

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057299.D
 Acq On : 27 Dec 2023 23:53
 Operator : MD/SY
 Sample : 06021-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 01:50:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:43:53 2023
 Response via : Initial Calibration

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

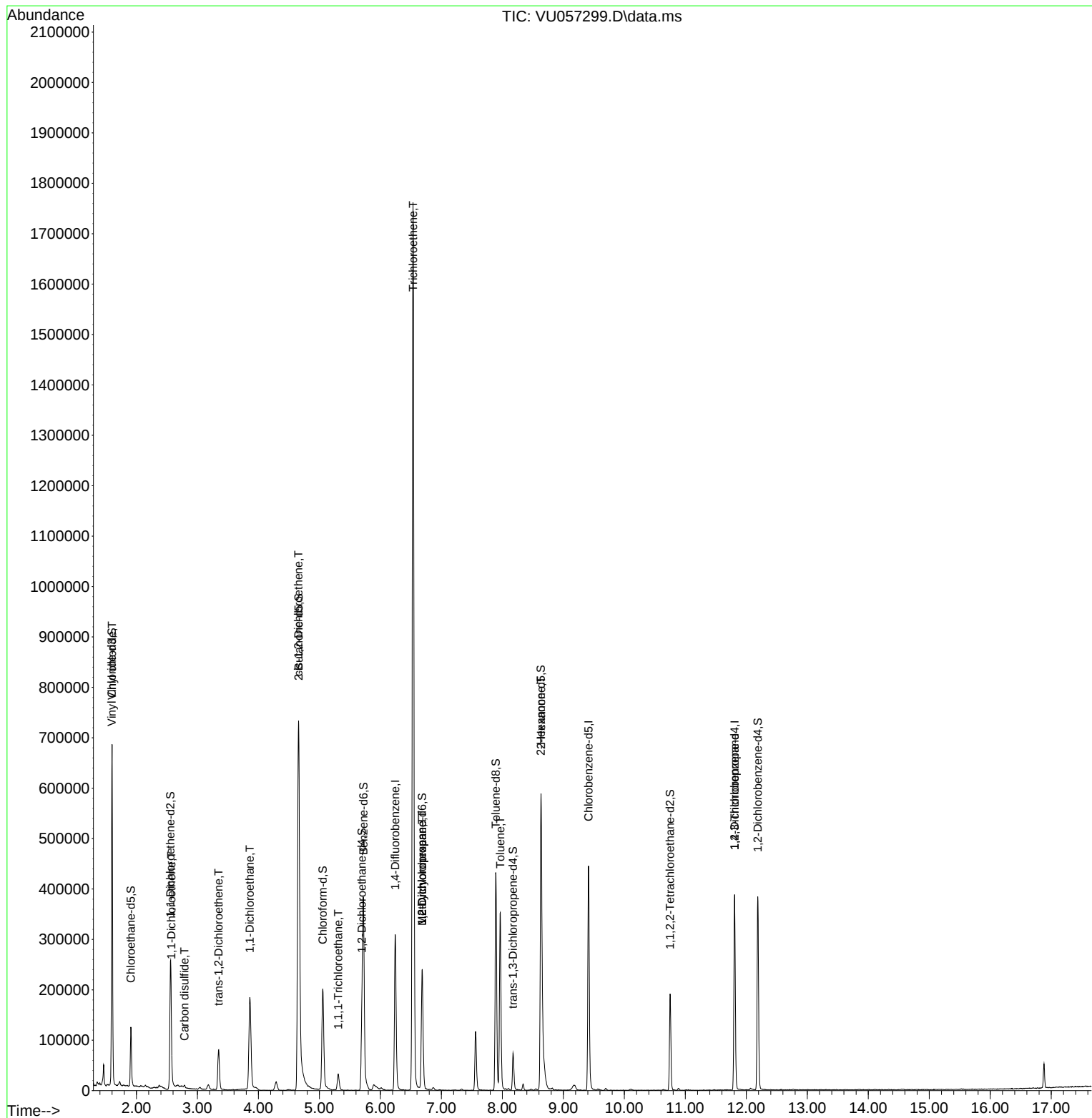
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	249297	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	248862	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100965	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	111824	5.218	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.400%
7) Chloroethane-d5	1.908	69	89717	5.212	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.200%
11) 1,1-Dichloroethene-d2	2.557	65	45100	5.287	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.800%
20) 2-Butanone-d5	4.660	46	250151	51.534	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.060%
24) Chloroform-d	5.055	84	192577	5.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.695	65	100876	5.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.721	84	358634	5.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.686	67	120076	5.402	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.000%
41) Toluene-d8	7.891	98	286389	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.174	79	43790	4.909	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.631	63	205054	50.759	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	94529	5.063	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	101119	5.500	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	383963	18.451	ug/L	99
12) 1,1-Dichloroethene	2.570	96	7469	0.458	ug/L #	1
14) Carbon disulfide	2.785	76	7962	0.171	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	33920	2.098	ug/L	95
19) 1,1-Dichloroethane	3.859	63	214479	6.312	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	344807	18.450	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	23435	0.743	ug/L	99
34) Trichloroethene	6.534	95	626076	32.771	ug/L	99
35) Methylcyclohexane	6.682	83	28781	1.153	ug/L #	17
37) 1,2-Dichloropropane	6.686	63	12767	0.640	ug/L #	90
42) Toluene	7.965	91	257855	3.341	ug/L	99
48) 2-Hexanone	8.634	43	49676	6.630	ug/L #	61
61) 1,2,3-Trichloropropane	11.807	75	12839	1.218	ug/L #	68

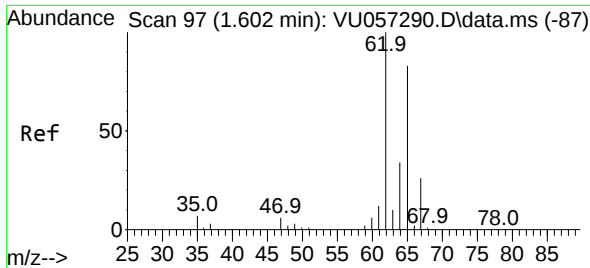
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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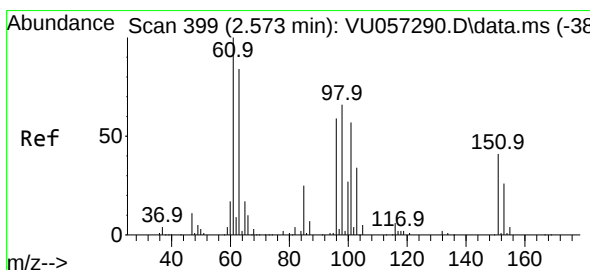
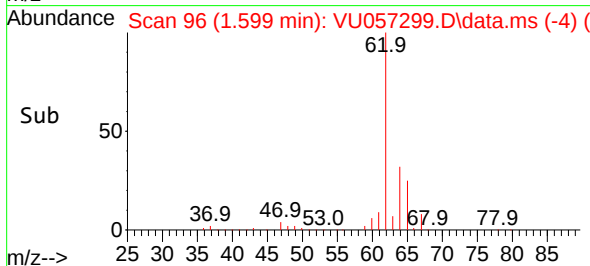
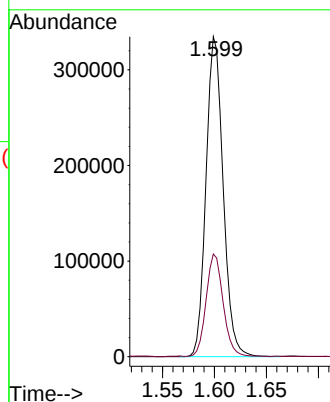
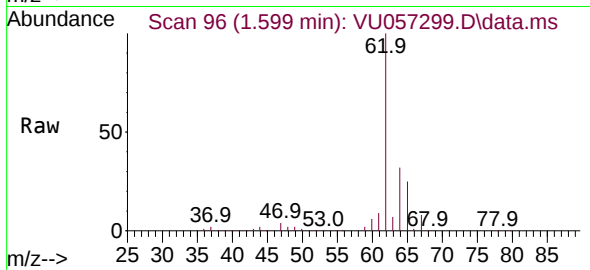




#5
 Vinyl chloride
 Concen: 18.451 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU057299.D
 Acq: 27 Dec 2023 23:53

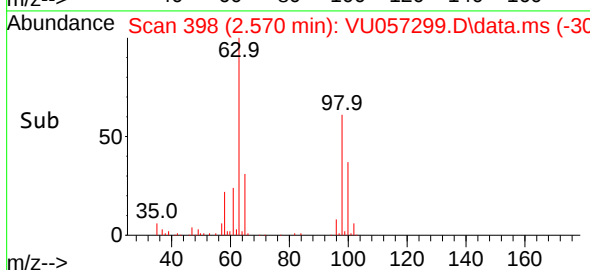
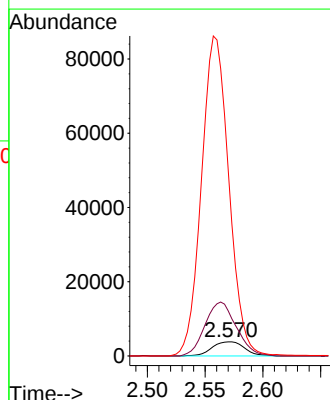
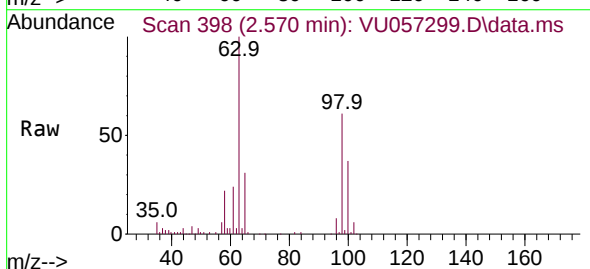
Instrument :
 MSVOA_U
 ClientSampleId :

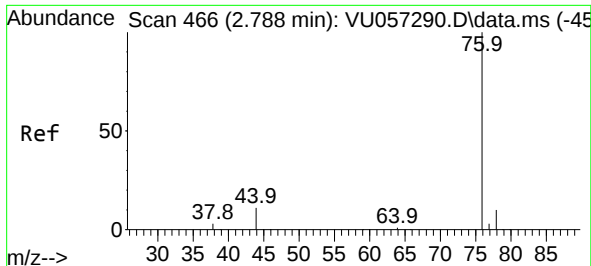
Tgt Ion: 62 Resp: 383963
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.458 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU057299.D
 Acq: 27 Dec 2023 23:53

Tgt Ion: 96 Resp: 7469
 Ion Ratio Lower Upper
 96 100
 61 320.5 122.2 226.9#
 63 1322.9 99.2 184.2#





#14

Carbon disulfide

Concen: 0.171 ug/L

RT: 2.785 min Scan# 4

Delta R.T. -0.003 min

Lab File: VU057299.D

Acq: 27 Dec 2023 23:53

Instrument :

MSVOA_U

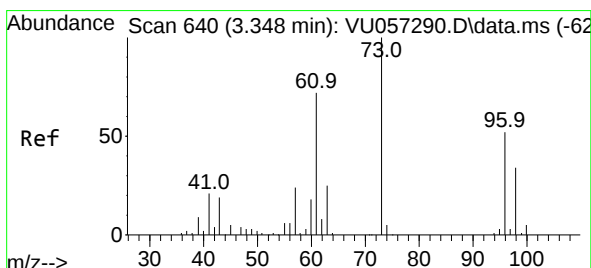
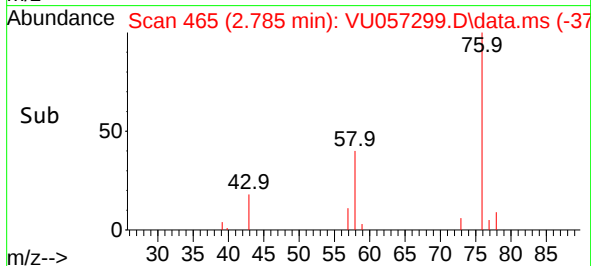
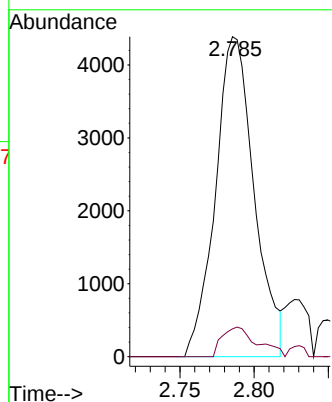
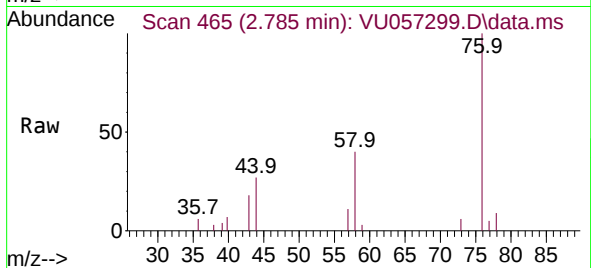
ClientSampleId :

Tgt Ion: 76 Resp: 7962

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



#18

trans-1,2-Dichloroethene

Concen: 2.098 ug/L

RT: 3.345 min Scan# 639

Delta R.T. -0.003 min

Lab File: VU057299.D

Acq: 27 Dec 2023 23:53

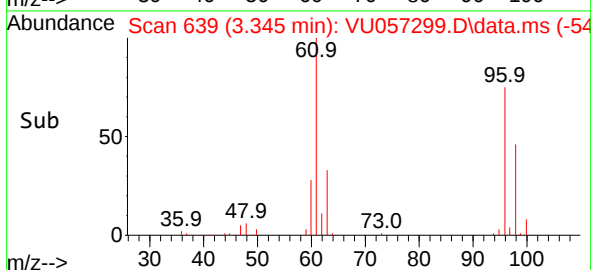
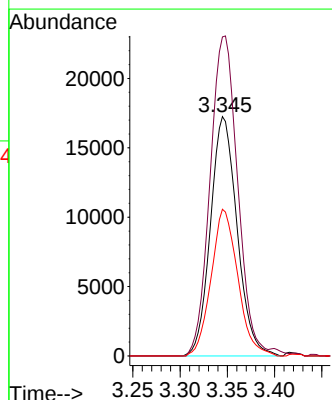
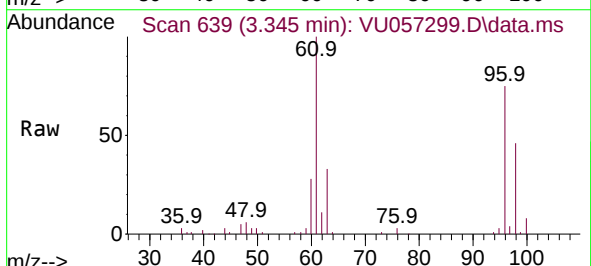
Tgt Ion: 96 Resp: 33920

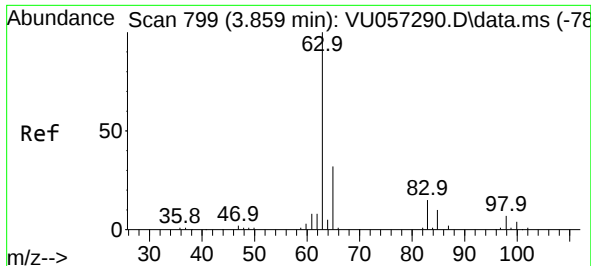
Ion Ratio Lower Upper

96 100

61 133.3 97.5 181.1

98 61.3 45.9 85.3





#19

1,1-Dichloroethane

Concen: 6.312 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU057299.D

Acq: 27 Dec 2023 23:53

Instrument :

MSVOA_U

ClientSampleId :

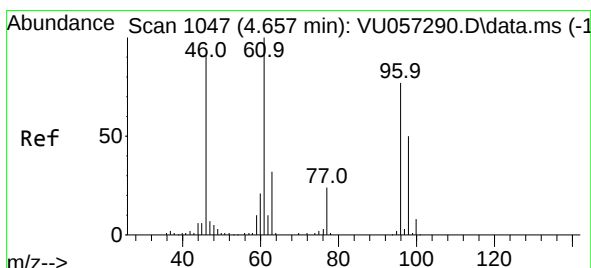
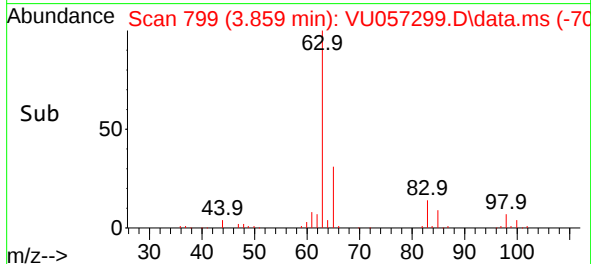
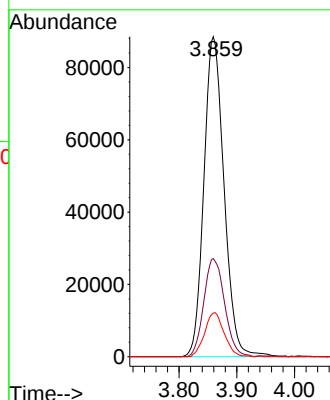
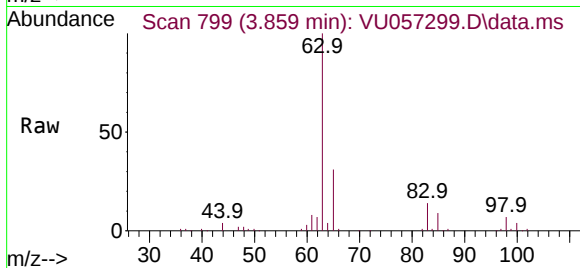
Tgt Ion: 63 Resp: 214479

Ion Ratio Lower Upper

63 100

65 30.7 23.6 43.8

83 13.6 9.8 18.2



#22

cis-1,2-Dichloroethene

Concen: 18.450 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU057299.D

Acq: 27 Dec 2023 23:53

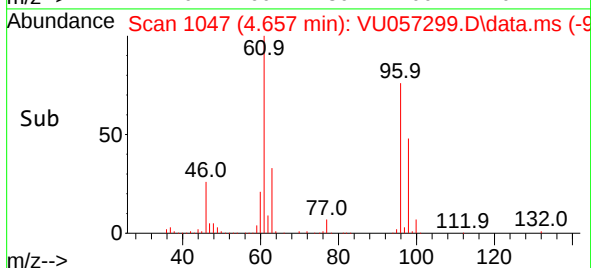
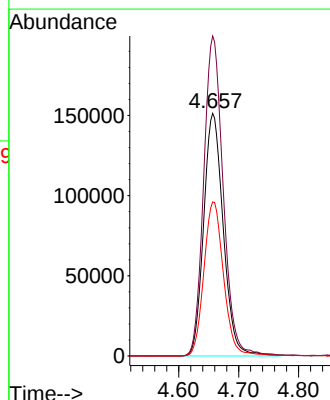
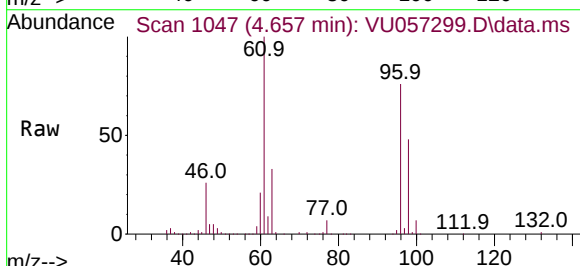
Tgt Ion: 96 Resp: 344807

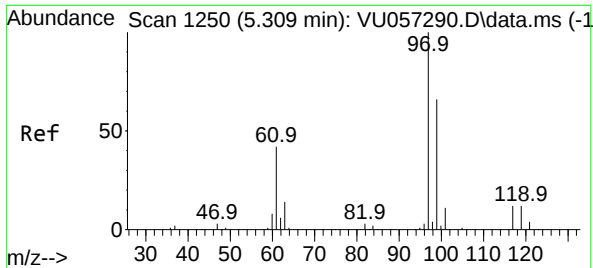
Ion Ratio Lower Upper

96 100

61 131.9 91.1 169.3

98 63.5 42.6 79.0

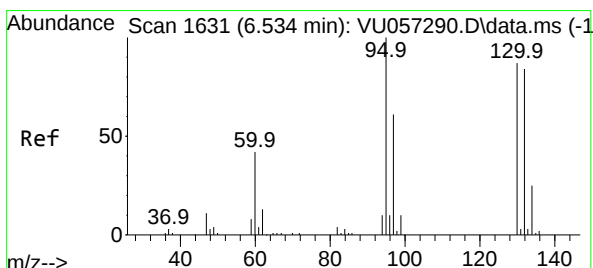
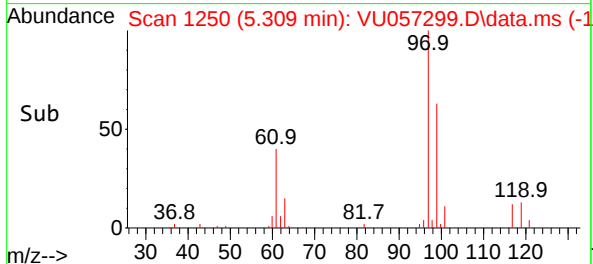
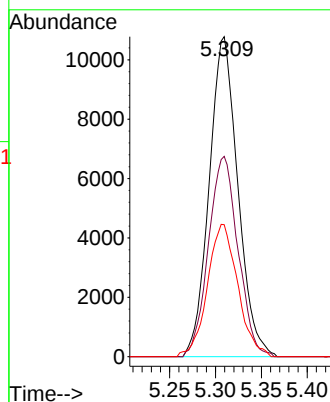
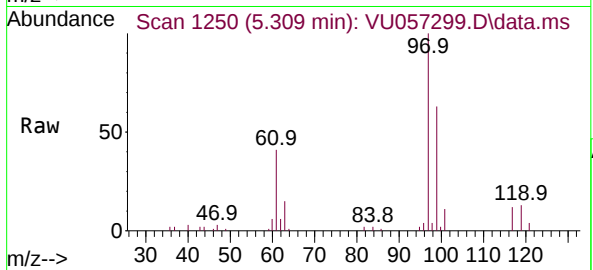




#29
1,1,1-Trichloroethane
Concen: 0.743 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057299.D
Acq: 27 Dec 2023 23:53

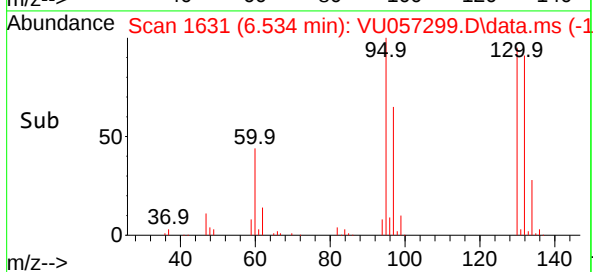
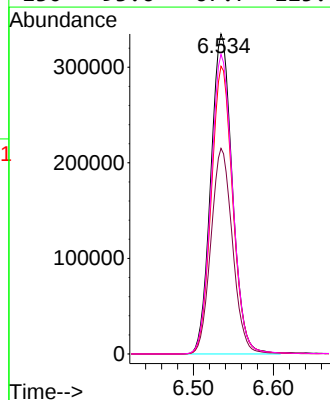
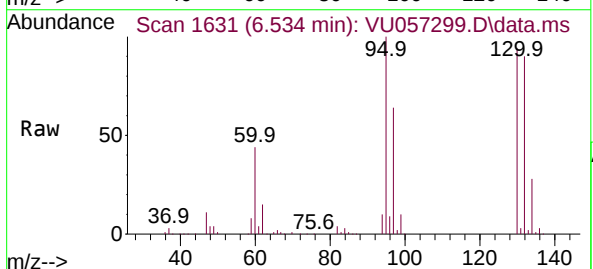
Instrument :
MSVOA_U
ClientSampleId :

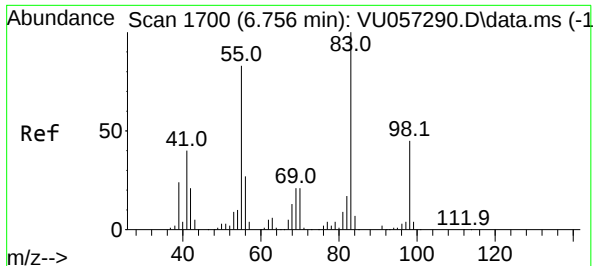
Tgt Ion:	97	Resp:	23435
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	43.7	34.1	51.1



#34
Trichloroethene
Concen: 32.771 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU057299.D
Acq: 27 Dec 2023 23:53

Tgt Ion:	95	Resp:	626076
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.3	84.1
132	89.9	63.1	117.3
130	93.6	67.7	125.7

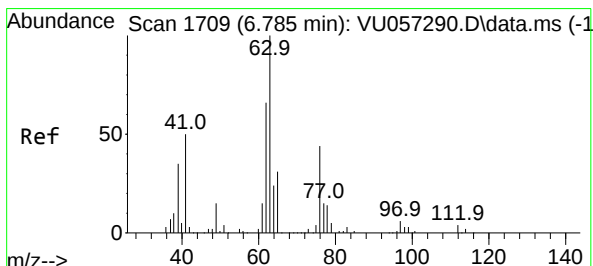
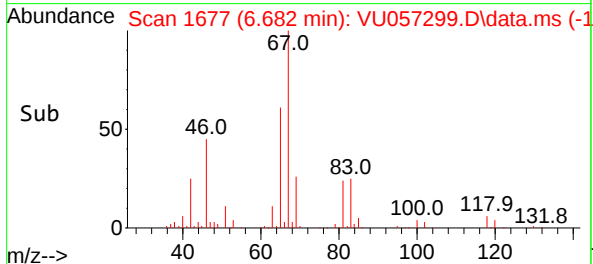
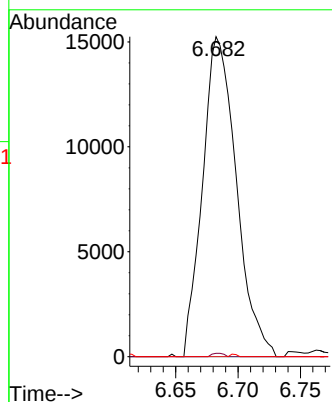
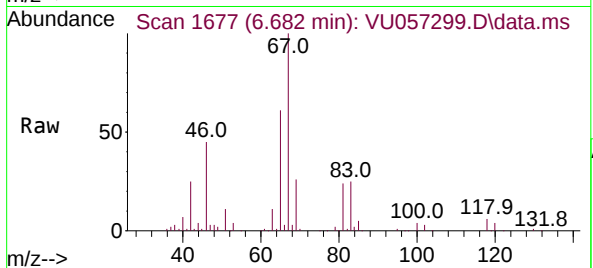




#35
Methylcyclohexane
Concen: 1.153 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU057299.D
Acq: 27 Dec 2023 23:53

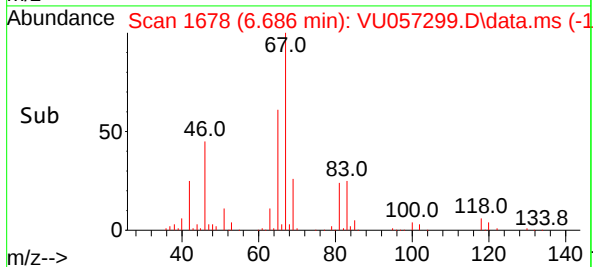
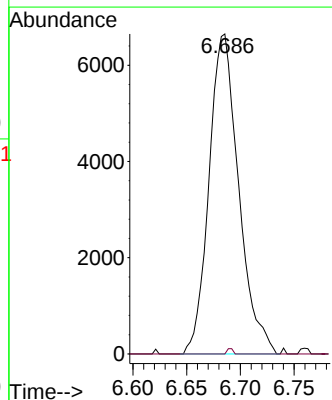
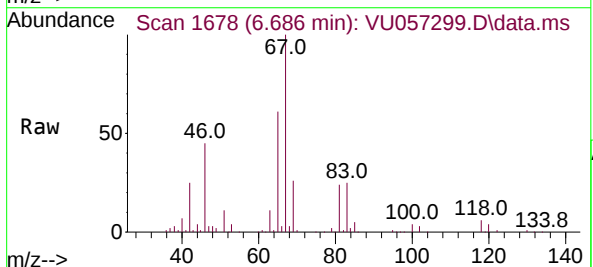
Instrument :
MSVOA_U
ClientSampleId :

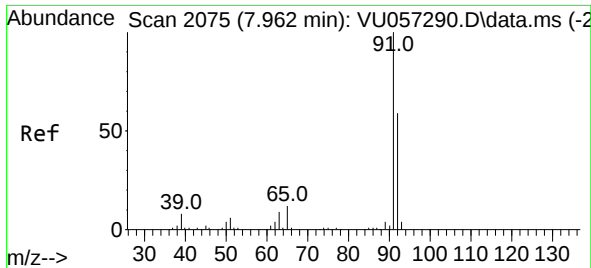
Tgt Ion: 83 Resp: 28781
Ion Ratio Lower Upper
83 100
55 0.4 65.4 98.2#
98 0.0 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.640 ug/L
RT: 6.686 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU057299.D
Acq: 27 Dec 2023 23:53

Tgt Ion: 63 Resp: 12767
Ion Ratio Lower Upper
63 100
112 0.3 2.9 4.3#





#42

Toluene

Concen: 3.341 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057299.D

Acq: 27 Dec 2023 23:53

Instrument :

MSVOA_U

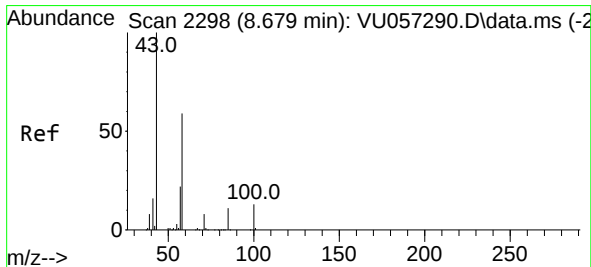
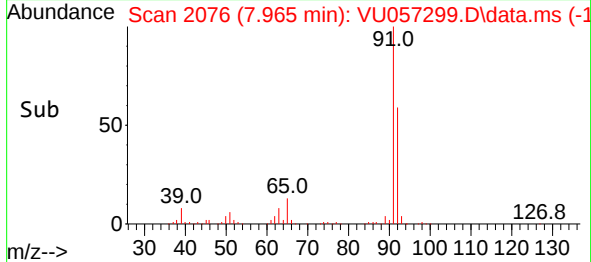
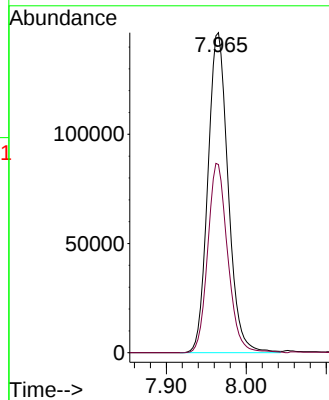
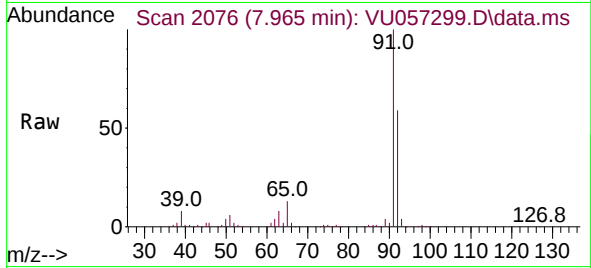
ClientSampleId :

Tgt Ion: 91 Resp: 257855

Ion Ratio Lower Upper

91 100

92 58.8 41.6 77.2



#48

2-Hexanone

Concen: 6.630 ug/L

RT: 8.634 min Scan# 2284

Delta R.T. -0.045 min

Lab File: VU057299.D

Acq: 27 Dec 2023 23:53

Tgt Ion: 43 Resp: 49676

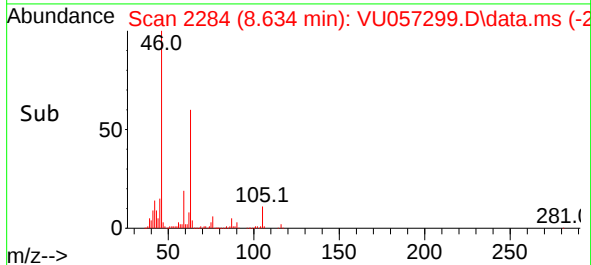
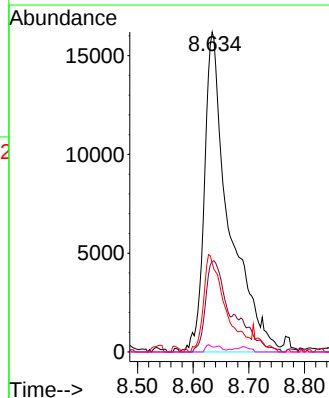
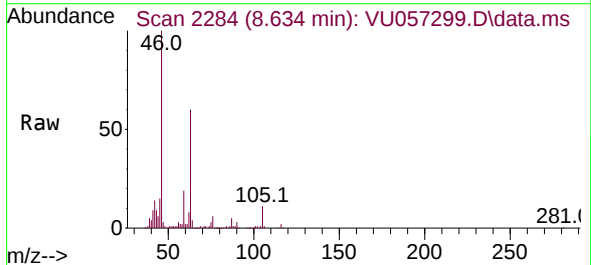
Ion Ratio Lower Upper

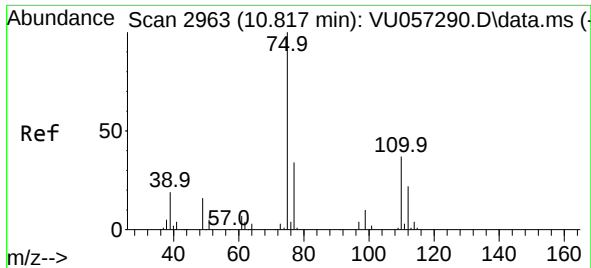
43 100

58 22.0 48.4 72.6#

57 26.5 17.4 26.2#

100 0.7 10.1 15.1#





#61

1,2,3-Trichloropropane

Concen: 1.218 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

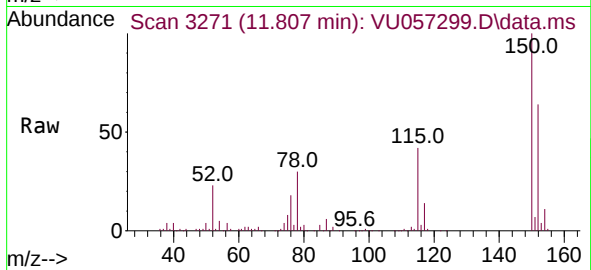
Lab File: VU057299.D

Acq: 27 Dec 2023 23:53

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 12839

Ion Ratio Lower Upper

75 100

110 2.6 29.0 43.6#

77 33.8 25.4 38.2

