

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056761.D
 Acq On : 12 Dec 2023 03:23
 Operator : MD/SY
 Sample : 05675-11
 Misc : 25.2mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 05:04:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 02:01:50 2023
 Response via : Initial Calibration

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

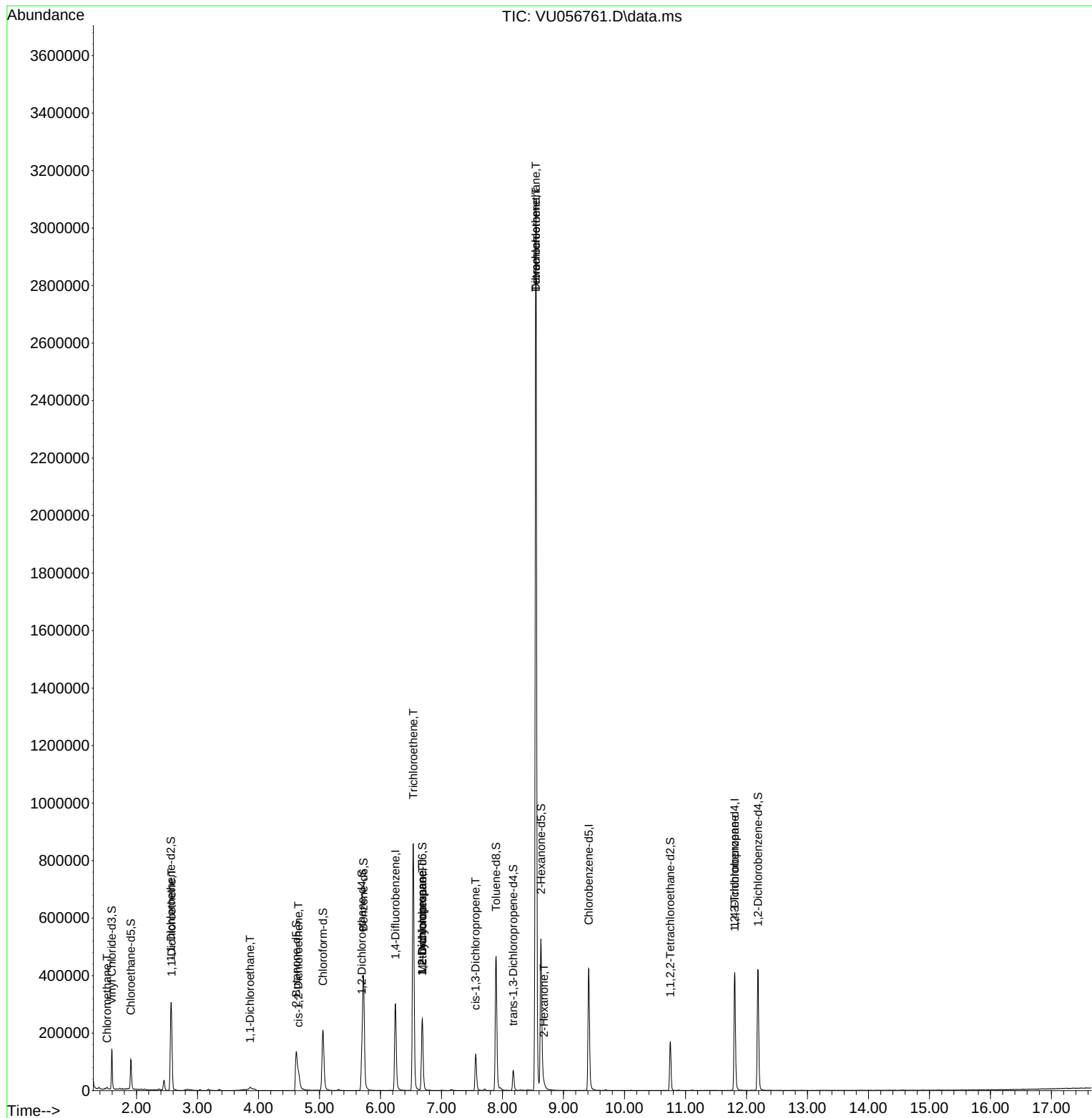
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	249765	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	256251	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	109559	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	97733	4.565	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.907	69	73427	4.583	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.563	65	44468	4.855	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.000%
20) 2-Butanone-d5	4.618	46	222008	52.509	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.020%
24) Chloroform-d	5.055	84	199024	4.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.695	65	99364	5.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.721	84	393141	4.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.685	67	123852	4.978	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.894	98	336151	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	8.177	79	43707	4.530	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.631	63	183710	50.488	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.980%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	88318	4.907	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	110831	5.146	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	3666	0.142	ug/L	92
12) 1,1-Dichloroethene	2.576	96	48400	2.387	ug/L #	76
19) 1,1-Dichloroethane	3.862	63	8002	0.202	ug/L #	89
22) cis-1,2-Dichloroethene	4.657	96	17656	0.789	ug/L	92
34) Trichloroethene	6.537	95	309959	12.547	ug/L	98
35) Methylcyclohexane	6.685	83	28139	0.772	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	12556	0.545	ug/L #	88
39) cis-1,3-Dichloropropene	7.560	75	3839	0.114	ug/L #	57
47) Tetrachloroethene	8.547	164	661940	38.287	ug/L	98
48) 2-Hexanone	8.682	43	6084	0.781	ug/L	90
49) Dibromochloromethane	8.547	129	684330	38.227	ug/L #	11
61) 1,2,3-Trichloropropane	11.804	75	14056	1.195	ug/L #	70

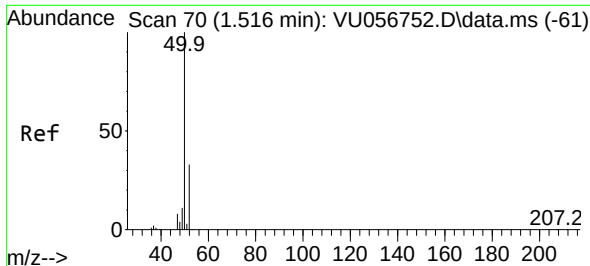
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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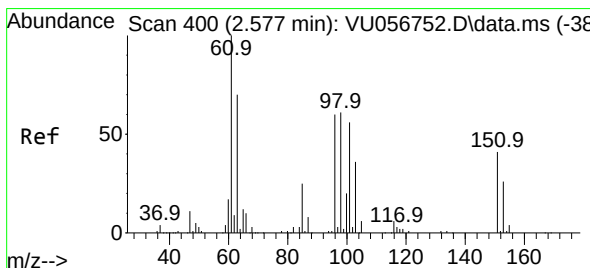
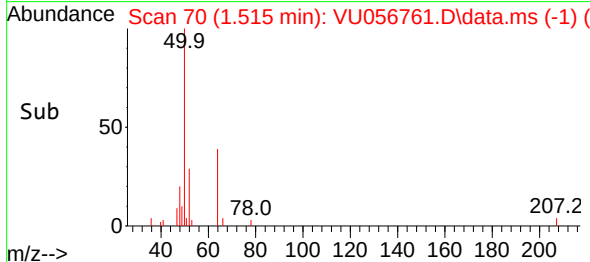
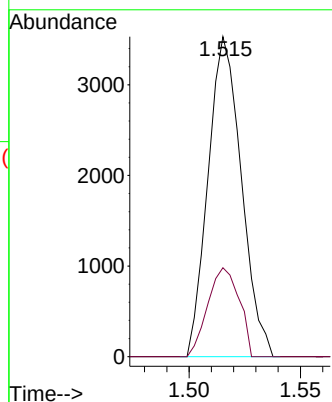
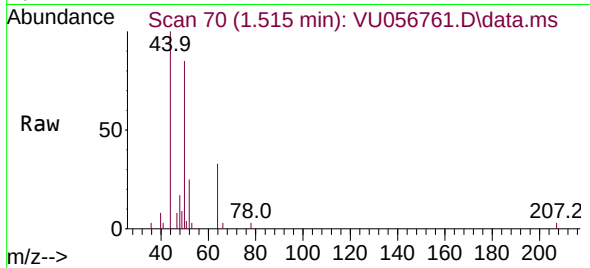




#3
Chloromethane
Concen: 0.142 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU056761.D
Acq: 12 Dec 2023 03:23

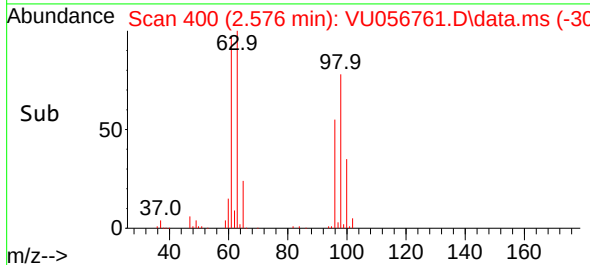
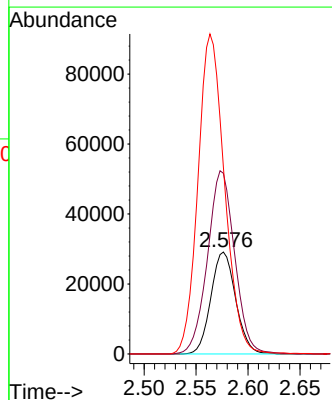
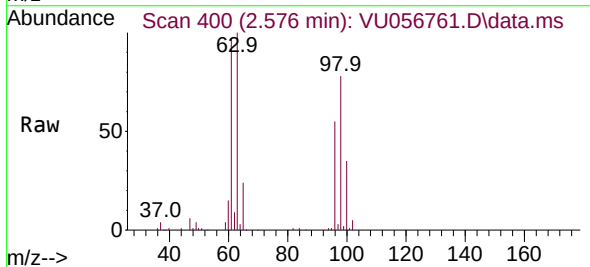
Instrument :
MSVOA_U
ClientSampleId :

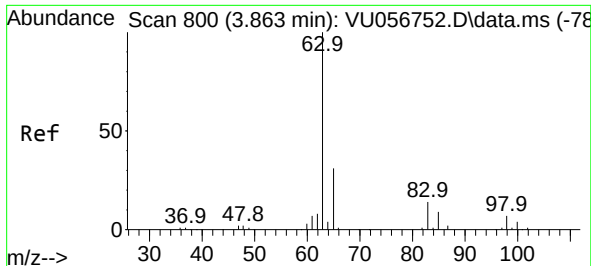
Tgt Ion: 50 Resp: 3666
Ion Ratio Lower Upper
50 100
52 27.8 22.5 41.7



#12
1,1-Dichloroethene
Concen: 2.387 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056761.D
Acq: 12 Dec 2023 03:23

Tgt Ion: 96 Resp: 48400
Ion Ratio Lower Upper
96 100
61 177.3 119.0 221.0
63 183.2 88.7 164.7#





#19

1,1-Dichloroethane

Concen: 0.202 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056761.D

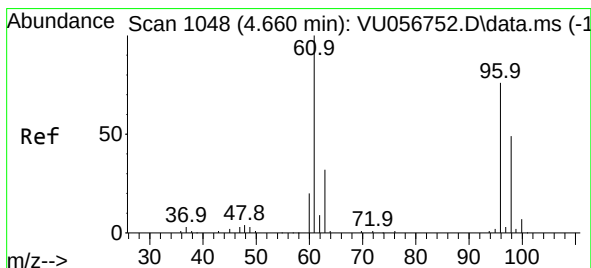
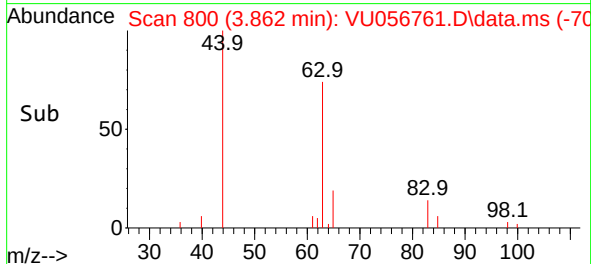
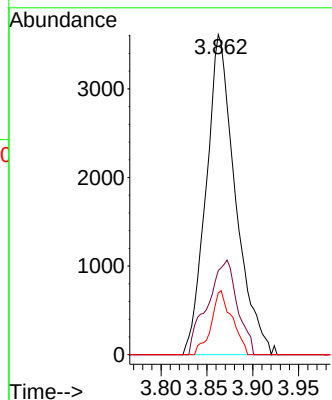
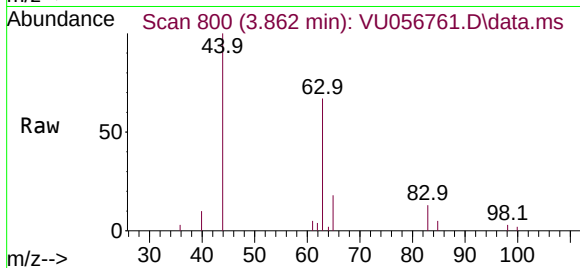
Acq: 12 Dec 2023 03:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 8002
Ion Ratio	Lower Upper
63	100
65	26.3 22.9 42.5
83	19.3 10.1 18.9#



#22

cis-1,2-Dichloroethene

Concen: 0.789 ug/L

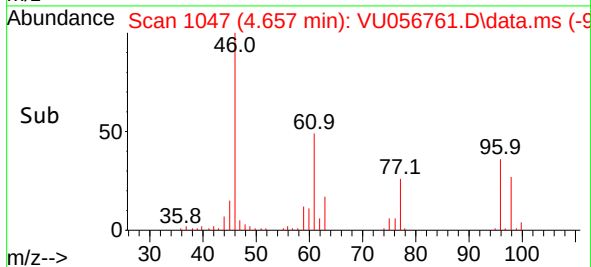
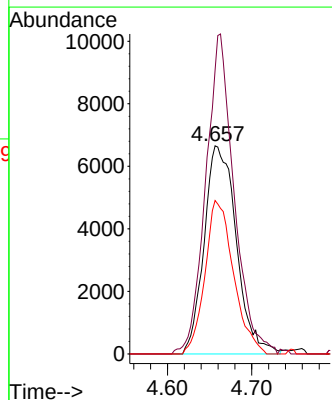
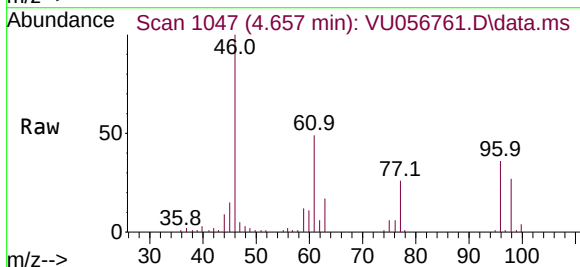
RT: 4.657 min Scan# 1047

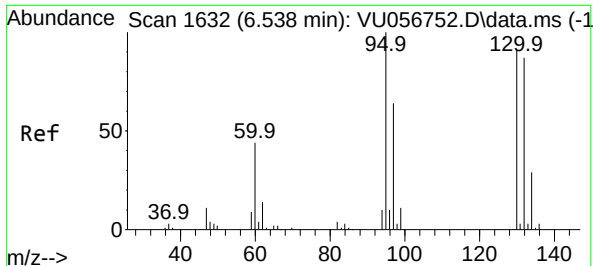
Delta R.T. -0.004 min

Lab File: VU056761.D

Acq: 12 Dec 2023 03:23

Tgt Ion: 96	Resp: 17656
Ion Ratio	Lower Upper
96	100
61	136.3 91.3 169.6
98	73.7 44.2 82.0

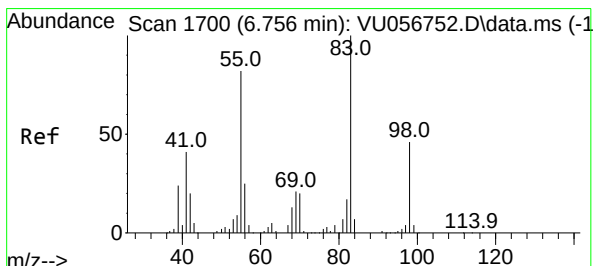
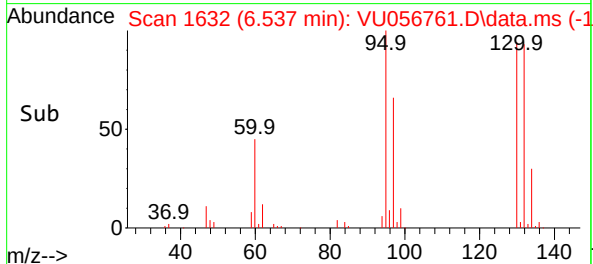
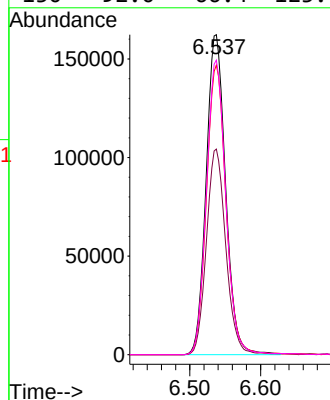
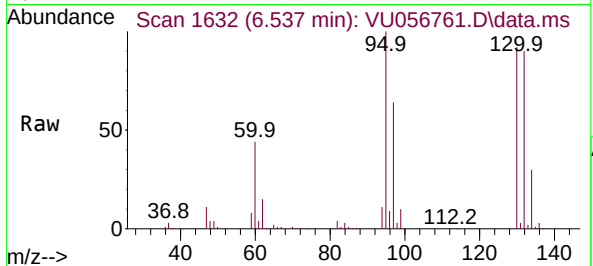




#34
Trichloroethene
Concen: 12.547 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056761.D
Acq: 12 Dec 2023 03:23

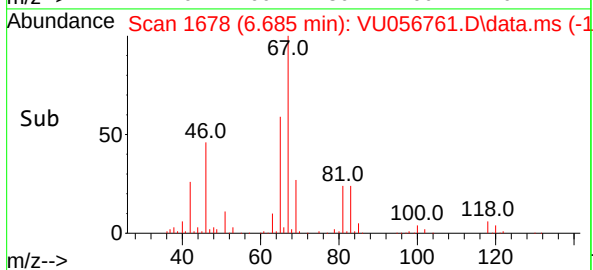
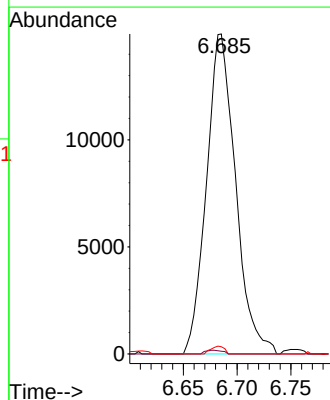
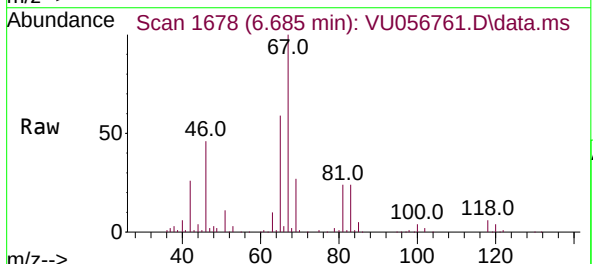
Instrument :
MSVOA_U
ClientSampleId :

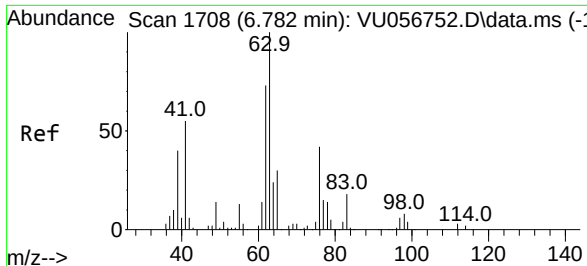
Tgt Ion: 95 Resp: 309959
Ion Ratio Lower Upper
95 100
97 64.2 46.1 85.5
132 90.5 63.6 118.0
130 92.0 66.4 123.4



#35
Methylcyclohexane
Concen: 0.772 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU056761.D
Acq: 12 Dec 2023 03:23

Tgt Ion: 83 Resp: 28139
Ion Ratio Lower Upper
83 100
55 0.7 64.6 97.0#
98 1.1 36.1 54.1#





#37

1,2-Dichloropropane

Concen: 0.545 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056761.D

Acq: 12 Dec 2023 03:23

Instrument :

MSVOA_U

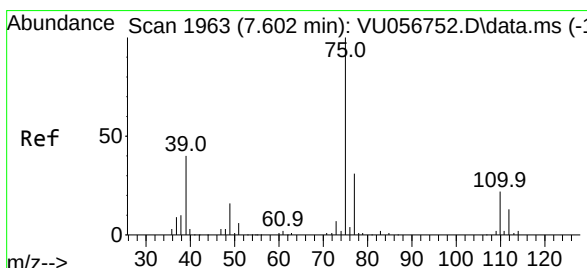
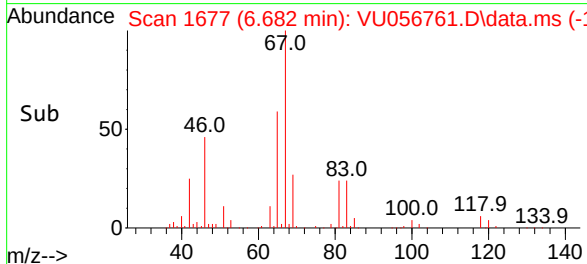
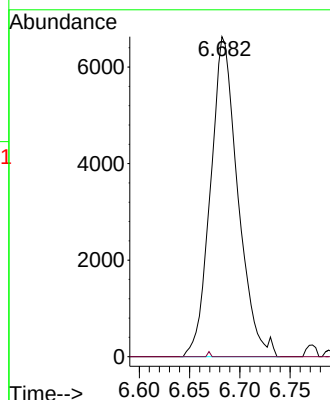
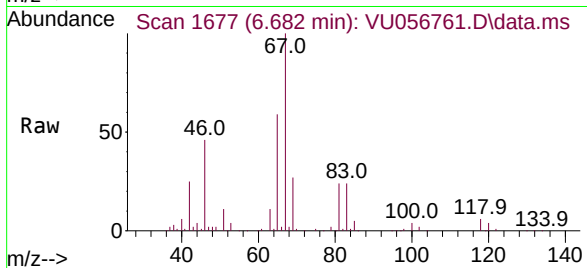
ClientSampleId :

Tgt Ion: 63 Resp: 12556

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.560 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU056761.D

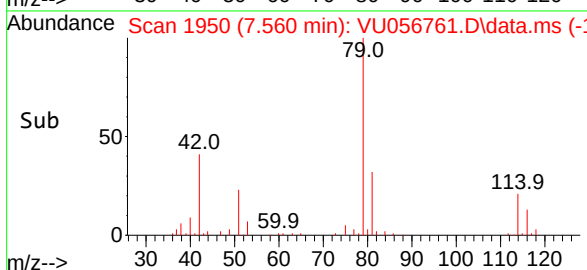
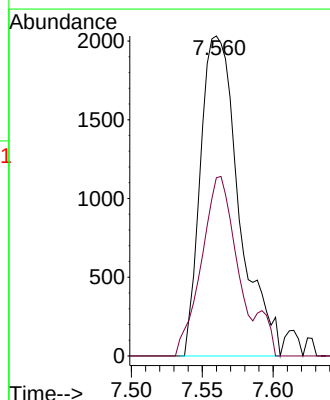
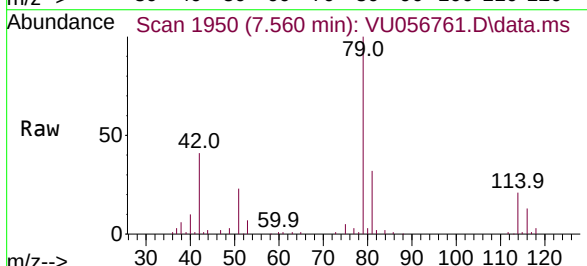
Acq: 12 Dec 2023 03:23

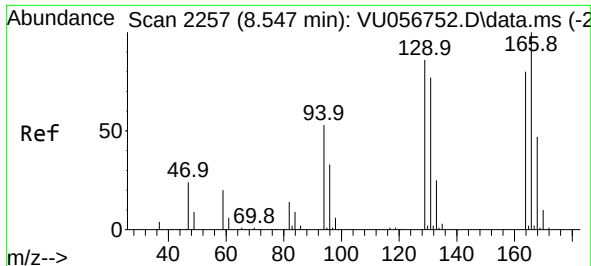
Tgt Ion: 75 Resp: 3839

Ion Ratio Lower Upper

75 100

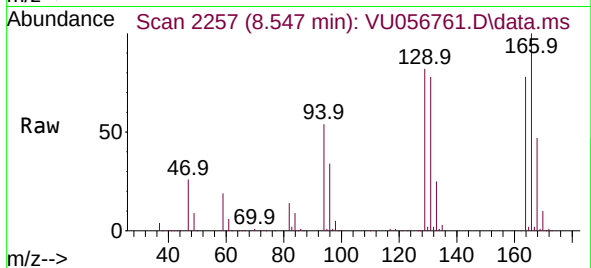
77 55.7 22.3 41.5#



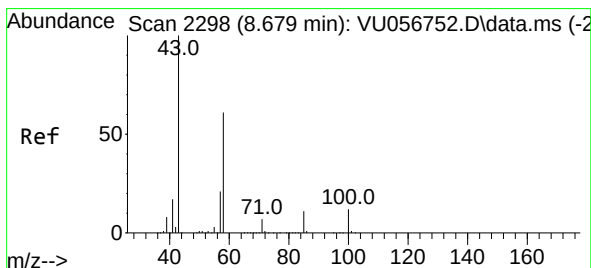
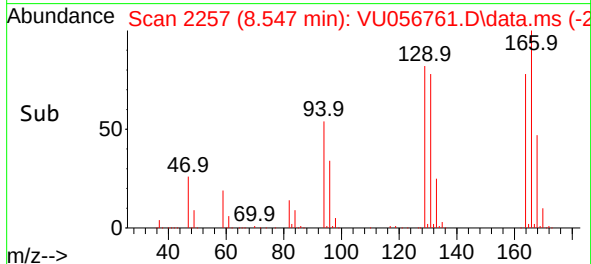
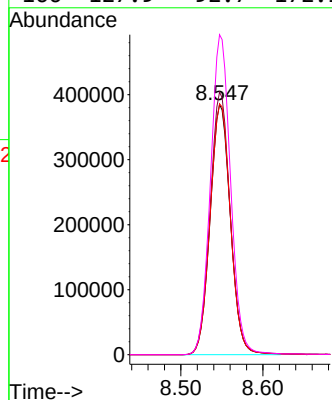


#47
Tetrachloroethene
Concen: 38.287 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056761.D
Acq: 12 Dec 2023 03:23

Instrument :
MSVOA_U
ClientSampleId :

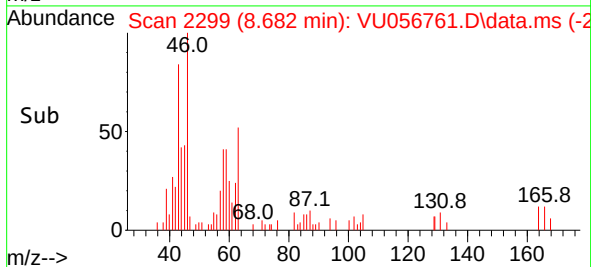
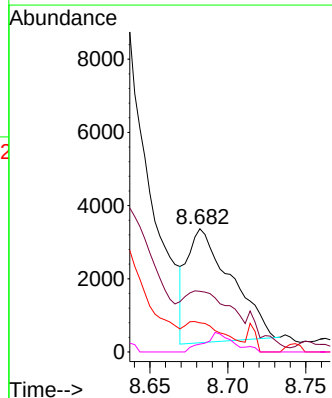
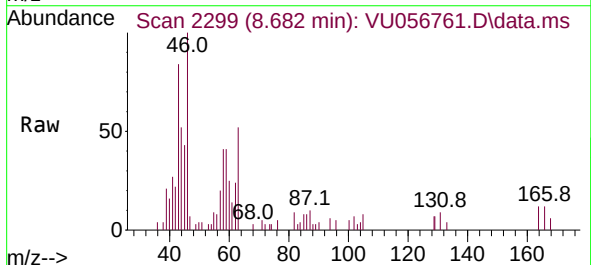


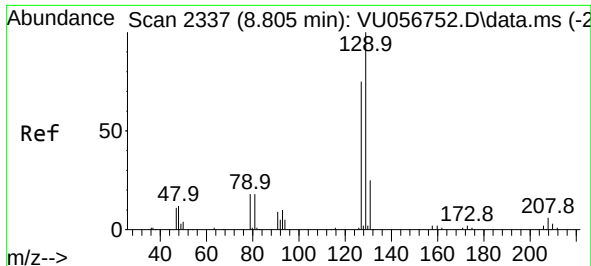
Tgt Ion:164 Resp: 661940
Ion Ratio Lower Upper
164 100
129 104.9 73.4 136.4
131 100.3 71.5 132.9
166 127.9 92.7 172.1



#48
2-Hexanone
Concen: 0.781 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU056761.D
Acq: 12 Dec 2023 03:23

Tgt Ion: 43 Resp: 6084
Ion Ratio Lower Upper
43 100
58 69.6 47.5 71.3
57 23.1 17.0 25.4
100 11.3 9.8 14.8





#49

Dibromochloromethane

Concen: 38.227 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.258 min

Lab File: VU056761.D

Acq: 12 Dec 2023 03:23

Instrument :

MSVOA_U

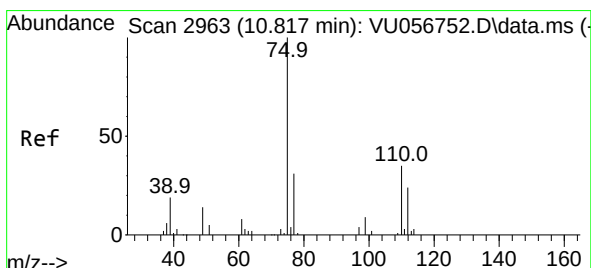
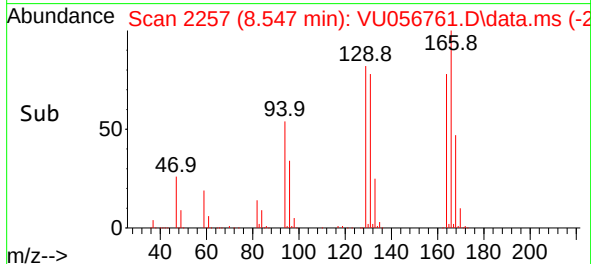
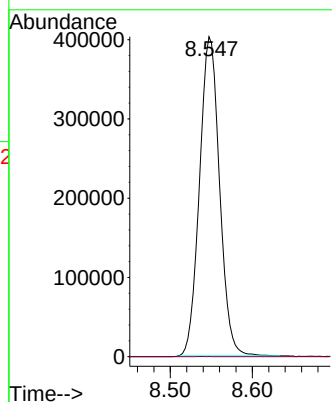
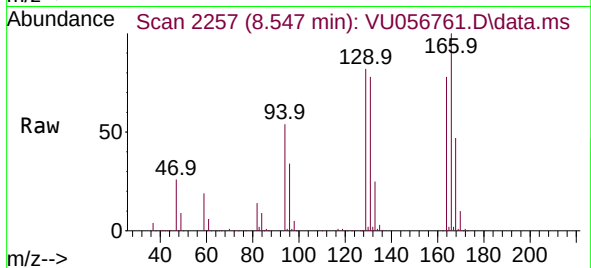
ClientSampleId :

Tgt Ion:129 Resp: 684330

Ion Ratio Lower Upper

129 100

127 0.1 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.195 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.987 min

Lab File: VU056761.D

Acq: 12 Dec 2023 03:23

Tgt Ion: 75 Resp: 14056

Ion Ratio Lower Upper

75 100

110 3.5 28.4 42.6#

77 34.3 26.3 39.5

