

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056808.D
 Acq On : 13 Dec 2023 01:23
 Operator : MD/SY
 Sample : 05675-14DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AB7DL

Quant Time: Dec 13 04:59:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

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

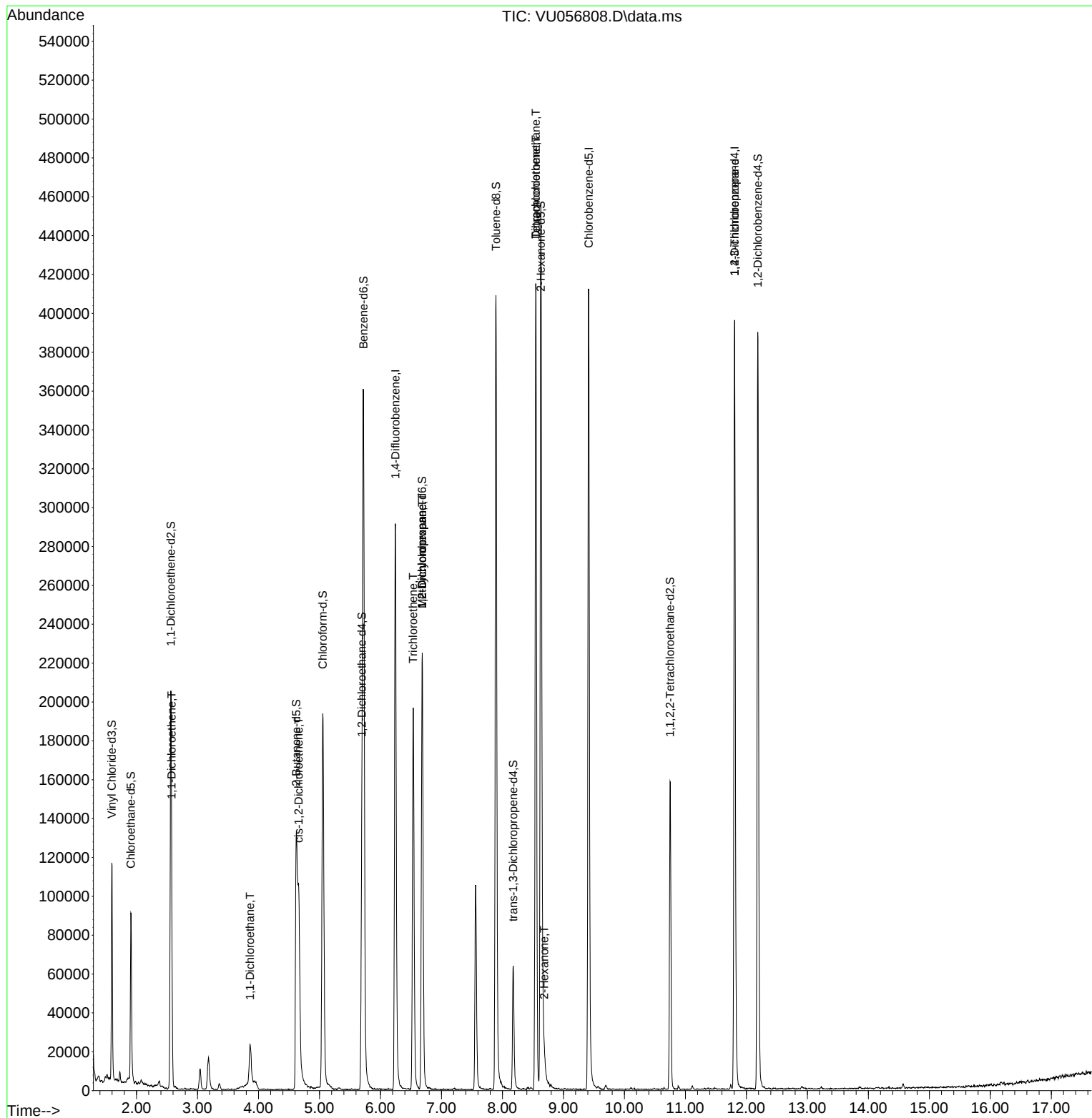
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	237546	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	242006	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	107041	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79654	3.912	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.200%
7) Chloroethane-d5	1.907	69	64082	4.206	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.563	65	36574	4.198	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.000%
20) 2-Butanone-d5	4.621	46	212291	52.794	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.580%
24) Chloroform-d	5.055	84	186745	4.843	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.695	65	92255	5.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.721	84	348814	4.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.685	67	112866	4.804	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.894	98	287969	4.292	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.177	79	38501	4.226	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.631	63	160815	46.797	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.600%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	82280	4.840	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	105943	5.035	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	13109	0.680	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	24986	0.664	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	39582	1.861	ug/L	97
34) Trichloroethene	6.537	95	71694	3.073	ug/L	99
35) Methylcyclohexane	6.685	83	26430	0.768	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	11494	0.528	ug/L #	88
47) Tetrachloroethene	8.547	164	89288	5.468	ug/L	98
48) 2-Hexanone	8.685	43	7477	1.016	ug/L #	71
49) Dibromochloromethane	8.547	129	93554	5.534	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	13514	1.176	ug/L #	69

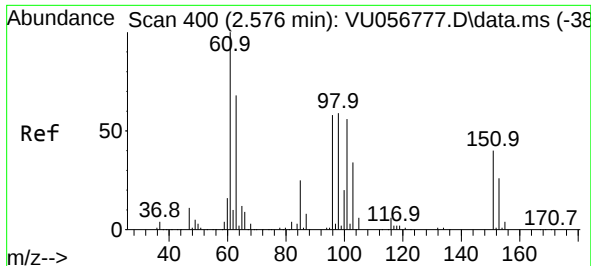
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.680 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056808.D

Acq: 13 Dec 2023 01:23

Instrument :

MSVOA_U

ClientSampleId :

H0AB7DL

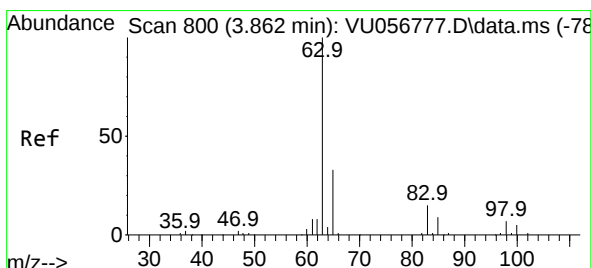
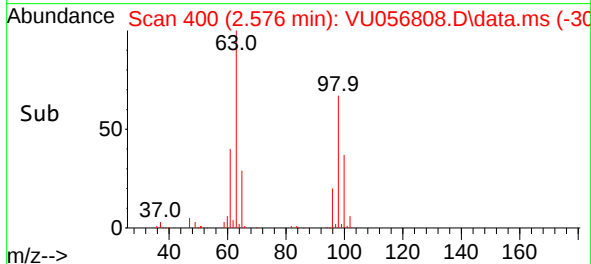
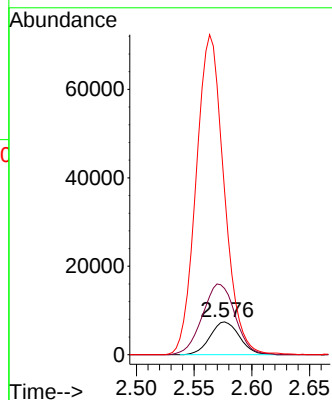
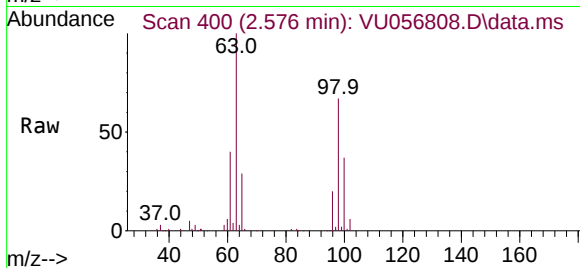
Tgt Ion: 96 Resp: 13109

Ion Ratio Lower Upper

96 100

61 202.3 119.0 221.0

63 501.6 88.7 164.7#



#19

1,1-Dichloroethane

Concen: 0.664 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU056808.D

Acq: 13 Dec 2023 01:23

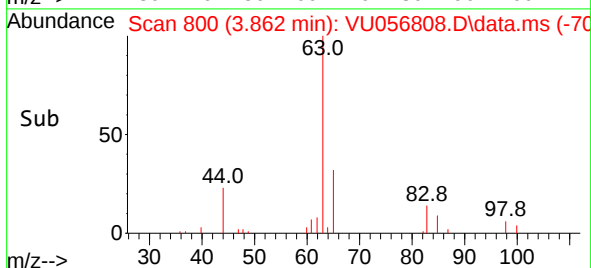
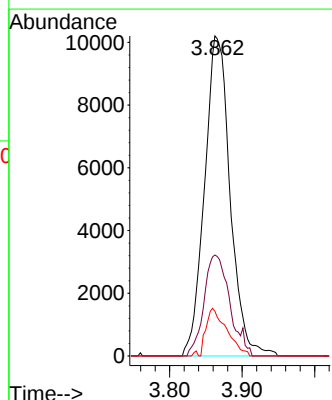
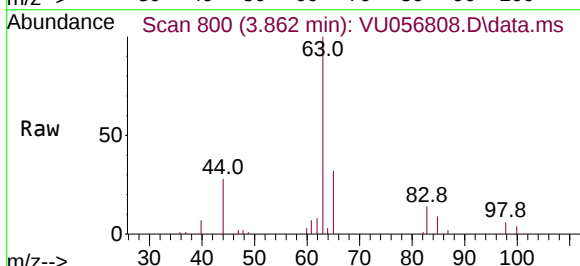
Tgt Ion: 63 Resp: 24986

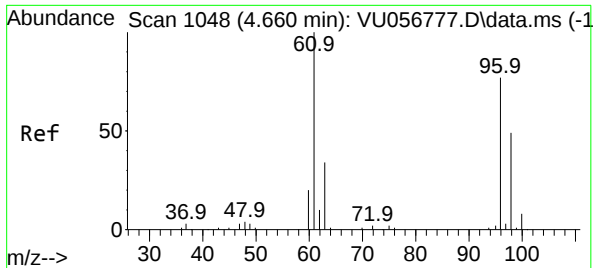
Ion Ratio Lower Upper

63 100

65 31.6 22.9 42.5

83 13.9 10.1 18.9

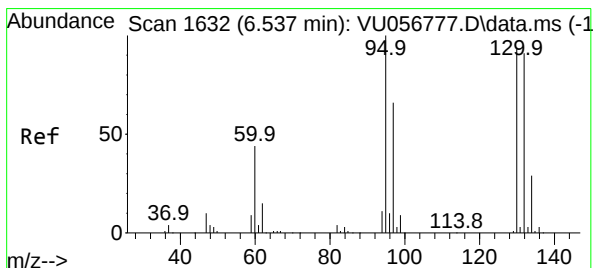
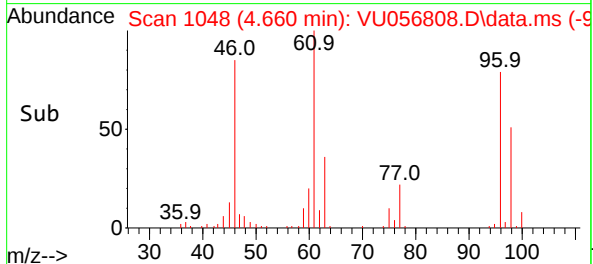
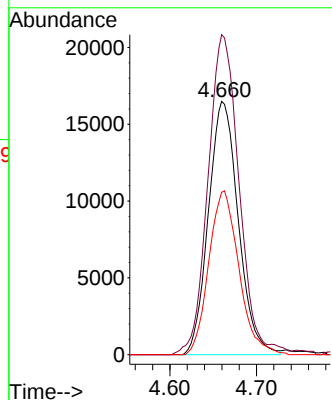
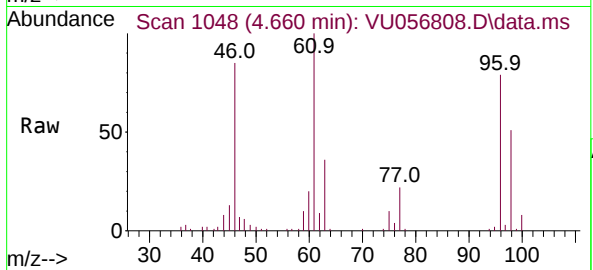




#22
 cis-1,2-Dichloroethene
 Concen: 1.861 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056808.D
 Acq: 13 Dec 2023 01:23

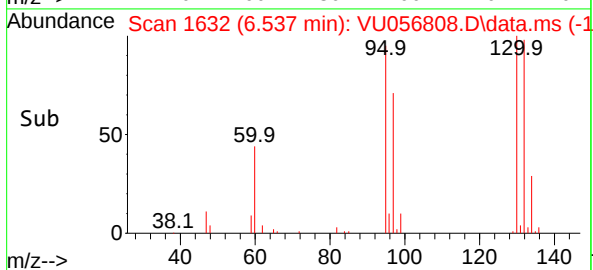
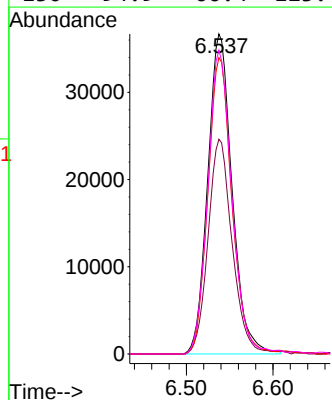
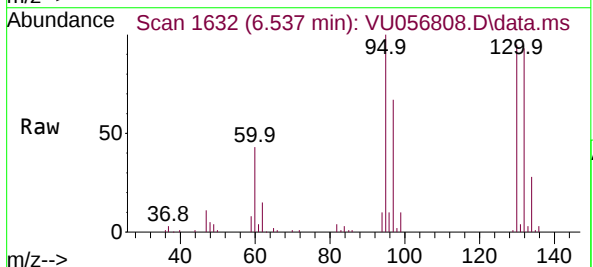
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AB7DL

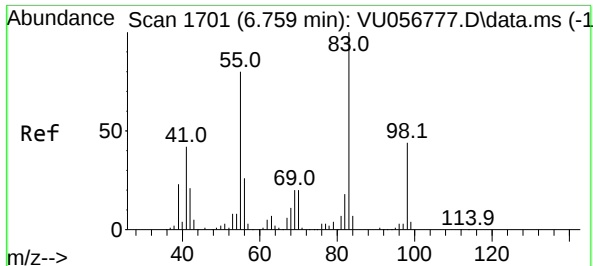
Tgt Ion: 96 Resp: 39582
 Ion Ratio Lower Upper
 96 100
 61 126.3 91.3 169.6
 98 64.1 44.2 82.0



#34
 Trichloroethene
 Concen: 3.073 ug/L
 RT: 6.537 min Scan# 1632
 Delta R.T. 0.000 min
 Lab File: VU056808.D
 Acq: 13 Dec 2023 01:23

Tgt Ion: 95 Resp: 71694
 Ion Ratio Lower Upper
 95 100
 97 67.1 46.1 85.5
 132 92.6 63.6 118.0
 130 94.9 66.4 123.4

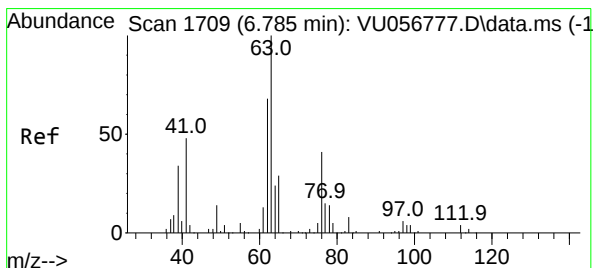
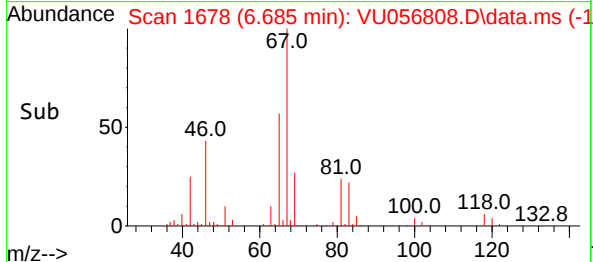
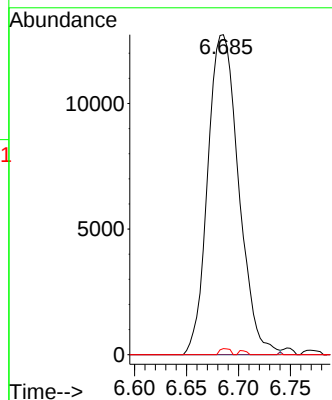
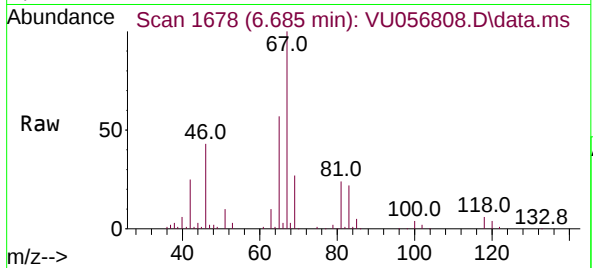




#35
Methylcyclohexane
Concen: 0.768 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU056808.D
Acq: 13 Dec 2023 01:23

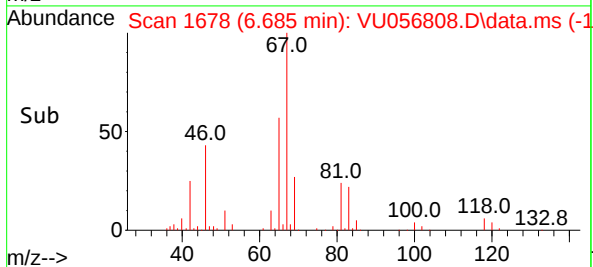
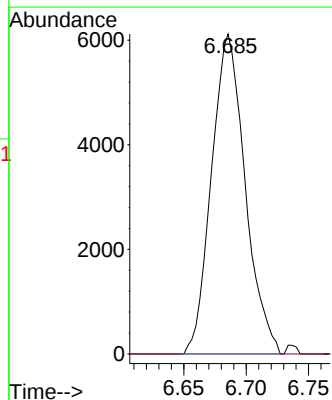
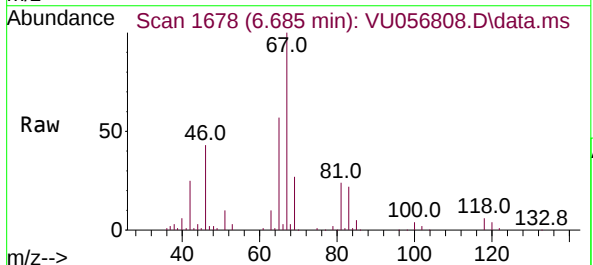
Instrument :
MSVOA_U
ClientSampleId :
H0AB7DL

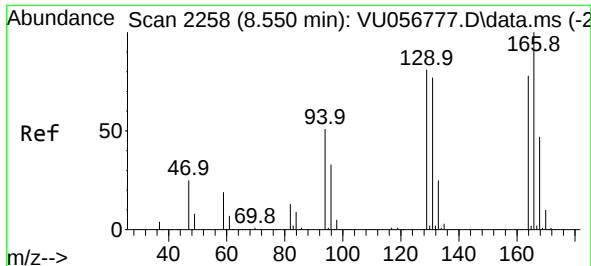
Tgt Ion: 83 Resp: 26430
Ion Ratio Lower Upper
83 100
55 0.1 64.6 97.0#
98 0.6 36.1 54.1#



#37
1,2-Dichloropropane
Concen: 0.528 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056808.D
Acq: 13 Dec 2023 01:23

Tgt Ion: 63 Resp: 11494
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#

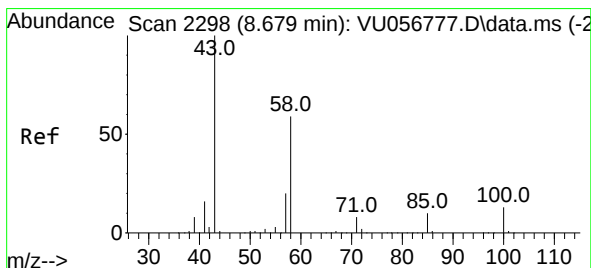
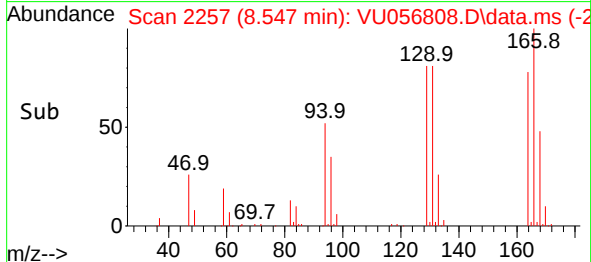
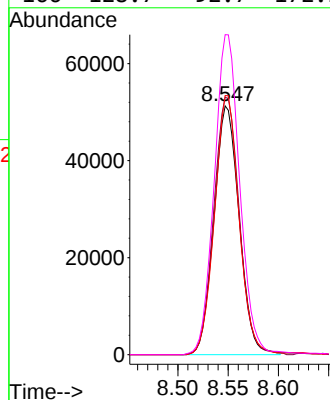
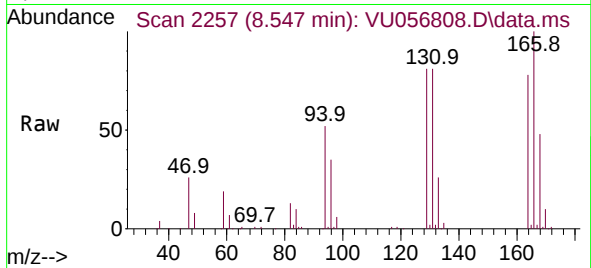




#47
Tetrachloroethene
Concen: 5.468 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056808.D
Acq: 13 Dec 2023 01:23

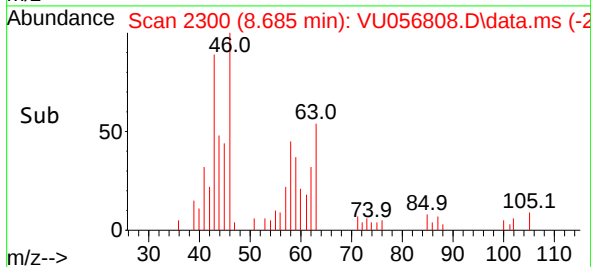
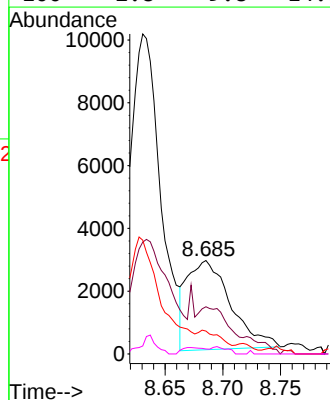
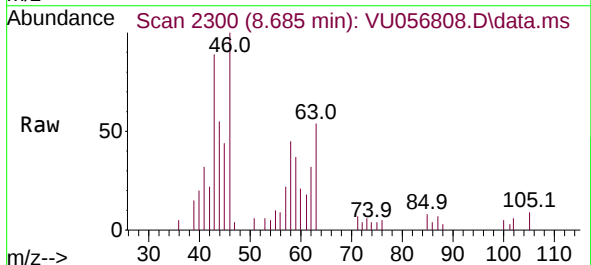
Instrument :
MSVOA_U
ClientSampleId :
H0AB7DL

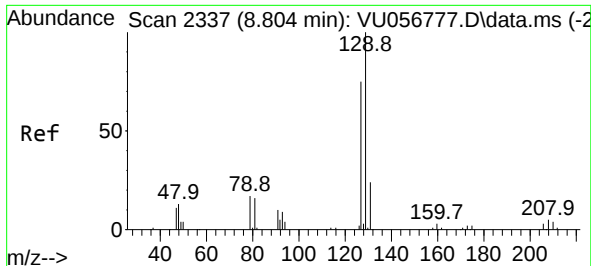
Tgt Ion:164 Resp: 89288
Ion Ratio Lower Upper
164 100
129 103.6 73.4 136.4
131 104.2 71.5 132.9
166 128.7 92.7 172.1



#48
2-Hexanone
Concen: 1.016 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.007 min
Lab File: VU056808.D
Acq: 13 Dec 2023 01:23

Tgt Ion: 43 Resp: 7477
Ion Ratio Lower Upper
43 100
58 41.8 47.5 71.3#
57 0.0 17.0 25.4#
100 2.8 9.8 14.8#

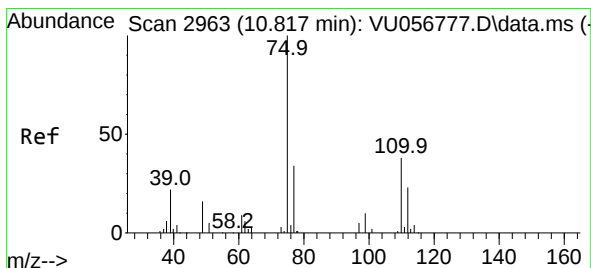
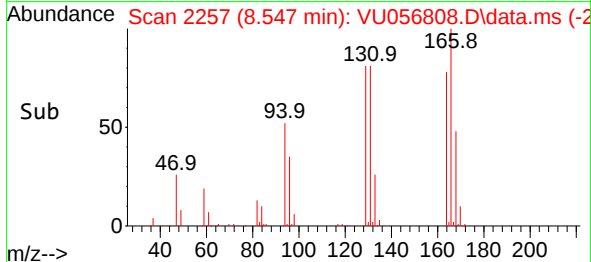
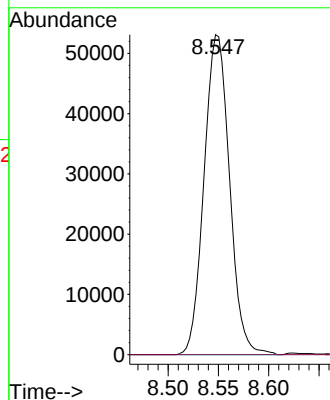
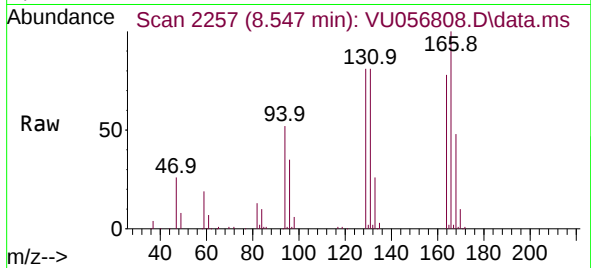




#49
Dibromochloromethane
Concen: 5.534 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU056808.D
Acq: 13 Dec 2023 01:23

Instrument :
MSVOA_U
ClientSampleId :
H0AB7DL

Tgt Ion:129 Resp: 93554
Ion Ratio Lower Upper
129 100
127 0.0 53.9 100.1#



#61
1,2,3-Trichloropropane
Concen: 1.176 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU056808.D
Acq: 13 Dec 2023 01:23

Tgt Ion: 75 Resp: 13514
Ion Ratio Lower Upper
75 100
110 2.3 28.4 42.6#
77 34.5 26.3 39.5

