

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057115.D
 Acq On : 21 Dec 2023 00:56
 Operator : MD/SY
 Sample : 05894-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 05:02:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 01:34:13 2023
 Response via : Initial Calibration

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

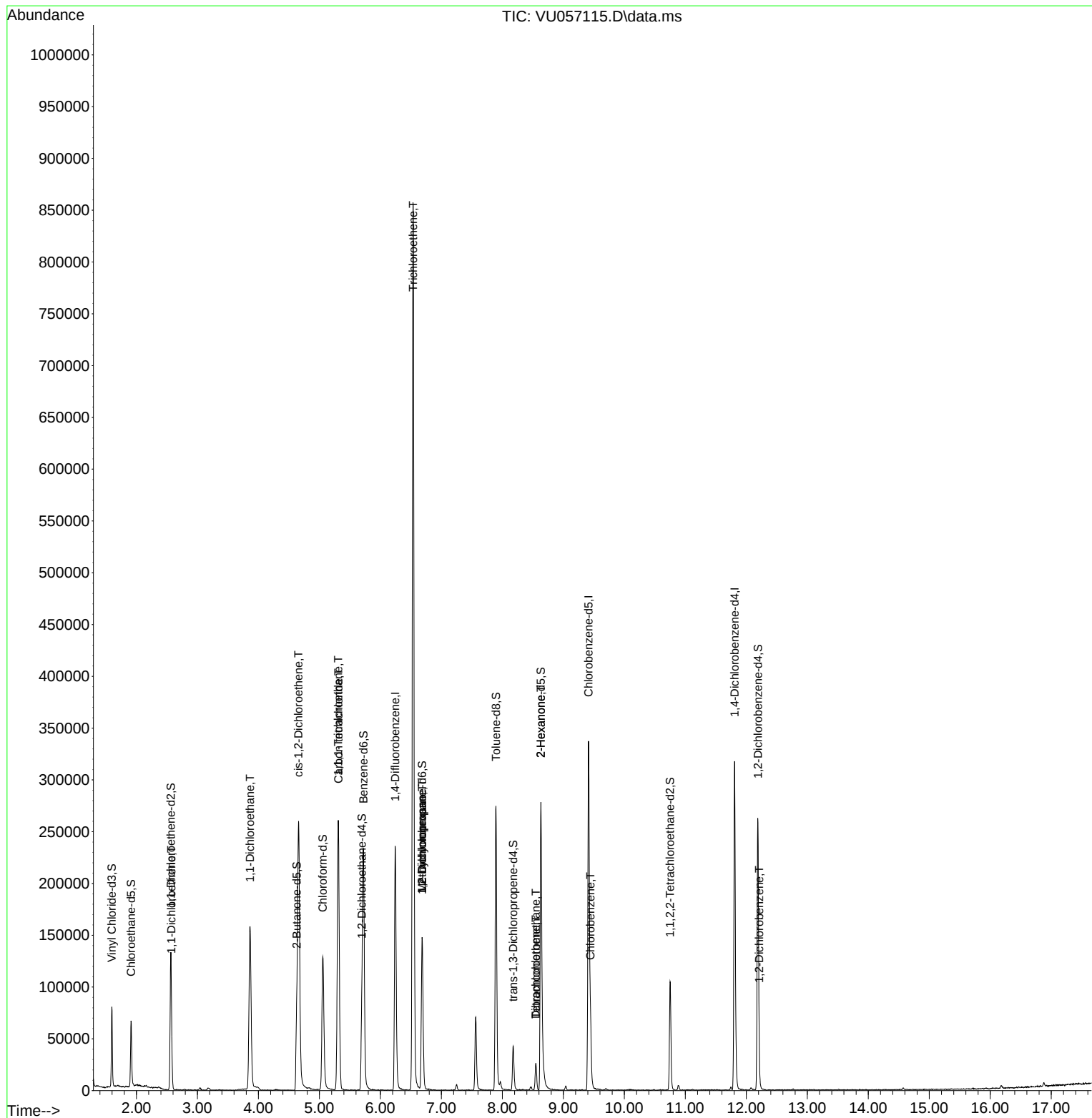
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	189028	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	193995	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	82808	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	52230	3.223	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.911	69	47307	3.902	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.563	65	26131	3.769	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.400%
20) 2-Butanone-d5	4.628	46	118466	37.023	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.040%
24) Chloroform-d	5.055	84	125119	4.078	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.695	65	62407	4.298	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	5.721	84	224780	3.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.800%
36) 1,2-Dichloropropane-d6	6.682	67	70633	3.750	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.000%
41) Toluene-d8	7.894	98	188711	3.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.200%
43) trans-1,3-Dichloroprop...	8.177	79	26302	3.601	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.000%
46) 2-Hexanone-d5	8.631	63	95092	34.520	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52287	3.837	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	69287	4.256	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.573	96	4825	0.314	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	180938	6.045	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	124178	7.336	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	198321	7.072	ug/L	98
31) Carbon tetrachloride	5.312	117	23109	0.948	ug/L	99
34) Trichloroethene	6.534	95	308680	16.505	ug/L	98
35) Methylcyclohexane	6.682	83	17858	0.647	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	8378	0.480	ug/L #	90
47) Tetrachloroethene	8.547	164	5769	0.441	ug/L	88
48) 2-Hexanone	8.631	43	11894	2.017	ug/L #	77
49) Dibromochloromethane	8.547	129	6354	0.469	ug/L #	11
51) Chlorobenzene	9.444	112	36556	0.813	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	4629	0.164	ug/L	94

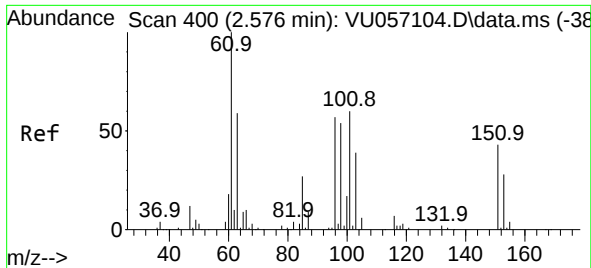
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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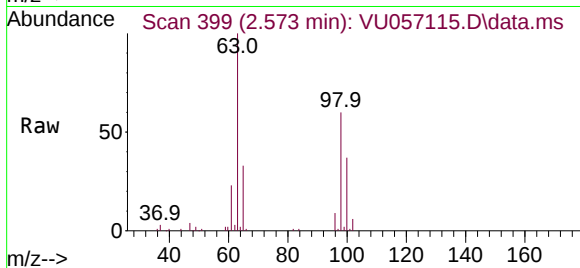
Quant Time: Dec 21 05:02:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 21 01:34:13 2023
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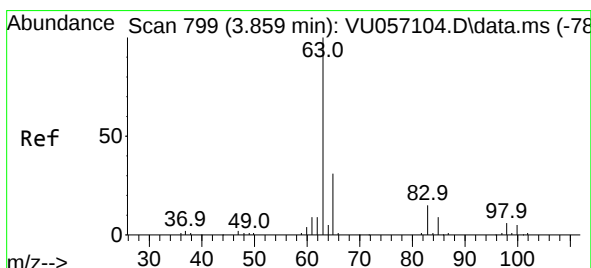
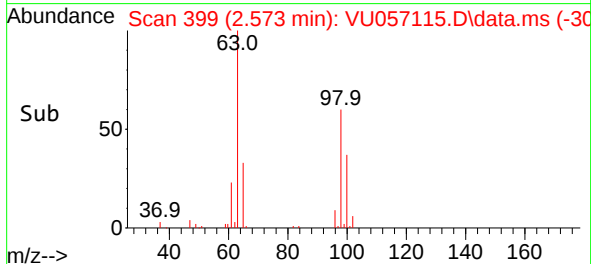
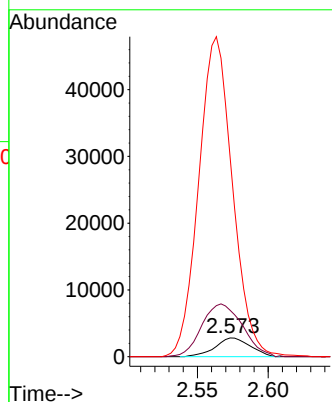


#12
 1,1-Dichloroethene
 Concen: 0.314 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU057115.D
 Acq: 21 Dec 2023 00:56

Instrument :
 MSVOA_U
 ClientSampleId :

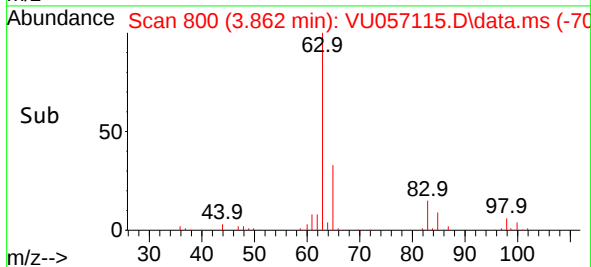
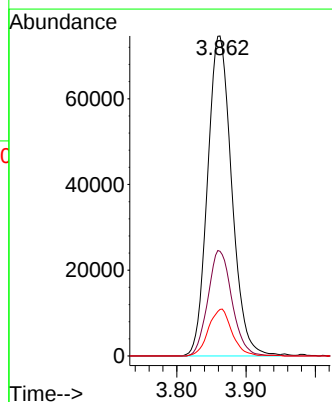
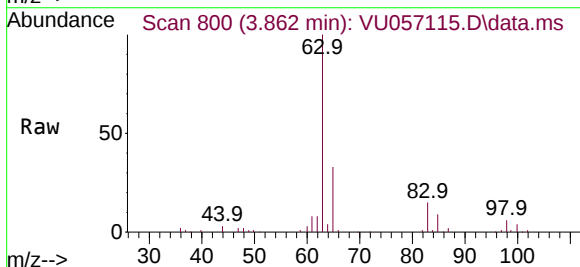


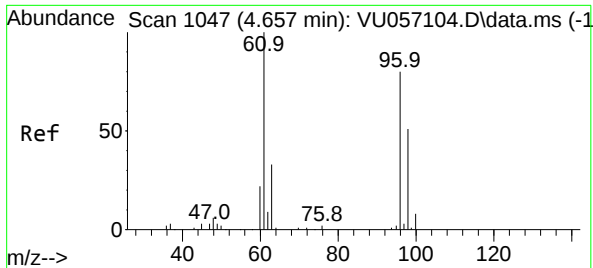
Tgt Ion: 96 Resp: 4825
 Ion Ratio Lower Upper
 96 100
 61 247.1 119.0 221.0#
 63 1061.6 88.7 164.7#



#19
 1,1-Dichloroethane
 Concen: 6.045 ug/L
 RT: 3.862 min Scan# 800
 Delta R.T. 0.003 min
 Lab File: VU057115.D
 Acq: 21 Dec 2023 00:56

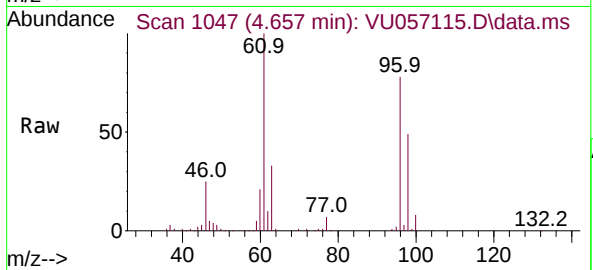
Tgt Ion: 63 Resp: 180938
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.9 42.5
 83 14.6 10.1 18.9





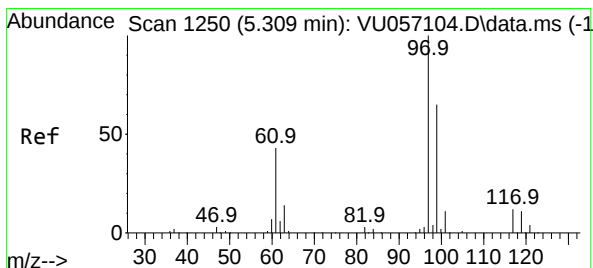
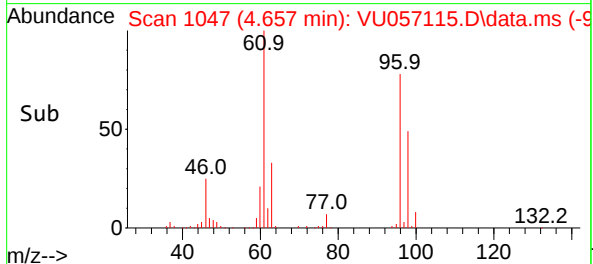
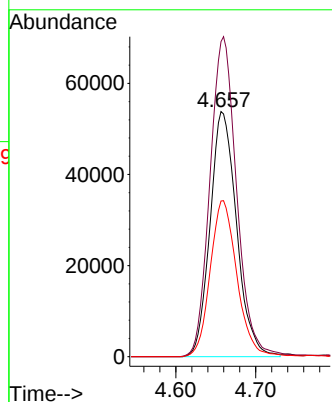
#22
 cis-1,2-Dichloroethene
 Concen: 7.336 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU057115.D
 Acq: 21 Dec 2023 00:56

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 124178

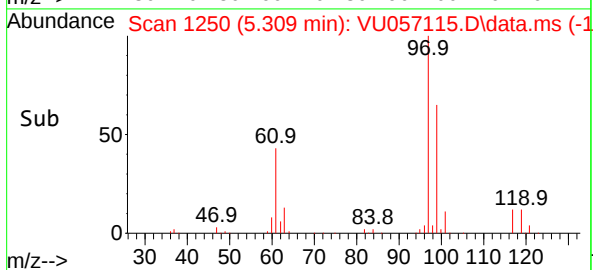
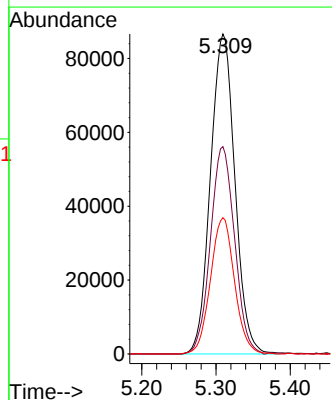
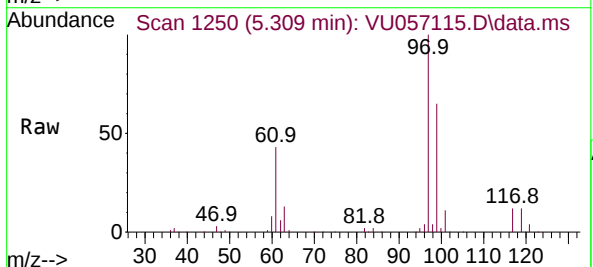
Ion	Ratio	Lower	Upper
96	100		
61	128.5	91.3	169.6
98	63.5	44.2	82.0

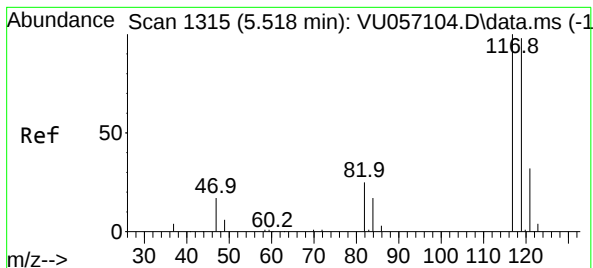


#29
 1,1,1-Trichloroethane
 Concen: 7.072 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU057115.D
 Acq: 21 Dec 2023 00:56

Tgt Ion: 97 Resp: 198321

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.5	78.7
61	41.9	34.2	51.2





#31

Carbon tetrachloride

Concen: 0.948 ug/L

RT: 5.312 min Scan# 117

Delta R.T. -0.206 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

Instrument :

MSVOA_U

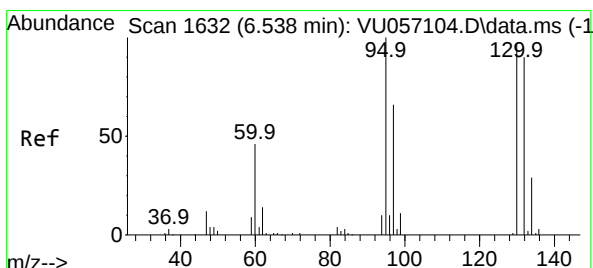
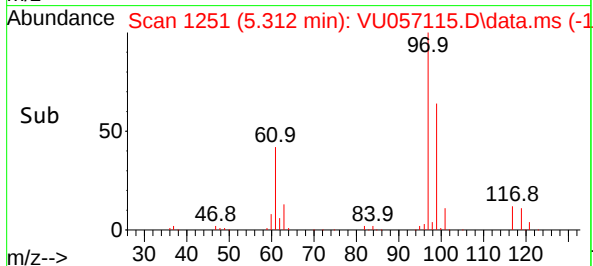
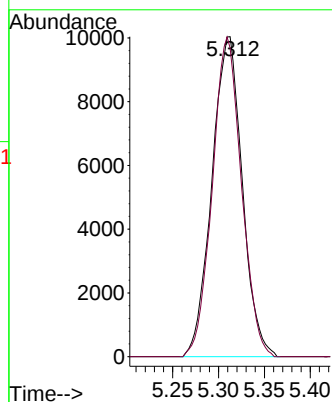
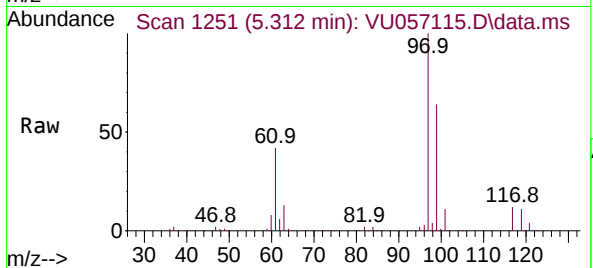
ClientSampleId :

Tgt Ion:117 Resp: 23109

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.4



#34

Trichloroethene

Concen: 16.505 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

Tgt Ion: 95 Resp: 308680

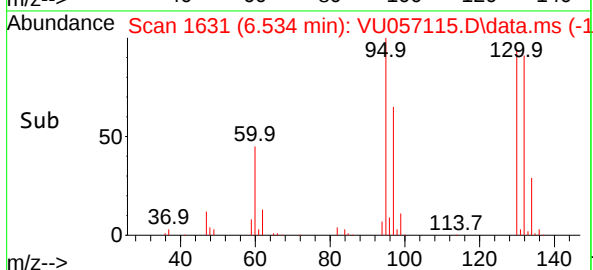
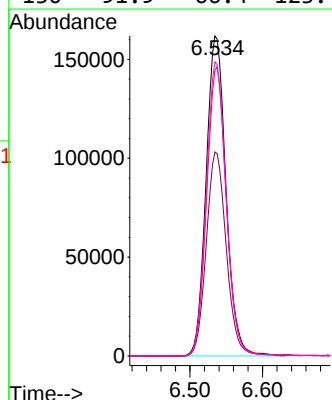
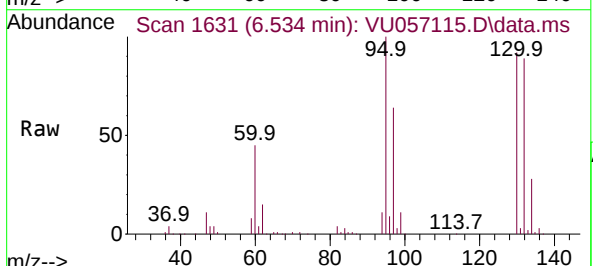
Ion Ratio Lower Upper

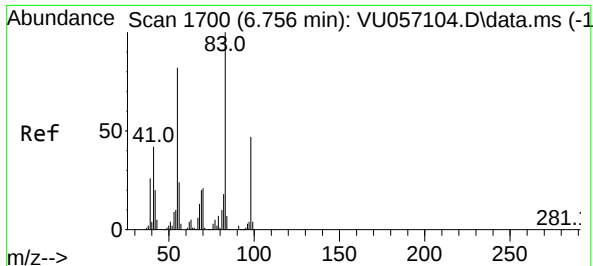
95 100

97 63.7 46.1 85.5

132 89.3 63.6 118.0

130 91.9 66.4 123.4

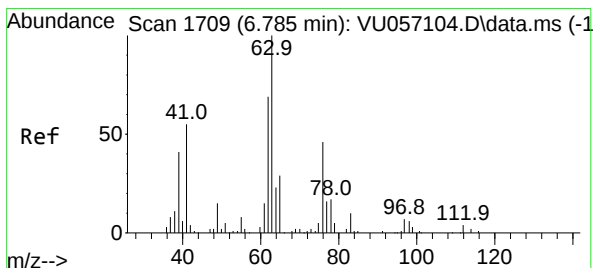
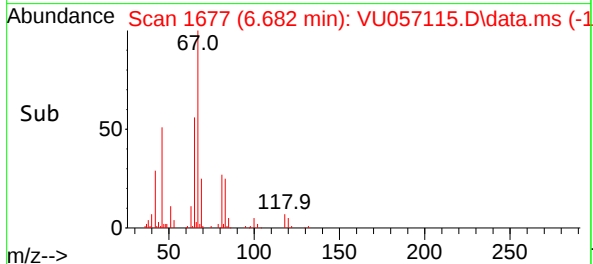
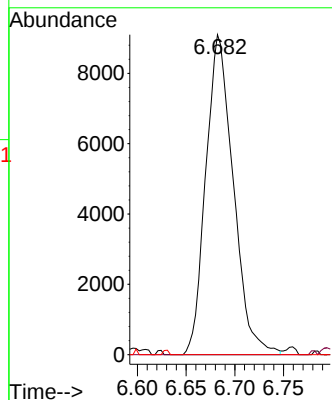
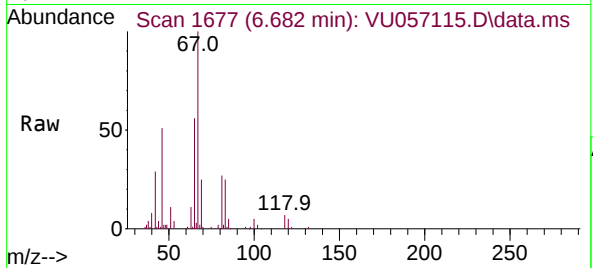




#35
Methylcyclohexane
Concen: 0.647 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

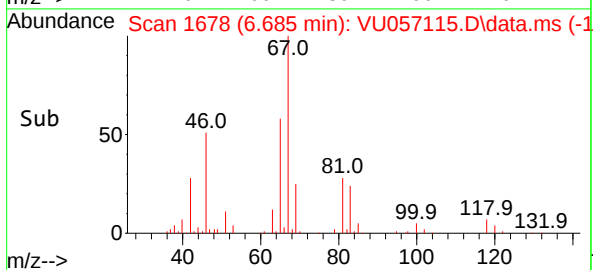
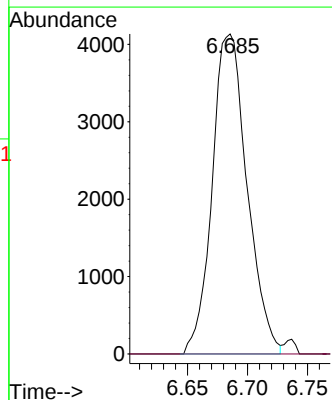
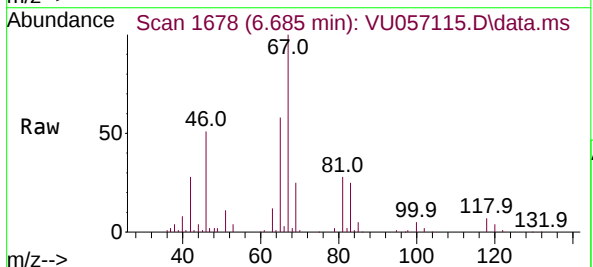
Instrument :
MSVOA_U
ClientSampleId :

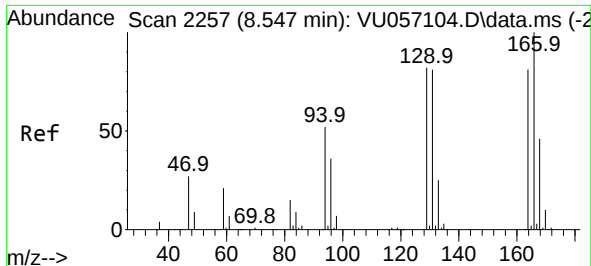
Tgt Ion: 83 Resp: 17858
Ion Ratio Lower Upper
83 100
55 0.2 64.6 97.0#
98 0.0 36.1 54.1#



#37
1,2-Dichloropropane
Concen: 0.480 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

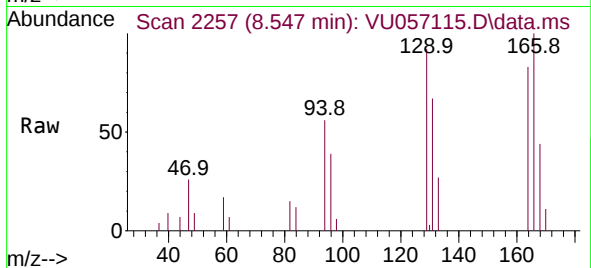
Tgt Ion: 63 Resp: 8378
Ion Ratio Lower Upper
63 100
112 0.9 3.3 4.9#



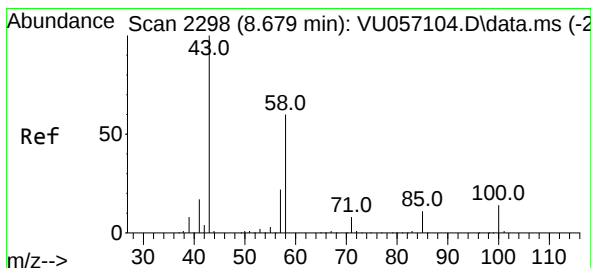
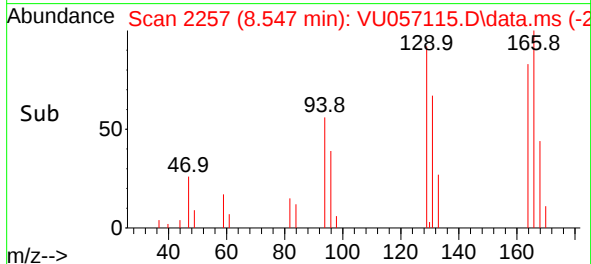
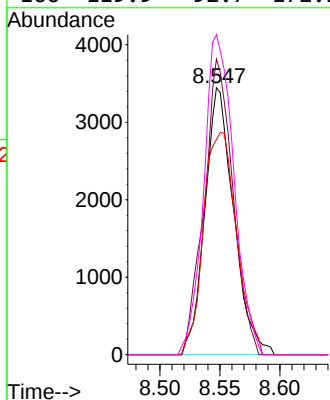


#47
Tetrachloroethene
Concen: 0.441 ug/L
RT: 8.547 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

Instrument :
MSVOA_U
ClientSampleId :

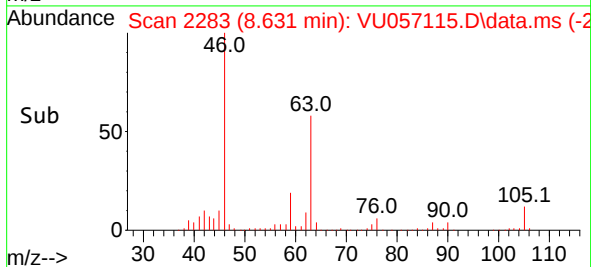
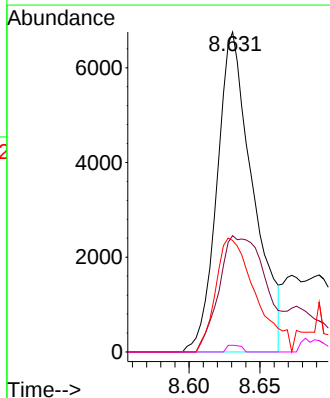
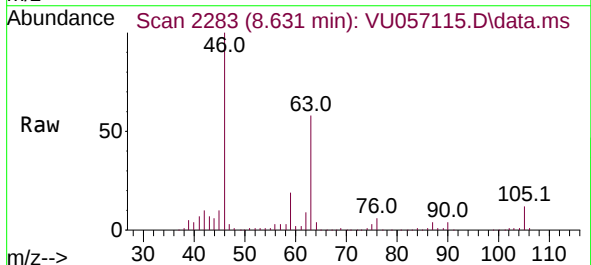


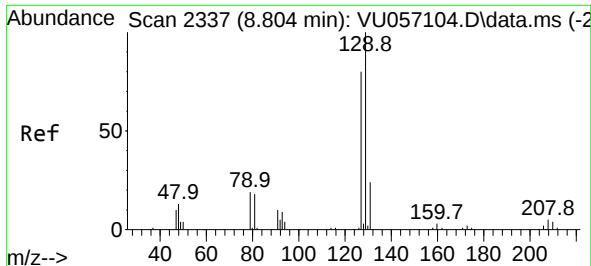
Tgt Ion:	164	Resp:	5769
Ion	Ratio	Lower	Upper
164	100		
129	110.8	73.4	136.4
131	80.6	71.5	132.9
166	119.9	92.7	172.1



#48
2-Hexanone
Concen: 2.017 ug/L
RT: 8.631 min Scan# 2283
Delta R.T. -0.048 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

Tgt Ion:	43	Resp:	11894
Ion	Ratio	Lower	Upper
43	100		
58	47.4	47.5	71.3#
57	39.6	17.0	25.4#
100	0.8	9.8	14.8#





#49

Dibromochloromethane

Concen: 0.469 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

Instrument :

MSVOA_U

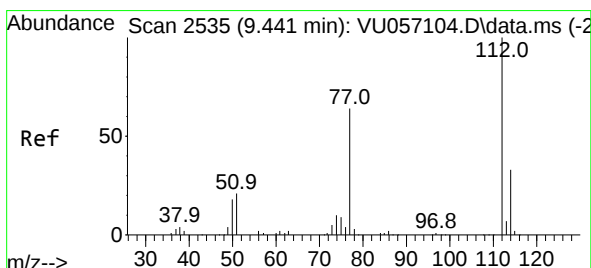
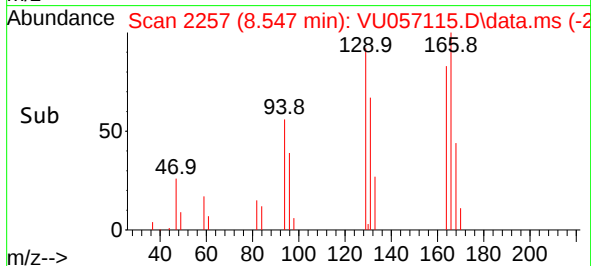
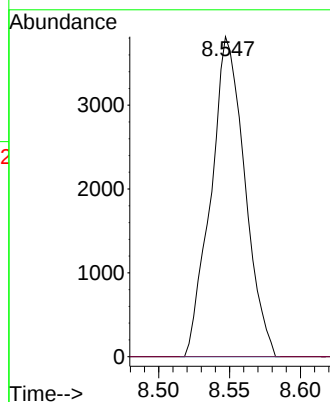
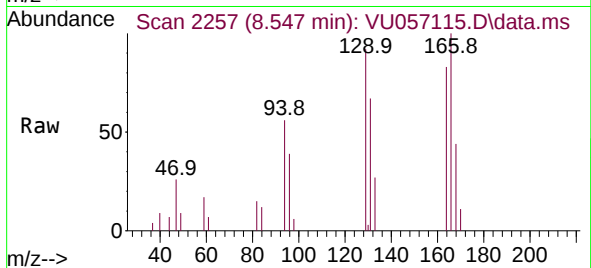
ClientSampleId :

Tgt Ion:129 Resp: 6354

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#51

Chlorobenzene

Concen: 0.813 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

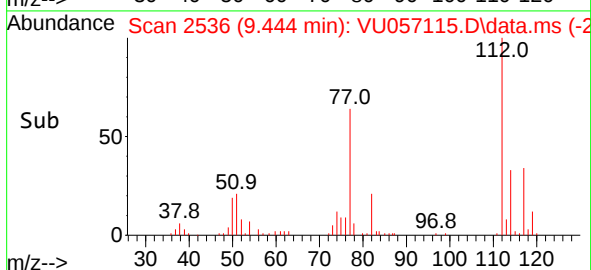
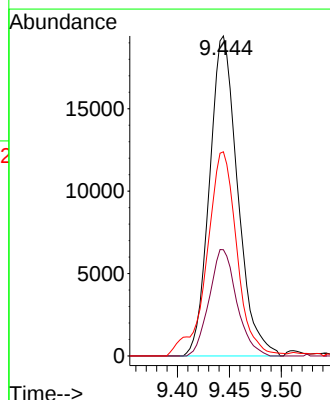
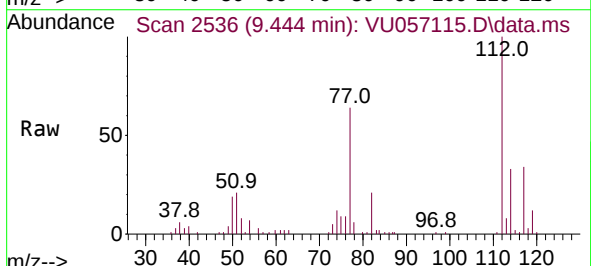
Tgt Ion:112 Resp: 36556

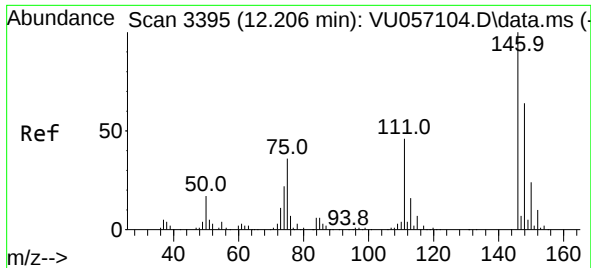
Ion Ratio Lower Upper

112 100

114 33.2 21.9 40.7

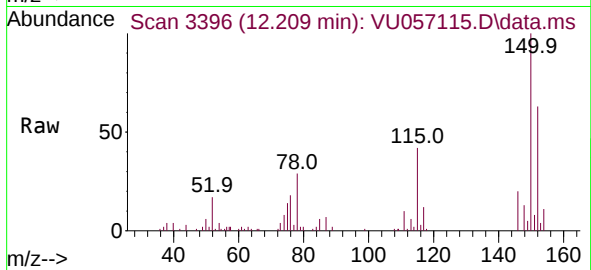
77 63.8 51.6 77.4





#67
 1,2-Dichlorobenzene
 Concen: 0.164 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU057115.D
 Acq: 21 Dec 2023 00:56

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	4629
Ion	Ratio	Lower	Upper
146	100		
111	51.7	36.9	55.3
148	62.8	53.0	79.4

