

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057319.D
 Acq On : 28 Dec 2023 08:23
 Operator : MD/SY
 Sample : 06021-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 20:46:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 05:49:04 2023
 Response via : Initial Calibration

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

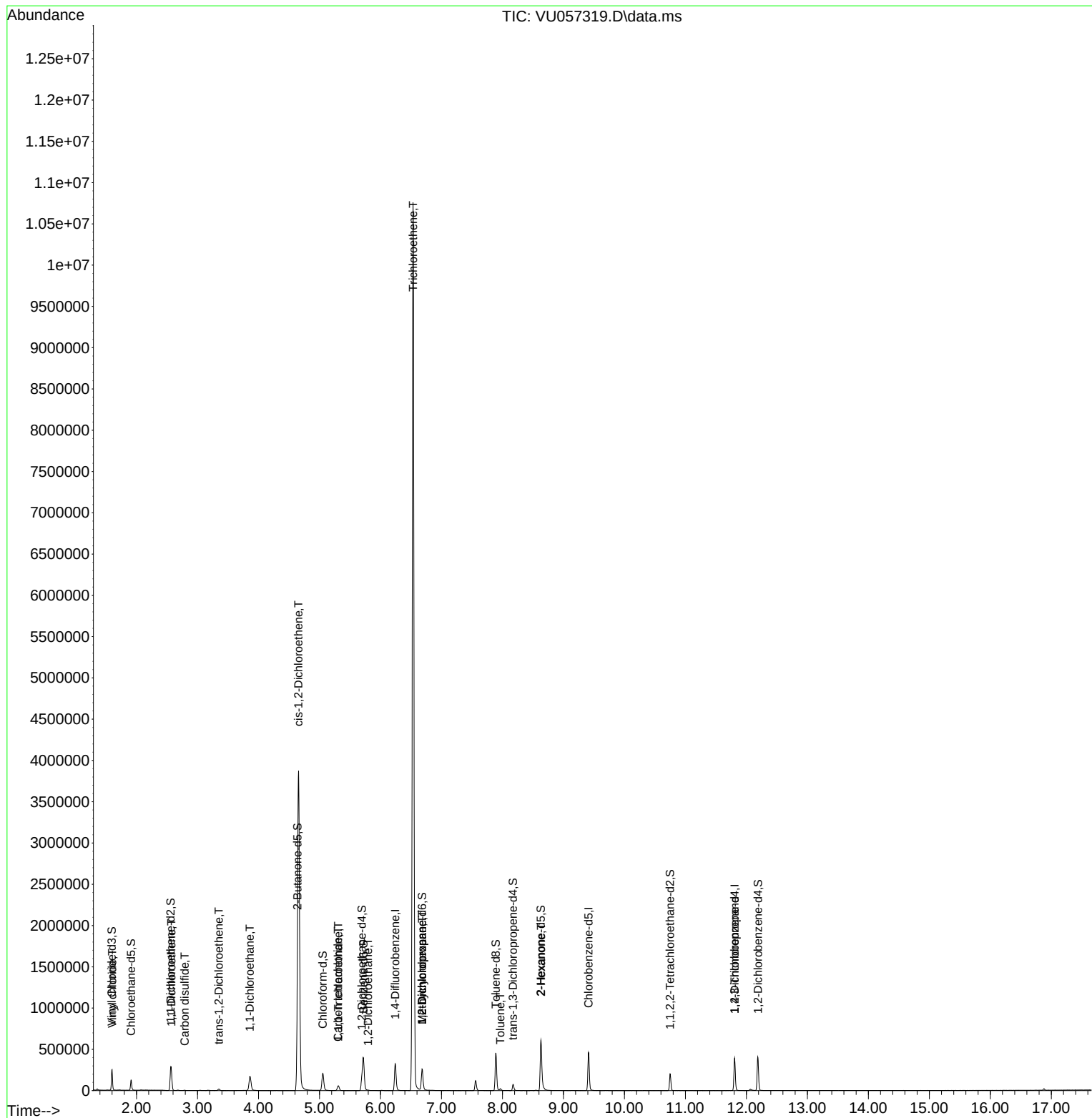
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	262671	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	260891	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	104032	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	111484	4.937	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.911	69	94455	5.208	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.200%
11) 1,1-Dichloroethene-d2	2.560	65	44082	4.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.000%
20) 2-Butanone-d5	4.637	46	291695	57.033	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.060%
24) Chloroform-d	5.055	84	199010	4.956	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.695	65	108077	5.267	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.721	84	375874	5.054	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.682	67	124284	5.333	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.891	98	305795	4.766	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.174	79	47530	5.083	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.631	63	215147	50.801	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.600%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	102913	5.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	105183	5.552	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	80861	3.688	ug/L	98
12) 1,1-Dichloroethene	2.573	96	38780	2.259	ug/L #	47
14) Carbon disulfide	2.792	76	6071	0.124	ug/L #	95
18) trans-1,2-Dichloroethene	3.351	96	8439	0.495	ug/L	86
19) 1,1-Dichloroethane	3.859	63	196428	5.487	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	2000178	101.574	ug/L	98
27) 1,2-Dichloroethane	5.795	62	3819	0.161	ug/L #	76
29) 1,1,1-Trichloroethane	5.309	97	44042	1.333	ug/L	97
31) Carbon tetrachloride	5.306	117	5715	0.206	ug/L	97
34) Trichloroethene	6.534	95	3847935	192.128	ug/L	96
35) Methylcyclohexane	6.682	83	28947	1.107	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	13585	0.650	ug/L #	90
42) Toluene	7.965	91	16354	0.202	ug/L	92
48) 2-Hexanone	8.634	43	29766	3.789	ug/L #	73
61) 1,2,3-Trichloropropane	11.807	75	13493	1.242	ug/L #	67

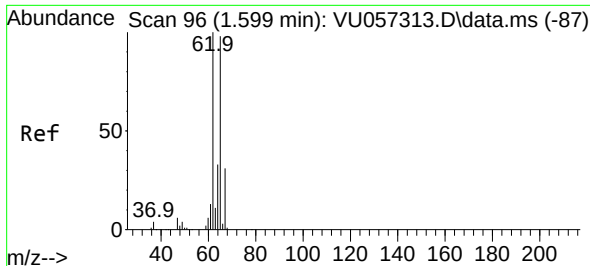
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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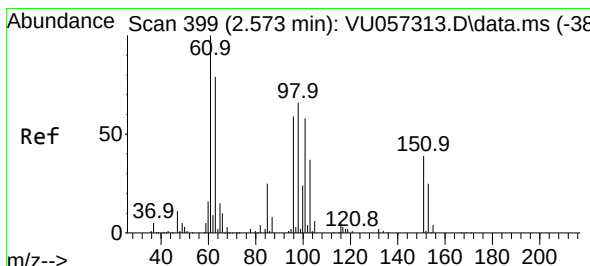
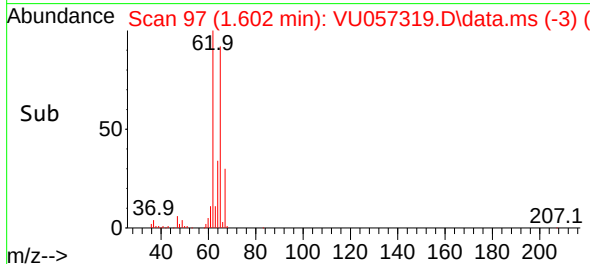
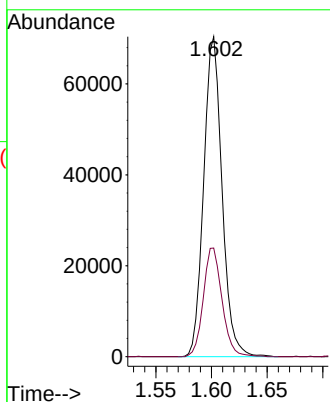
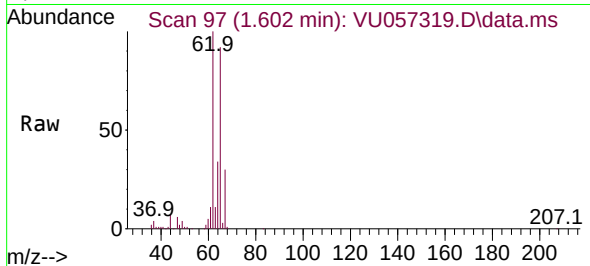




#5
 Vinyl chloride
 Concen: 3.688 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU057319.D
 Acq: 28 Dec 2023 08:23

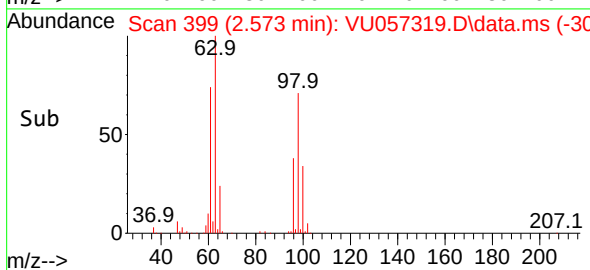
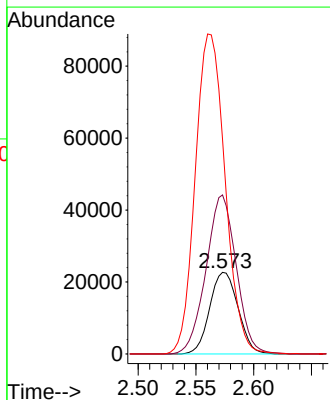
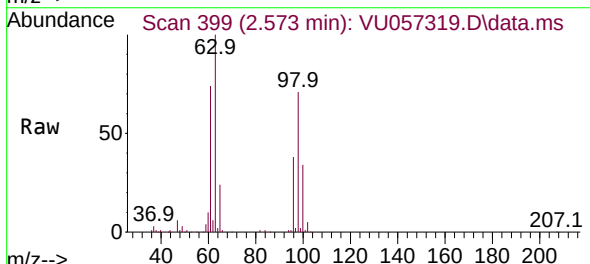
Instrument :
 MSVOA_U
 ClientSampleId :

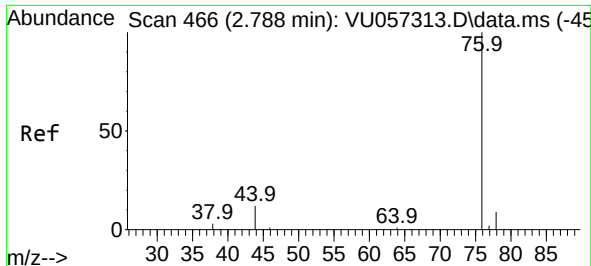
Tgt Ion: 62 Resp: 80861
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 2.259 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057319.D
 Acq: 28 Dec 2023 08:23

Tgt Ion: 96 Resp: 38780
 Ion Ratio Lower Upper
 96 100
 61 194.9 122.2 226.9
 63 263.4 99.2 184.2#





#14

Carbon disulfide

Concen: 0.124 ug/L

RT: 2.792 min Scan# 4

Delta R.T. 0.003 min

Lab File: VU057319.D

Acq: 28 Dec 2023 08:23

Instrument :

MSVOA_U

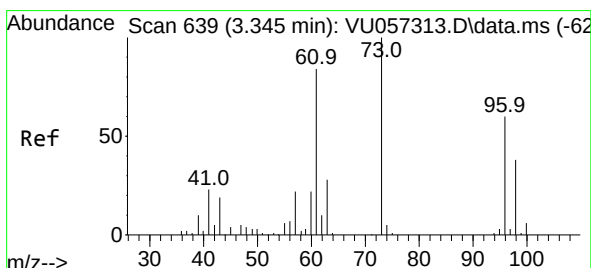
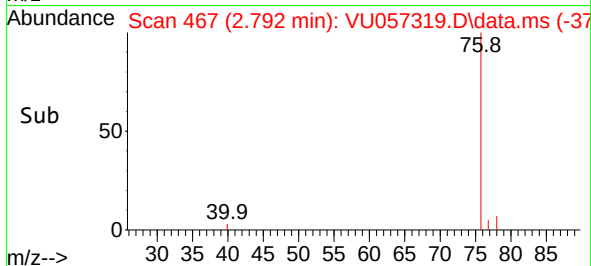
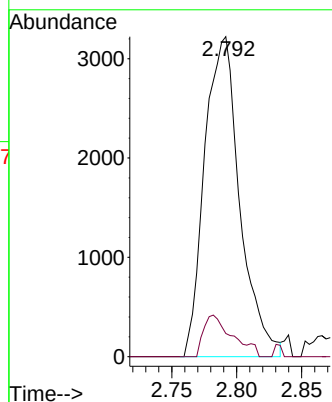
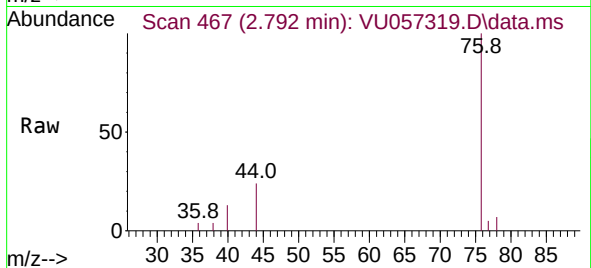
ClientSampleId :

Tgt Ion: 76 Resp: 6071

Ion Ratio Lower Upper

76 100

78 7.3 7.3 10.9#



#18

trans-1,2-Dichloroethene

Concen: 0.495 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.006 min

Lab File: VU057319.D

Acq: 28 Dec 2023 08:23

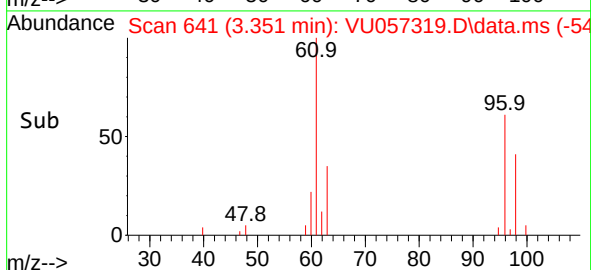
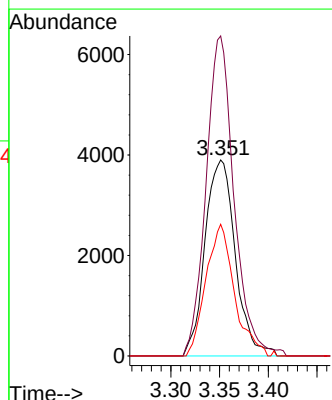
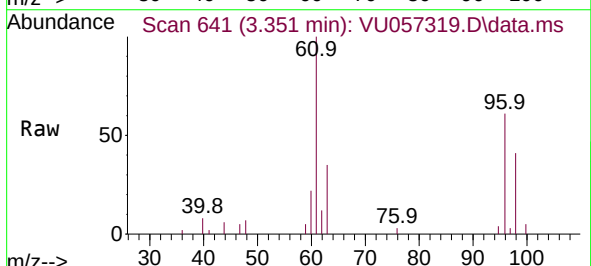
Tgt Ion: 96 Resp: 8439

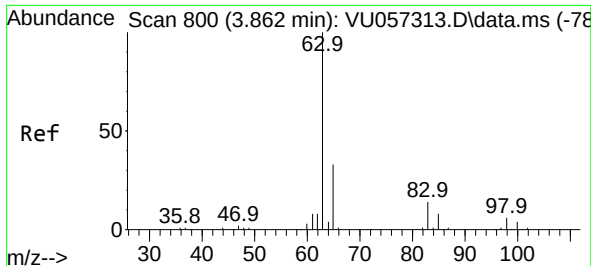
Ion Ratio Lower Upper

96 100

61 163.2 97.5 181.1

98 67.2 45.9 85.3





#19

1,1-Dichloroethane

Concen: 5.487 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057319.D

Acq: 28 Dec 2023 08:23

Instrument :

MSVOA_U

ClientSampleId :

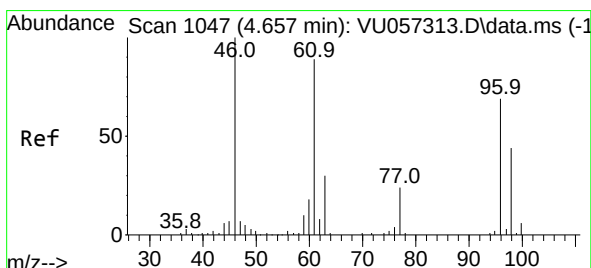
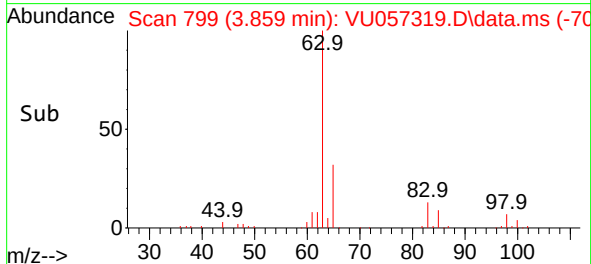
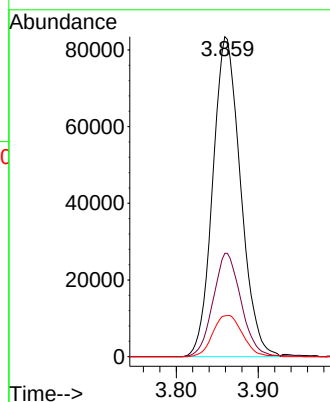
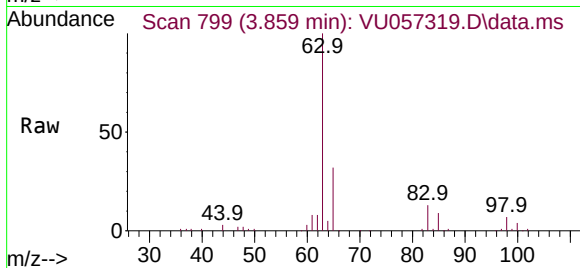
Tgt Ion: 63 Resp: 196428

Ion Ratio Lower Upper

63 100

65 32.3 23.6 43.8

83 12.8 9.8 18.2



#22

cis-1,2-Dichloroethene

Concen: 101.574 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU057319.D

Acq: 28 Dec 2023 08:23

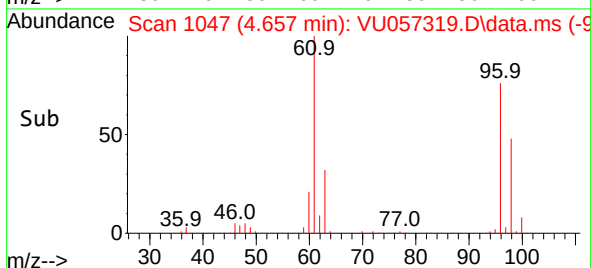
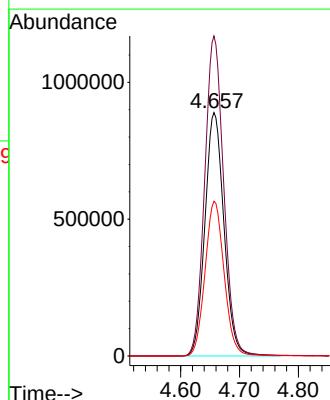
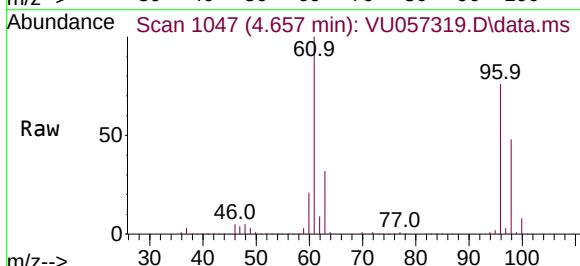
Tgt Ion: 96 Resp: 2000178

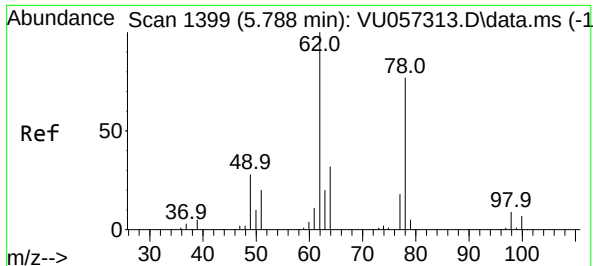
Ion Ratio Lower Upper

96 100

61 131.5 91.1 169.3

98 63.6 42.6 79.0

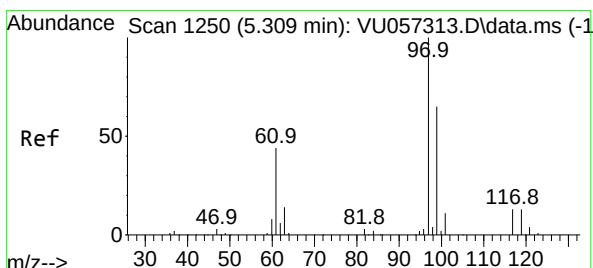
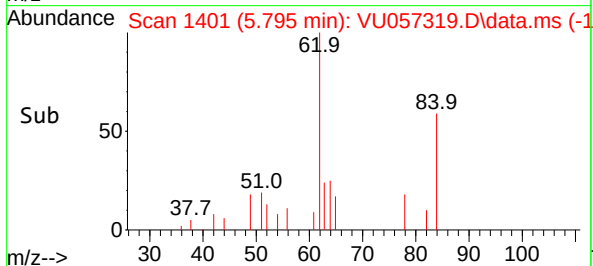
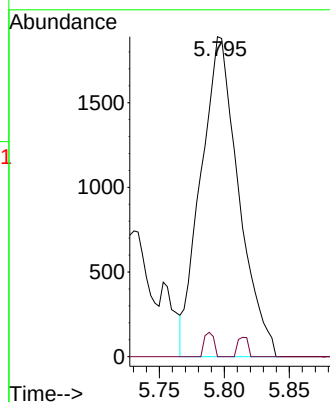
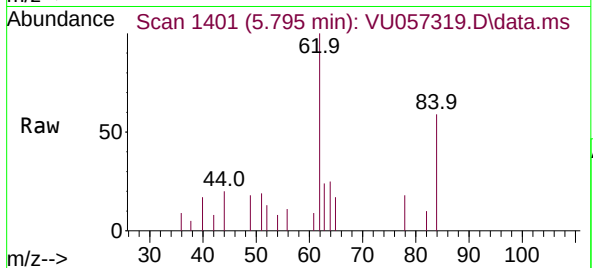




#27
1,2-Dichloroethane
Concen: 0.161 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU057319.D
Acq: 28 Dec 2023 08:23

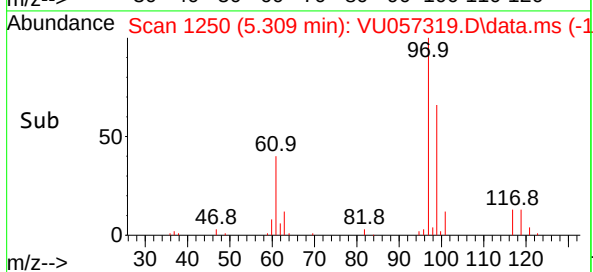
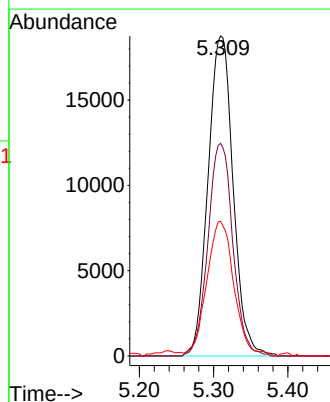
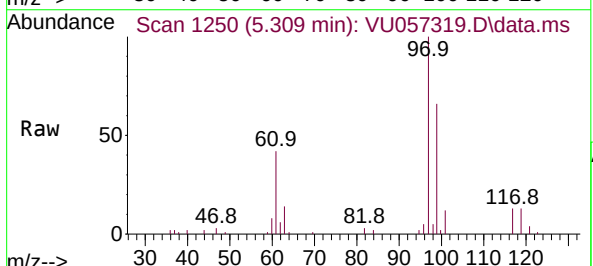
Instrument :
MSVOA_U
ClientSampleId :

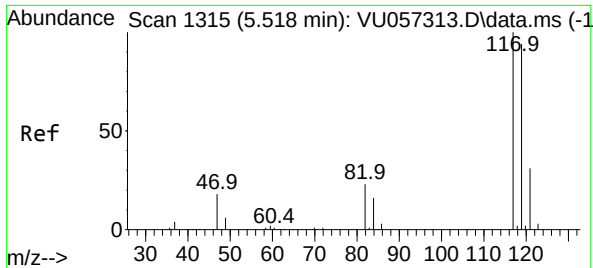
Tgt Ion: 62 Resp: 3819
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#



#29
1,1,1-Trichloroethane
Concen: 1.333 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU057319.D
Acq: 28 Dec 2023 08:23

Tgt Ion: 97 Resp: 44042
Ion Ratio Lower Upper
97 100
99 66.0 51.7 77.5
61 45.6 34.1 51.1

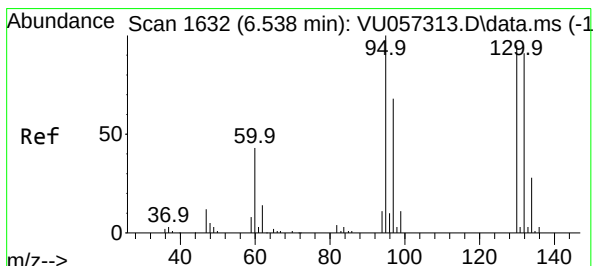
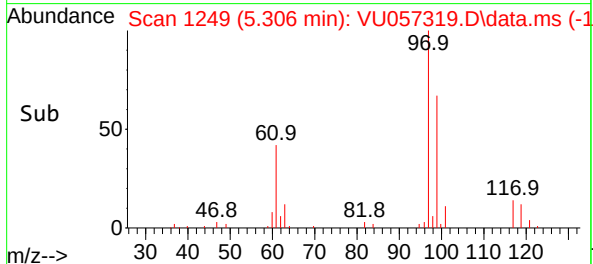
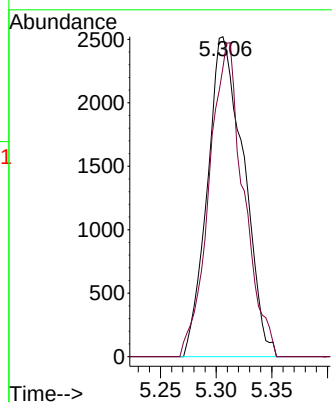
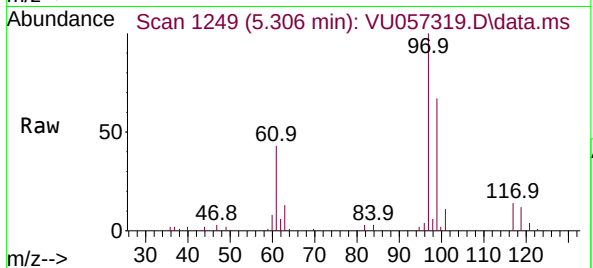




#31
Carbon tetrachloride
Concen: 0.206 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU057319.D
Acq: 28 Dec 2023 08:23

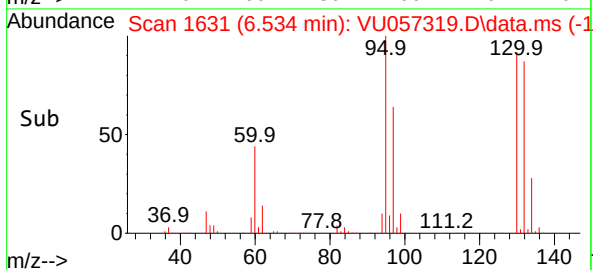
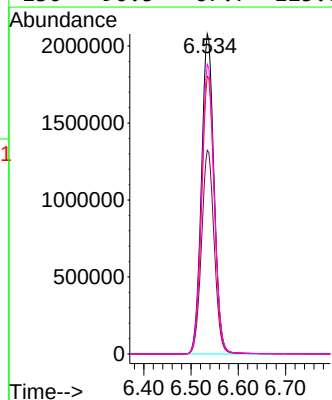
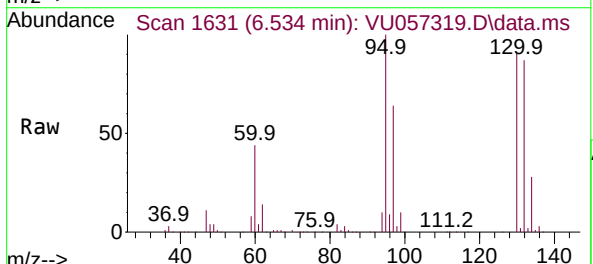
Instrument :
MSVOA_U
ClientSampleId :

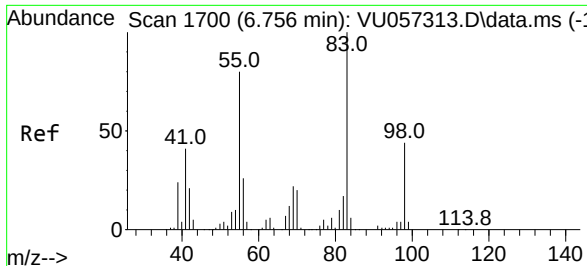
Tgt Ion:117 Resp: 5715
Ion Ratio Lower Upper
117 100
119 93.3 76.7 115.1



#34
Trichloroethene
Concen: 192.128 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057319.D
Acq: 28 Dec 2023 08:23

Tgt Ion: 95 Resp: 3847935
Ion Ratio Lower Upper
95 100
97 63.7 45.3 84.1
132 86.8 63.1 117.3
130 90.5 67.7 125.7

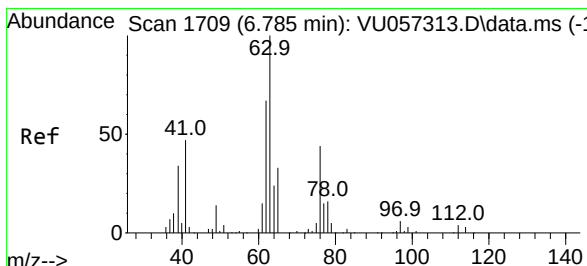
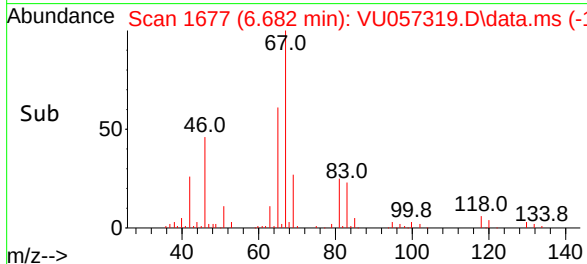
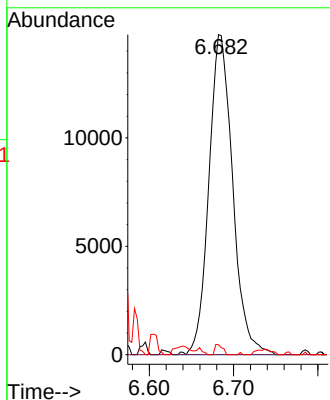
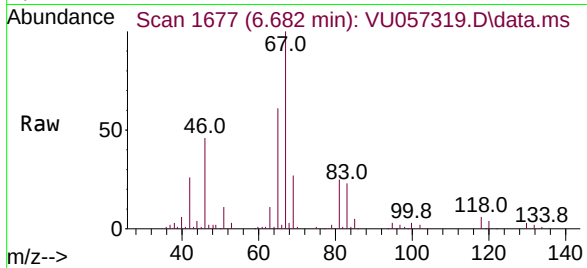




#35
Methylcyclohexane
Concen: 1.107 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU057319.D
Acq: 28 Dec 2023 08:23

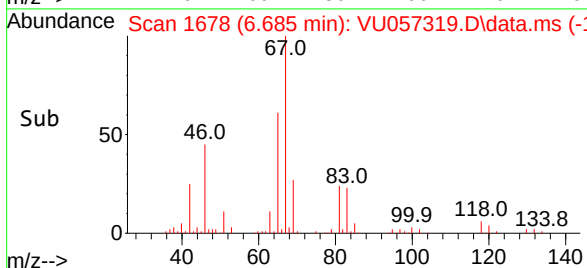
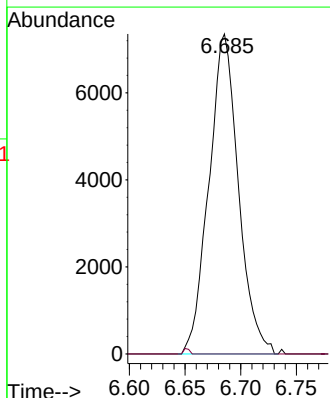
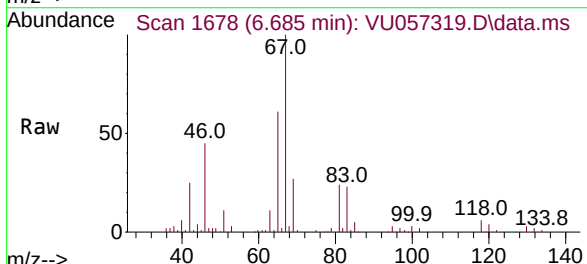
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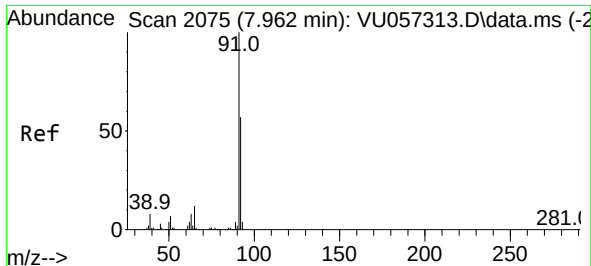
Tgt Ion: 83 Resp: 28947
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.2#
98 0.0 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.650 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU057319.D
Acq: 28 Dec 2023 08:23

Tgt Ion: 63 Resp: 13585
Ion Ratio Lower Upper
63 100
112 0.3 2.9 4.3#





#42

Toluene

Concen: 0.202 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057319.D

Acq: 28 Dec 2023 08:23

Instrument :

MSVOA_U

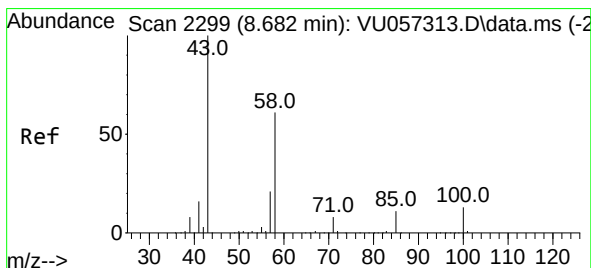
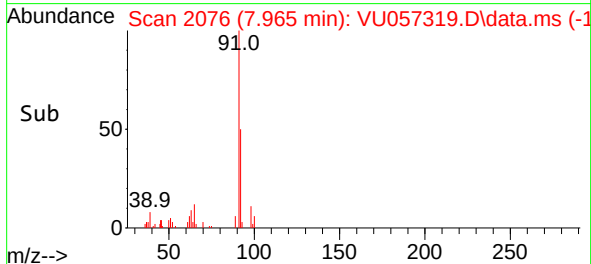
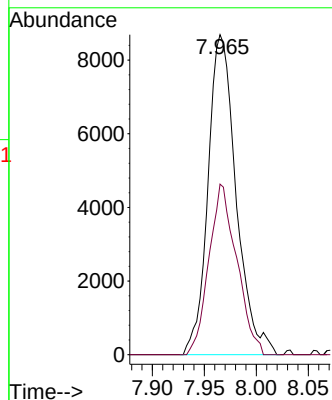
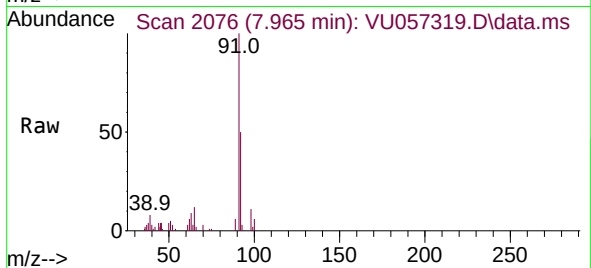
ClientSampleId :

Tgt Ion: 91 Resp: 16354

Ion Ratio Lower Upper

91 100

92 53.3 41.6 77.2



#48

2-Hexanone

Concen: 3.789 ug/L

RT: 8.634 min Scan# 2284

Delta R.T. -0.048 min

Lab File: VU057319.D

Acq: 28 Dec 2023 08:23

Tgt Ion: 43 Resp: 29766

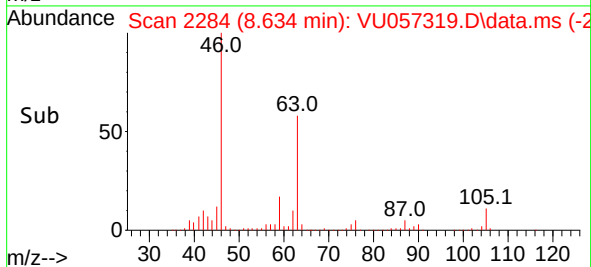
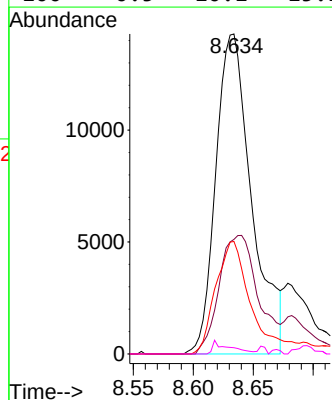
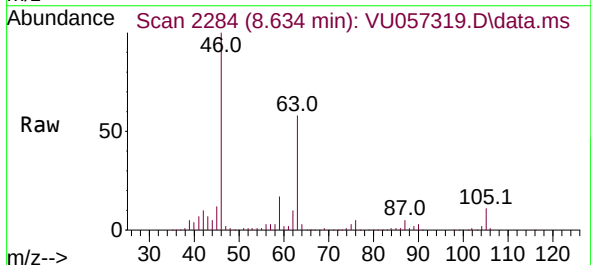
Ion Ratio Lower Upper

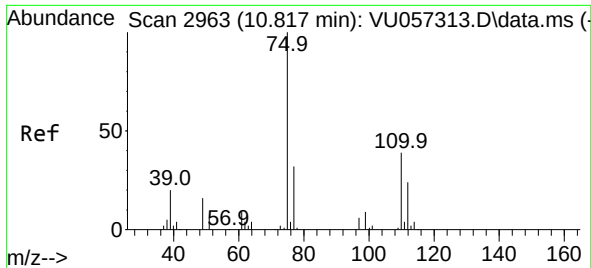
43 100

58 40.6 48.4 72.6#

57 34.8 17.4 26.2#

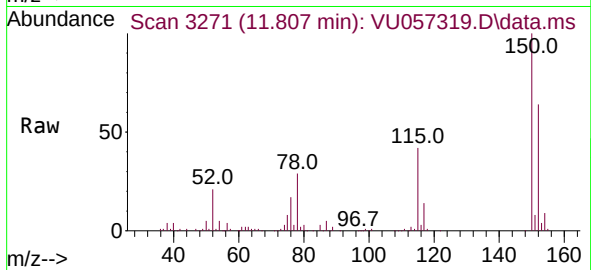
100 0.5 10.1 15.1#





#61
1,2,3-Trichloropropane
Concen: 1.242 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU057319.D
Acq: 28 Dec 2023 08:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 13493
Ion Ratio Lower Upper
75 100
110 1.0 29.0 43.6#
77 31.0 25.4 38.2

