

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057323.D
 Acq On : 28 Dec 2023 09:59
 Operator : MD/SY
 Sample : 06021-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 20:47:58 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)

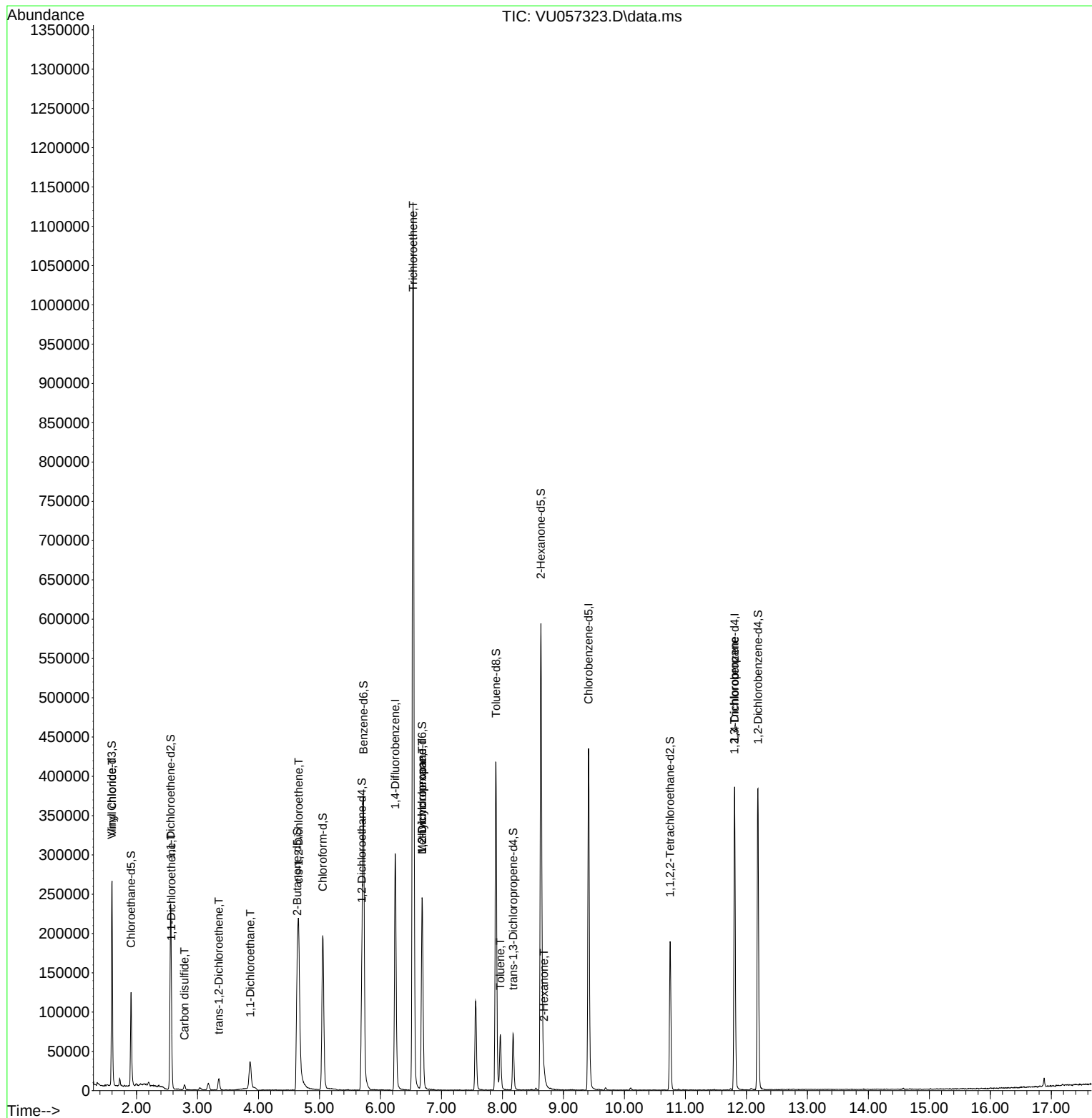
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	240560	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	242614	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97596	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	108371	5.240	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.800%
7) Chloroethane-d5	1.911	69	91224	5.492	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.800%
11) 1,1-Dichloroethene-d2	2.560	65	42744	5.193	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.800%
20) 2-Butanone-d5	4.634	46	269653	57.570	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.140%
24) Chloroform-d	5.055	84	190209	5.172	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
26) 1,2-Dichloroethane-d4	5.695	65	102600	5.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.200%
32) Benzene-d6	5.721	84	358474	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.682	67	118988	5.490	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.800%
41) Toluene-d8	7.894	98	282136	4.729	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	8.177	79	41946	4.824	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.400%
46) 2-Hexanone-d5	8.631	63	206891	52.532	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	96755	5.316	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	100084	5.632	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	88542	4.409	ug/L	96
12) 1,1-Dichloroethene	2.573	96	8780	0.558	ug/L #	1
14) Carbon disulfide	2.788	76	9114	0.203	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	6206	0.398	ug/L	97
19) 1,1-Dichloroethane	3.866	63	41276	1.259	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	68268	3.785	ug/L	97
34) Trichloroethene	6.534	95	408921	21.956	ug/L	97
35) Methylcyclohexane	6.685	83	28633	1.177	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	13024	0.670	ug/L #	89
42) Toluene	7.965	91	52978	0.704	ug/L	93
48) 2-Hexanone	8.682	43	7389	1.011	ug/L #	61
61) 1,2,3-Trichloropropane	11.804	75	12528	1.229	ug/L #	67

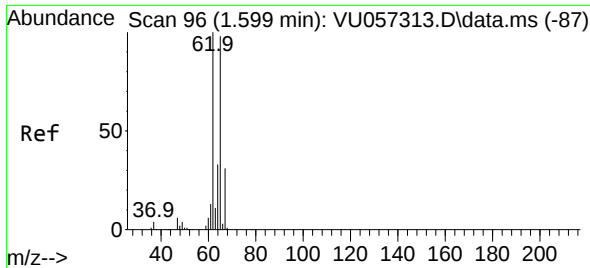
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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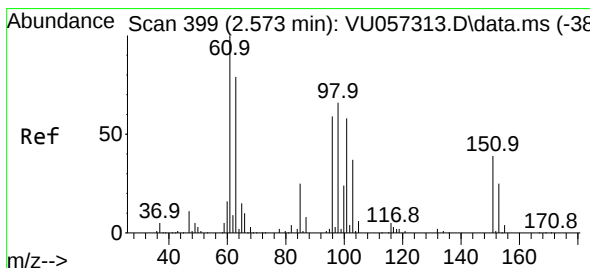
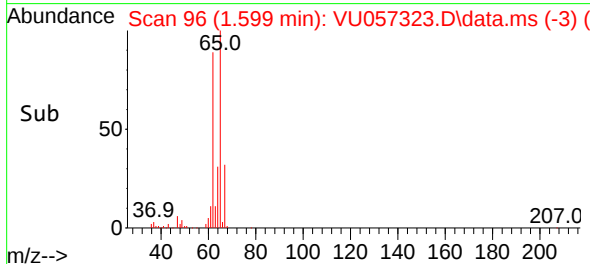
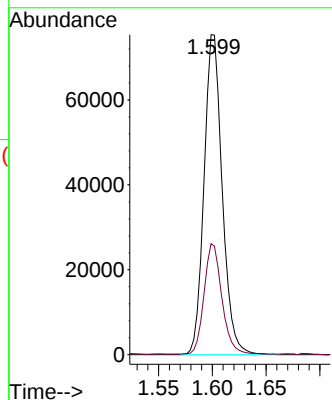
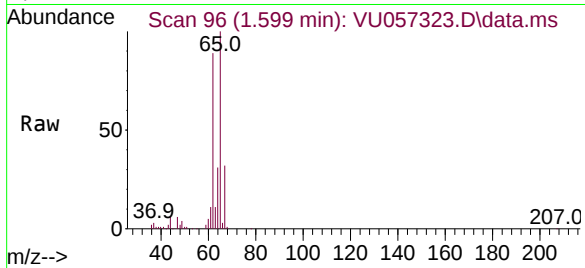




#5
 Vinyl chloride
 Concen: 4.409 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU057323.D
 Acq: 28 Dec 2023 09:59

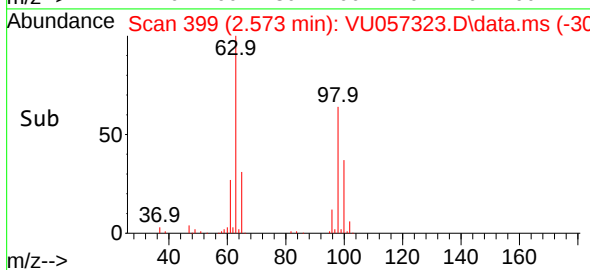
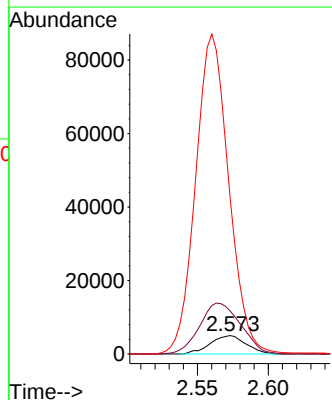
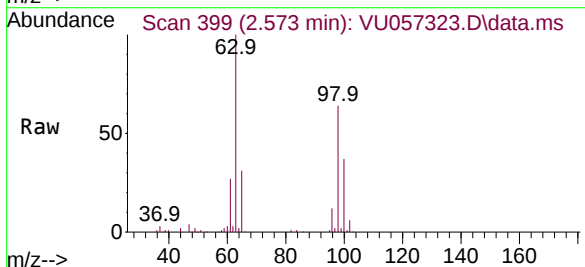
Instrument :
 MSVOA_U
 ClientSampleId :

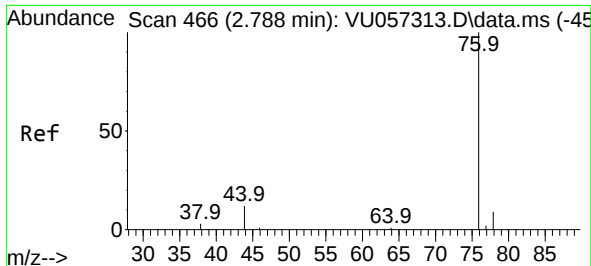
Tgt Ion: 62 Resp: 88542
 Ion Ratio Lower Upper
 62 100
 64 34.7 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.558 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057323.D
 Acq: 28 Dec 2023 09:59

Tgt Ion: 96 Resp: 8780
 Ion Ratio Lower Upper
 96 100
 61 233.8 122.2 226.9#
 63 855.7 99.2 184.2#





#14

Carbon disulfide

Concen: 0.203 ug/L

RT: 2.788 min Scan# 41

Delta R.T. -0.000 min

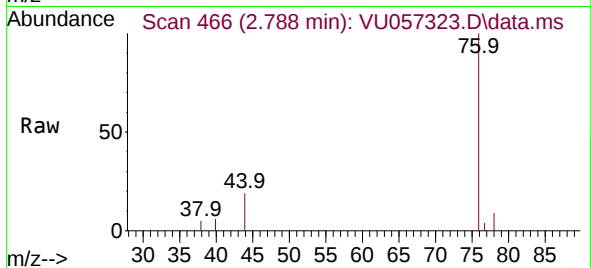
Lab File: VU057323.D

Acq: 28 Dec 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

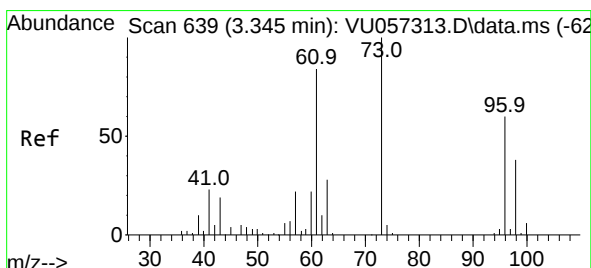
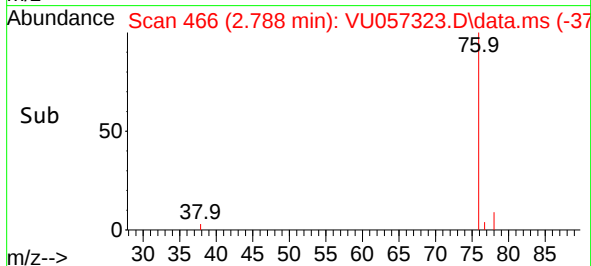
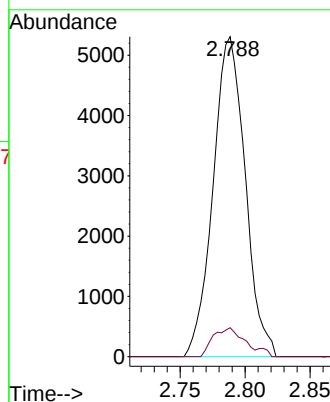


Tgt Ion: 76 Resp: 9114

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



#18

trans-1,2-Dichloroethene

Concen: 0.398 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.006 min

Lab File: VU057323.D

Acq: 28 Dec 2023 09:59

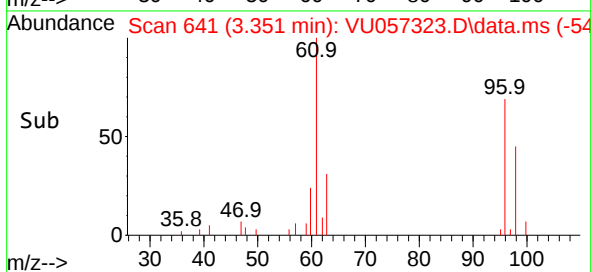
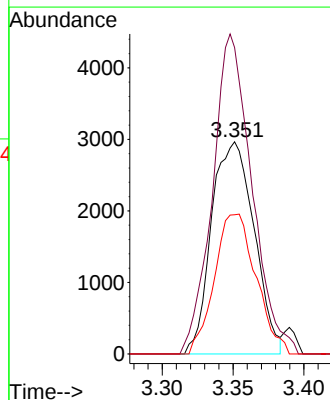
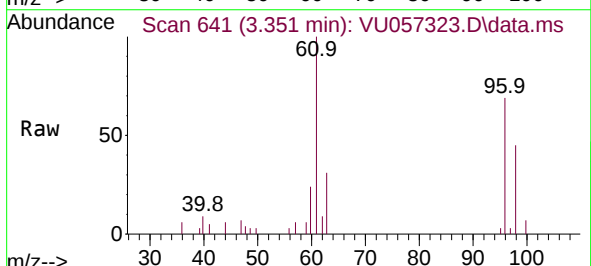
Tgt Ion: 96 Resp: 6206

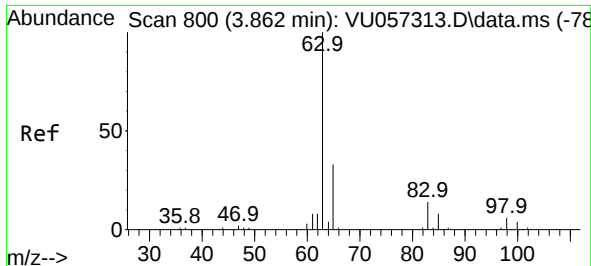
Ion Ratio Lower Upper

96 100

61 144.5 97.5 181.1

98 65.6 45.9 85.3





#19

1,1-Dichloroethane

Concen: 1.259 ug/L

RT: 3.866 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057323.D

Acq: 28 Dec 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

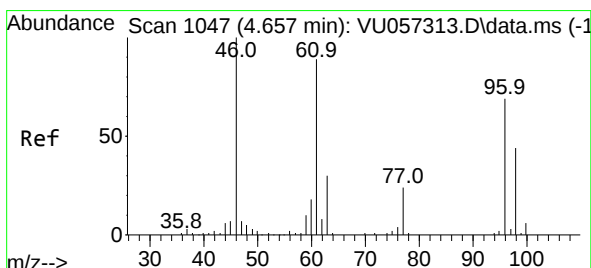
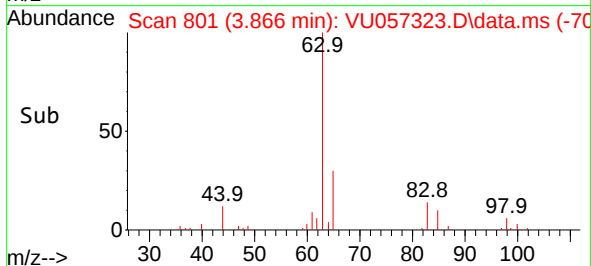
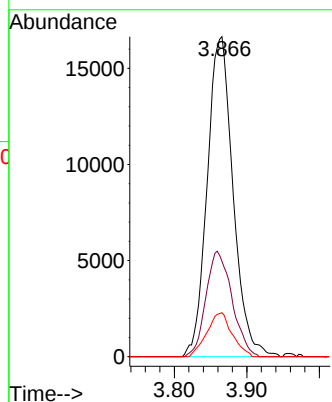
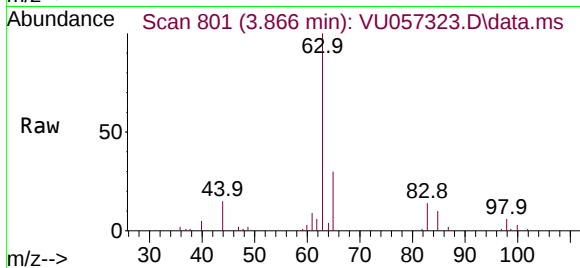
Tgt Ion: 63 Resp: 41276

Ion Ratio Lower Upper

63 100

65 29.8 23.6 43.8

83 13.8 9.8 18.2



#22

cis-1,2-Dichloroethene

Concen: 3.785 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057323.D

Acq: 28 Dec 2023 09:59

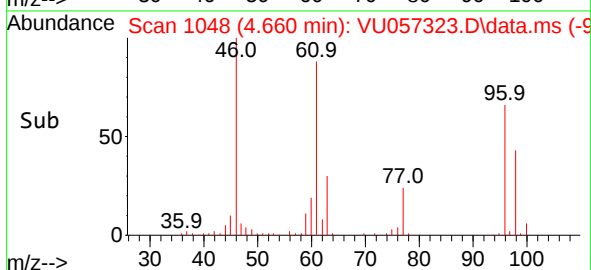
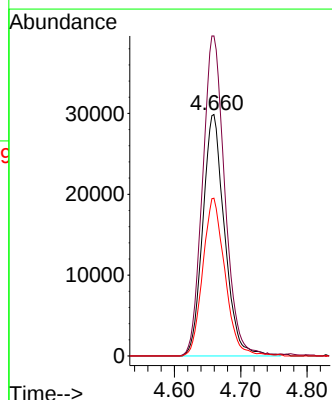
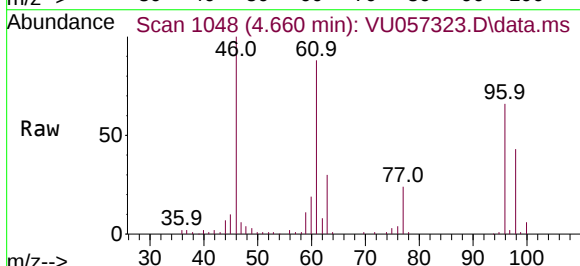
Tgt Ion: 96 Resp: 68268

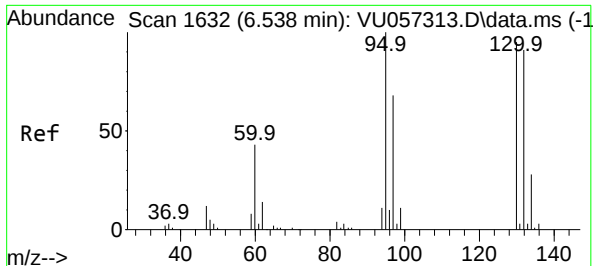
Ion Ratio Lower Upper

96 100

61 132.5 91.1 169.3

98 65.3 42.6 79.0





#34

Trichloroethene

Concen: 21.956 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057323.D

Acq: 28 Dec 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 408921

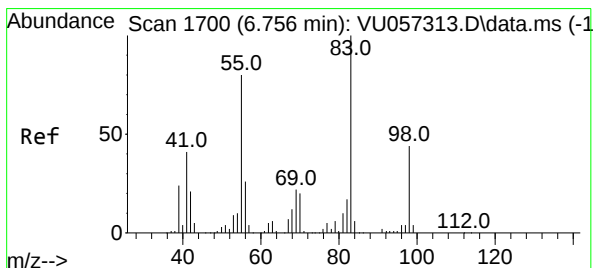
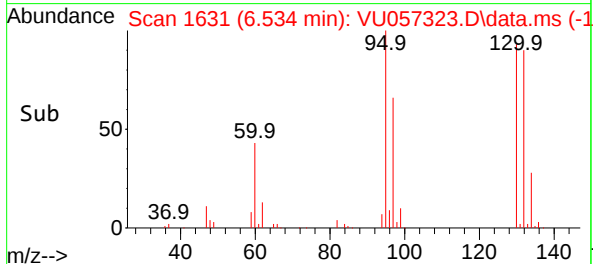
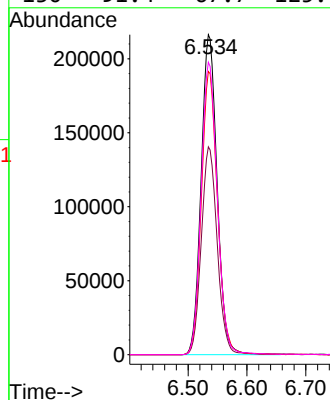
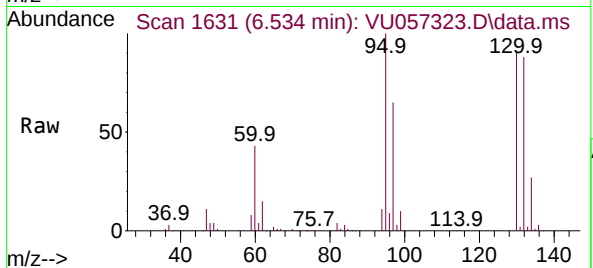
Ion Ratio Lower Upper

95 100

97 64.9 45.3 84.1

132 88.5 63.1 117.3

130 91.4 67.7 125.7



#35

Methylcyclohexane

Concen: 1.177 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU057323.D

Acq: 28 Dec 2023 09:59

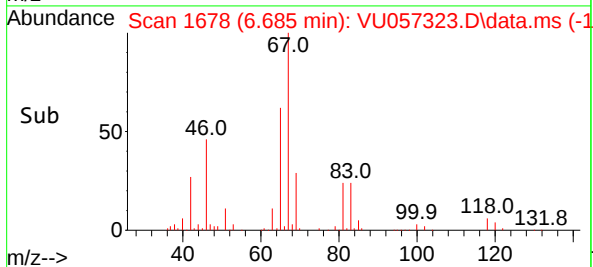
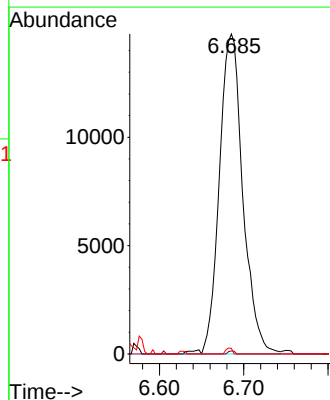
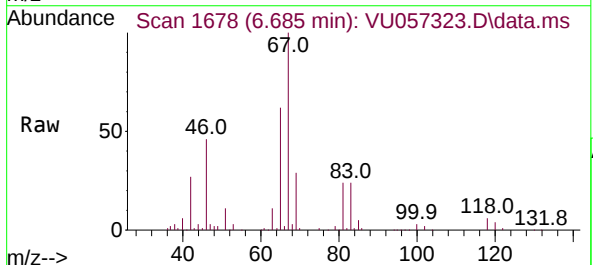
Tgt Ion: 83 Resp: 28633

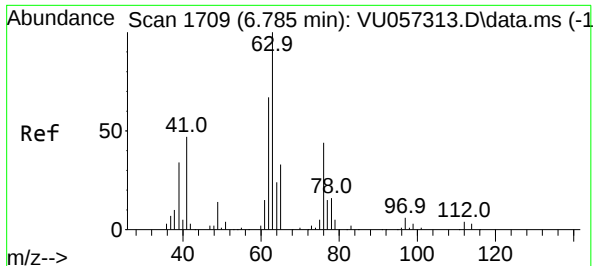
Ion Ratio Lower Upper

83 100

55 0.3 65.4 98.2#

98 0.0 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.670 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU057323.D

Acq: 28 Dec 2023 09:59

Instrument :

MSVOA_U

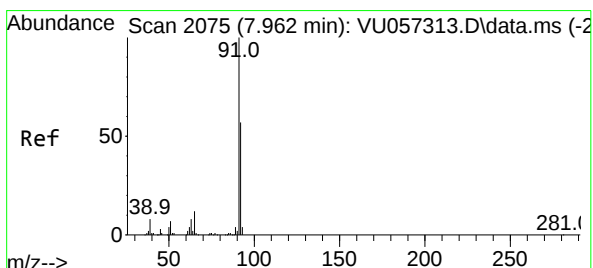
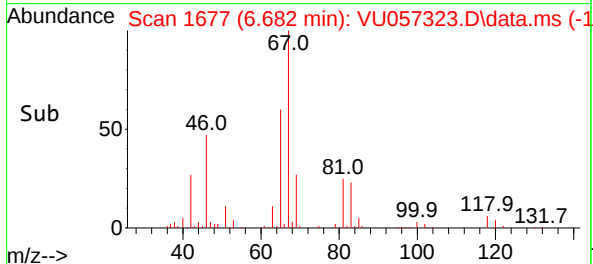
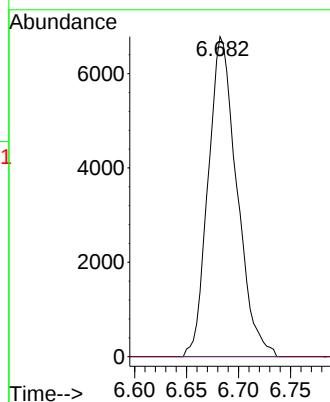
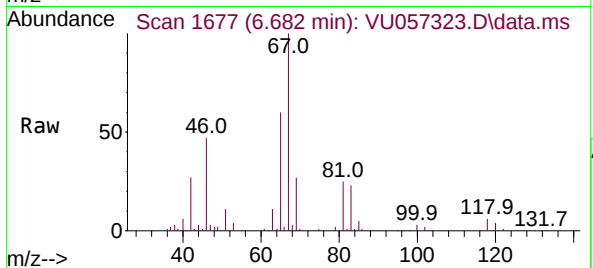
ClientSampleId :

Tgt Ion: 63 Resp: 13024

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#42

Toluene

Concen: 0.704 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057323.D

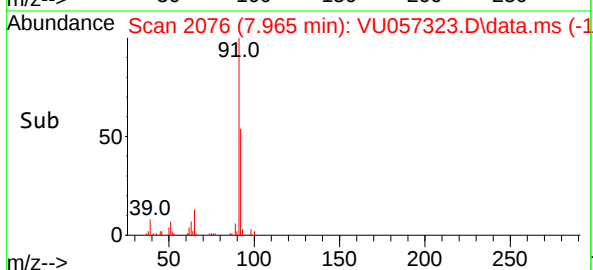
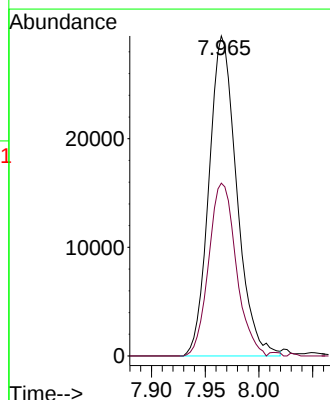
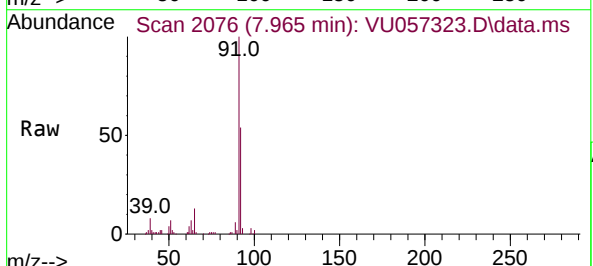
Acq: 28 Dec 2023 09:59

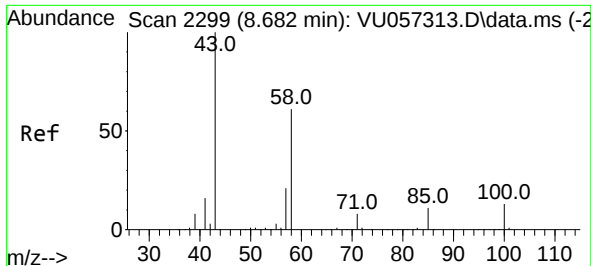
Tgt Ion: 91 Resp: 52978

Ion Ratio Lower Upper

91 100

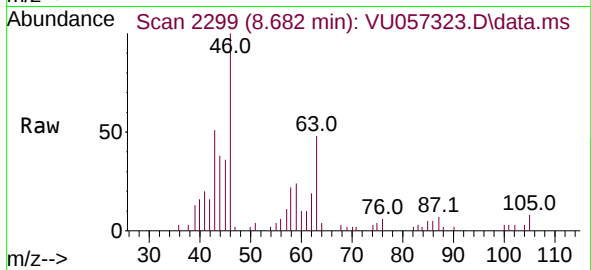
92 54.0 41.6 77.2



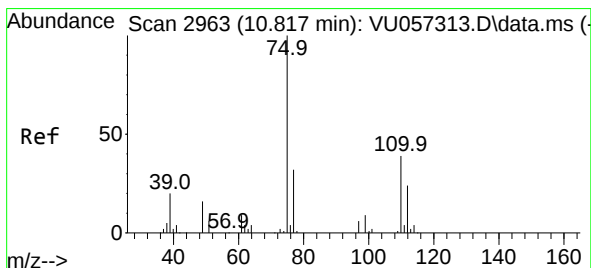
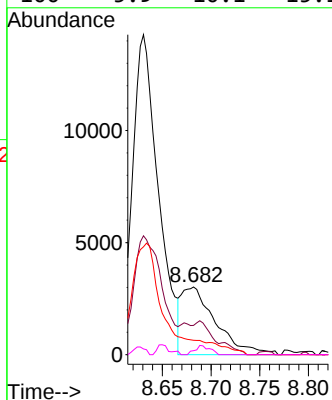
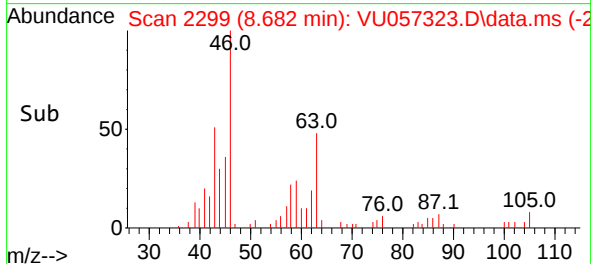


#48
2-Hexanone
Concen: 1.011 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057323.D
Acq: 28 Dec 2023 09:59

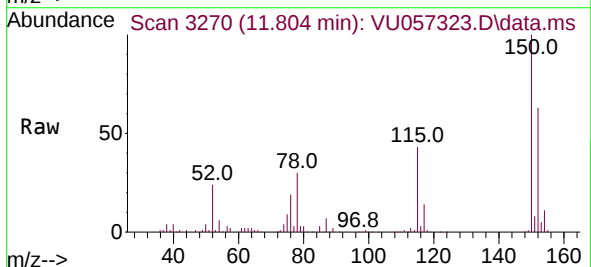
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	43	Resp:	7389
Ion	Ratio	Lower	Upper
43	100		
58	29.0	48.4	72.6#
57	0.0	17.4	26.2#
100	5.9	10.1	15.1#



#61
1,2,3-Trichloropropane
Concen: 1.229 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU057323.D
Acq: 28 Dec 2023 09:59



Tgt Ion:	75	Resp:	12528
Ion	Ratio	Lower	Upper
75	100		
110	2.1	29.0	43.6#
77	34.5	25.4	38.2

