

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057120.D
 Acq On : 21 Dec 2023 03:45
 Operator : MD/SY
 Sample : 05892-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 05:03:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 01:34:13 2023
 Response via : Initial Calibration

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

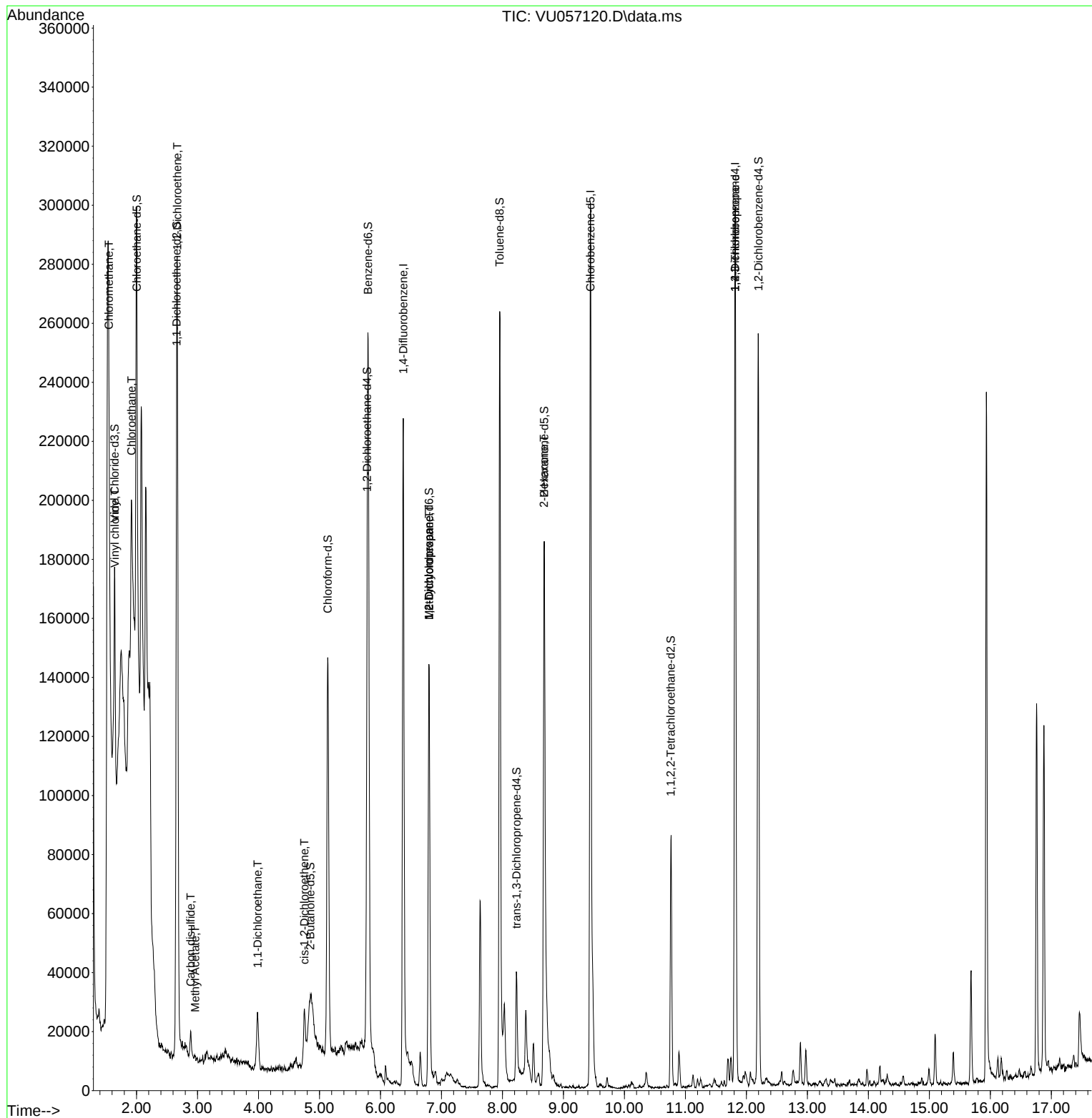
Internal Standards						
1) 1,4-Difluorobenzene	6.373	114	177106	5.000	ug/L	0.13
28) Chlorobenzene-d5	9.444	117	186122	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.817	152	85015	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.640	65	60647	3.995	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	2.004	69	55235	4.862	ug/L	0.09
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.657	65	28360	4.366	ug/L	0.09
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.853	46	44167	14.732	ug/L	0.23
Spiked Amount	50.000	Range	40 - 130	Recovery	=	29.460%#
24) Chloroform-d	5.136	84	130255	4.531	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.782	65	60969	4.482	ug/L	0.09
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.798	84	245639	4.255	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.795	67	66352	3.672	ug/L	0.11
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.400%
41) Toluene-d8	7.955	98	180455	3.497	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.000%
43) trans-1,3-Dichloroprop...	8.232	79	23480	3.351	ug/L	0.06
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.685	63	78215	29.595	ug/L	0.06
Spiked Amount	50.000	Range	45 - 130	Recovery	=	59.180%
56) 1,1,2,2-Tetrachloroeth...	10.762	84	44198	3.381	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	67.600%
66) 1,2-Dichlorobenzene-d4	12.196	152	67346	4.030	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.600%
Target Compounds						Qvalue
3) Chloromethane	1.547	50	17561	0.962	ug/L #	77
5) Vinyl chloride	1.647	62	3338	0.184	ug/L #	1
8) Chloroethane	1.917	64	168779	15.899	ug/L #	53
12) 1,1-Dichloroethene	2.669	96	64630	4.495	ug/L	87
14) Carbon disulfide	2.888	76	11119	0.223	ug/L #	94
15) Methyl Acetate	2.962	43	1078	0.217	ug/L #	49
19) 1,1-Dichloroethane	3.984	63	21908	0.781	ug/L	99
22) cis-1,2-Dichloroethene	4.753	96	8151	0.514	ug/L	92
35) Methylcyclohexane	6.795	83	17452	0.659	ug/L #	17
37) 1,2-Dichloropropane	6.795	63	7804	0.466	ug/L #	90
48) 2-Hexanone	8.682	43	9091	1.607	ug/L #	66
61) 1,2,3-Trichloropropane	11.814	75	10002	1.096	ug/L #	63

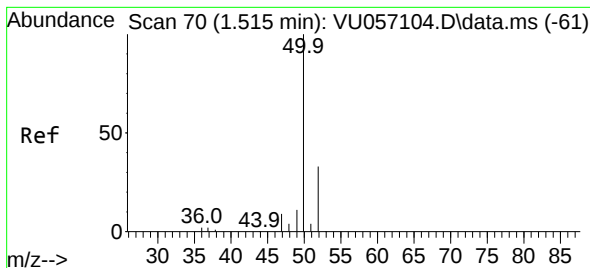
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.962 ug/L

RT: 1.547 min Scan# 80

Delta R.T. 0.032 min

Lab File: VU057120.D

Acq: 21 Dec 2023 03:45

Instrument :

MSVOA_U

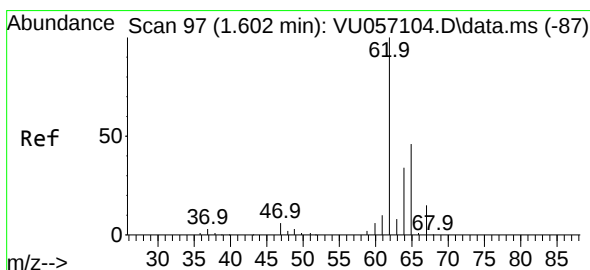
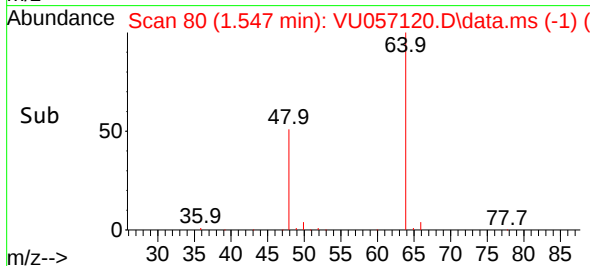
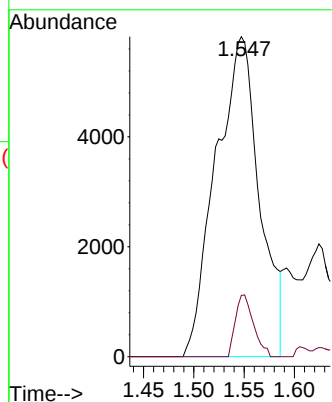
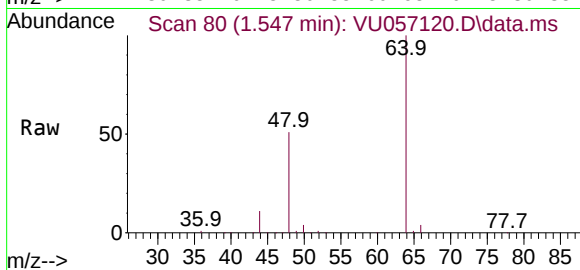
ClientSampleId :

Tgt Ion: 50 Resp: 17561

Ion Ratio Lower Upper

50 100

52 19.1 22.5 41.7#



#5

Vinyl chloride

Concen: 0.184 ug/L

RT: 1.647 min Scan# 111

Delta R.T. 0.045 min

Lab File: VU057120.D

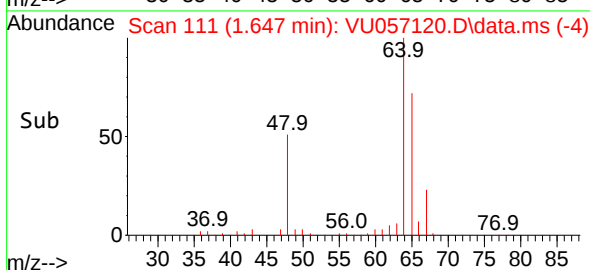
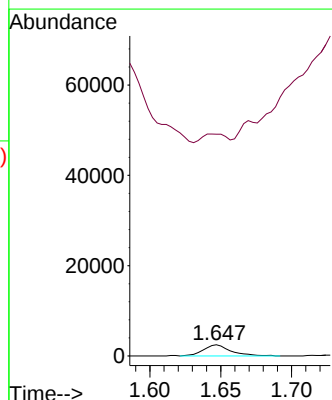
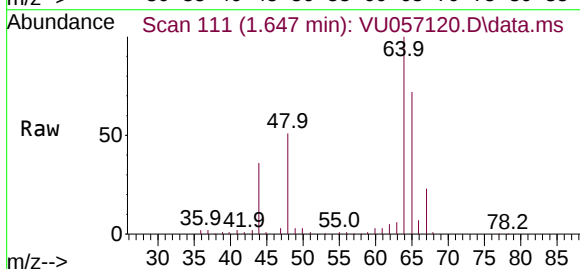
Acq: 21 Dec 2023 03:45

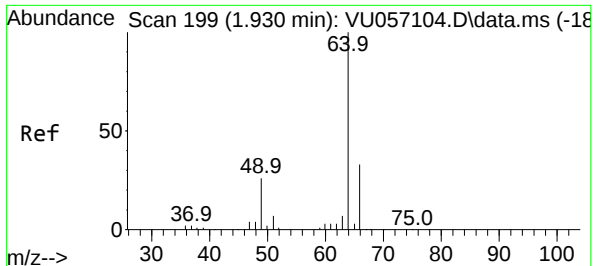
Tgt Ion: 62 Resp: 3338

Ion Ratio Lower Upper

62 100

64 1984.3 22.8 42.4#

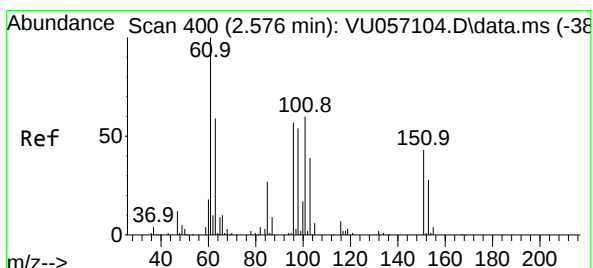
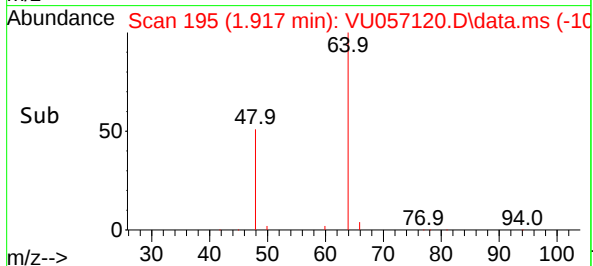
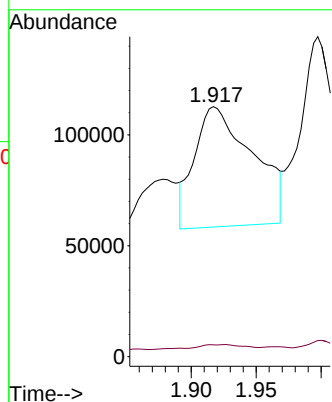
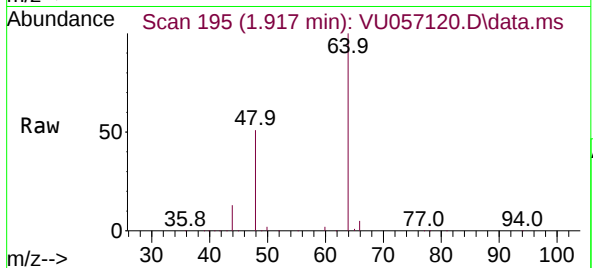




#8
Chloroethane
Concen: 15.899 ug/L
RT: 1.917 min Scan# 19
Delta R.T. -0.013 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

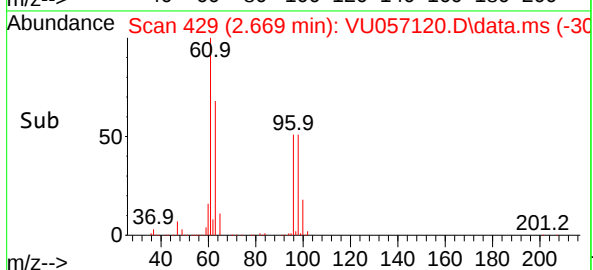
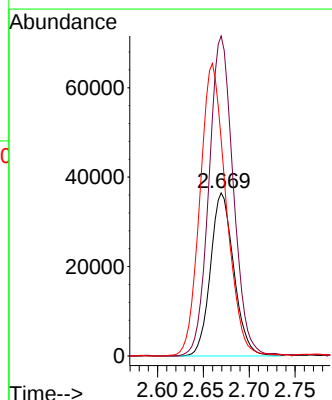
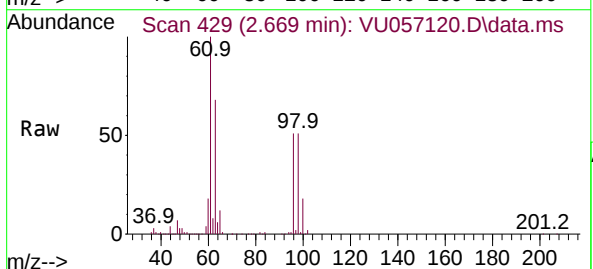
Instrument :
MSVOA_U
ClientSampleId :

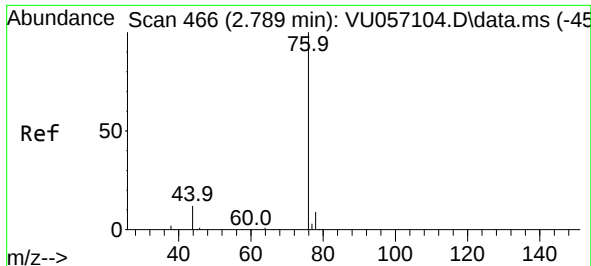
Tgt Ion: 64 Resp: 168779
Ion Ratio Lower Upper
64 100
66 4.7 21.4 39.8#



#12
1,1-Dichloroethene
Concen: 4.495 ug/L
RT: 2.669 min Scan# 429
Delta R.T. 0.093 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

Tgt Ion: 96 Resp: 64630
Ion Ratio Lower Upper
96 100
61 196.2 119.0 221.0
63 132.5 88.7 164.7

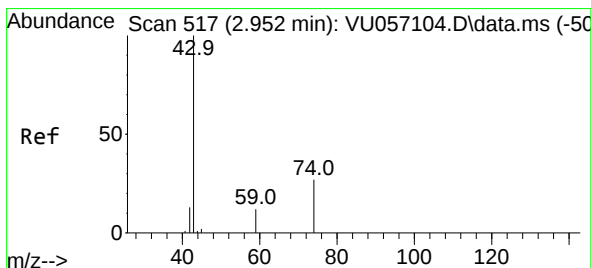
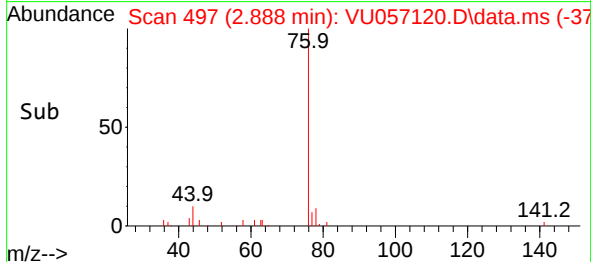
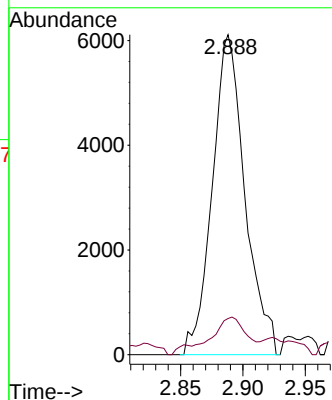
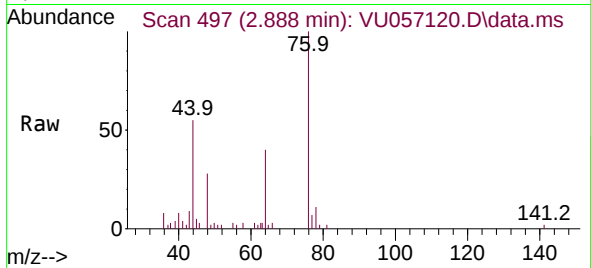




#14
Carbon disulfide
Concen: 0.223 ug/L
RT: 2.888 min Scan# 497
Delta R.T. 0.100 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

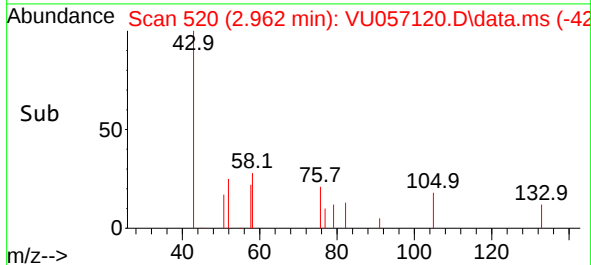
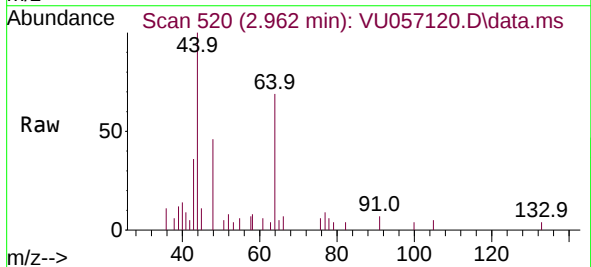
Instrument :
MSVOA_U
ClientSampleId :

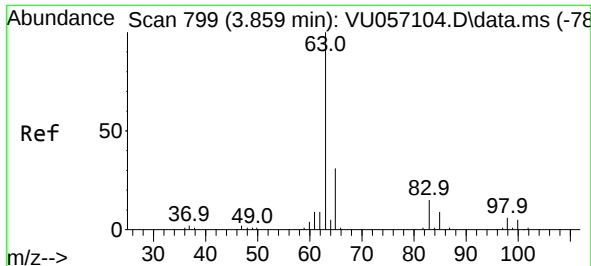
Tgt Ion: 76 Resp: 11119
Ion Ratio Lower Upper
76 100
78 11.3 7.3 10.9#



#15
Methyl Acetate
Concen: 0.217 ug/L
RT: 2.962 min Scan# 520
Delta R.T. 0.009 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#

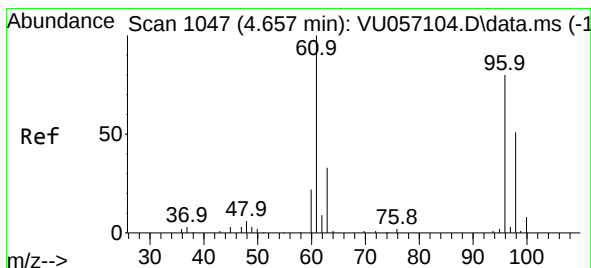
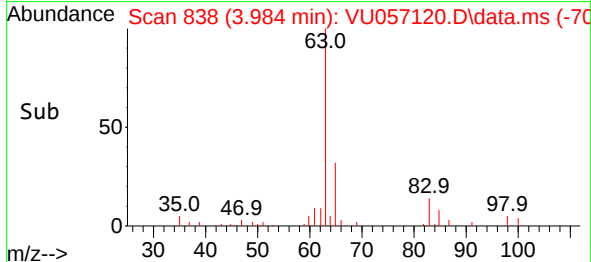
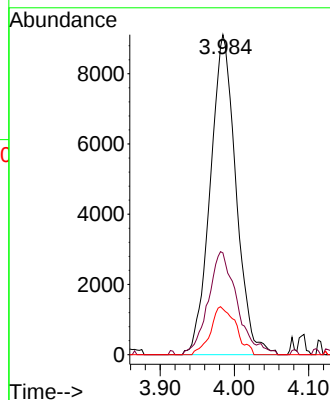
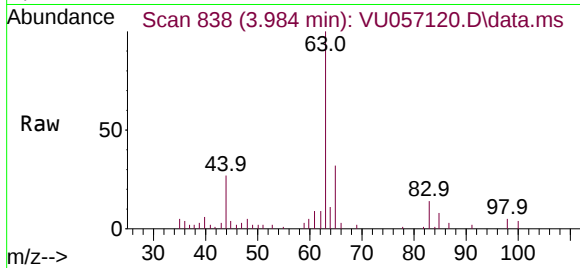




#19
1,1-Dichloroethane
Concen: 0.781 ug/L
RT: 3.984 min Scan# 81
Delta R.T. 0.125 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

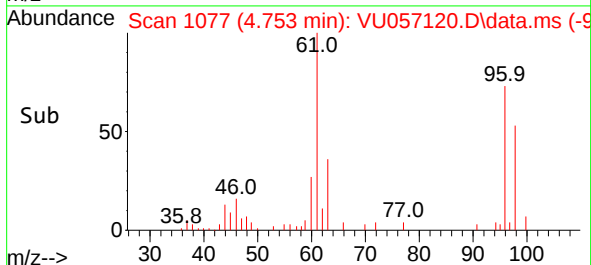
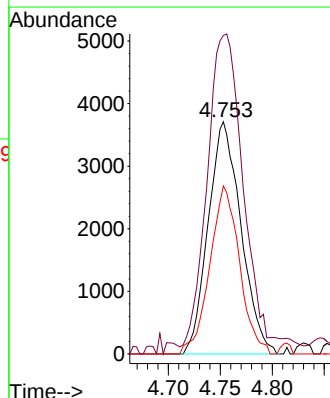
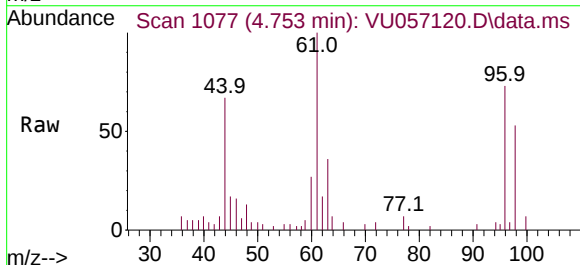
Instrument :
MSVOA_U
ClientSampleId :

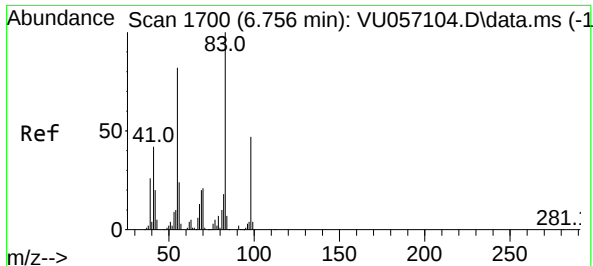
Tgt Ion: 63 Resp: 21908
Ion Ratio Lower Upper
63 100
65 31.8 22.9 42.5
83 14.3 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 0.514 ug/L
RT: 4.753 min Scan# 1077
Delta R.T. 0.096 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

Tgt Ion: 96 Resp: 8151
Ion Ratio Lower Upper
96 100
61 137.2 91.3 169.6
98 72.3 44.2 82.0





#35

Methylcyclohexane

Concen: 0.659 ug/L

RT: 6.795 min Scan# 1712

Delta R.T. 0.038 min

Lab File: VU057120.D

Acq: 21 Dec 2023 03:45

Instrument :

MSVOA_U

ClientSampleId :

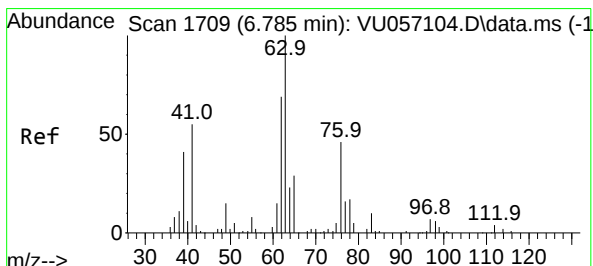
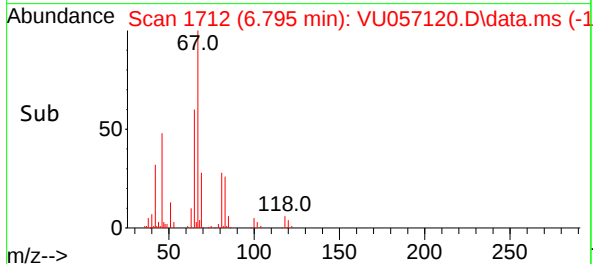
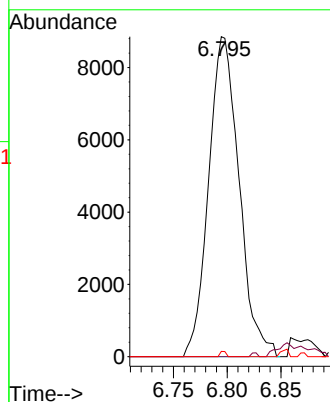
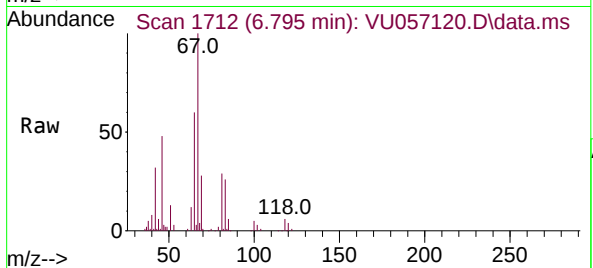
Tgt Ion: 83 Resp: 17452

Ion Ratio Lower Upper

83 100

55 0.2 64.6 97.0#

98 0.3 36.1 54.1#



#37

1,2-Dichloropropane

Concen: 0.466 ug/L

RT: 6.795 min Scan# 1712

Delta R.T. 0.009 min

Lab File: VU057120.D

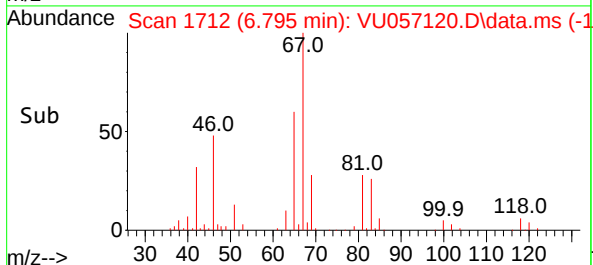
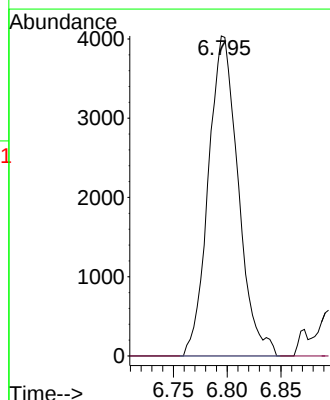
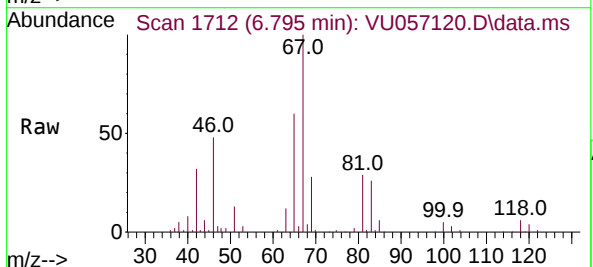
Acq: 21 Dec 2023 03:45

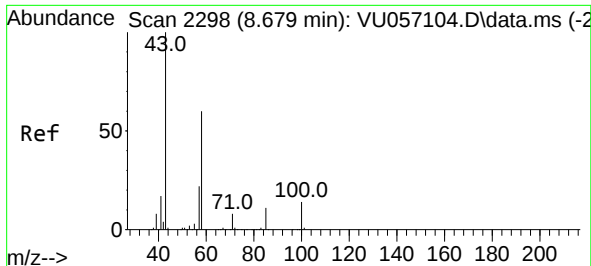
Tgt Ion: 63 Resp: 7804

Ion Ratio Lower Upper

63 100

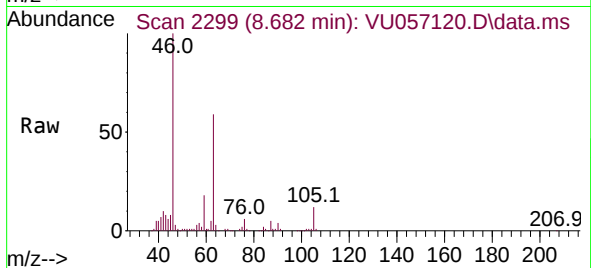
112 0.9 3.3 4.9#



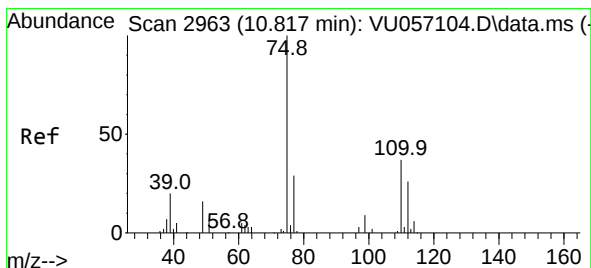
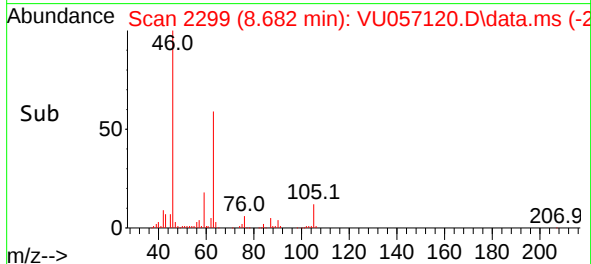
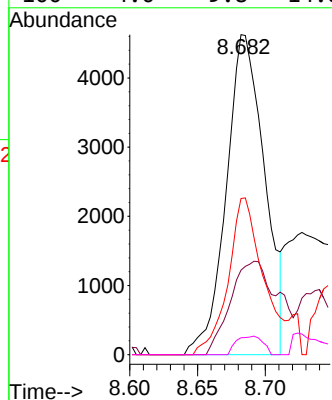


#48
2-Hexanone
Concen: 1.607 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 9091
Ion Ratio Lower Upper
43 100
58 36.4 47.5 71.3#
57 44.4 17.0 25.4#
100 4.0 9.8 14.8#



#61
1,2,3-Trichloropropane
Concen: 1.096 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.997 min
Lab File: VU057120.D
Acq: 21 Dec 2023 03:45

Tgt Ion: 75 Resp: 10002
Ion Ratio Lower Upper
75 100
110 3.9 28.4 42.6#
77 43.7 26.3 39.5#

