

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056816.D
 Acq On : 13 Dec 2023 04:37
 Operator : MD/SY
 Sample : 05677-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AC9

Quant Time: Dec 13 05:02:01 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)

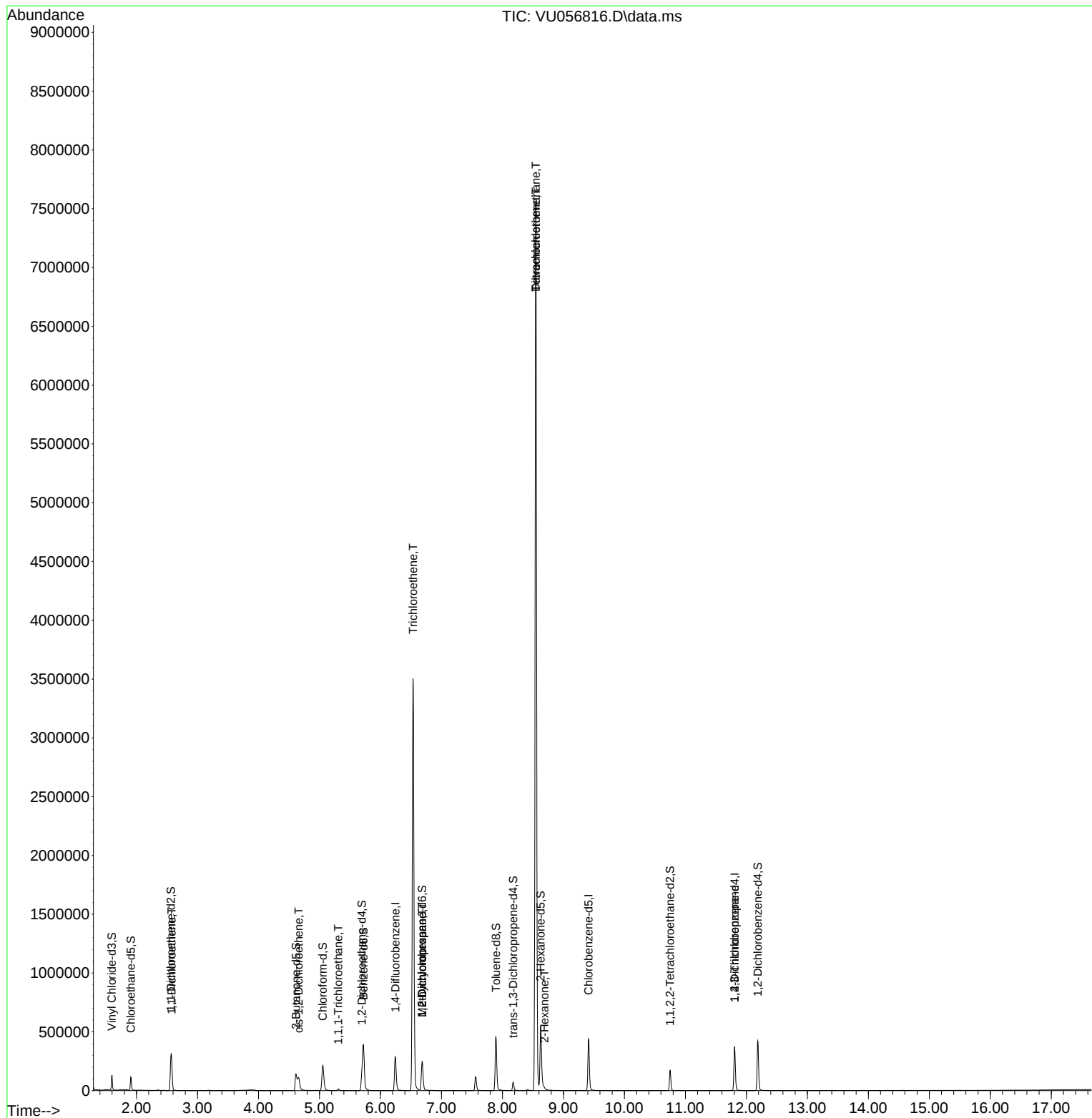
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	241955	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	254633	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101334	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	90025	4.341	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.907	69	78932	5.086	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.563	65	40613	4.577	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.615	46	220541	53.846	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.700%
24) Chloroform-d	5.055	84	199302	5.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.695	65	99250	5.340	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.721	84	377630	4.781	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.685	67	122844	4.969	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.894	98	321037	4.548	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	8.177	79	42436	4.427	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.627	63	183779	50.828	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.660%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	88206	4.932	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	112911	5.668	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	59939	3.051	ug/L	91
22) cis-1,2-Dichloroethene	4.660	96	49132	2.268	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	10663	0.290	ug/L	89
34) Trichloroethene	6.534	95	1246530	50.780	ug/L	98
35) Methylcyclohexane	6.685	83	29674	0.819	ug/L #	21
37) 1,2-Dichloropropane	6.685	63	13290	0.581	ug/L #	88
47) Tetrachloroethene	8.547	164	1609269	93.673	ug/L	98
48) 2-Hexanone	8.689	43	5482	0.708	ug/L #	89
49) Dibromochloromethane	8.547	129	1682917	94.605	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	12728	1.170	ug/L #	70

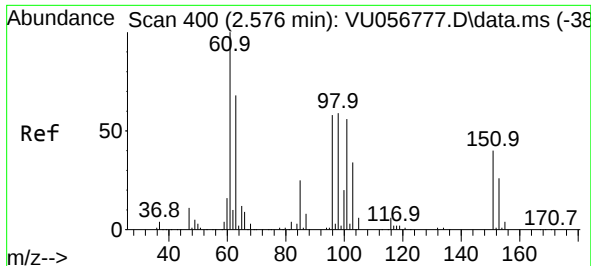
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 3.051 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Instrument :

MSVOA_U

ClientSampleId :

H0AC9

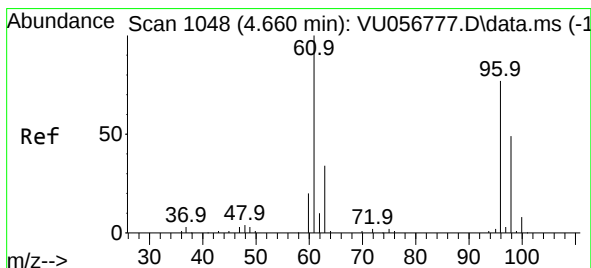
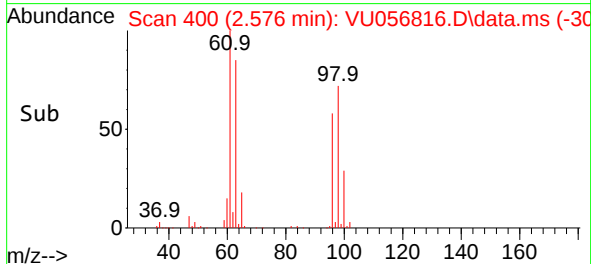
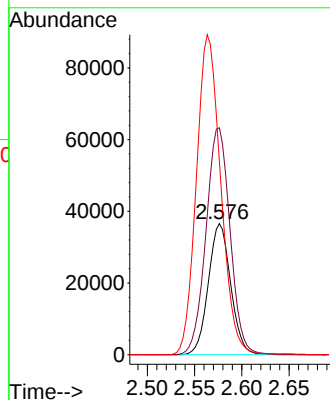
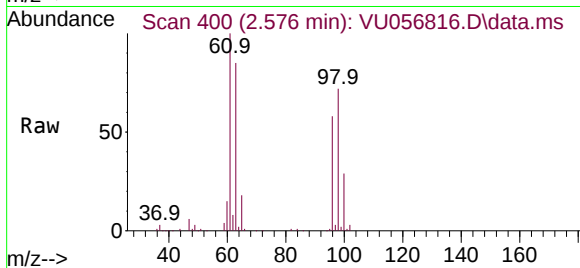
Tgt Ion: 96 Resp: 59939

Ion Ratio Lower Upper

96 100

61 173.1 119.0 221.0

63 147.2 88.7 164.7



#22

cis-1,2-Dichloroethene

Concen: 2.268 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

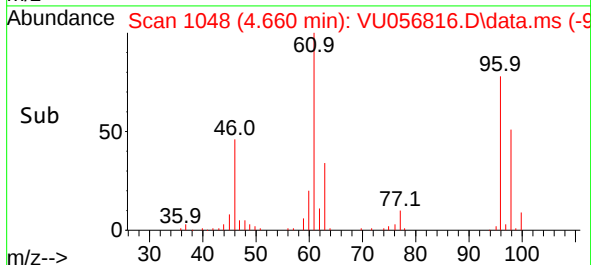
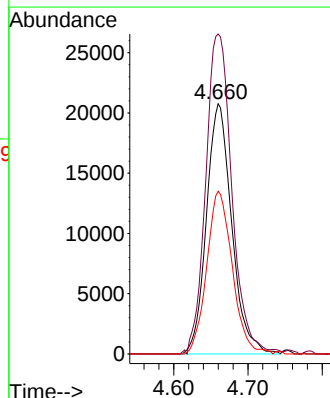
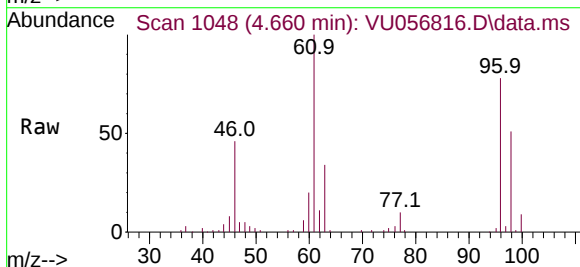
Tgt Ion: 96 Resp: 49132

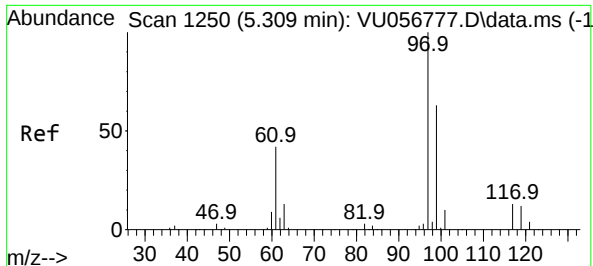
Ion Ratio Lower Upper

96 100

61 127.9 91.3 169.6

98 65.1 44.2 82.0





#29

1,1,1-Trichloroethane

Concen: 0.290 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Instrument :

MSVOA_U

ClientSampleId :

H0AC9

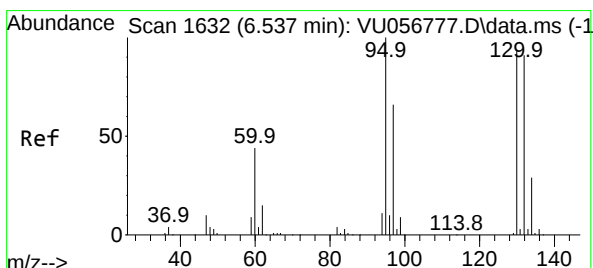
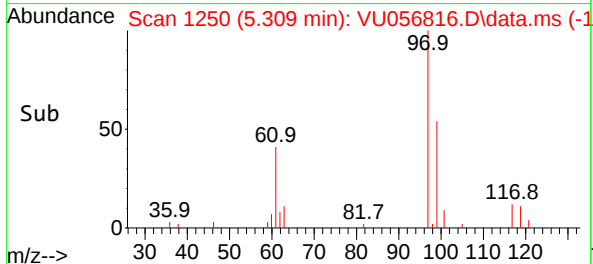
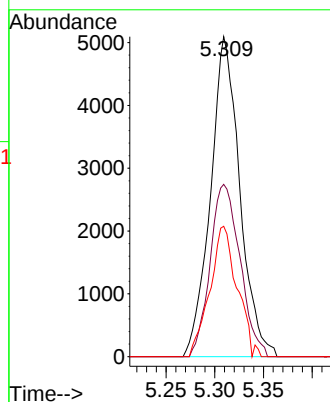
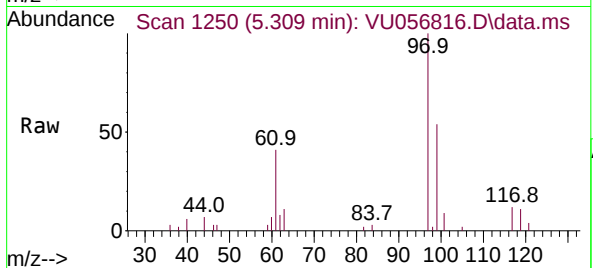
Tgt Ion: 97 Resp: 10663

Ion Ratio Lower Upper

97 100

99 54.9 52.5 78.7

61 37.9 34.2 51.2



#34

Trichloroethene

Concen: 50.780 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Tgt Ion: 95 Resp: 1246530

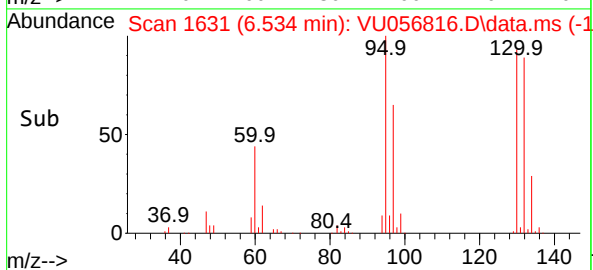
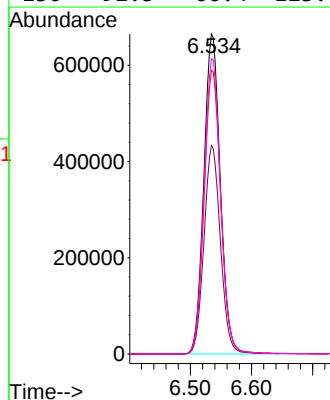
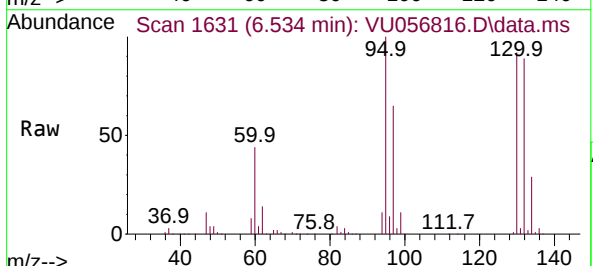
Ion Ratio Lower Upper

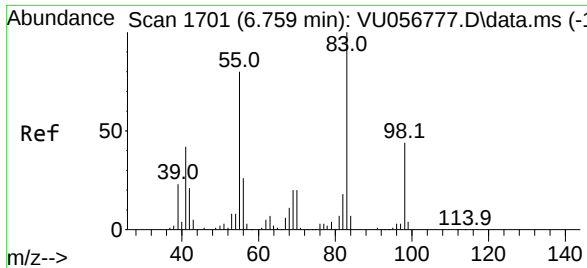
95 100

97 65.1 46.1 85.5

132 88.7 63.6 118.0

130 92.3 66.4 123.4

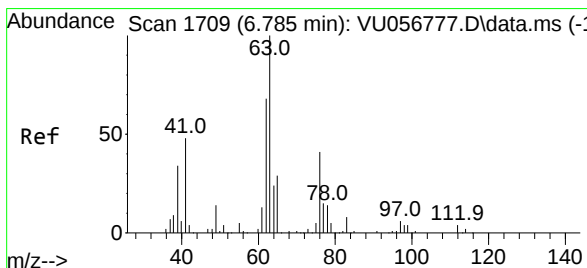
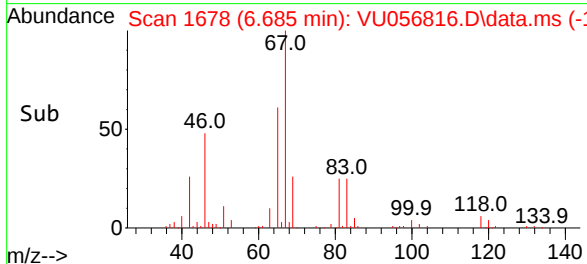
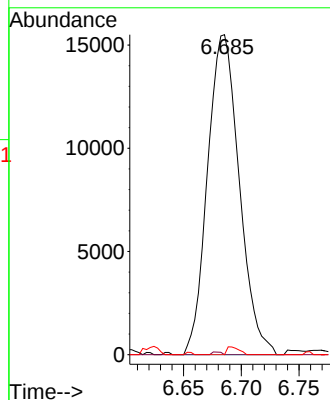
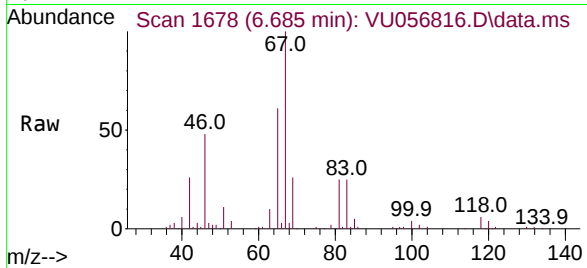




#35
Methylcyclohexane
Concen: 0.819 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU056816.D
Acq: 13 Dec 2023 04:37

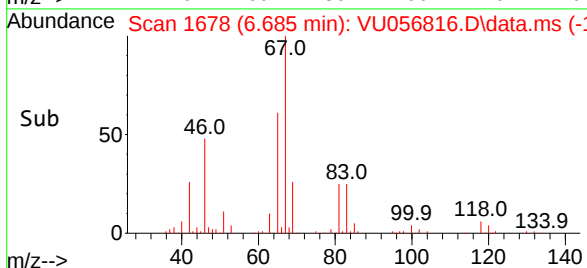
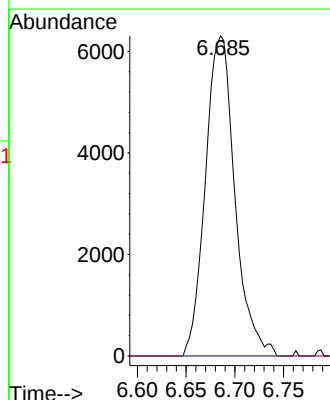
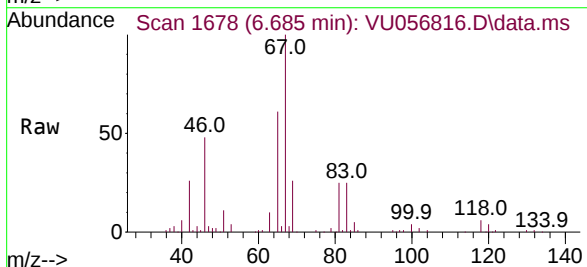
Instrument :
MSVOA_U
ClientSampleId :
H0AC9

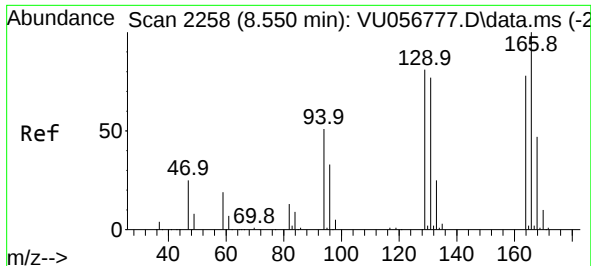
Tgt Ion: 83 Resp: 29674
Ion Ratio Lower Upper
83 100
55 0.2 64.6 97.0#
98 6.8 36.1 54.1#



#37
1,2-Dichloropropane
Concen: 0.581 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056816.D
Acq: 13 Dec 2023 04:37

Tgt Ion: 63 Resp: 13290
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#





#47

Tetrachloroethene

Concen: 93.673 ug/L

RT: 8.547 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Instrument :

MSVOA_U

ClientSampleId :

H0AC9

Tgt Ion:164 Resp: 1609269

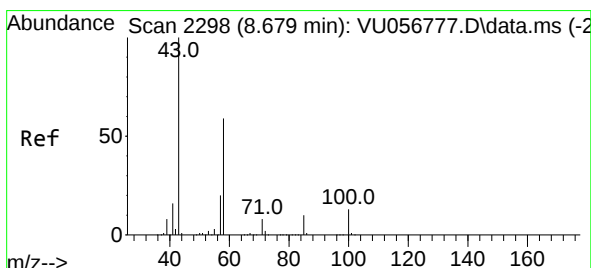
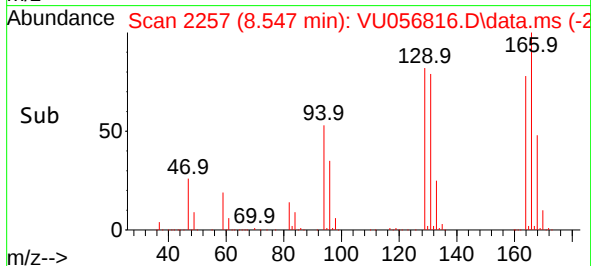
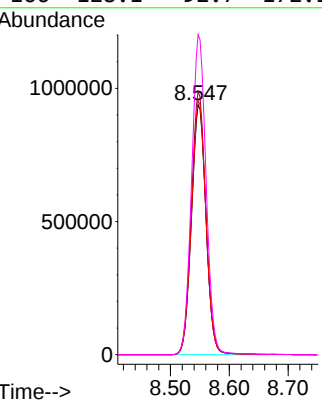
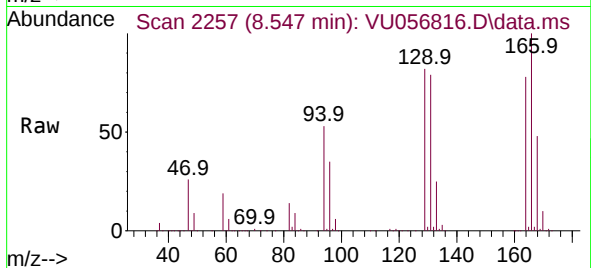
Ion Ratio Lower Upper

164 100

129 105.4 73.4 136.4

131 101.7 71.5 132.9

166 128.1 92.7 172.1



#48

2-Hexanone

Concen: 0.708 ug/L

RT: 8.689 min Scan# 2301

Delta R.T. 0.010 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Tgt Ion: 43 Resp: 5482

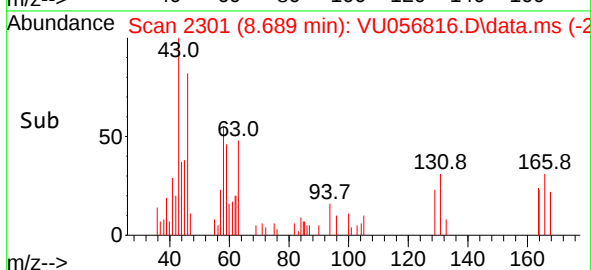
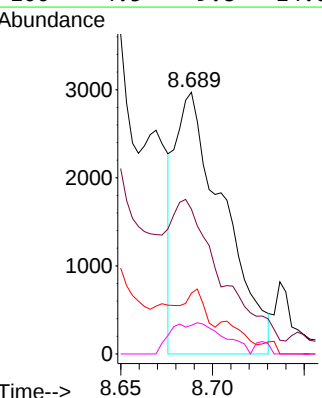
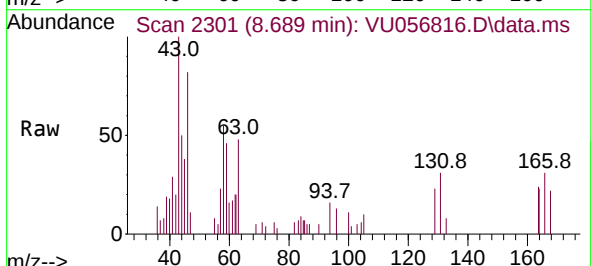
Ion Ratio Lower Upper

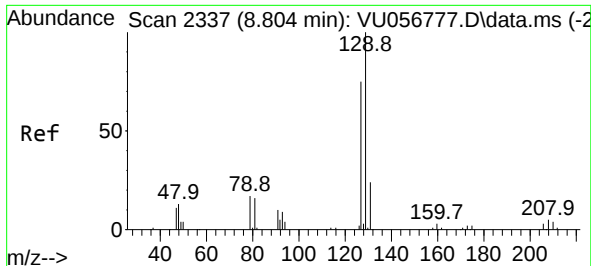
43 100

58 58.2 47.5 71.3

57 5.5 17.0 25.4#

100 4.5 9.8 14.8#





#49

Dibromochloromethane

Concen: 94.605 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Instrument :

MSVOA_U

ClientSampleId :

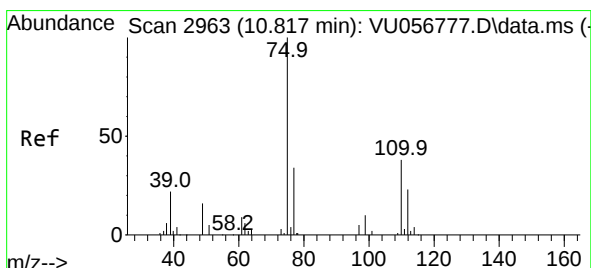
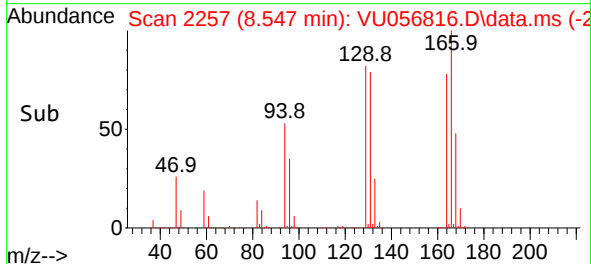
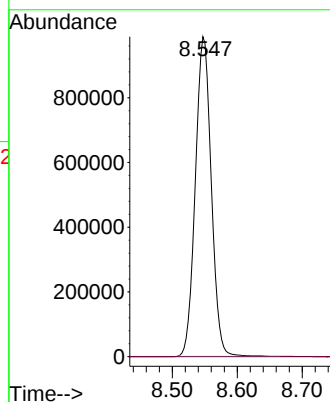
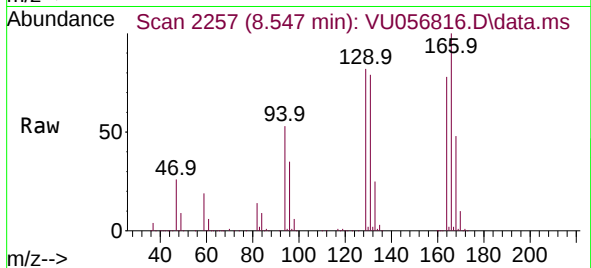
H0AC9

Tgt Ion:129 Resp: 1682917

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.170 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Tgt Ion: 75 Resp: 12728

Ion Ratio Lower Upper

75 100

110 3.2 28.4 42.6#

77 33.9 26.3 39.5

