

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057320.D
 Acq On : 28 Dec 2023 08:47
 Operator : MD/SY
 Sample : 06021-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 20:47:11 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	239423	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	246622	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	98487	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	113056	5.493	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.800%
7) Chloroethane-d5	1.911	69	96165	5.817	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.400%
11) 1,1-Dichloroethene-d2	2.560	65	45542	5.559	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.200%
20) 2-Butanone-d5	4.637	46	290041	62.216	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.440%
24) Chloroform-d	5.055	84	203336	5.555	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.200%
26) 1,2-Dichloroethane-d4	5.695	65	108626	5.807	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.200%
32) Benzene-d6	5.721	84	374007	5.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
36) 1,2-Dichloropropane-d6	6.682	67	125842	5.712	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.200%
41) Toluene-d8	7.894	98	299488	4.938	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.174	79	44883	5.078	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.631	63	216370	54.046	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.100%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	101890	5.507	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	102746	5.729	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.600%
Target Compounds						
5) Vinyl chloride	1.602	62	75809	3.793	ug/L	98
12) 1,1-Dichloroethene	2.573	96	12500	0.799	ug/L #	1
14) Carbon disulfide	2.788	76	10305	0.231	ug/L #	90
18) trans-1,2-Dichloroethene	3.351	96	4889	0.315	ug/L	84
19) 1,1-Dichloroethane	3.859	63	80165	2.457	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	249397	13.895	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	8096	0.259	ug/L	98
34) Trichloroethene	6.534	95	862816	45.573	ug/L	99
35) Methylcyclohexane	6.682	83	30123	1.218	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	13335	0.675	ug/L #	89
42) Toluene	7.968	91	35351	0.462	ug/L	96
47) Tetrachloroethene	8.544	164	1907	0.143	ug/L	93
48) 2-Hexanone	8.631	43	26481	3.566	ug/L #	79
49) Dibromochloromethane	8.547	129	2140	0.131	ug/L #	11
51) Chlorobenzene	9.444	112	7414	0.159	ug/L	96
61) 1,2,3-Trichloropropane	11.807	75	12312	1.197	ug/L #	68

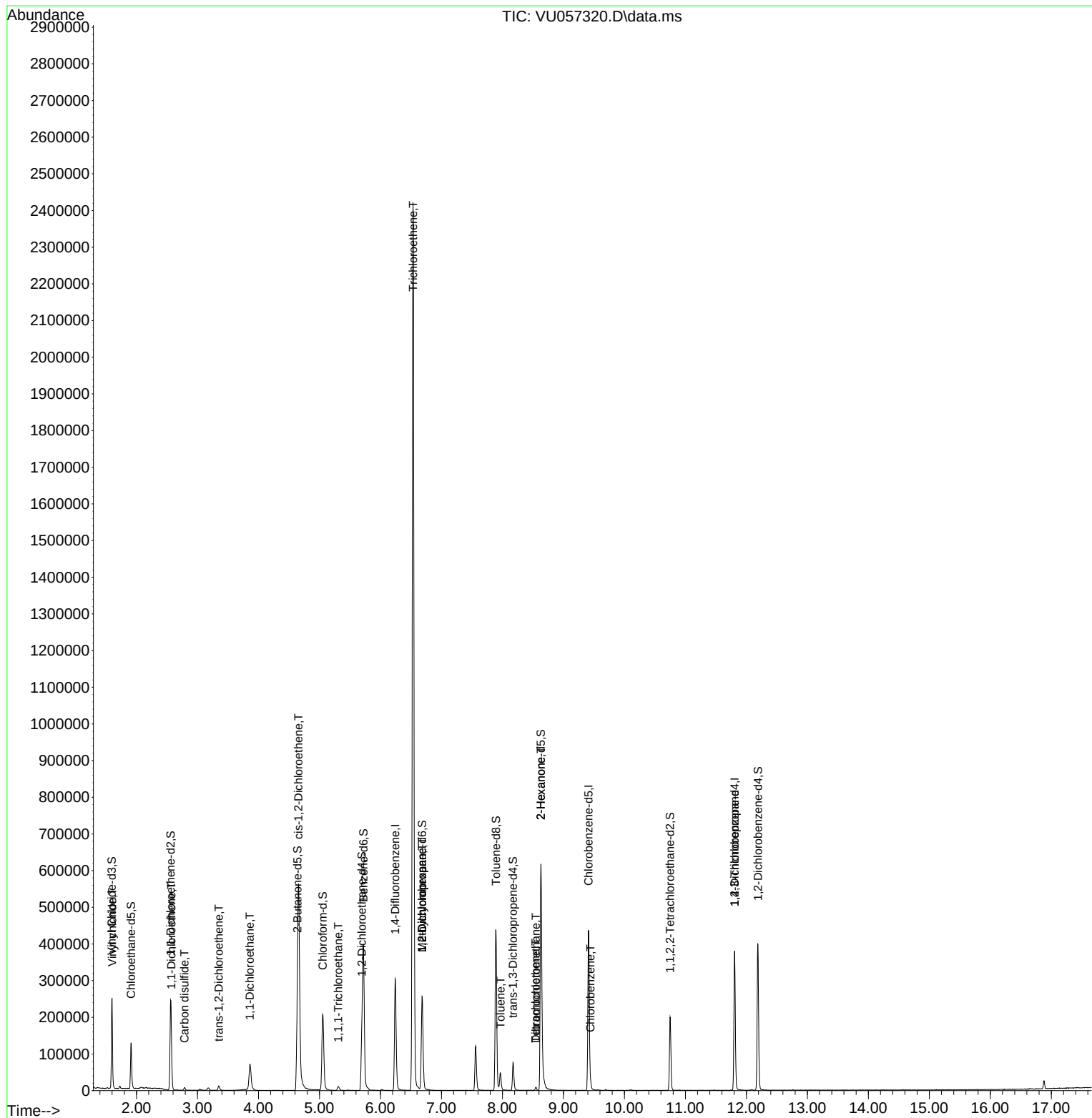
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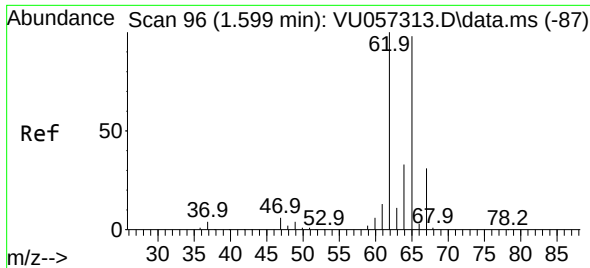
Instrument :
MSVOA_U
ClientSampleId :

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Response via : Initial Calibration

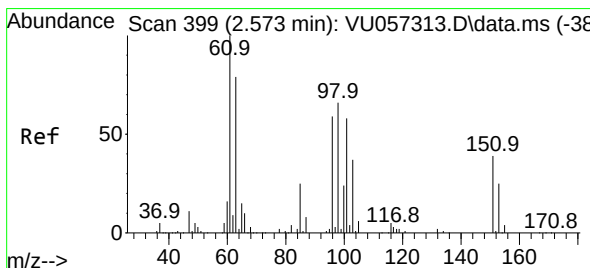
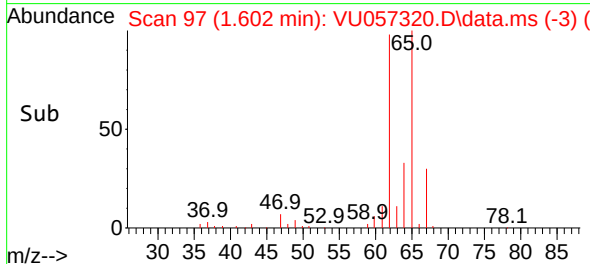
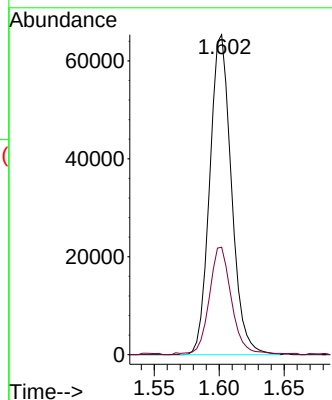
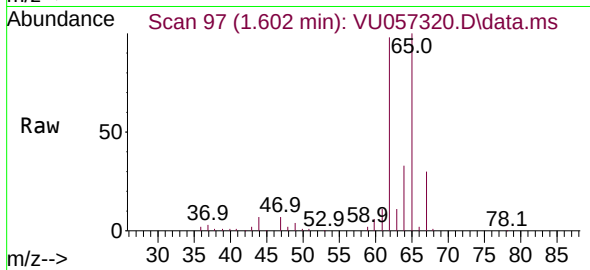




#5
 Vinyl chloride
 Concen: 3.793 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU057320.D
 Acq: 28 Dec 2023 08:47

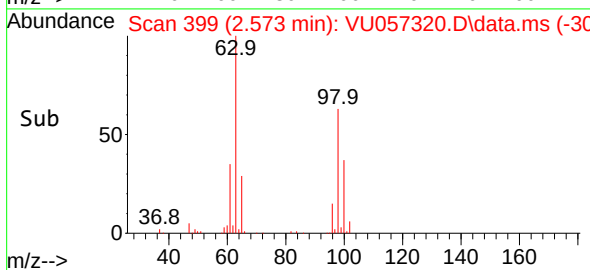
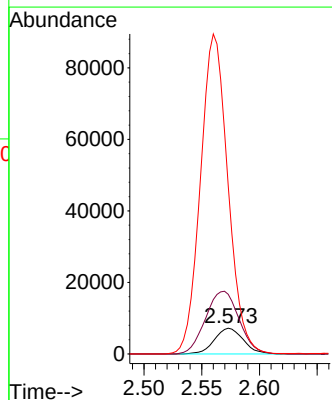
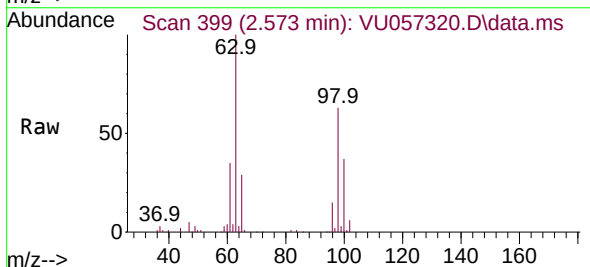
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 MSVOA_U
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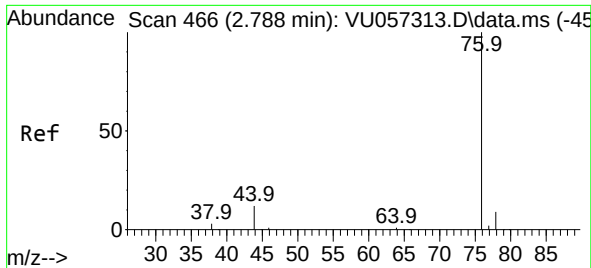
Tgt Ion: 62 Resp: 75809
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 0.799 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057320.D
 Acq: 28 Dec 2023 08:47

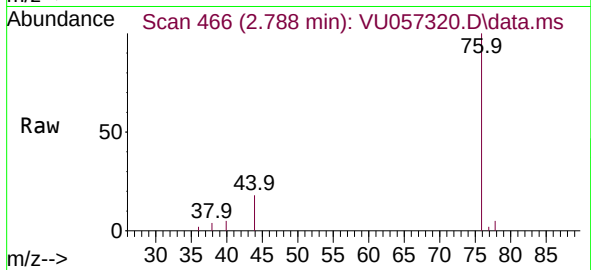
Tgt Ion: 96 Resp: 12500
 Ion Ratio Lower Upper
 96 100
 61 231.7 122.2 226.9#
 63 653.7 99.2 184.2#



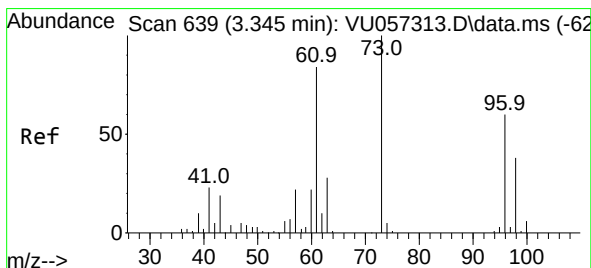
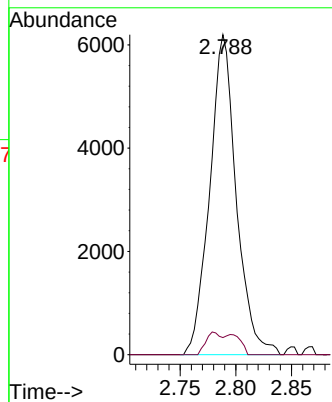
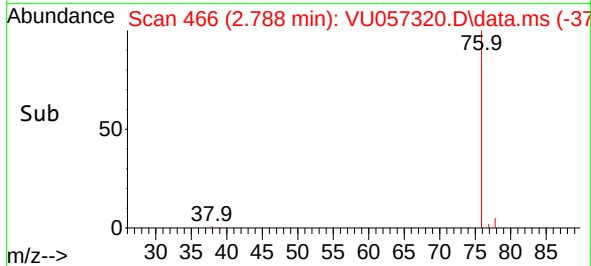


#14
Carbon disulfide
Concen: 0.231 ug/L
RT: 2.788 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

Instrument :
MSVOA_U
ClientSampleId :

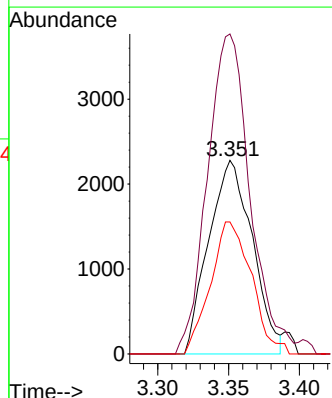
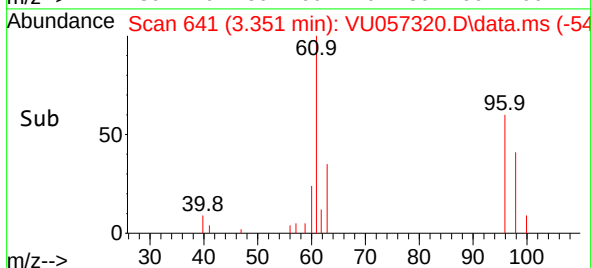
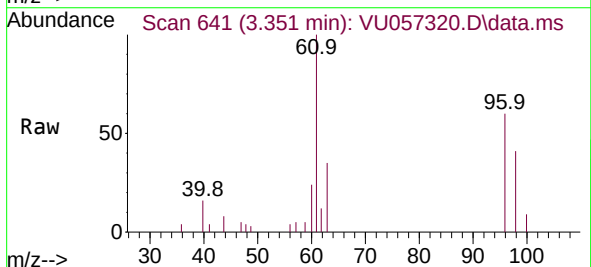


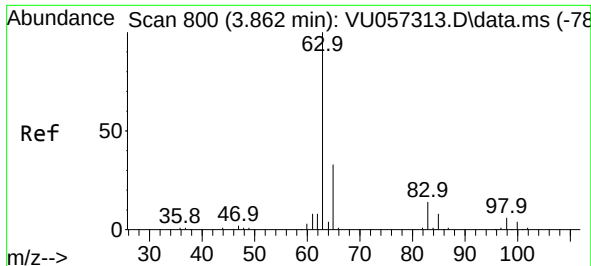
Tgt Ion: 76 Resp: 10305
Ion Ratio Lower Upper
76 100
78 5.4 7.3 10.9#



#18
trans-1,2-Dichloroethene
Concen: 0.315 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

Tgt Ion: 96 Resp: 4889
Ion Ratio Lower Upper
96 100
61 165.3 97.5 181.1
98 68.2 45.9 85.3





#19

1,1-Dichloroethane

Concen: 2.457 ug/L

RT: 3.859 min Scan# 79

Delta R.T. -0.003 min

Lab File: VU057320.D

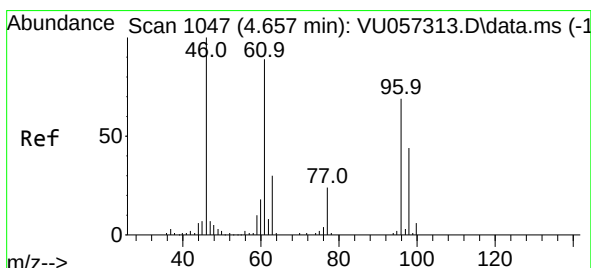
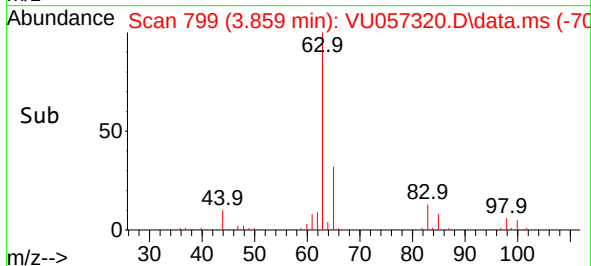
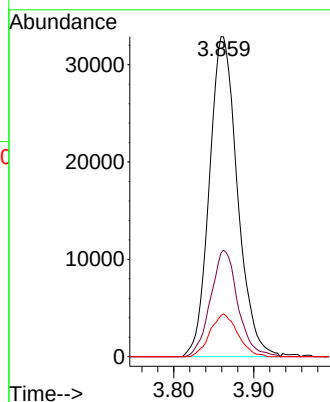
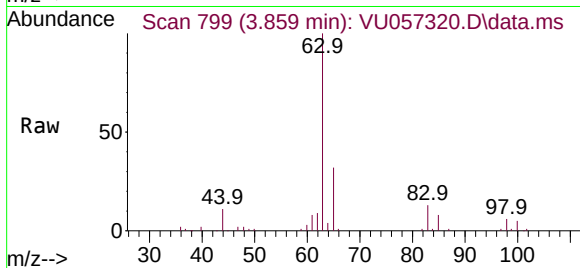
Acq: 28 Dec 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 80165
Ion Ratio	Lower Upper
63	100
65	32.4 23.6 43.8
83	12.9 9.8 18.2



#22

cis-1,2-Dichloroethene

Concen: 13.895 ug/L

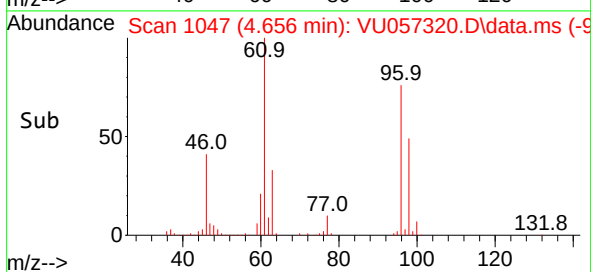
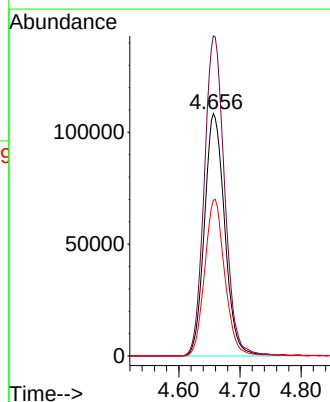
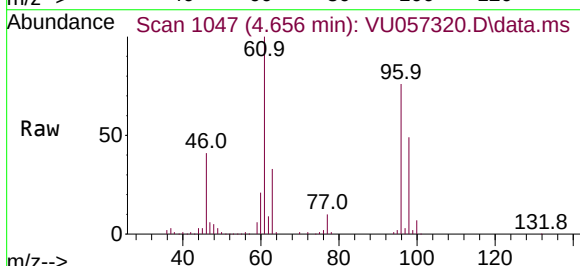
RT: 4.656 min Scan# 1047

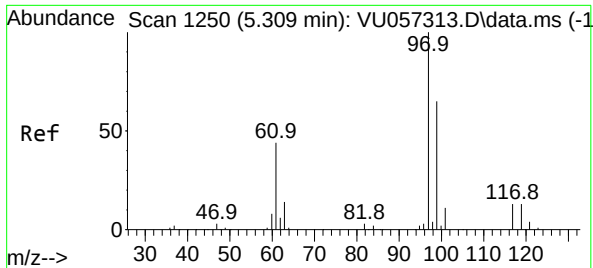
Delta R.T. -0.000 min

Lab File: VU057320.D

Acq: 28 Dec 2023 08:47

Tgt Ion: 96	Resp: 249397
Ion Ratio	Lower Upper
96	100
61	132.0 91.1 169.3
98	64.3 42.6 79.0

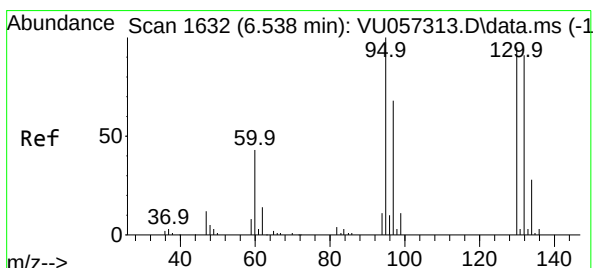
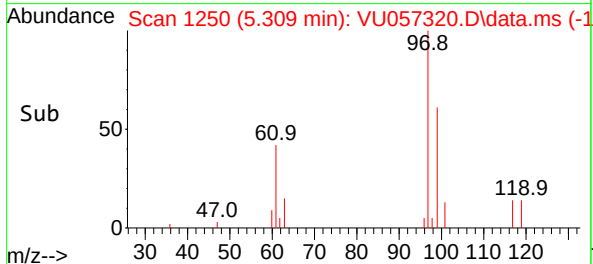
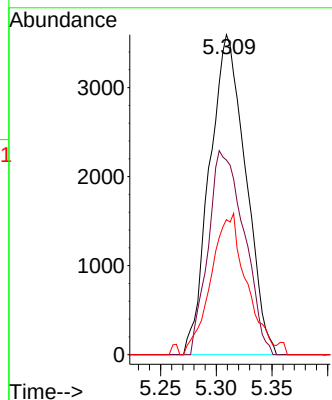
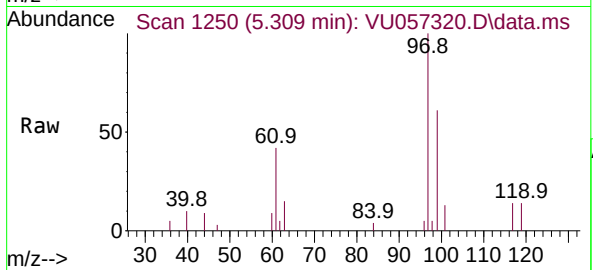




#29
1,1,1-Trichloroethane
Concen: 0.259 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

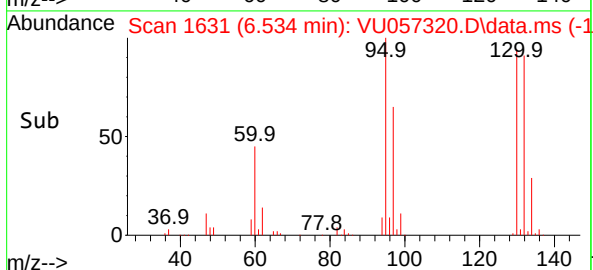
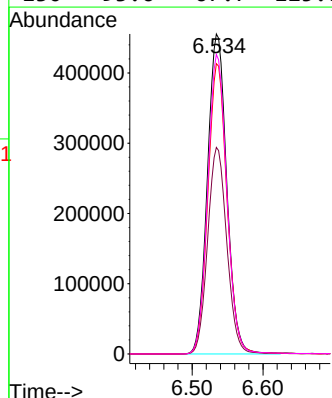
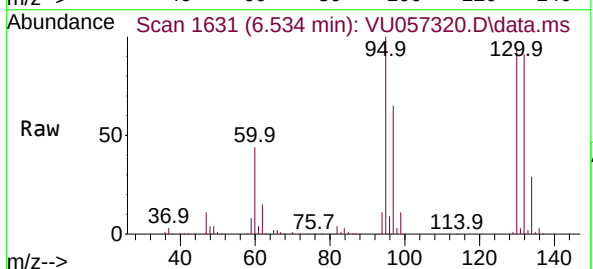
Instrument :
MSVOA_U
ClientSampleId :

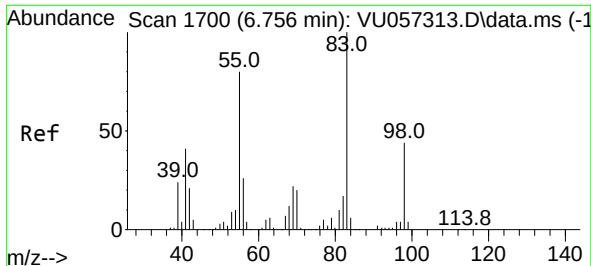
Tgt Ion: 97	Resp: 8096
Ion Ratio	Lower Upper
97 100	
99 63.5	51.7 77.5
61 44.0	34.1 51.1



#34
Trichloroethene
Concen: 45.573 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

Tgt Ion: 95	Resp: 862816
Ion Ratio	Lower Upper
95 100	
97 64.5	45.3 84.1
132 90.7	63.1 117.3
130 93.6	67.7 125.7

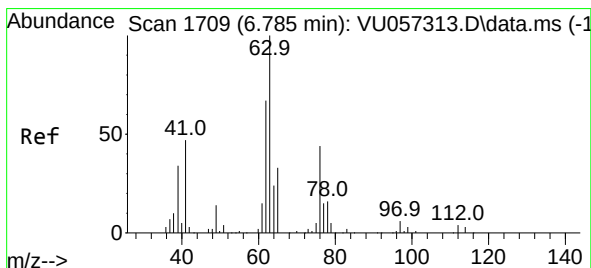
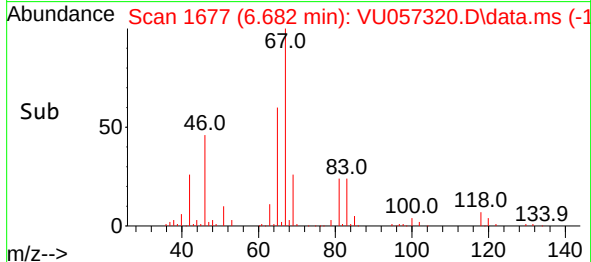
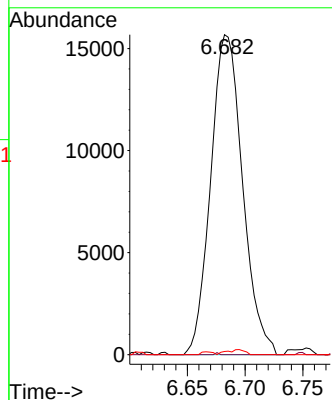
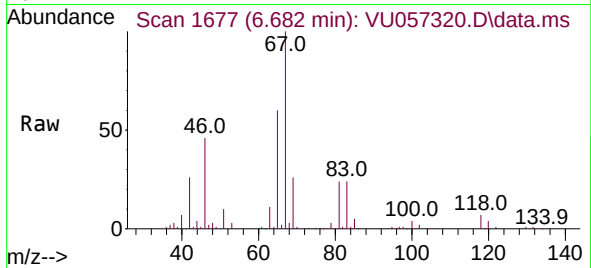




#35
Methylcyclohexane
Concen: 1.218 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

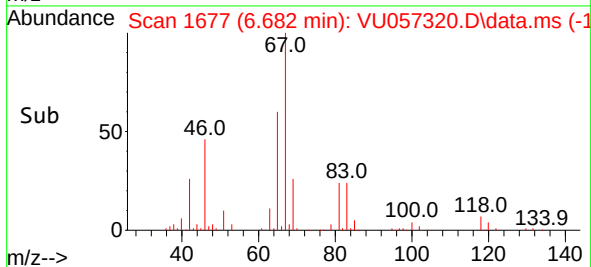
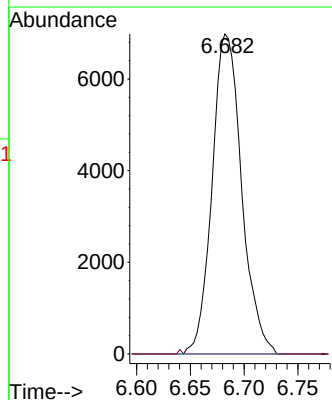
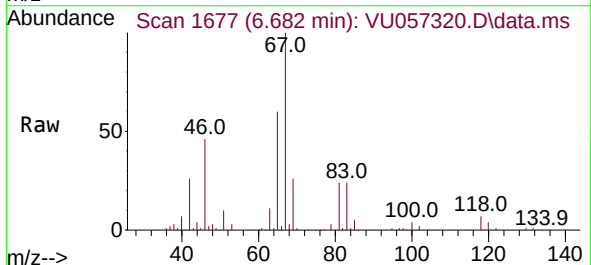
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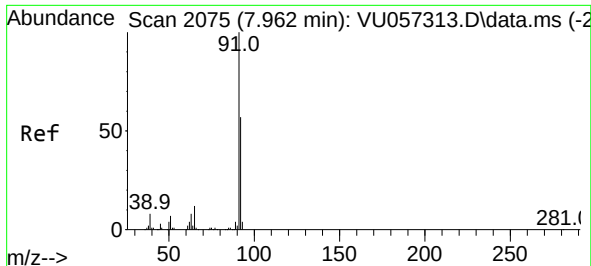
Tgt Ion: 83 Resp: 30123
Ion Ratio Lower Upper
83 100
55 0.1 65.4 98.2#
98 2.6 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.675 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

Tgt Ion: 63 Resp: 13335
Ion Ratio Lower Upper
63 100
112 0.1 2.9 4.3#





#42

Toluene

Concen: 0.462 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU057320.D

Acq: 28 Dec 2023 08:47

Instrument :

MSVOA_U

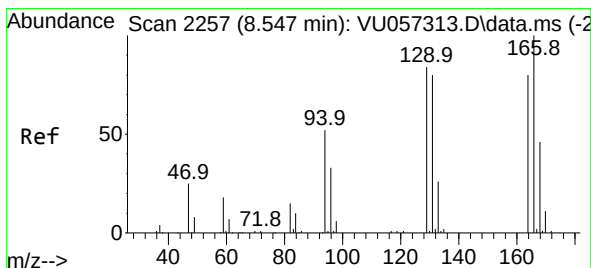
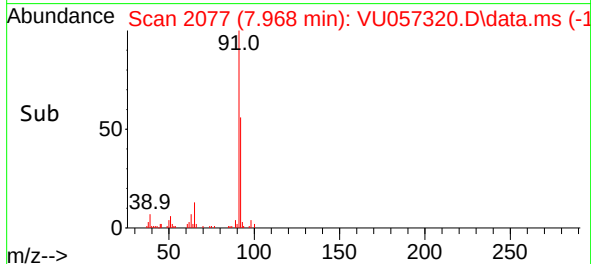
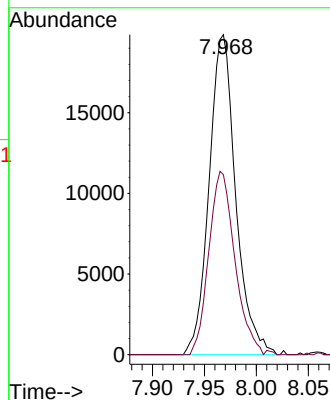
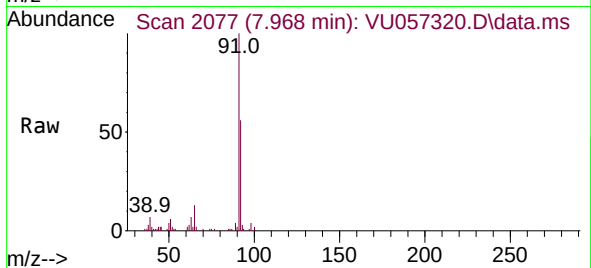
ClientSampleId :

Tgt Ion: 91 Resp: 35351

Ion Ratio Lower Upper

91 100

92 56.2 41.6 77.2



#47

Tetrachloroethene

Concen: 0.143 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU057320.D

Acq: 28 Dec 2023 08:47

Tgt Ion: 164 Resp: 1907

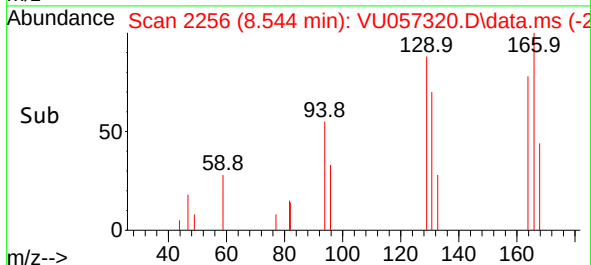
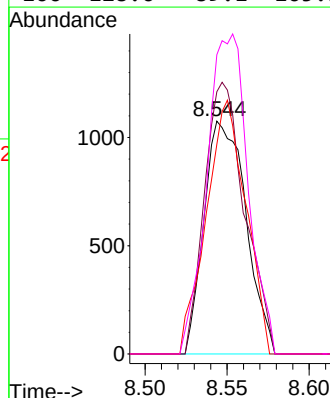
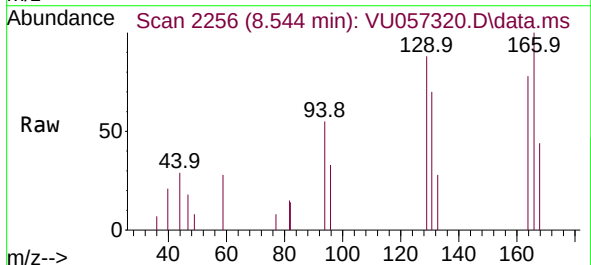
Ion Ratio Lower Upper

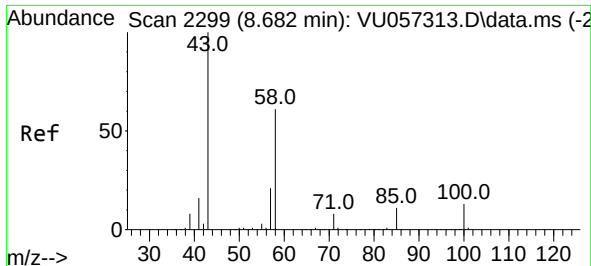
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131 90.0 70.7 131.3

166 128.6 89.1 165.5

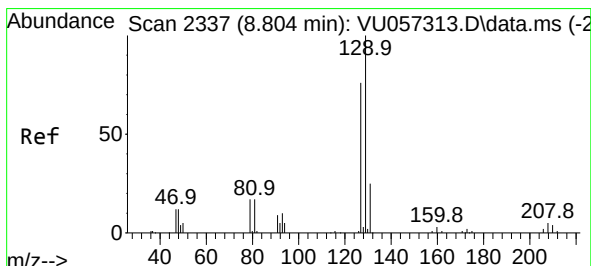
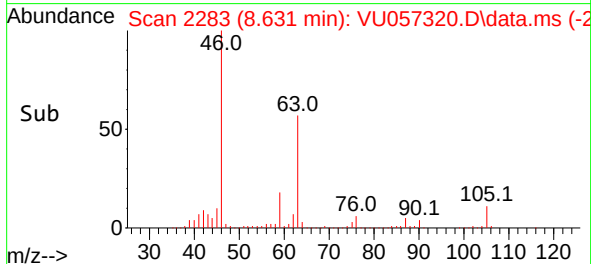
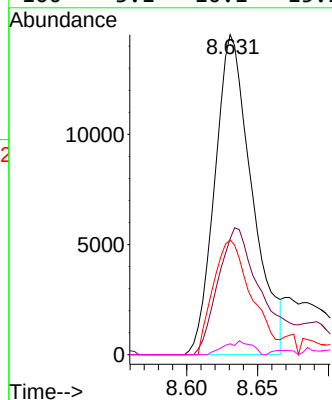
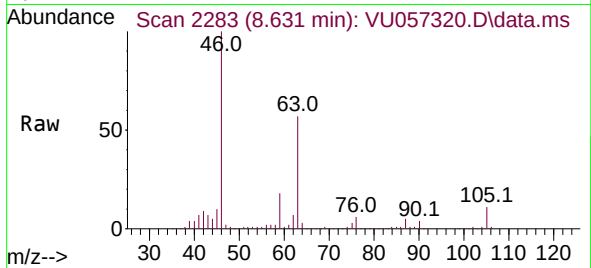




#48
2-Hexanone
Concen: 3.566 ug/L
RT: 8.631 min Scan# 21
Delta R.T. -0.052 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

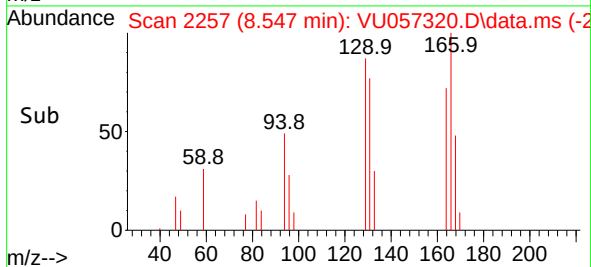
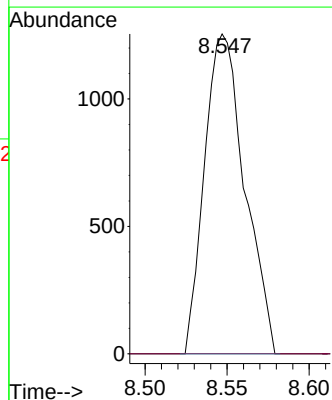
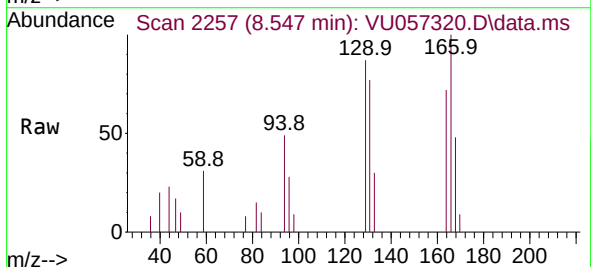
Instrument :
MSVOA_U
ClientSampleId :

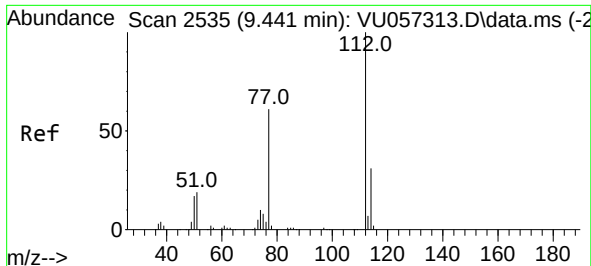
Tgt Ion: 43	Resp: 26481
Ion Ratio	Lower Upper
43 100	
58 47.6	48.4 72.6#
57 37.1	17.4 26.2#
100 3.1	10.1 15.1#



#49
Dibromochloromethane
Concen: 0.131 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

Tgt Ion:129	Resp: 2140		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	54.2	100.6#	

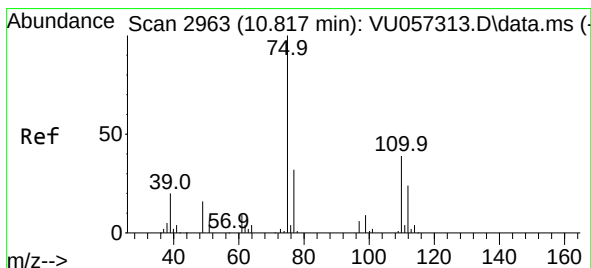
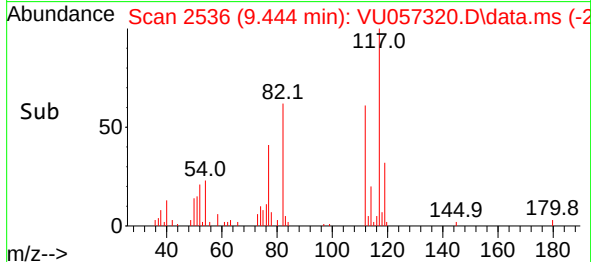
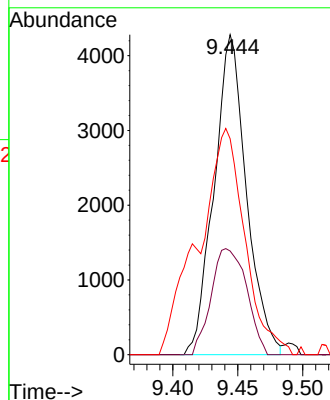
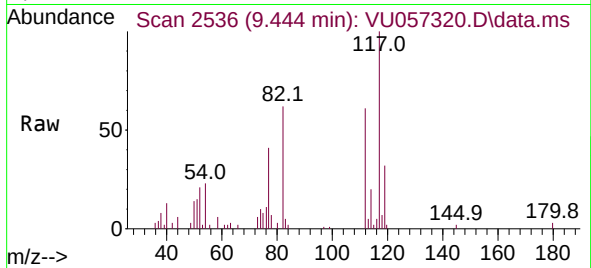




#51
Chlorobenzene
Concen: 0.159 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	112	Resp:	7414
Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.8	40.4
77	67.5	51.2	76.8



#61
1,2,3-Trichloropropane
Concen: 1.197 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU057320.D
Acq: 28 Dec 2023 08:47

Tgt Ion:	75	Resp:	12312
Ion	Ratio	Lower	Upper
75	100		
110	2.2	29.0	43.6#
77	33.3	25.4	38.2

