

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057318.D
 Acq On : 28 Dec 2023 07:59
 Operator : MD/SY
 Sample : 06021-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 20:46:39 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)

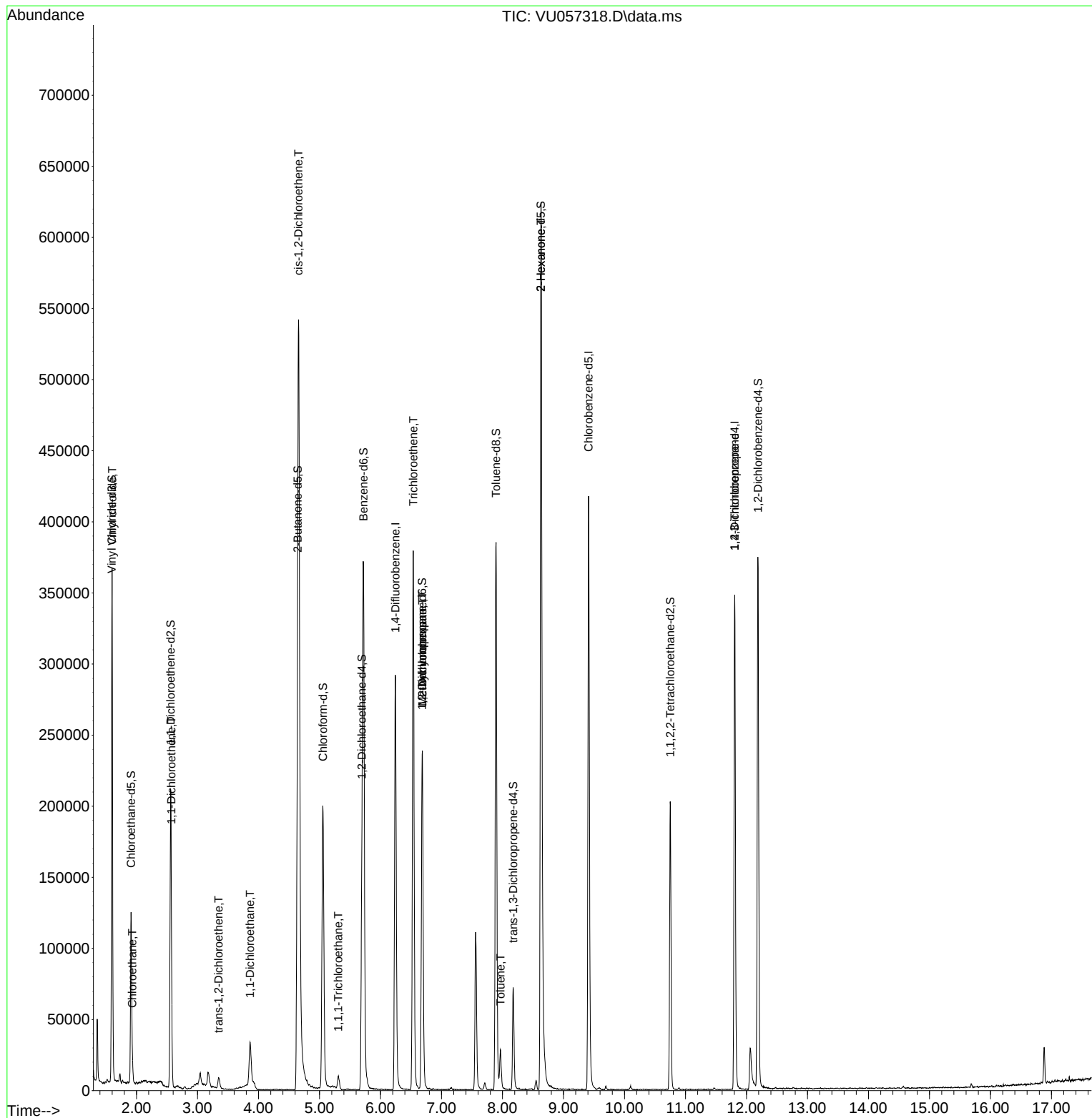
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	233032	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	234338	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92651	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	104762	5.229	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.600%
7) Chloroethane-d5	1.910	69	93326	5.800	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.000%
11) 1,1-Dichloroethene-d2	2.560	65	40142	5.034	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.600%
20) 2-Butanone-d5	4.640	46	282806	62.328	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.660%
24) Chloroform-d	5.055	84	193678	5.437	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.800%
26) 1,2-Dichloroethane-d4	5.695	65	106472	5.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.000%
32) Benzene-d6	5.721	84	350969	5.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
36) 1,2-Dichloropropane-d6	6.682	67	119455	5.707	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.200%
41) Toluene-d8	7.894	98	267156	4.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.174	79	42730	5.088	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.800%
46) 2-Hexanone-d5	8.630	63	221435	58.211	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.420%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	103732	5.901	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	98266	5.825	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	167513	8.612	ug/L	100
8) Chloroethane	1.933	64	4689	0.372	ug/L	93
12) 1,1-Dichloroethene	2.570	96	4394	0.289	ug/L #	1
18) trans-1,2-Dichloroethene	3.345	96	3289	0.218	ug/L	92
19) 1,1-Dichloroethane	3.862	63	35586	1.120	ug/L	94
22) cis-1,2-Dichloroethene	4.656	96	236732	13.551	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	6782	0.228	ug/L #	88
34) Trichloroethene	6.537	95	136056	7.563	ug/L	98
35) Methylcyclohexane	6.685	83	27505	1.171	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	12592	0.670	ug/L #	90
42) Toluene	7.968	91	19243	0.265	ug/L	97
48) 2-Hexanone	8.630	43	29989	4.250	ug/L #	74
61) 1,2,3-Trichloropropane	11.807	75	12101	1.251	ug/L #	69

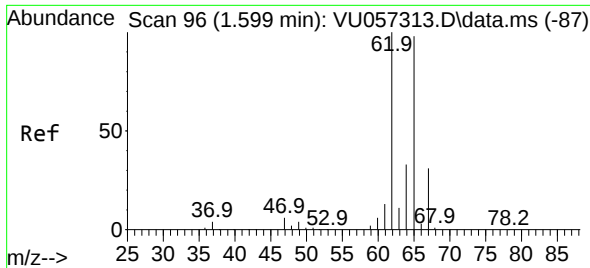
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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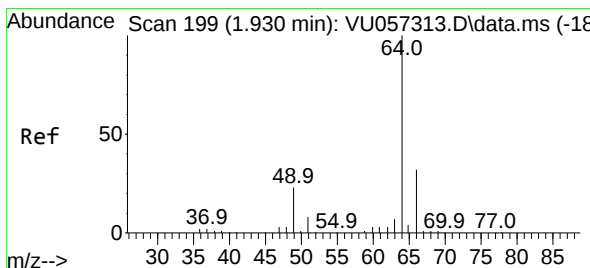
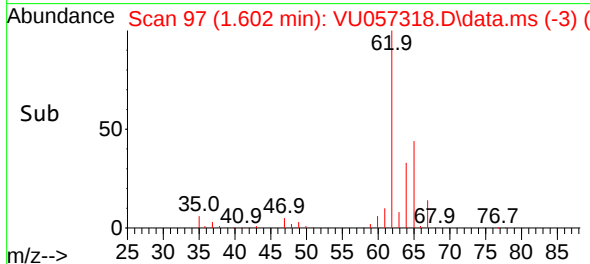
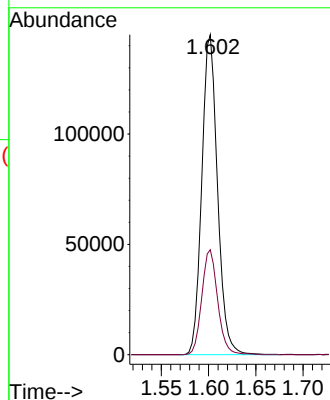
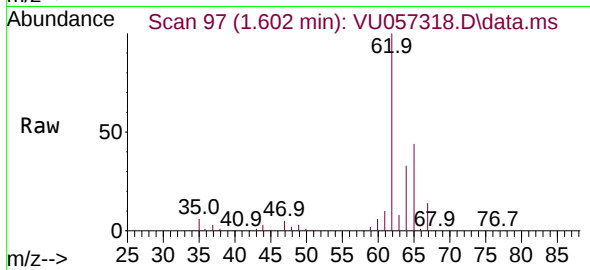




#5
 Vinyl chloride
 Concen: 8.612 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU057318.D
 Acq: 28 Dec 2023 07:59

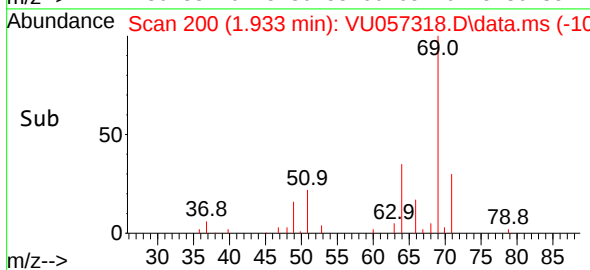
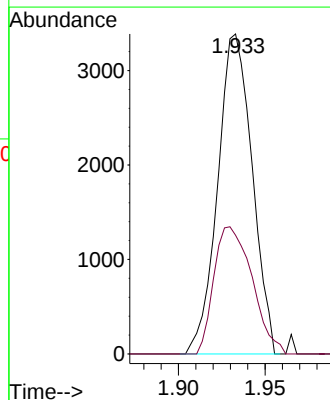
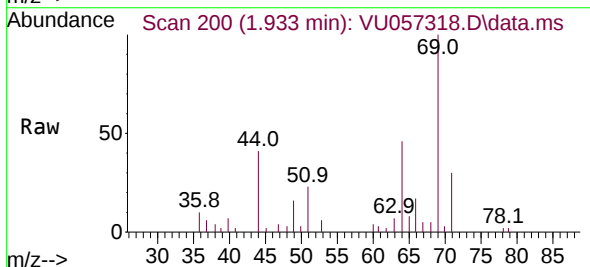
Instrument :
 MSVOA_U
 ClientSampleId :

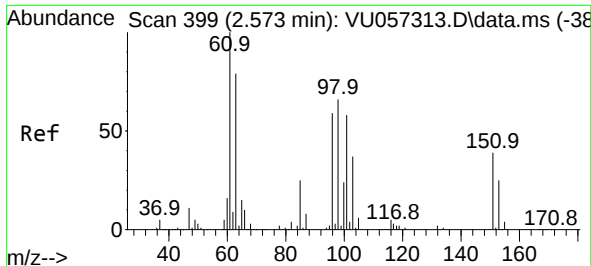
Tgt Ion: 62 Resp: 167513
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#8
 Chloroethane
 Concen: 0.372 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. 0.003 min
 Lab File: VU057318.D
 Acq: 28 Dec 2023 07:59

Tgt Ion: 64 Resp: 4689
 Ion Ratio Lower Upper
 64 100
 66 37.1 23.3 43.3





#12

1,1-Dichloroethene

Concen: 0.289 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

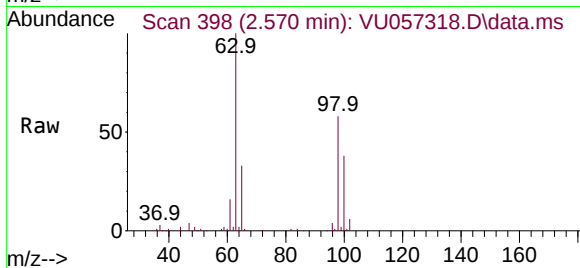
Lab File: VU057318.D

Acq: 28 Dec 2023 07:59

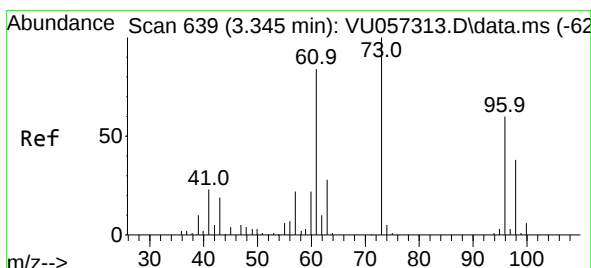
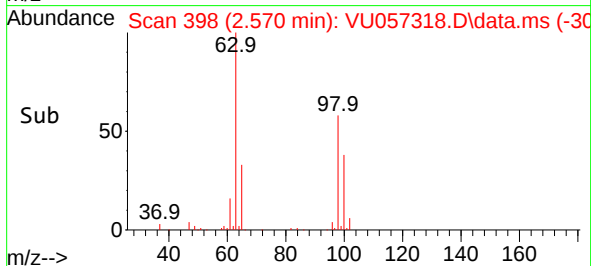
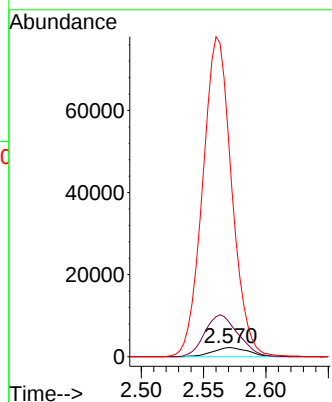
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	4394
Ion	Ratio	Lower	Upper
96	100		
61	321.9	122.2	226.9#
63	2017.0	99.2	184.2#



#18

trans-1,2-Dichloroethene

Concen: 0.218 ug/L

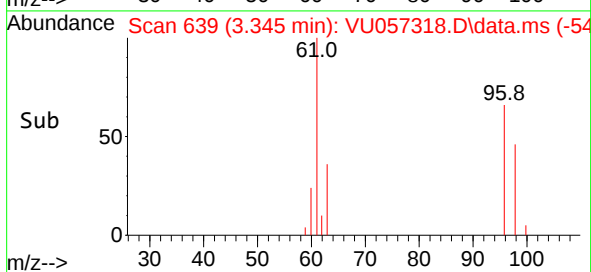
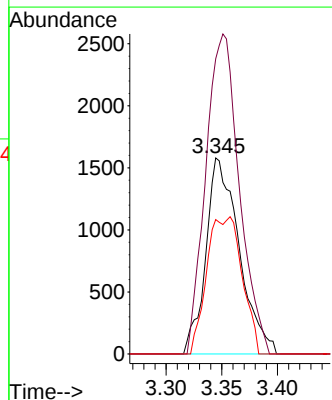
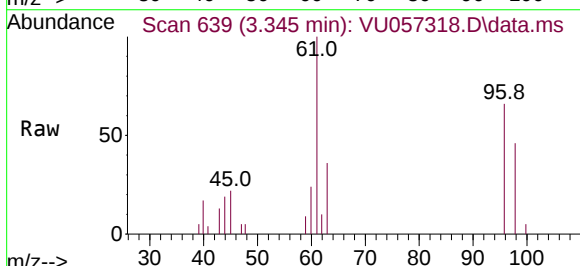
RT: 3.345 min Scan# 639

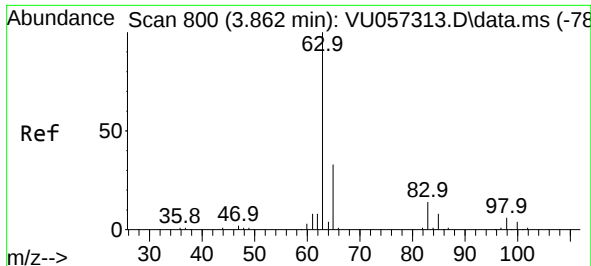
Delta R.T. -0.000 min

Lab File: VU057318.D

Acq: 28 Dec 2023 07:59

Tgt Ion:	96	Resp:	3289
Ion	Ratio	Lower	Upper
96	100		
61	150.6	97.5	181.1
98	68.5	45.9	85.3





#19

1,1-Dichloroethane

Concen: 1.120 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU057318.D

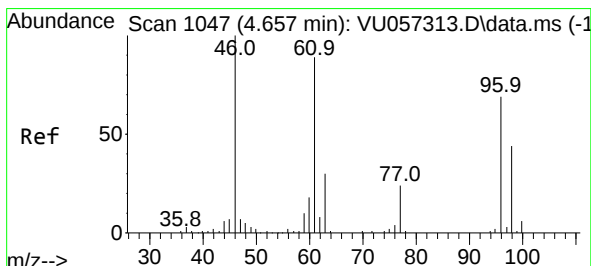
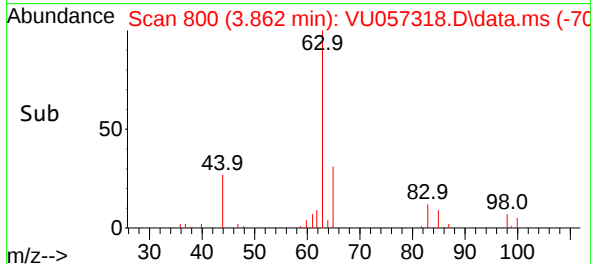
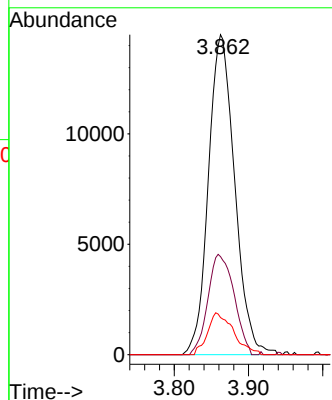
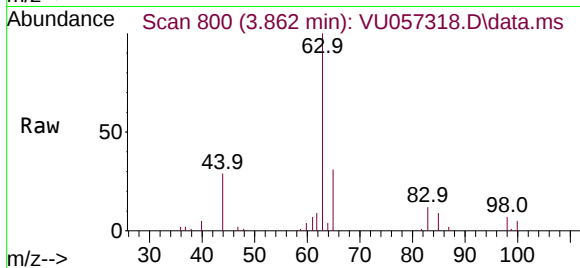
Acq: 28 Dec 2023 07:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	35586
Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.6	43.8
83	11.6	9.8	18.2



#22

cis-1,2-Dichloroethene

Concen: 13.551 ug/L

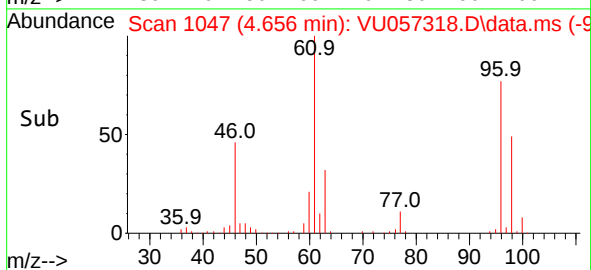
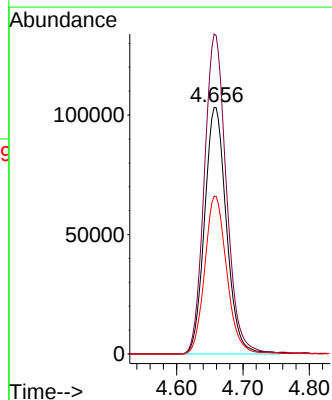
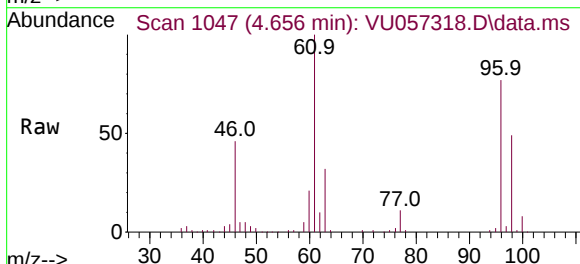
RT: 4.656 min Scan# 1047

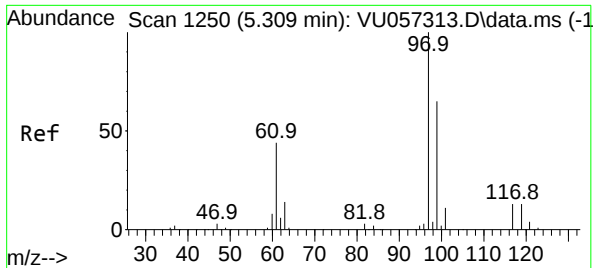
Delta R.T. -0.000 min

Lab File: VU057318.D

Acq: 28 Dec 2023 07:59

Tgt Ion:	96	Resp:	236732
Ion	Ratio	Lower	Upper
96	100		
61	129.8	91.1	169.3
98	64.0	42.6	79.0

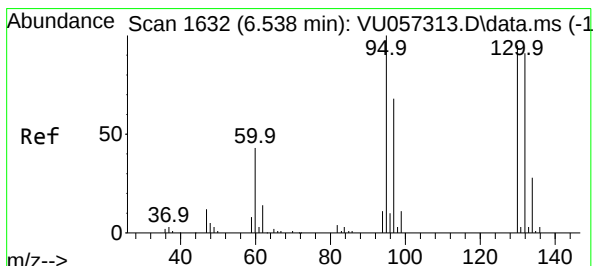
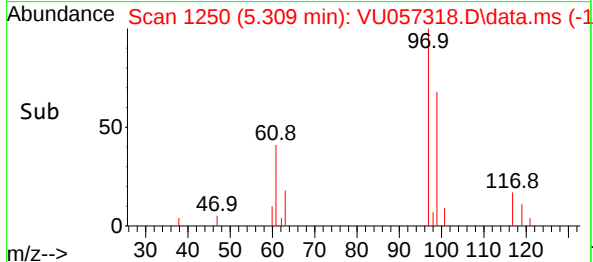
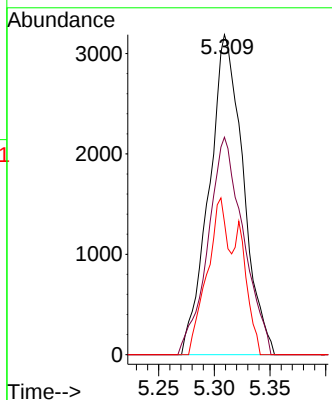
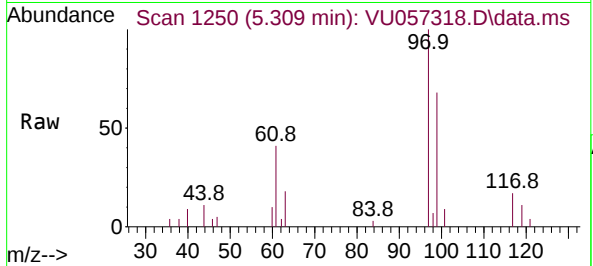




#29
 1,1,1-Trichloroethane
 Concen: 0.228 ug/L
 RT: 5.309 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU057318.D
 Acq: 28 Dec 2023 07:59

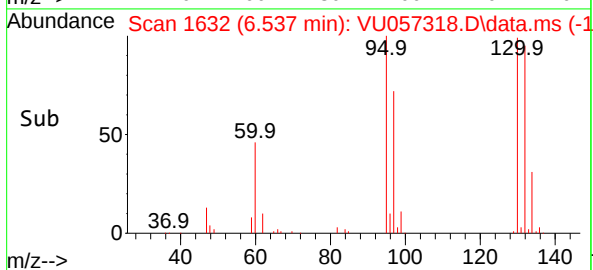
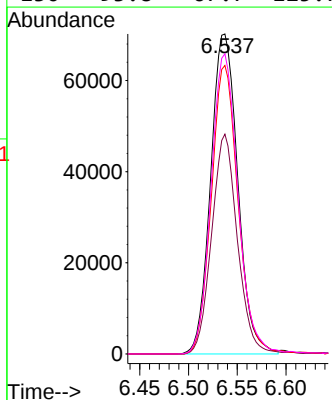
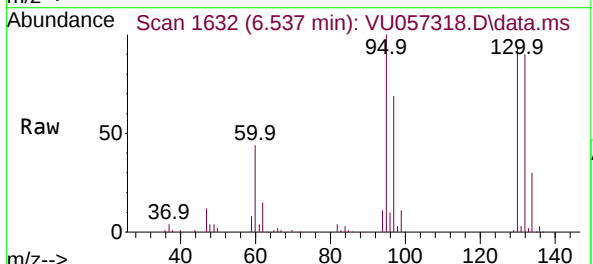
Instrument :
 MSVOA_U
 ClientSampleId :

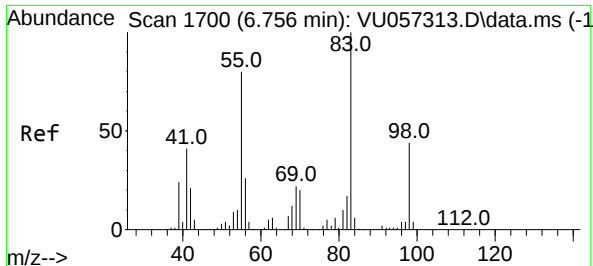
Tgt Ion:	97	Resp:	6782
Ion	Ratio	Lower	Upper
97	100		
99	70.5	51.7	77.5
61	31.3	34.1	51.1#



#34
 Trichloroethene
 Concen: 7.563 ug/L
 RT: 6.537 min Scan# 1632
 Delta R.T. -0.000 min
 Lab File: VU057318.D
 Acq: 28 Dec 2023 07:59

Tgt Ion:	95	Resp:	136056
Ion	Ratio	Lower	Upper
95	100		
97	68.7	45.3	84.1
132	90.1	63.1	117.3
130	93.8	67.7	125.7





#35

Methylcyclohexane

Concen: 1.171 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU057318.D

Acq: 28 Dec 2023 07:59

Instrument :

MSVOA_U

ClientSampleId :

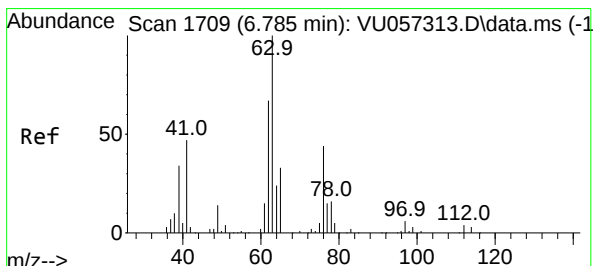
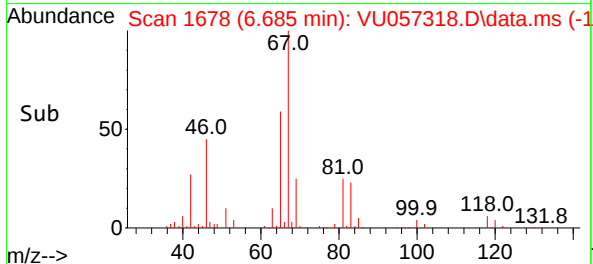
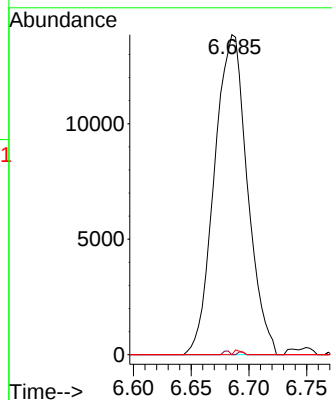
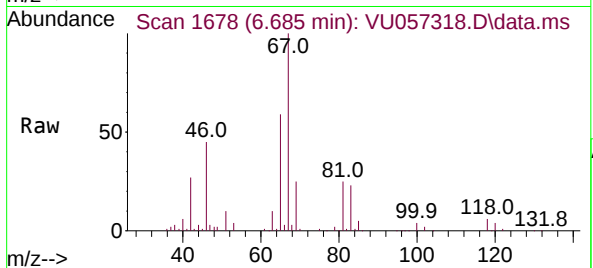
Tgt Ion: 83 Resp: 27505

Ion Ratio Lower Upper

83 100

55 0.2 65.4 98.2#

98 0.0 35.3 52.9#



#37

1,2-Dichloropropane

Concen: 0.670 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.100 min

Lab File: VU057318.D

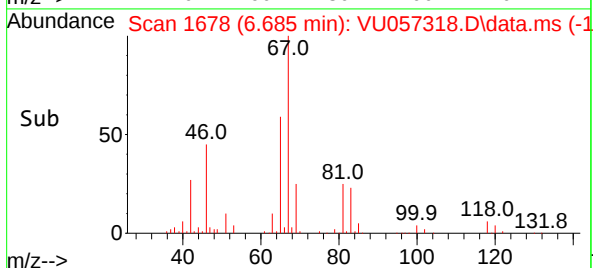
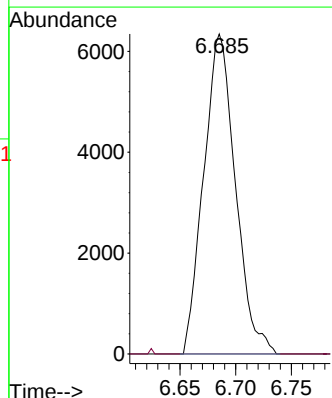
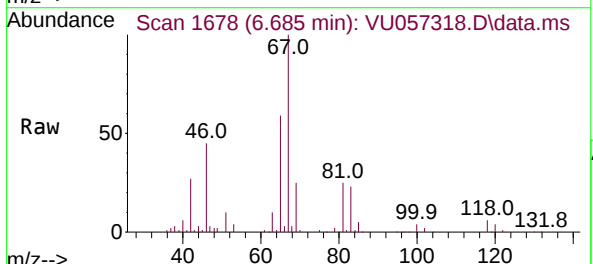
Acq: 28 Dec 2023 07:59

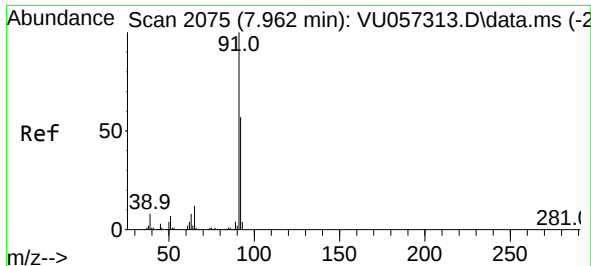
Tgt Ion: 63 Resp: 12592

Ion Ratio Lower Upper

63 100

112 0.2 2.9 4.3#

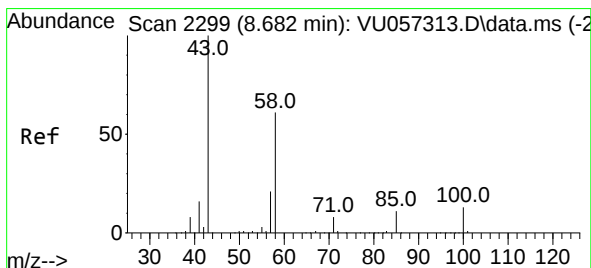
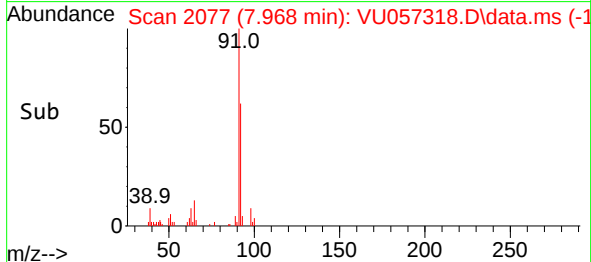
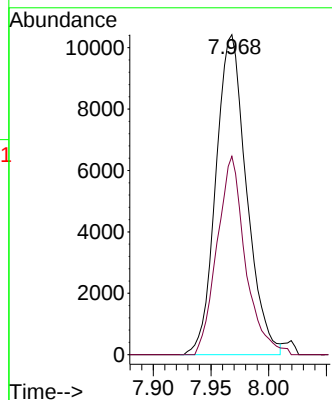
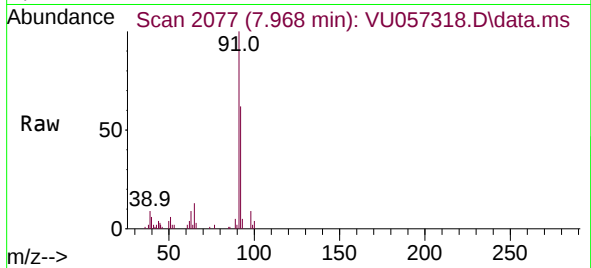




#42
Toluene
Concen: 0.265 ug/L
RT: 7.968 min Scan# 2075
Delta R.T. 0.006 min
Lab File: VU057318.D
Acq: 28 Dec 2023 07:59

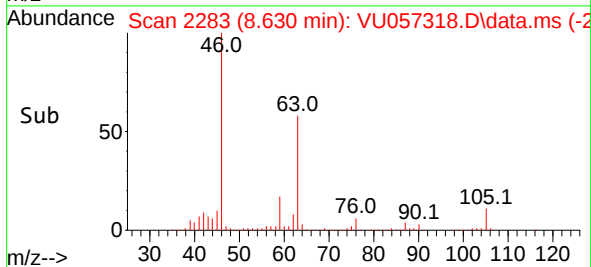
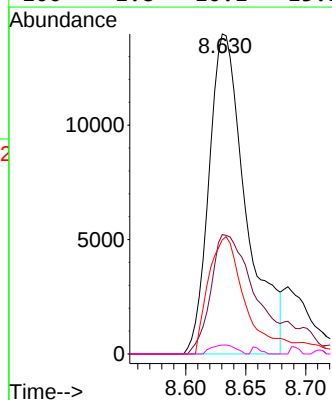
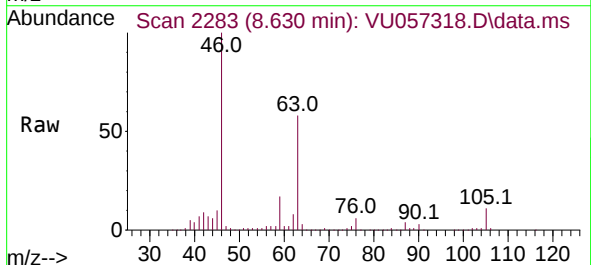
Instrument :
MSVOA_U
ClientSampleId :

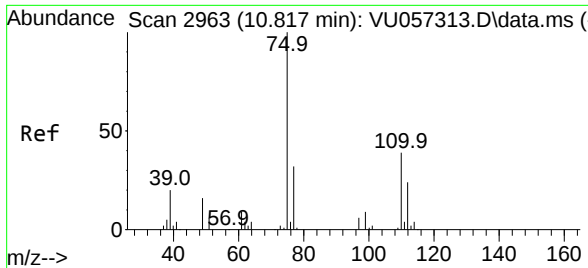
Tgt Ion: 91 Resp: 19243
Ion Ratio Lower Upper
91 100
92 62.0 41.6 77.2



#48
2-Hexanone
Concen: 4.250 ug/L
RT: 8.630 min Scan# 2283
Delta R.T. -0.052 min
Lab File: VU057318.D
Acq: 28 Dec 2023 07:59

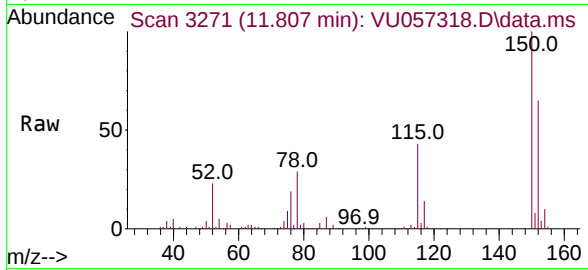
Tgt Ion: 43 Resp: 29989
Ion Ratio Lower Upper
43 100
58 43.3 48.4 72.6#
57 39.2 17.4 26.2#
100 1.8 10.1 15.1#





#61
1,2,3-Trichloropropane
Concen: 1.251 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU057318.D
Acq: 28 Dec 2023 07:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 12101
Ion Ratio Lower Upper
75 100
110 2.6 29.0 43.6#
77 31.5 25.4 38.2

