

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011524\
 Data File : VU057530.D
 Acq On : 15 Jan 2024 15:24
 Operator : MD/SY
 Sample : P1120-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 00:36:11 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	6.242	114	250301	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	254965	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97373	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	128392	5.056	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.200%
7) Chloroethane-d5	1.914	69	106968	5.413	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.200%
11) 1,1-Dichloroethene-d2	2.563	65	52444	4.884	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.637	46	212953	44.332	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.660%
24) Chloroform-d	5.055	84	239516	5.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
26) 1,2-Dichloroethane-d4	5.695	65	117427	5.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.200%
32) Benzene-d6	5.721	84	447280	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.682	67	147916	5.102	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.894	98	282162	3.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.800%
43) trans-1,3-Dichloroprop...	8.177	79	36056	3.577	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.600%
46) 2-Hexanone-d5	8.631	63	114382	31.341	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	62.680%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	96693	4.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	108739	5.561	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	140405	7.435	ug/L	100
8) Chloroethane	1.933	64	13238	1.124	ug/L	94
12) 1,1-Dichloroethene	2.576	96	400457	27.383	ug/L #	68
13) Acetone	2.660	43	19019	6.586	ug/L	97
14) Carbon disulfide	2.792	76	22470	0.550	ug/L	99
15) Methyl Acetate	2.959	43	22066	3.380	ug/L	97
16) Methylene chloride	3.049	84	3558	0.180	ug/L	84
17) Methyl tert-butyl Ether	3.354	73	15394	0.424	ug/L	96
18) trans-1,2-Dichloroethene	3.351	96	84407	5.815	ug/L	99
19) 1,1-Dichloroethane	3.862	63	739458	22.577	ug/L	99
21) 2-Butanone	4.734	43	24371	5.966	ug/L	86
22) cis-1,2-Dichloroethene	4.660	96	101296	5.994	ug/L	97
27) 1,2-Dichloroethane	5.792	62	17474	0.854	ug/L #	94
34) Trichloroethene	6.534	95	541249	27.505	ug/L	99
35) Methylcyclohexane	6.682	83	33768	1.291	ug/L #	15
37) 1,2-Dichloropropane	6.788	63	5009	0.236	ug/L #	92
49) Dibromochloromethane	8.553	129	2903	0.197	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	13172	1.446	ug/L #	68

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Quant Time: Jan 16 00:36:11 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

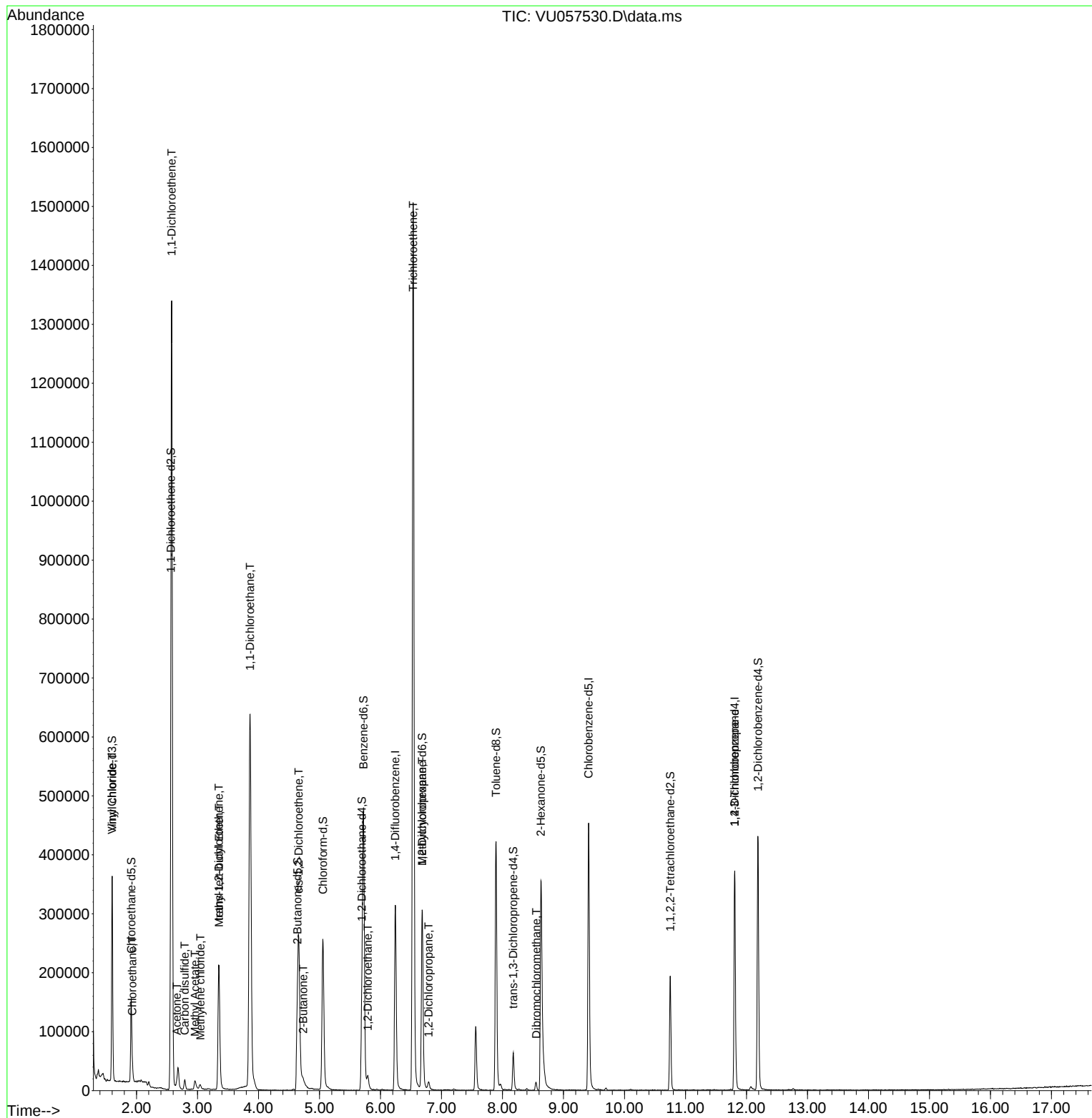
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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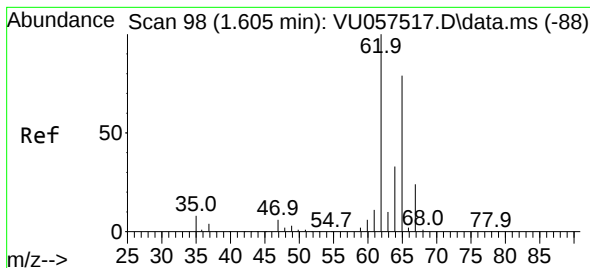
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.435 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU057530.D

Acq: 15 Jan 2024 15:24

Instrument :

MSVOA_U

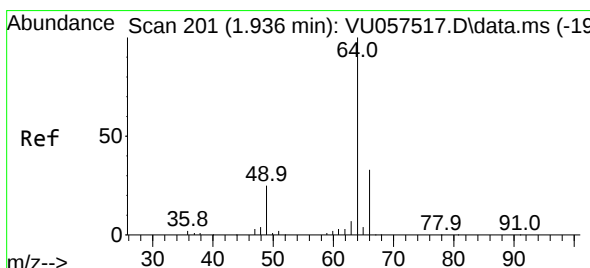
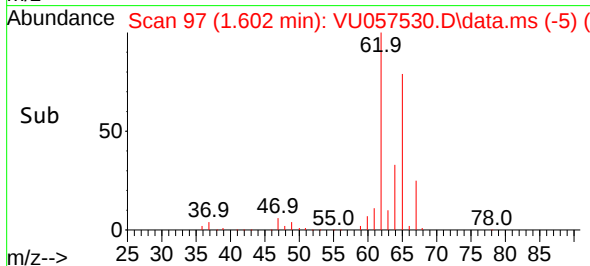
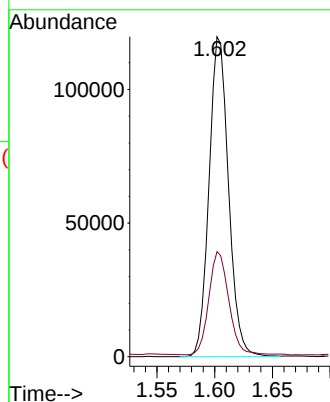
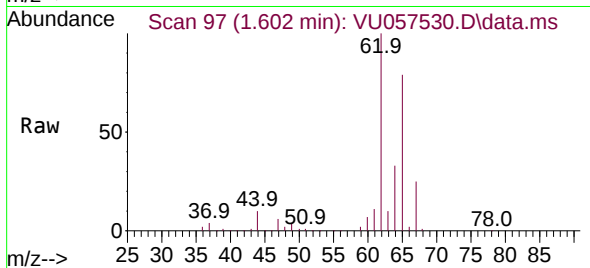
ClientSampleId :

Tgt Ion: 62 Resp: 140405

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#8

Chloroethane

Concen: 1.124 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.003 min

Lab File: VU057530.D

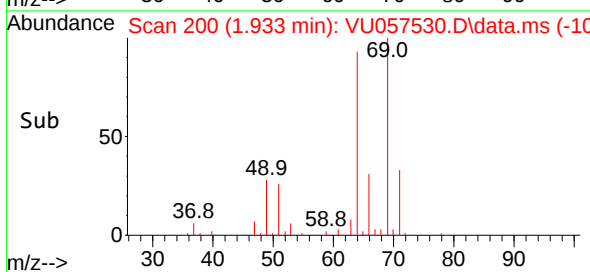
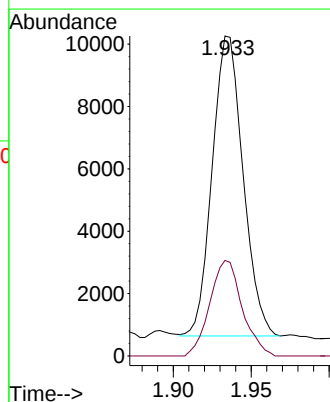
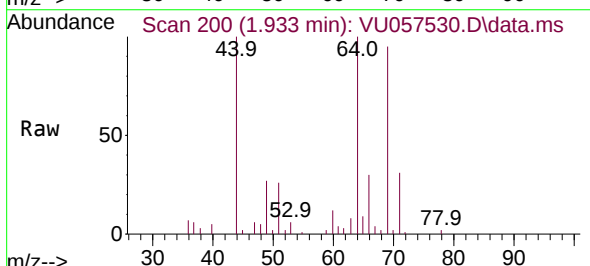
Acq: 15 Jan 2024 15:24

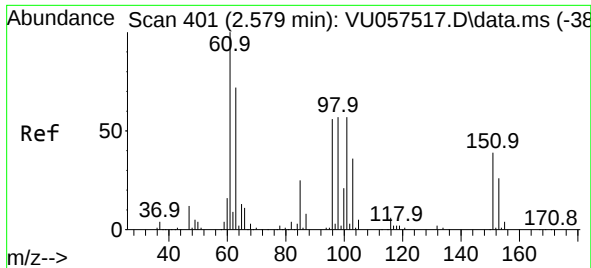
Tgt Ion: 64 Resp: 13238

Ion Ratio Lower Upper

64 100

66 29.9 23.3 43.3





#12

1,1-Dichloroethene

Concen: 27.383 ug/L

RT: 2.576 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU057530.D

Acq: 15 Jan 2024 15:24

Instrument :

MSVOA_U

ClientSampleId :

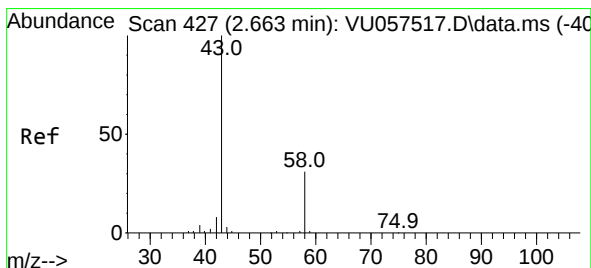
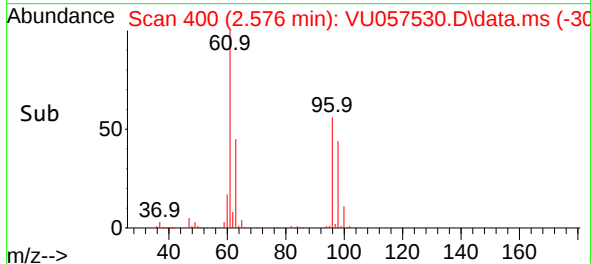
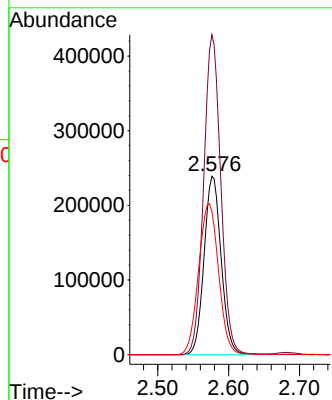
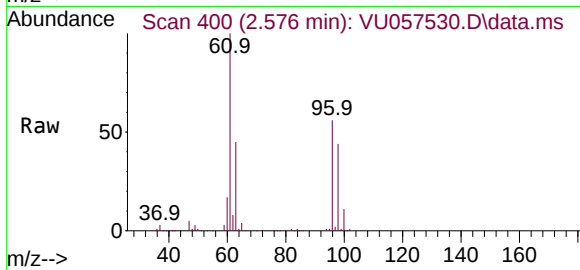
Tgt Ion: 96 Resp: 400457

Ion Ratio Lower Upper

96 100

61 179.4 130.9 243.1

63 80.3 114.8 213.2#



#13

Acetone

Concen: 6.586 ug/L

RT: 2.660 min Scan# 426

Delta R.T. -0.003 min

Lab File: VU057530.D

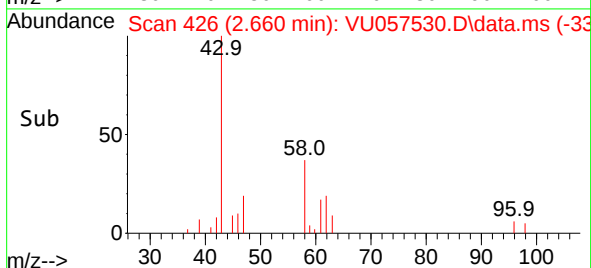
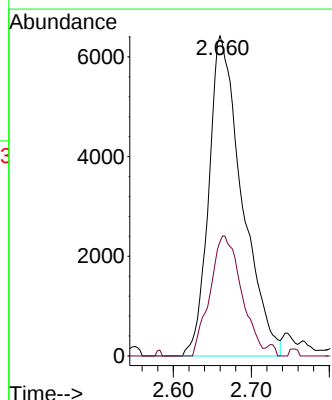
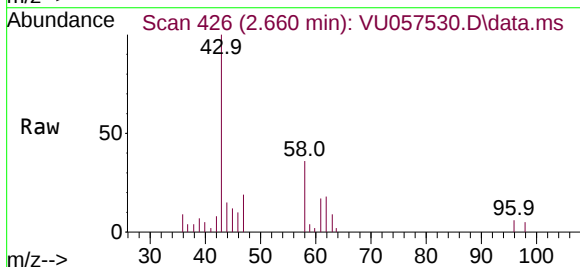
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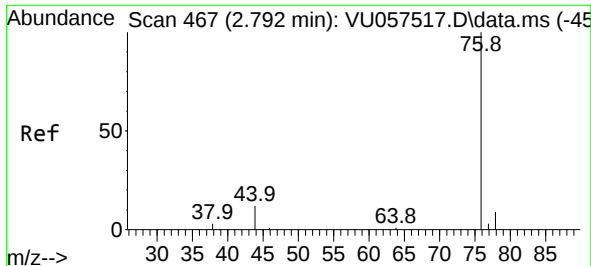
Tgt Ion: 43 Resp: 19019

Ion Ratio Lower Upper

43 100

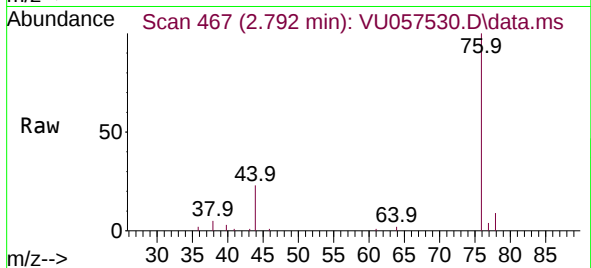
58 35.5 0.0 67.8



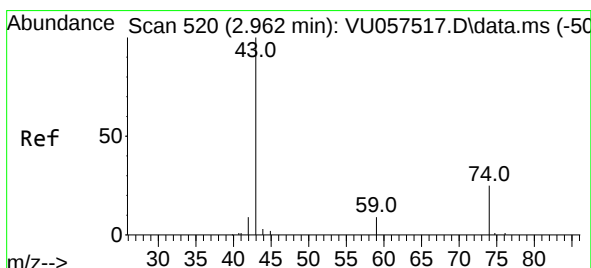
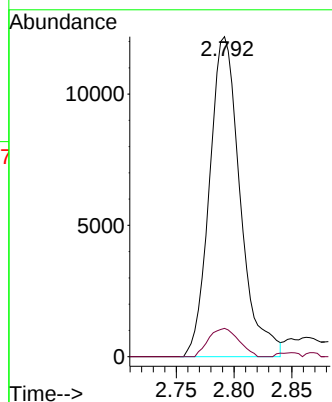
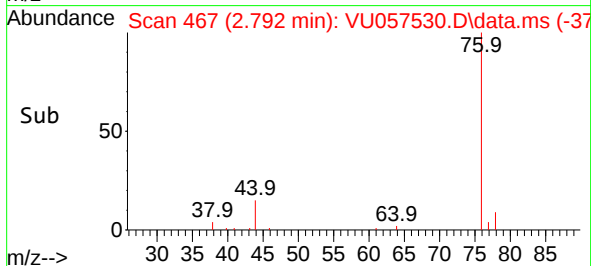


#14
Carbon disulfide
Concen: 0.550 ug/L
RT: 2.792 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

Instrument :
MSVOA_U
ClientSampleId :

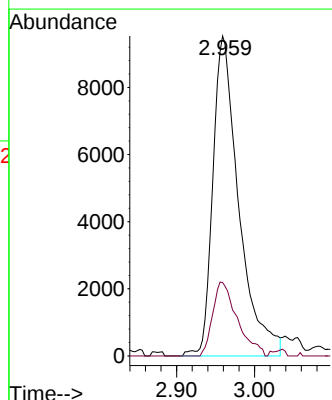
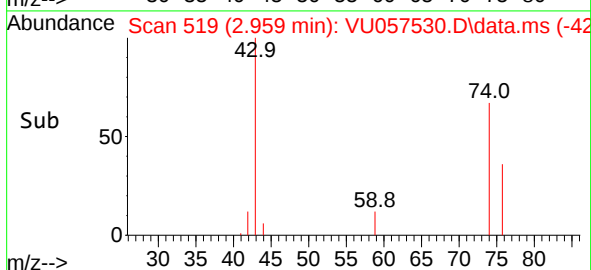
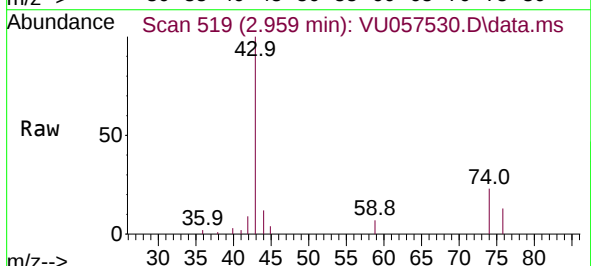


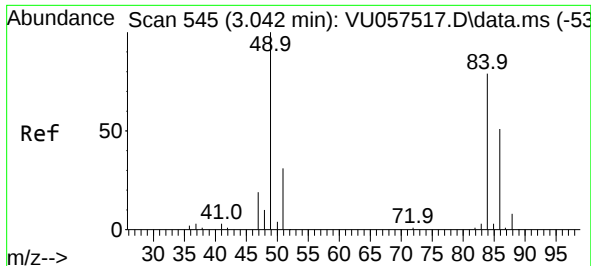
Tgt Ion: 76 Resp: 22470
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#15
Methyl Acetate
Concen: 3.380 ug/L
RT: 2.959 min Scan# 519
Delta R.T. -0.003 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

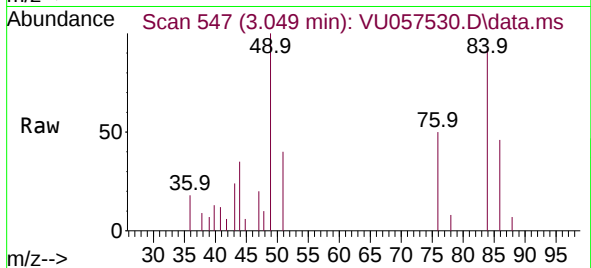
Tgt Ion: 43 Resp: 22066
Ion Ratio Lower Upper
43 100
74 21.9 18.6 27.8



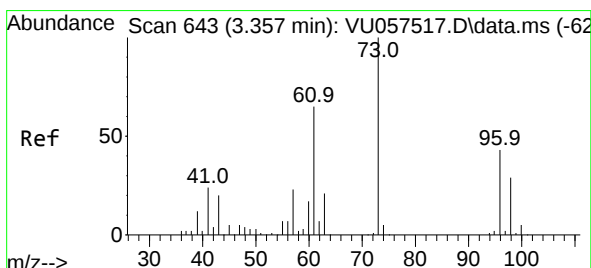
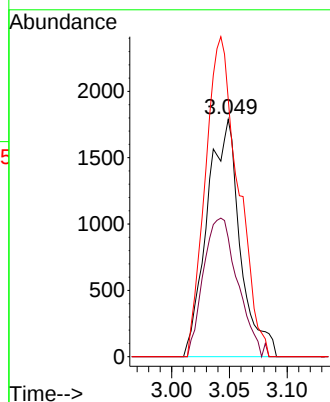
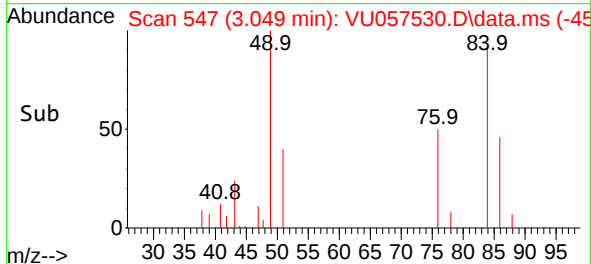


#16
Methylene chloride
Concen: 0.180 ug/L
RT: 3.049 min Scan# 545
Delta R.T. 0.007 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

Instrument :
MSVOA_U
ClientSampleId :

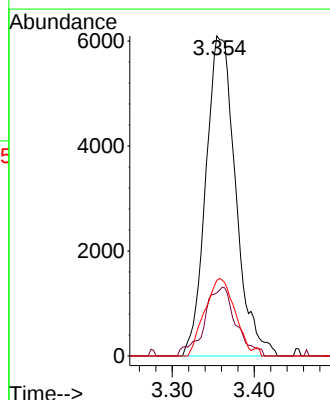
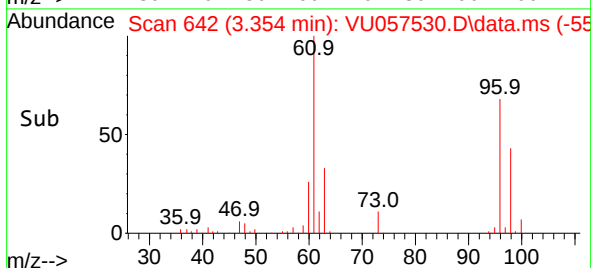
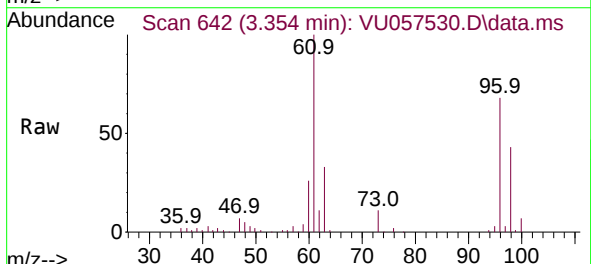


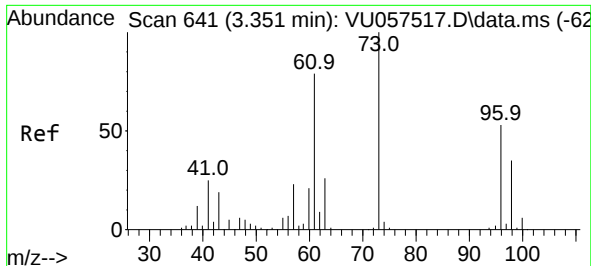
Tgt Ion: 84 Resp: 3558
Ion Ratio Lower Upper
84 100
86 50.1 45.8 85.2
49 108.7 86.7 161.1



#17
Methyl tert-butyl Ether
Concen: 0.424 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

Tgt Ion: 73 Resp: 15394
Ion Ratio Lower Upper
73 100
43 22.6 16.1 24.1
57 24.3 18.2 27.4

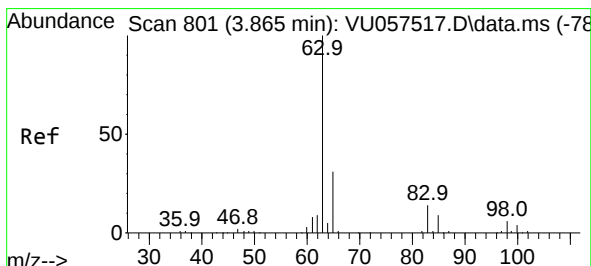
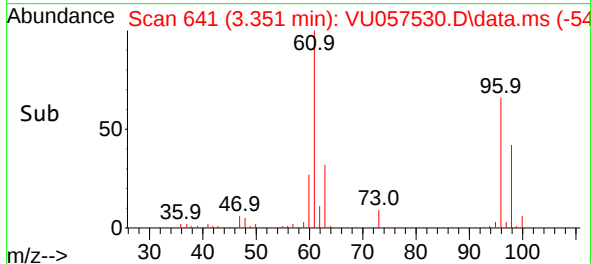
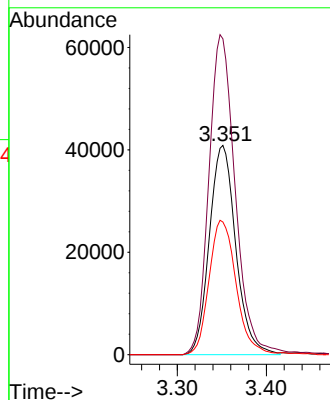
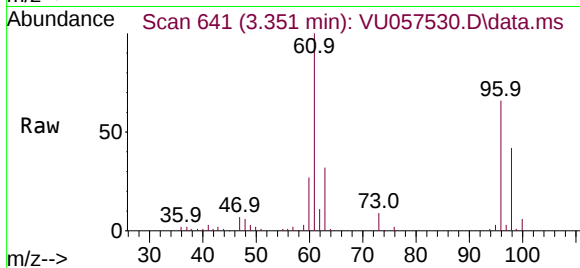




#18
trans-1,2-Dichloroethene
Concen: 5.815 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

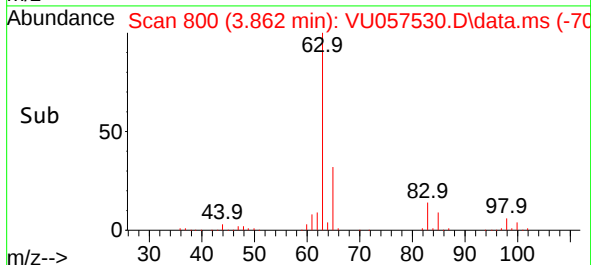
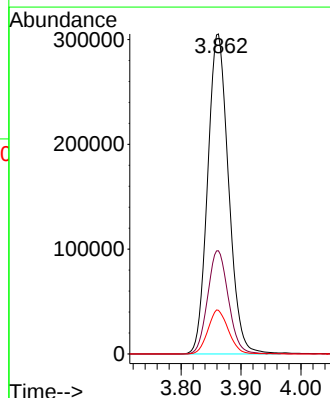
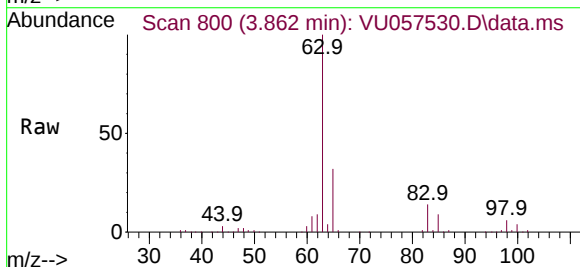
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MSVOA_U
ClientSampleId :

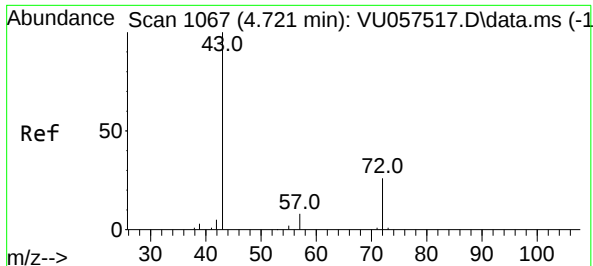
Tgt Ion: 96 Resp: 84407
Ion Ratio Lower Upper
96 100
61 150.9 105.1 195.3
98 63.4 43.7 81.1



#19
1,1-Dichloroethane
Concen: 22.577 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.003 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

Tgt Ion: 63 Resp: 739458
Ion Ratio Lower Upper
63 100
65 32.2 22.3 41.3
83 13.7 9.1 16.9

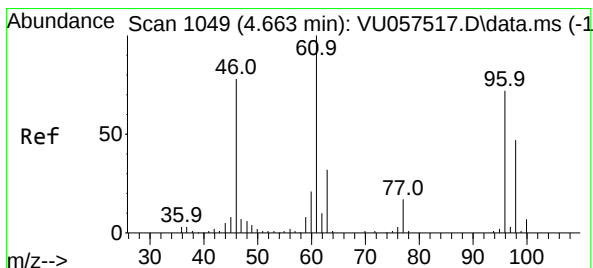
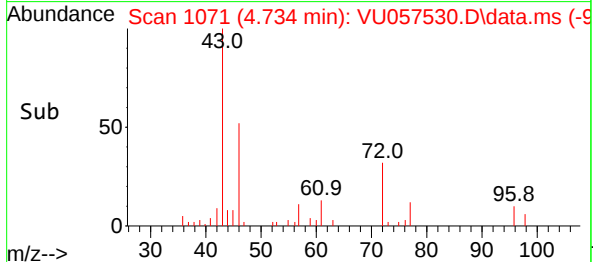
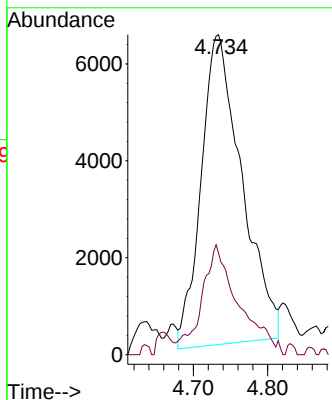
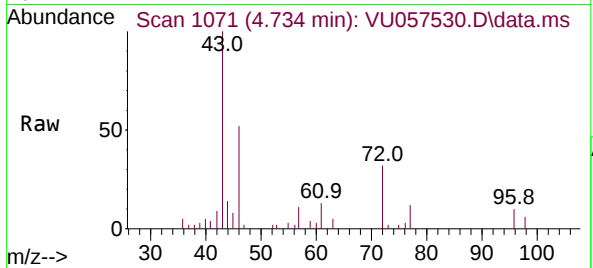




#21
2-Butanone
Concen: 5.966 ug/L
RT: 4.734 min Scan# 1067
Delta R.T. 0.013 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

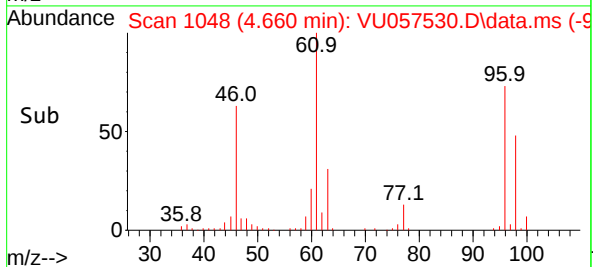
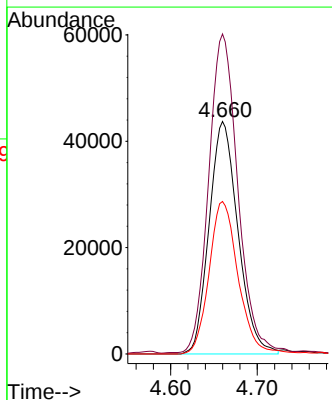
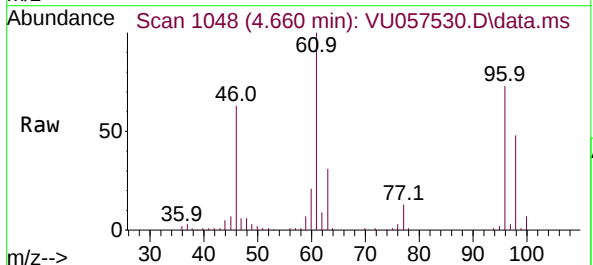
Instrument :
MSVOA_U
ClientSampleId :

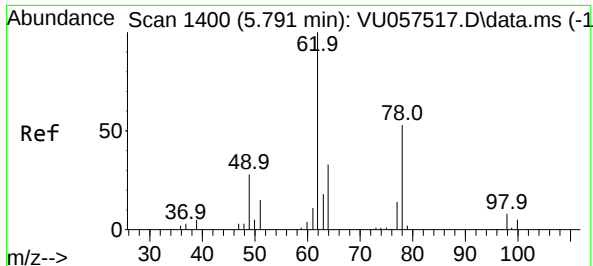
Tgt Ion: 43 Resp: 24371
Ion Ratio Lower Upper
43 100
72 32.4 12.7 38.0



#22
cis-1,2-Dichloroethene
Concen: 5.994 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

Tgt Ion: 96 Resp: 101296
Ion Ratio Lower Upper
96 100
61 137.6 93.4 173.4
98 65.6 44.9 83.3

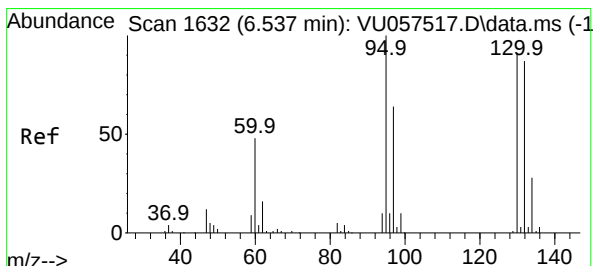
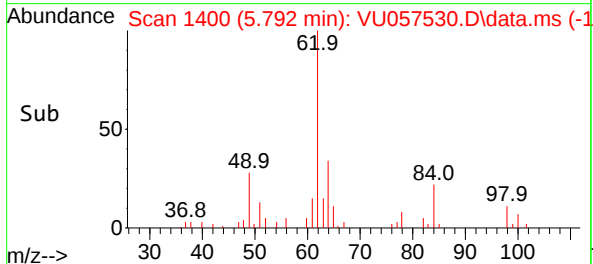
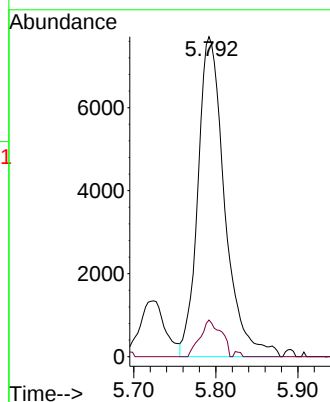
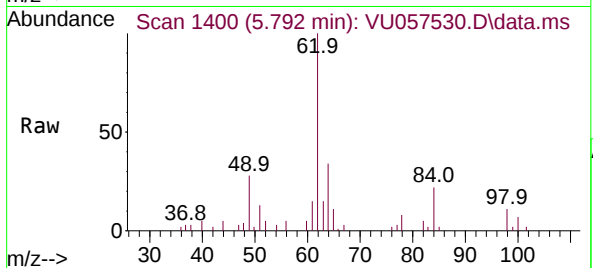




#27
1,2-Dichloroethane
Concen: 0.854 ug/L
RT: 5.792 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

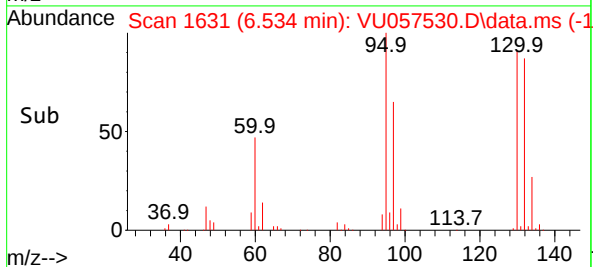
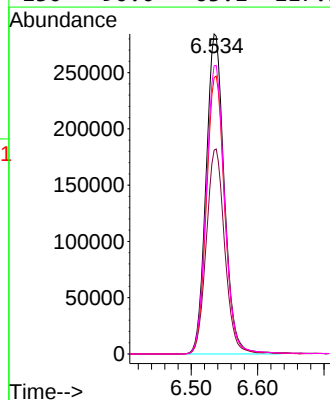
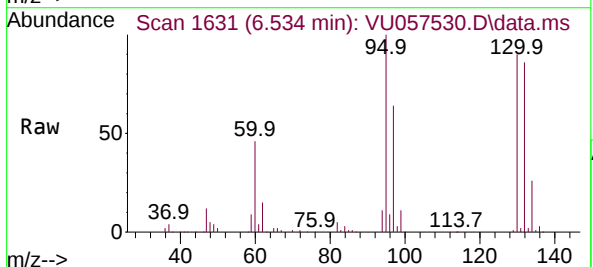
Instrument :
MSVOA_U
ClientSampleId :

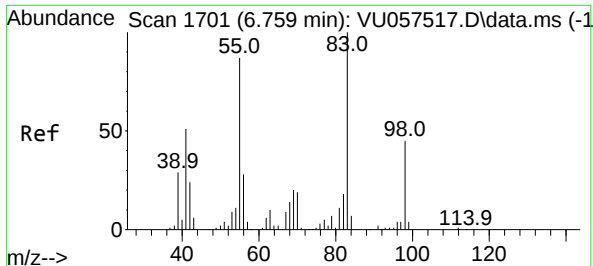
Tgt Ion: 62 Resp: 17474
Ion Ratio Lower Upper
62 100
98 11.5 7.4 11.0#



#34
Trichloroethene
Concen: 27.505 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057530.D
Acq: 15 Jan 2024 15:24

Tgt Ion: 95 Resp: 541249
Ion Ratio Lower Upper
95 100
97 63.7 45.0 83.6
132 86.4 61.7 114.5
130 90.0 63.1 117.3





#35

Methylcyclohexane

Concen: 1.291 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU057530.D

Acq: 15 Jan 2024 15:24

Instrument :

MSVOA_U

ClientSampleId :

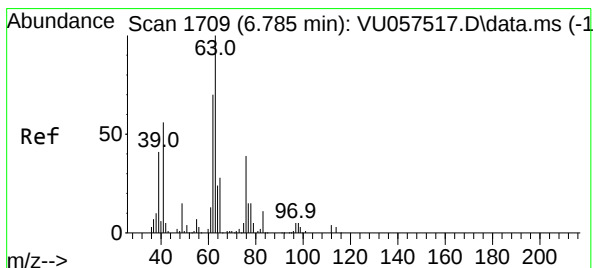
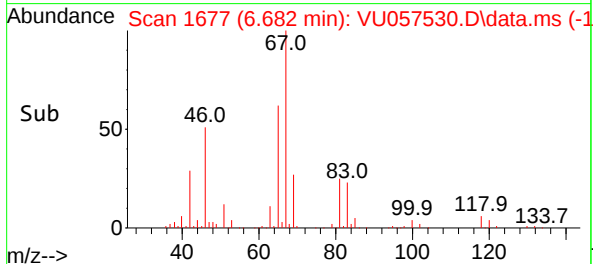
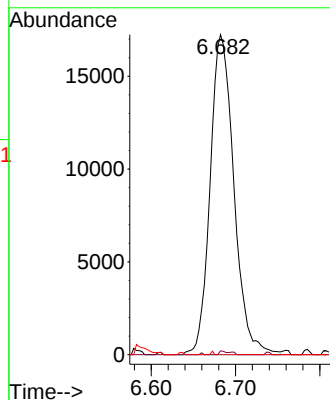
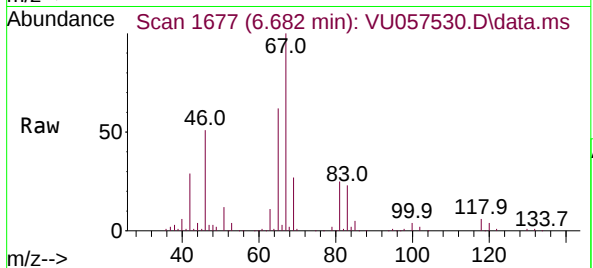
Tgt Ion: 83 Resp: 33768

Ion Ratio Lower Upper

83 100

55 0.5 68.7 103.1#

98 0.0 36.3 54.5#



#37

1,2-Dichloropropane

Concen: 0.236 ug/L

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU057530.D

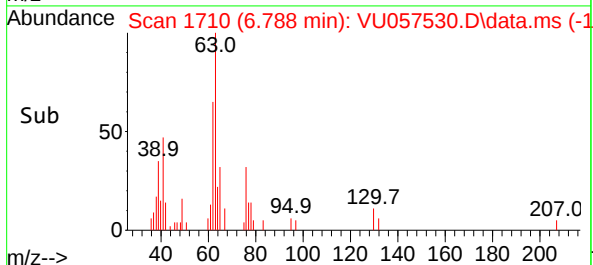
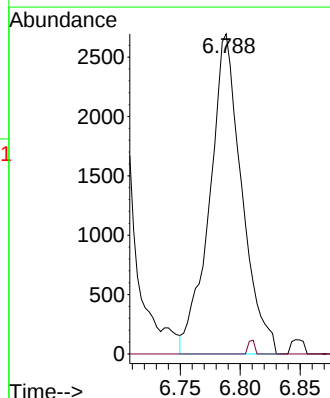
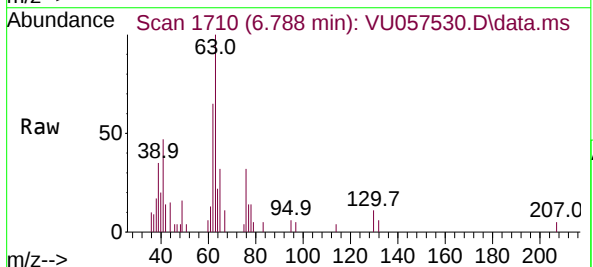
Acq: 15 Jan 2024 15:24

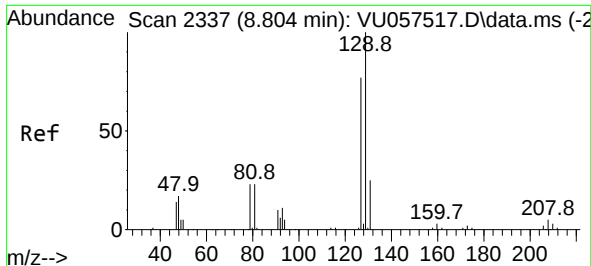
Tgt Ion: 63 Resp: 5009

Ion Ratio Lower Upper

63 100

112 0.9 2.7 4.1#





#49

Dibromochloromethane

Concen: 0.197 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU057530.D

Acq: 15 Jan 2024 15:24

Instrument :

MSVOA_U

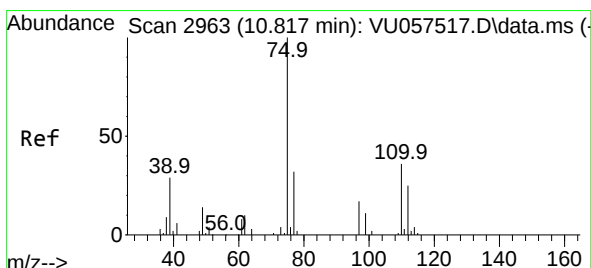
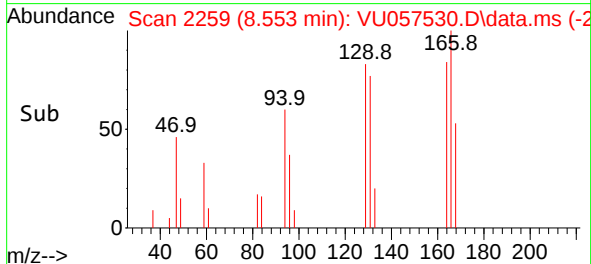
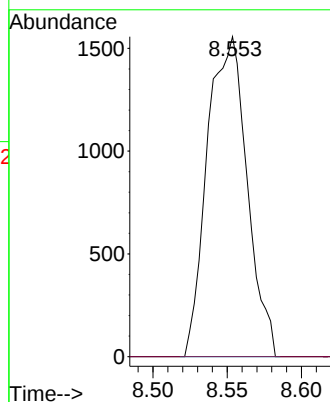
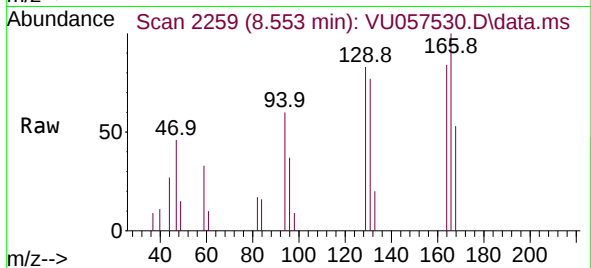
ClientSampleId :

Tgt Ion:129 Resp: 2903

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.446 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU057530.D

Acq: 15 Jan 2024 15:24

Tgt Ion: 75 Resp: 13172

Ion Ratio Lower Upper

75 100

110 0.8 29.4 44.0#

77 32.8 26.2 39.4

