

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111523\
 Data File : VU056361.D
 Acq On : 15 Nov 2023 17:39
 Operator : MD/SY
 Sample : 05339-11DL 10X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 16 04:40:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 16 04:37:29 2023
 Response via : Initial Calibration

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

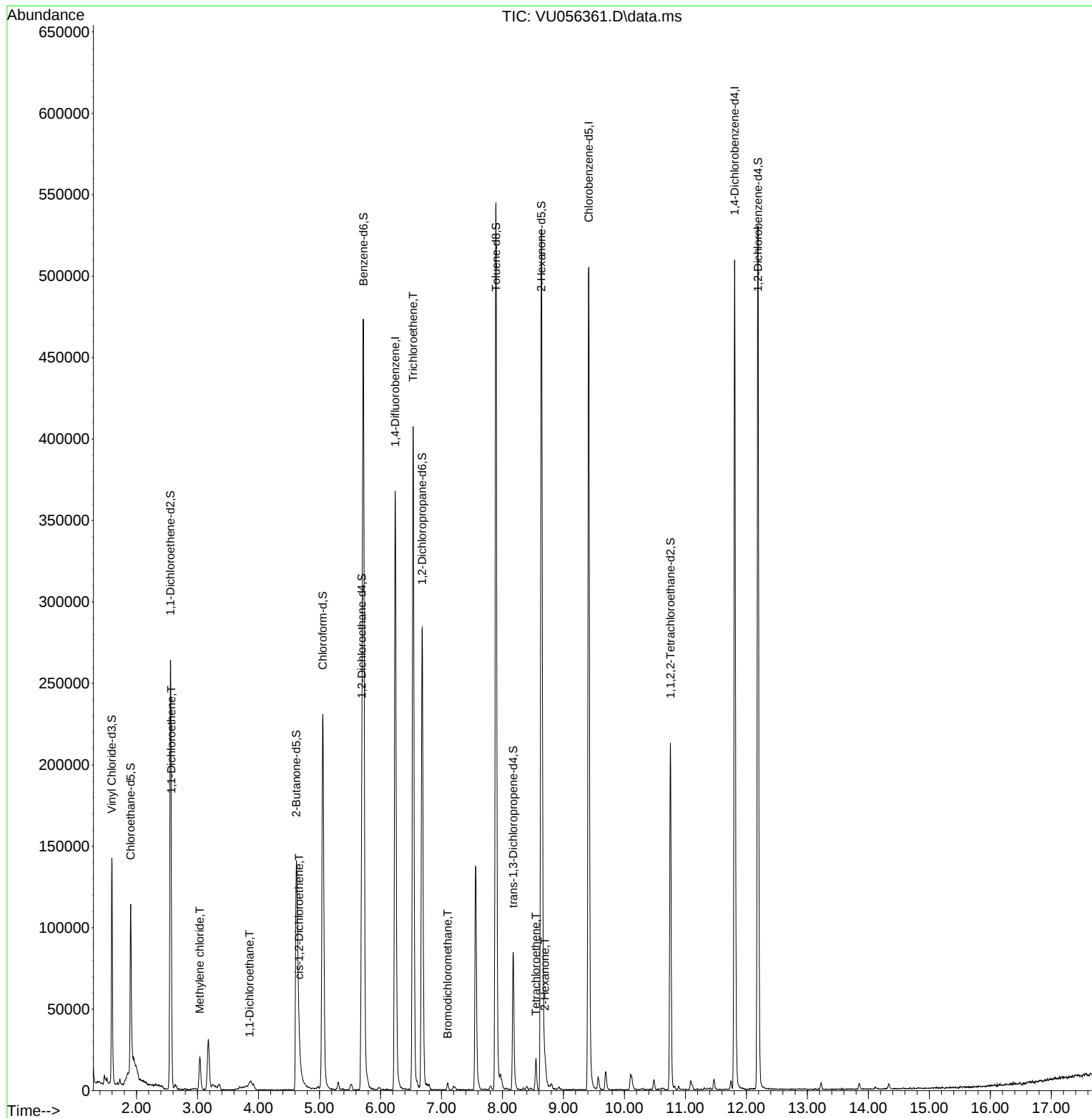
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	298415	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	292366	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	133172	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	105248	4.715	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.904	69	75869	4.433	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.557	65	49163	4.991	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	4.621	46	238621	53.614	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.220%
24) Chloroform-d	5.055	84	216807	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.695	65	112673	5.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.000%
32) Benzene-d6	5.721	84	453568	5.207	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
36) 1,2-Dichloropropane-d6	6.682	67	140834	5.364	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.200%
41) Toluene-d8	7.894	98	383309	4.983	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	8.177	79	51040	5.069	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.400%
46) 2-Hexanone-d5	8.640	63	213742	54.019	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.040%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	107621	5.737	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	135197	5.495	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.000%
Target Compounds						
12) 1,1-Dichloroethene	2.570	96	5159	0.282	ug/L #	1
16) Methylene chloride	3.036	84	10345	0.428	ug/L	97
19) 1,1-Dichloroethane	3.856	63	3639	0.098	ug/L	90
22) cis-1,2-Dichloroethene	4.666	96	3968	0.186	ug/L	96
34) Trichloroethene	6.537	95	147008	6.468	ug/L	98
38) Bromodichloromethane	7.103	83	3081	0.110	ug/L #	87
47) Tetrachloroethene	8.547	164	3932	0.257	ug/L	87
48) 2-Hexanone	8.698	43	8541	1.017	ug/L	99

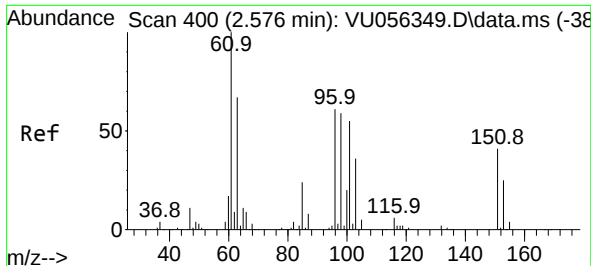
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.282 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.006 min

Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

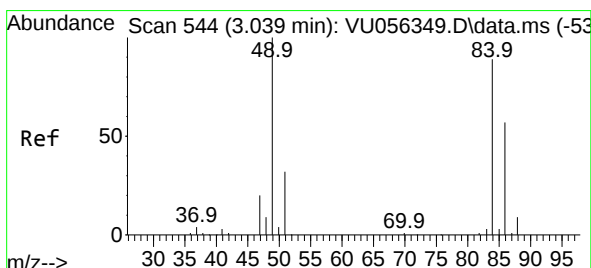
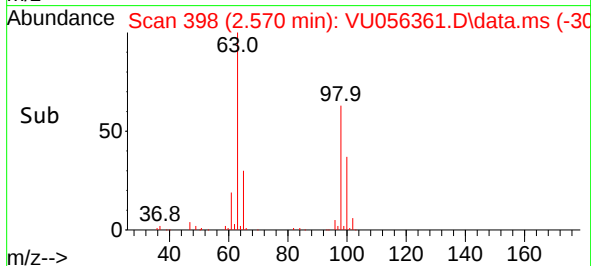
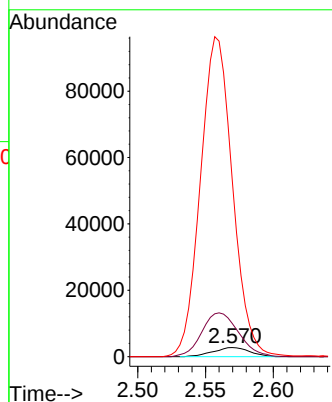
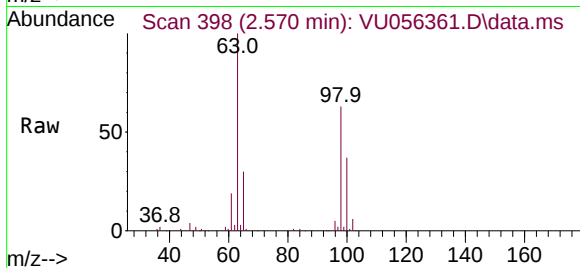
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 5159

Ion	Ratio	Lower	Upper
96	100		
61	364.9	123.1	228.7#
63	1939.7	93.3	173.3#



#16

Methylene chloride

Concen: 0.428 ug/L

RT: 3.036 min Scan# 543

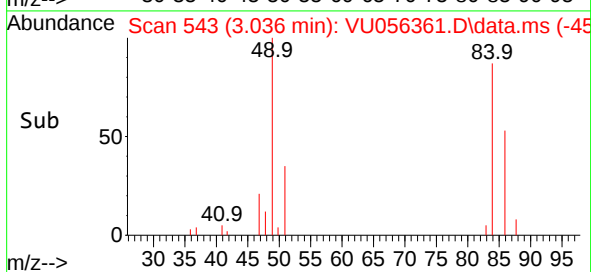
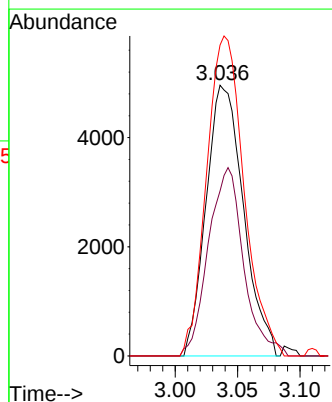
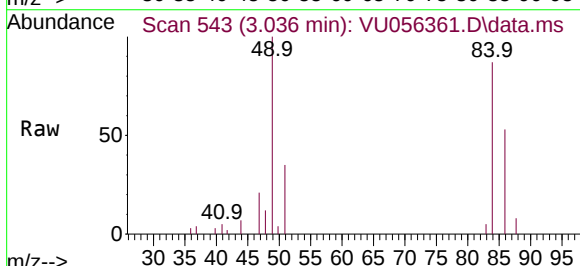
Delta R.T. -0.003 min

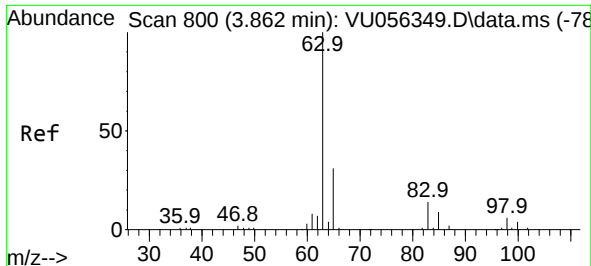
Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

Tgt Ion: 84 Resp: 10345

Ion	Ratio	Lower	Upper
84	100		
86	61.0	44.7	83.1
49	119.8	81.8	152.0





#19

1,1-Dichloroethane

Concen: 0.098 ug/L

RT: 3.856 min Scan# 71

Delta R.T. -0.006 min

Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

Instrument :

MSVOA_U

ClientSampleId :

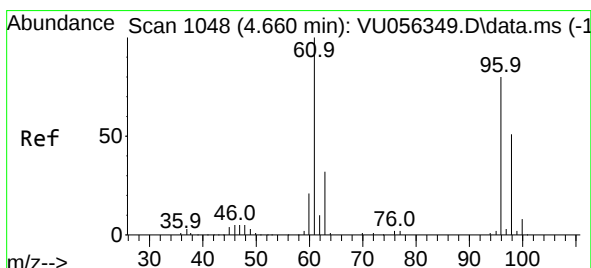
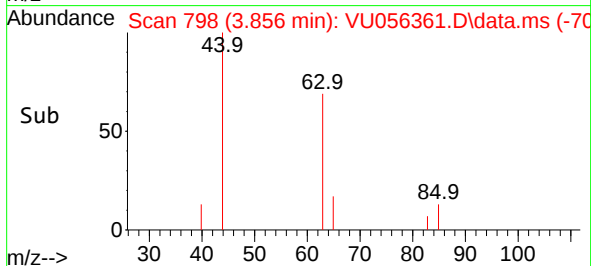
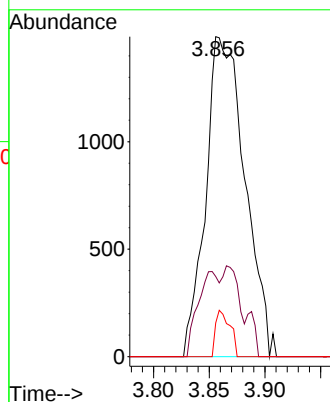
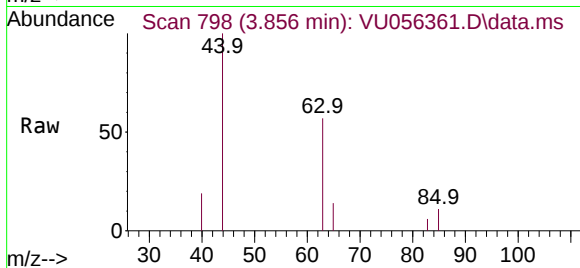
Tgt Ion: 63 Resp: 3639

Ion Ratio Lower Upper

63 100

65 25.1 21.8 40.6

83 10.5 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 0.186 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

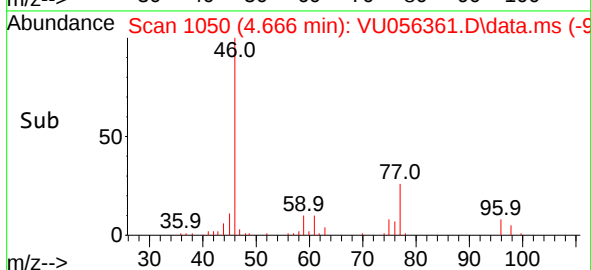
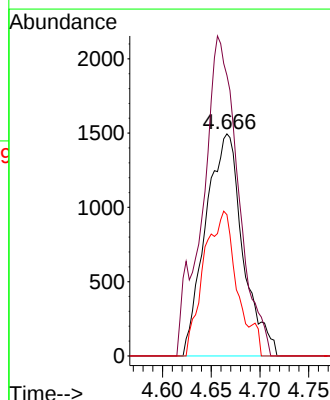
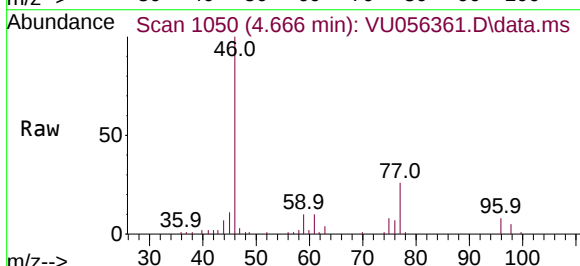
Tgt Ion: 96 Resp: 3968

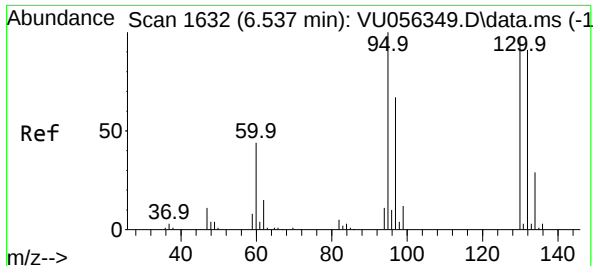
Ion Ratio Lower Upper

96 100

61 126.4 93.2 173.2

98 63.6 44.8 83.2





#34

Trichloroethene

Concen: 6.468 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 147008

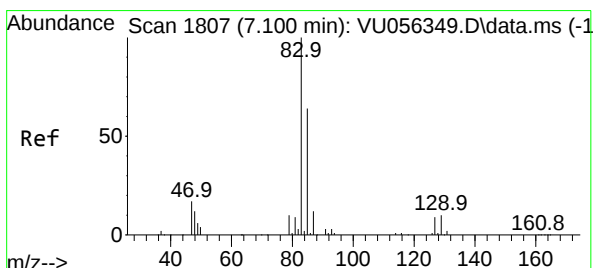
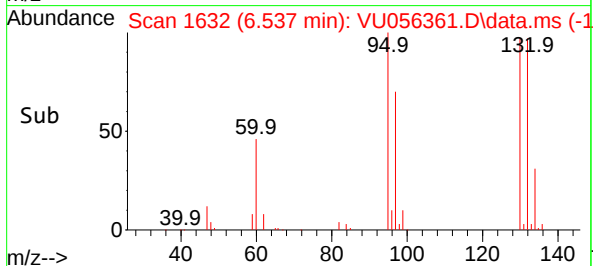
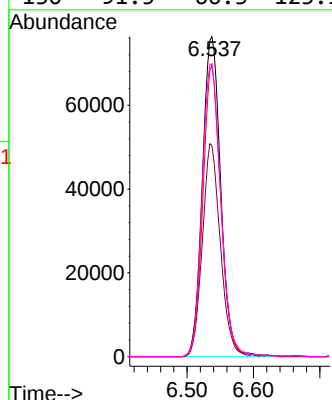
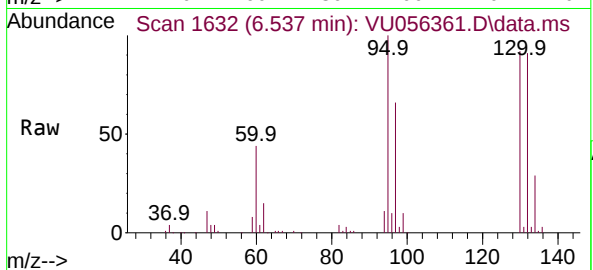
Ion Ratio Lower Upper

95 100

97 66.0 46.5 86.3

132 91.2 62.0 115.2

130 91.5 66.3 123.1



#38

Bromodichloromethane

Concen: 0.110 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

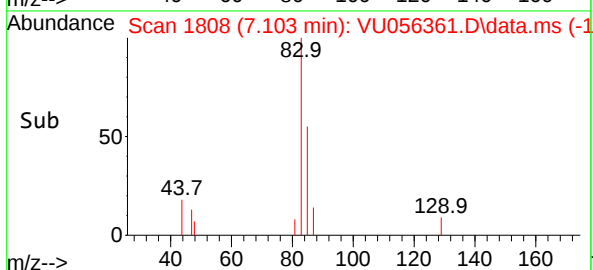
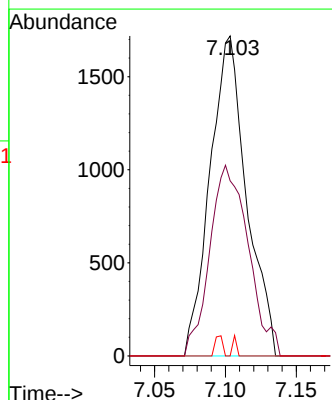
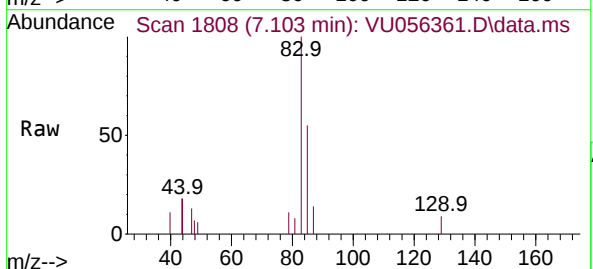
Tgt Ion: 83 Resp: 3081

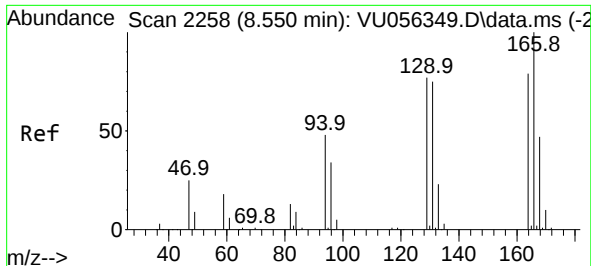
Ion Ratio Lower Upper

83 100

85 54.7 44.9 83.5

127 0.0 6.9 10.3#





#47

Tetrachloroethene

Concen: 0.257 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

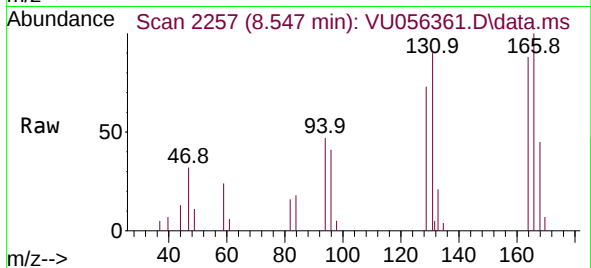
Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 3932

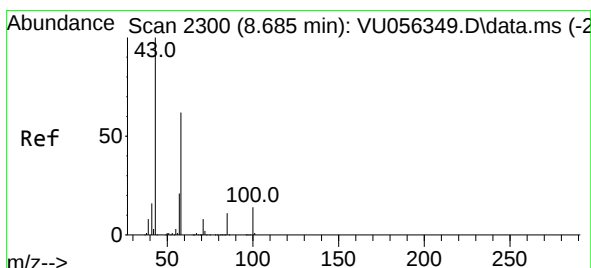
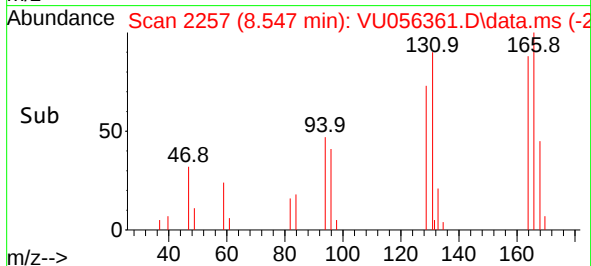
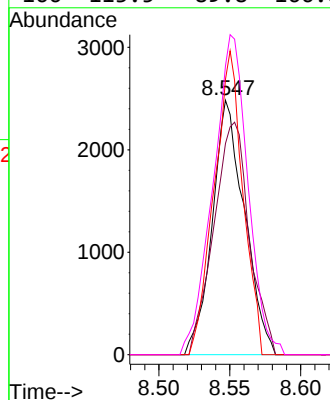
Ion Ratio Lower Upper

164 100

129 83.0 71.0 131.9

131 108.2 70.3 130.7

166 113.5 89.8 166.8



#48

2-Hexanone

Concen: 1.017 ug/L

RT: 8.698 min Scan# 2304

Delta R.T. 0.013 min

Lab File: VU056361.D

Acq: 15 Nov 2023 17:39

Tgt Ion: 43 Resp: 8541

Ion Ratio Lower Upper

43 100

58 61.1 48.7 73.1

57 19.2 16.8 25.2

100 12.3 9.9 14.9

