L
RT: 6.534 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

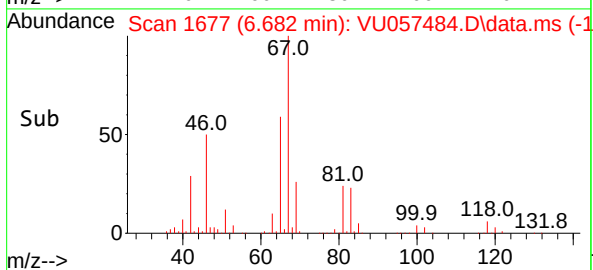
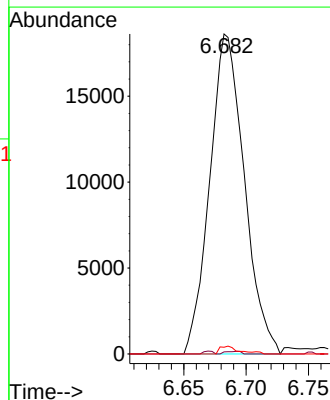
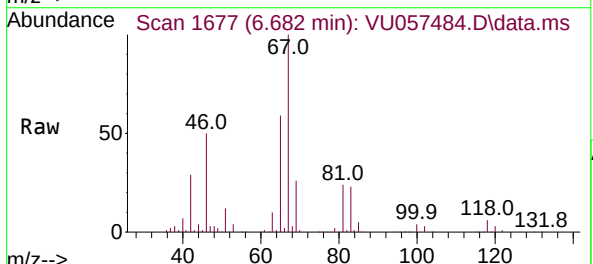
Instrument :
MSVOA_U
ClientSampleId :

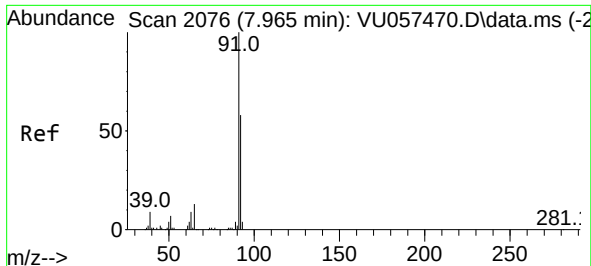
Tgt Ion: 95 Resp: 420161
Ion Ratio Lower Upper
95 100
97 63.3 45.0 83.6
132 86.5 61.7 114.5
130 91.7 63.1 117.3



#35
Methylcyclohexane
Concen: 1.257 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.077 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

Tgt Ion: 83 Resp: 35929
Ion Ratio Lower Upper
83 100
55 0.4 68.7 103.1#
98 1.4 36.3 54.5#





#42

Toluene

Concen: 0.120 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057484.D

Acq: 12 Jan 2024 15:53

Instrument :

MSVOA_U

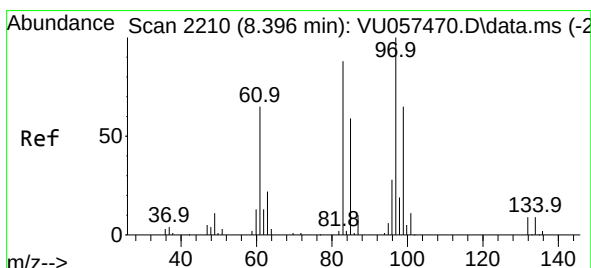
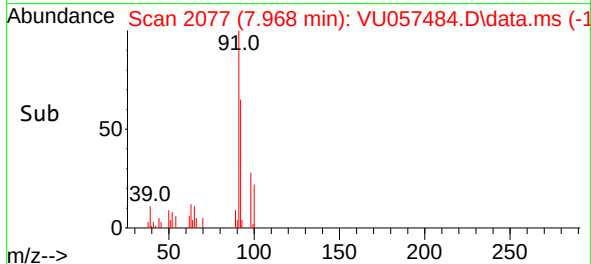
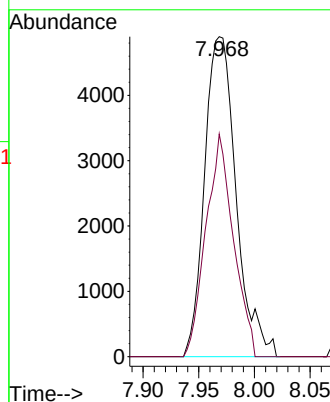
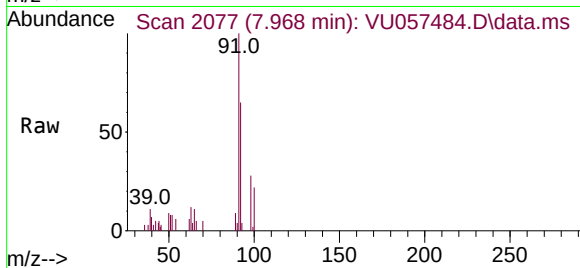
ClientSampleId :

Tgt Ion: 91 Resp: 9649

Ion Ratio Lower Upper

91 100

92 69.6 41.2 76.4



#45

1,1,2-Trichloroethane

Concen: 0.252 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VU057484.D

Acq: 12 Jan 2024 15:53

Tgt Ion: 97 Resp: 3775

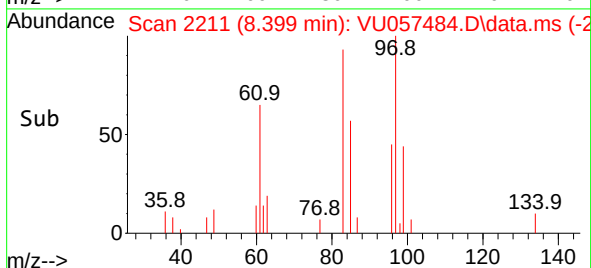
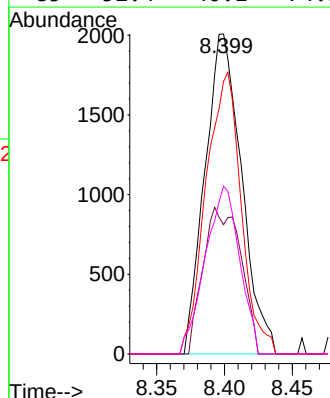
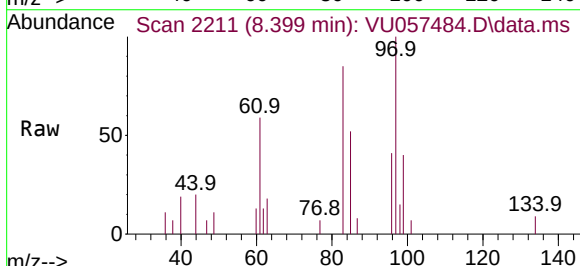
Ion Ratio Lower Upper

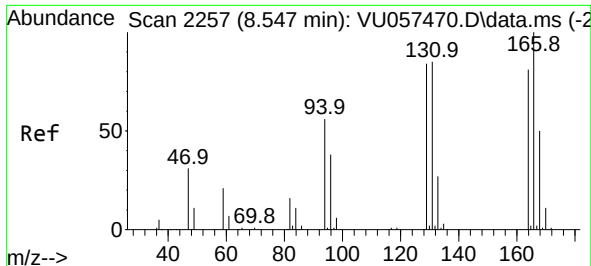
97 100

99 40.4 45.5 84.5#

83 85.2 63.8 118.6

85 52.4 40.1 74.5

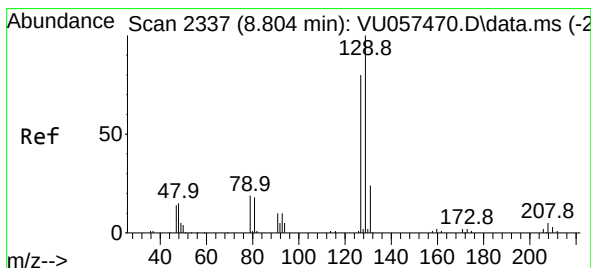
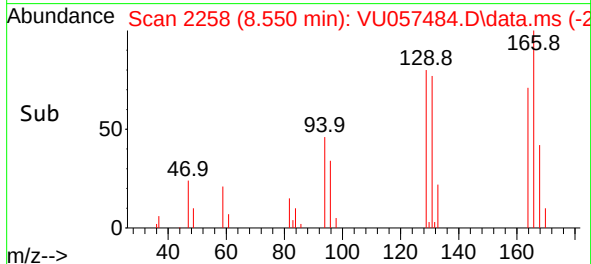
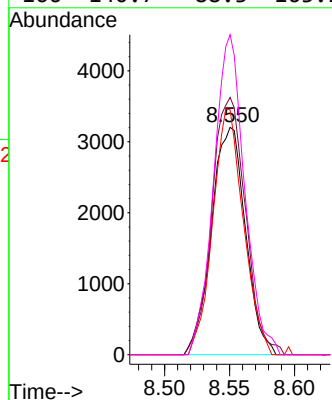
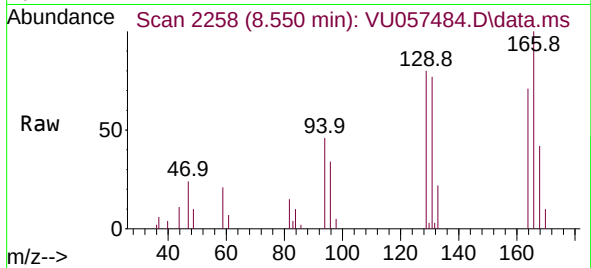




#47
Tetrachloroethene
Concen: 0.408 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

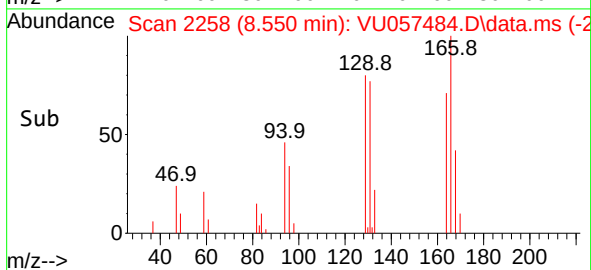
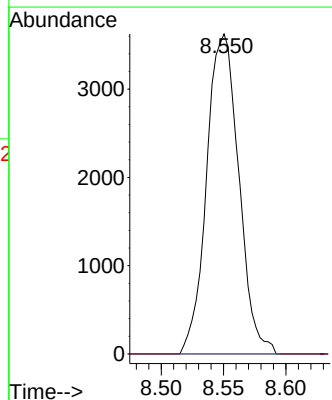
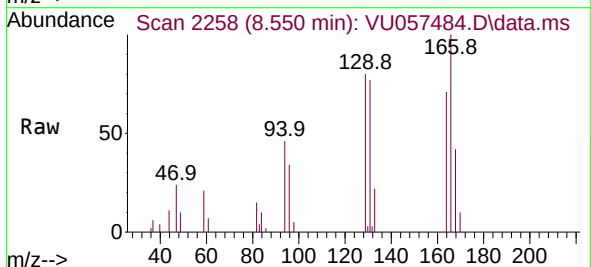
Instrument :
MSVOA_U
ClientSampleId :

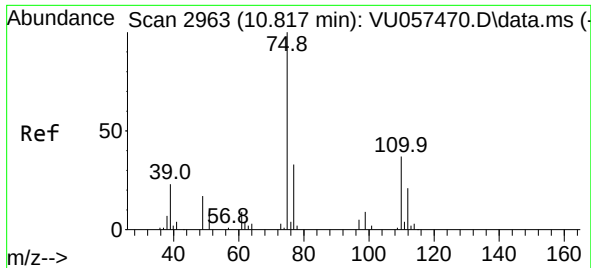
Tgt Ion:164 Resp: 5824
Ion Ratio Lower Upper
164 100
129 113.1 74.8 138.8
131 107.7 70.3 130.7
166 140.7 88.3 163.9



#49
Dibromochloromethane
Concen: 0.406 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

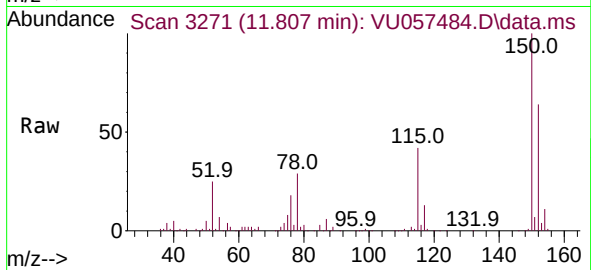
Tgt Ion:129 Resp: 6525
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#61
1,2,3-Trichloropropane
Concen: 1.470 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU057484.D
Acq: 12 Jan 2024 15:53

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 14554
Ion Ratio Lower Upper
75 100
110 2.1 29.4 44.0#
77 33.2 26.2 39.4

