

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112123\
 Data File : VU056559.D
 Acq On : 21 Nov 2023 18:22
 Operator : MD/SY
 Sample : 05441-03DL 20X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 23:37:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 21 23:30:53 2023
 Response via : Initial Calibration

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

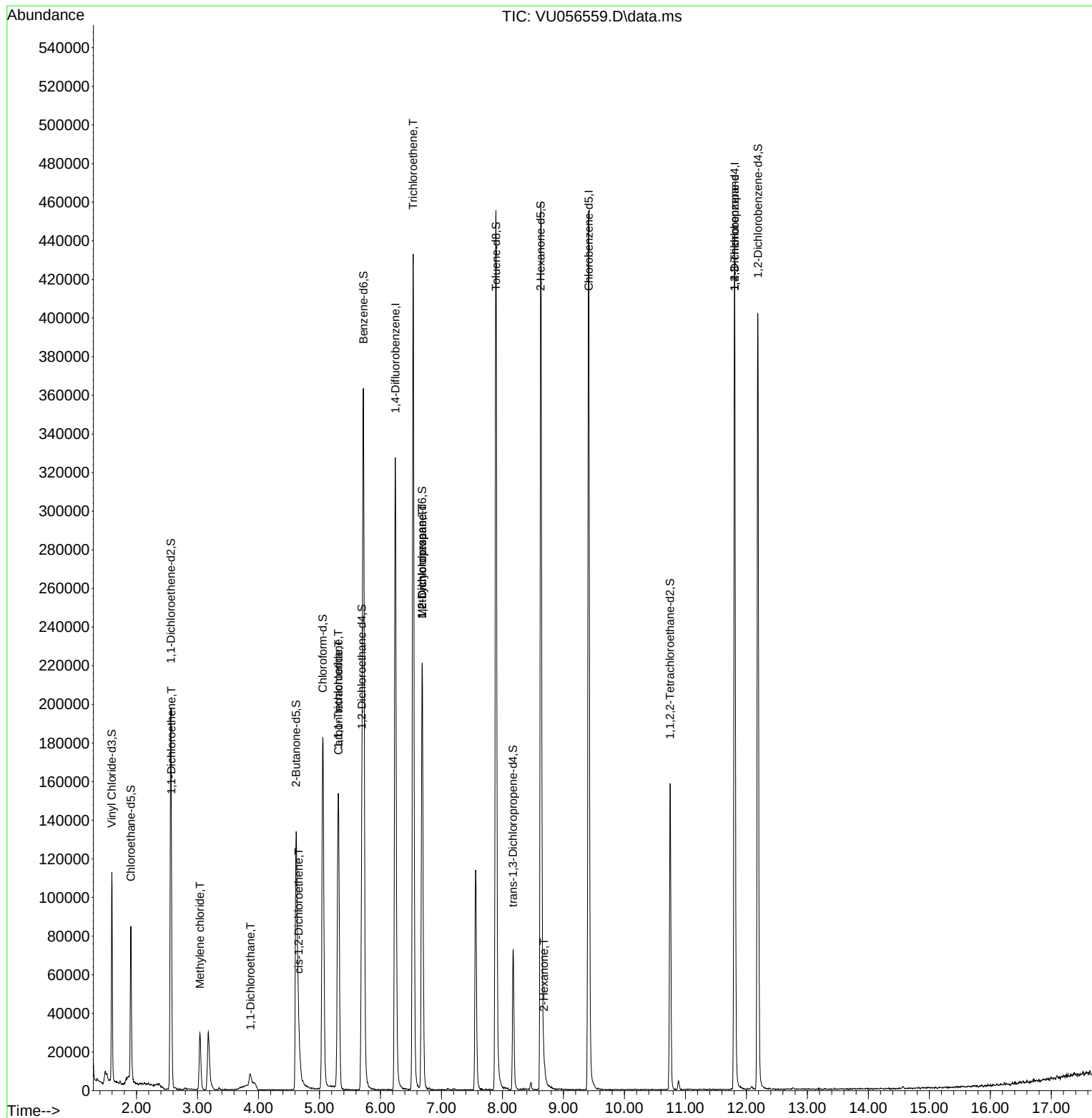
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	274009	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	270096	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	115948	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	75843	3.701	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	74.000%	
7) Chloroethane-d5	1.907	69	57889	3.684	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	73.600%	
11) 1,1-Dichloroethene-d2	2.563	65	37158	4.108	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	82.200%	
20) 2-Butanone-d5	4.618	46	192070	46.999	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	94.000%	
24) Chloroform-d	5.055	84	178443	4.501	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
26) 1,2-Dichloroethane-d4	5.695	65	89515	4.887	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.800%	
32) Benzene-d6	5.721	84	351061	4.363	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.200%	
36) 1,2-Dichloropropane-d6	6.685	67	111251	4.587	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	91.800%	
41) Toluene-d8	7.894	98	317863	4.473	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.400%	
43) trans-1,3-Dichloroprop...	8.174	79	43978	4.728	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.600%	
46) 2-Hexanone-d5	8.627	63	162933	44.573	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	89.140%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	77305	4.461	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	89.200%	
66) 1,2-Dichlorobenzene-d4	12.190	152	108169	5.050	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.000%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.573	96	3124	0.186	ug/L #	1
16) Methylene chloride	3.039	84	15854	0.714	ug/L	90
19) 1,1-Dichloroethane	3.869	63	6972	0.204	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	5259	0.269	ug/L	85
29) 1,1,1-Trichloroethane	5.309	97	117573	3.792	ug/L	99
31) Carbon tetrachloride	5.312	117	14560	0.547	ug/L	99
34) Trichloroethene	6.537	95	153246	7.298	ug/L	98
35) Methylcyclohexane	6.685	83	25525	0.842	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	11197	0.557	ug/L #	88
48) 2-Hexanone	8.682	43	4680	0.603	ug/L #	35
61) 1,2,3-Trichloropropane	11.807	75	15024	1.510	ug/L #	66

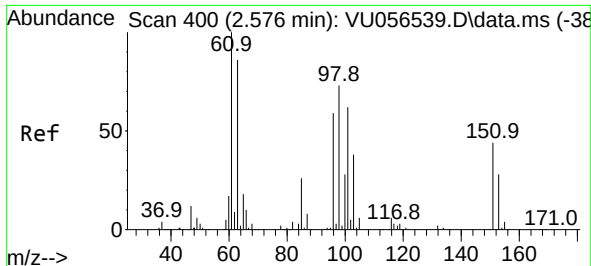
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.186 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

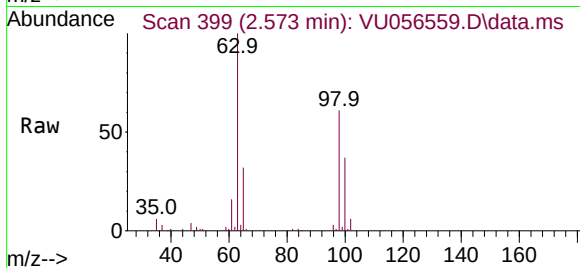
Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

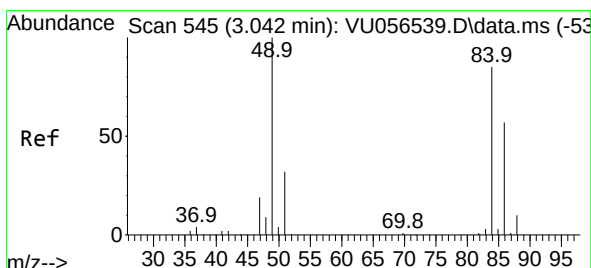
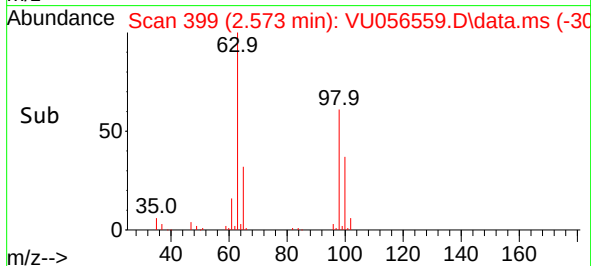
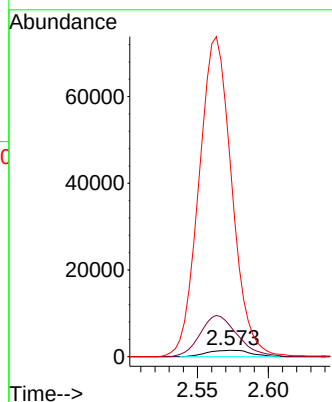
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	3124
Ion	Ratio	Lower	Upper
96	100		
61	484.4	123.1	228.7#
63	3076.6	93.3	173.3#



#16

Methylene chloride

Concen: 0.714 ug/L

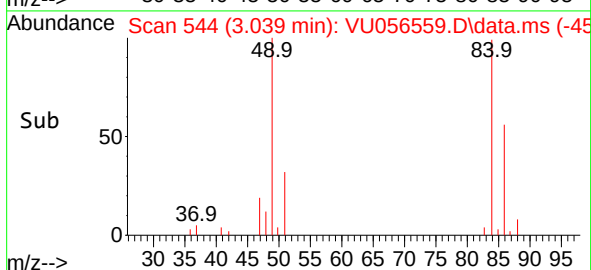
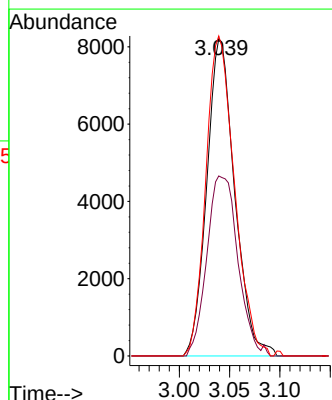
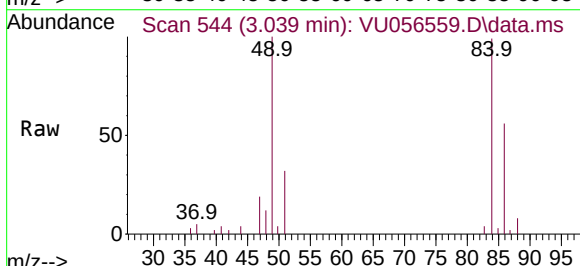
RT: 3.039 min Scan# 544

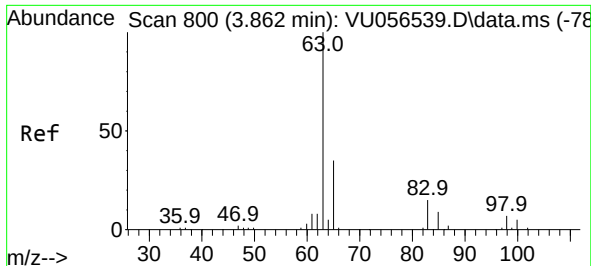
Delta R.T. -0.003 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

Tgt Ion:	84	Resp:	15854
Ion	Ratio	Lower	Upper
84	100		
86	56.8	44.7	83.1
49	105.0	81.8	152.0

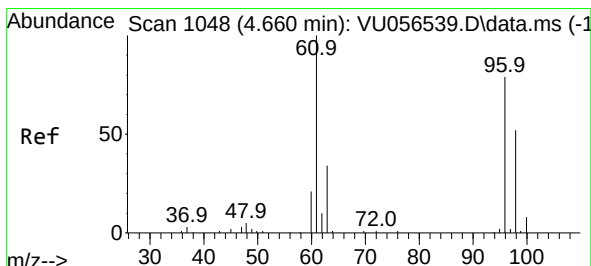
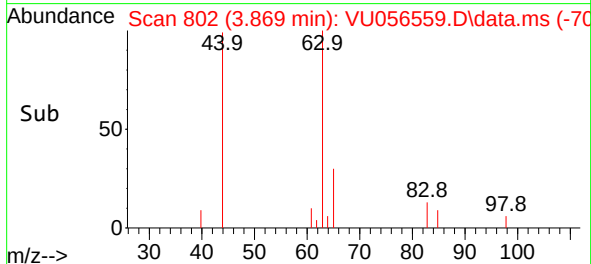
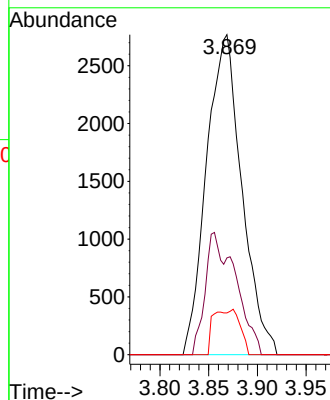
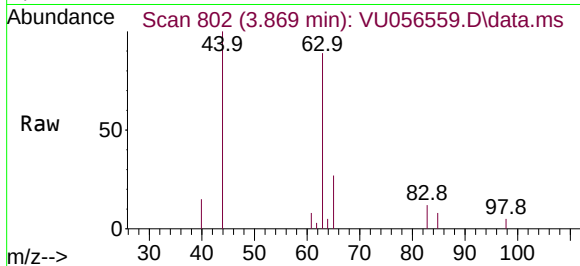




#19
1,1-Dichloroethane
Concen: 0.204 ug/L
RT: 3.869 min Scan# 800
Delta R.T. 0.006 min
Lab File: VU056559.D
Acq: 21 Nov 2023 18:22

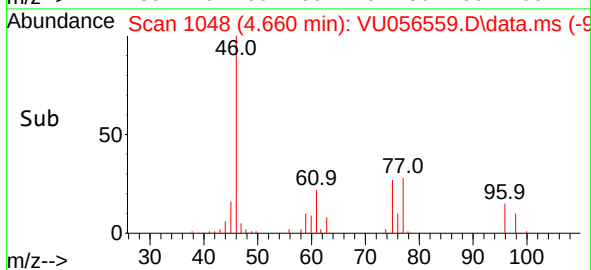
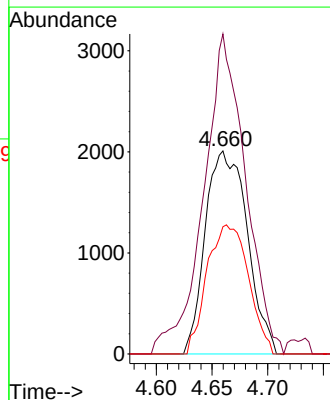
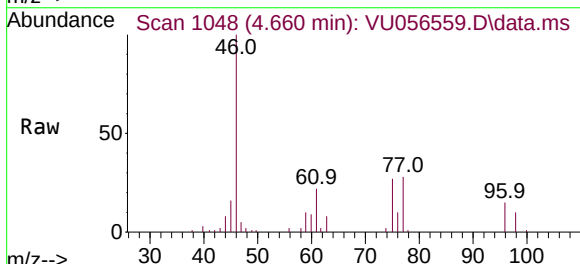
Instrument :
MSVOA_U
ClientSampleId :

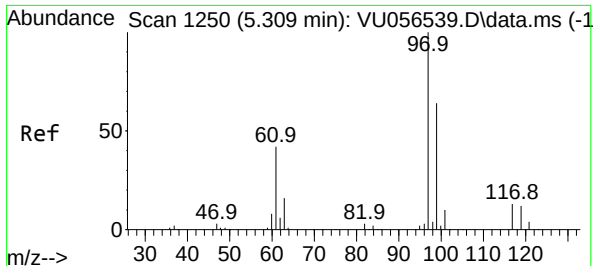
Tgt Ion: 63 Resp: 6972
Ion Ratio Lower Upper
63 100
65 30.3 21.8 40.6
83 13.1 9.7 17.9



#22
cis-1,2-Dichloroethene
Concen: 0.269 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU056559.D
Acq: 21 Nov 2023 18:22

Tgt Ion: 96 Resp: 5259
Ion Ratio Lower Upper
96 100
61 157.6 93.2 173.2
98 62.7 44.8 83.2





#29

1,1,1-Trichloroethane

Concen: 3.792 ug/L

RT: 5.309 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

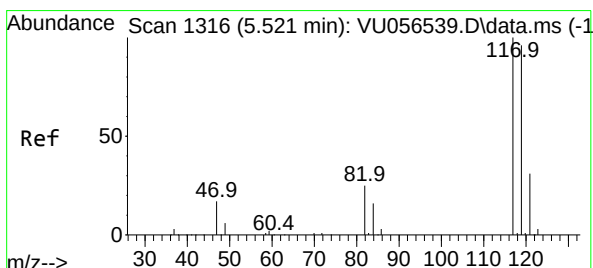
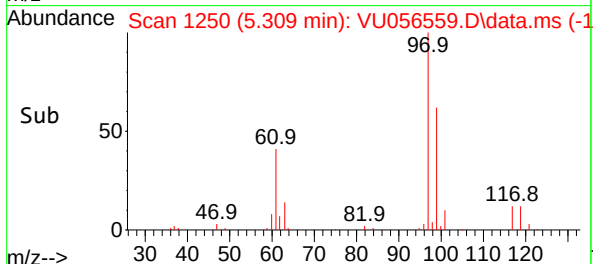
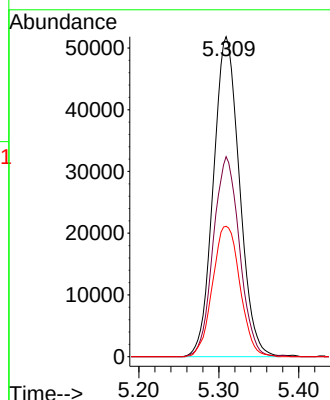
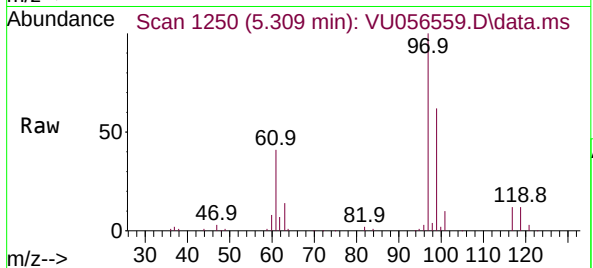
Tgt Ion: 97 Resp: 117573

Ion Ratio Lower Upper

97 100

99 62.9 51.6 77.4

61 42.8 34.3 51.5



#31

Carbon tetrachloride

Concen: 0.547 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.209 min

Lab File: VU056559.D

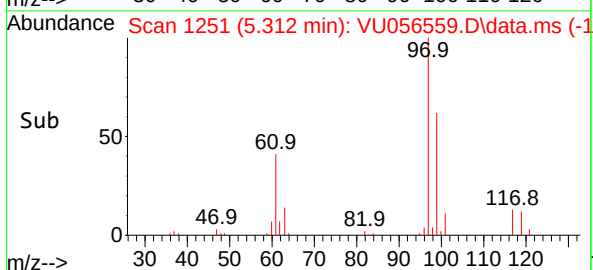
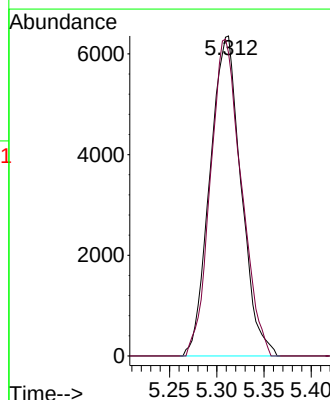
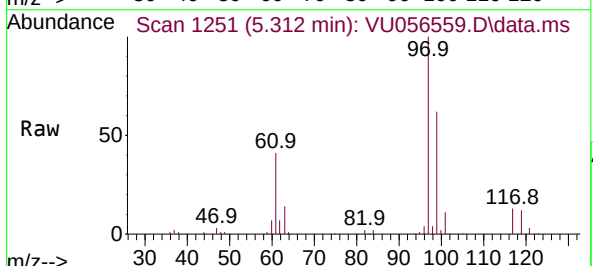
Acq: 21 Nov 2023 18:22

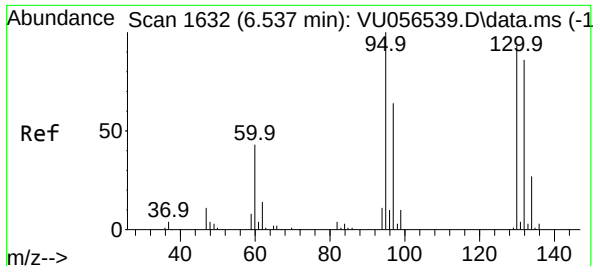
Tgt Ion: 117 Resp: 14560

Ion Ratio Lower Upper

117 100

119 98.2 78.1 117.1





#34

Trichloroethene

Concen: 7.298 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 153246

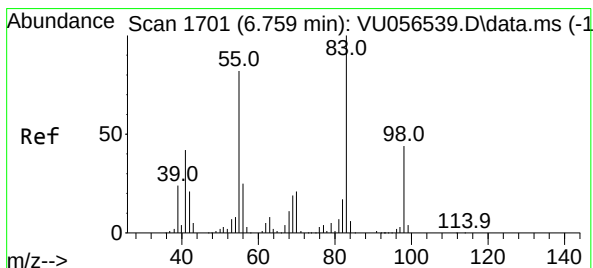
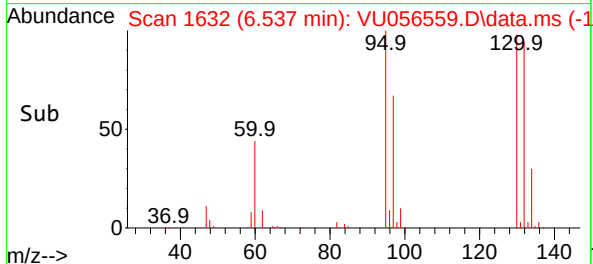
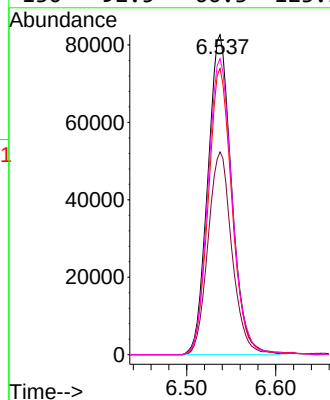
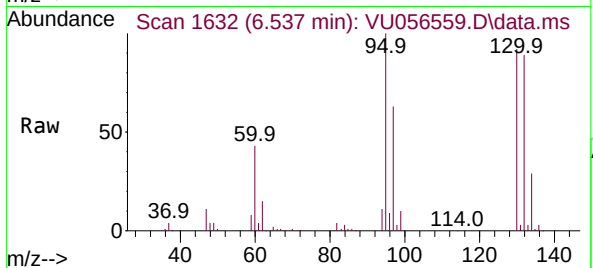
Ion Ratio Lower Upper

95 100

97 63.4 46.5 86.3

132 89.5 62.0 115.2

130 92.5 66.3 123.1



#35

Methylcyclohexane

Concen: 0.842 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

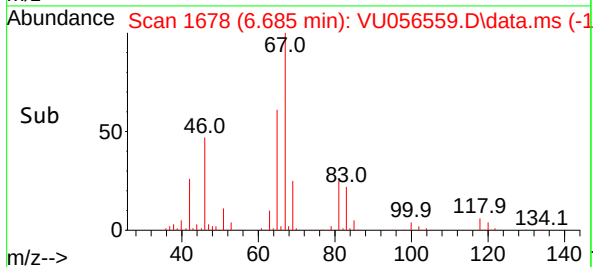
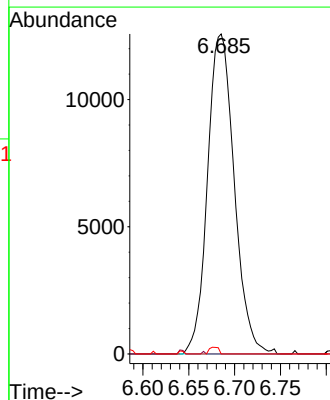
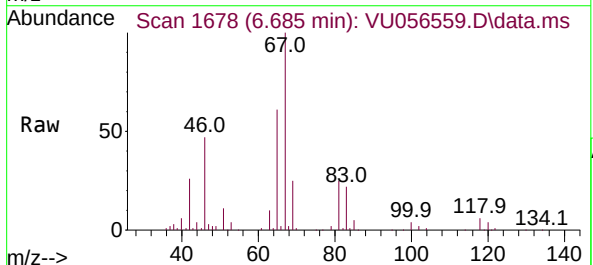
Tgt Ion: 83 Resp: 25525

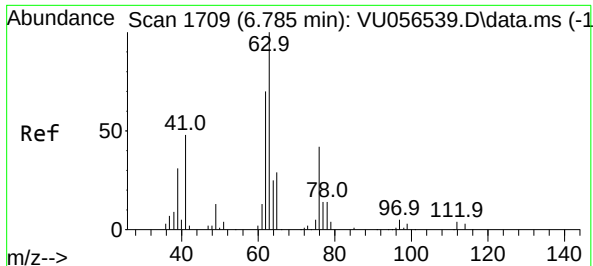
Ion Ratio Lower Upper

83 100

55 0.1 62.9 94.3#

98 0.7 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.557 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

Instrument :

MSVOA_U

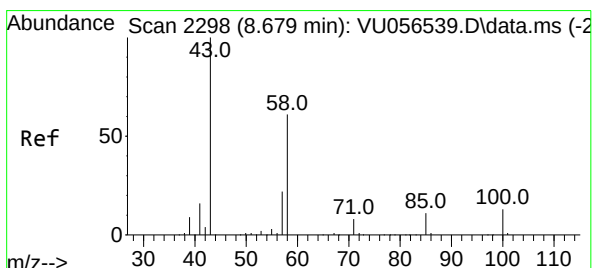
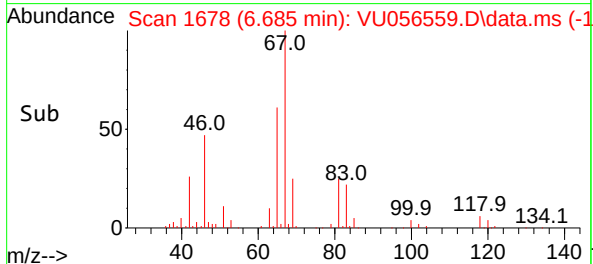
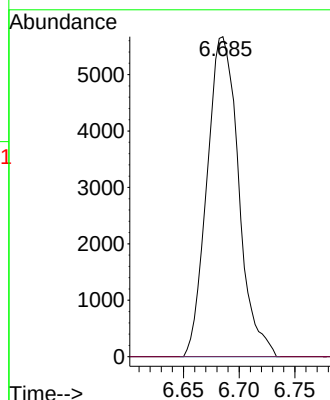
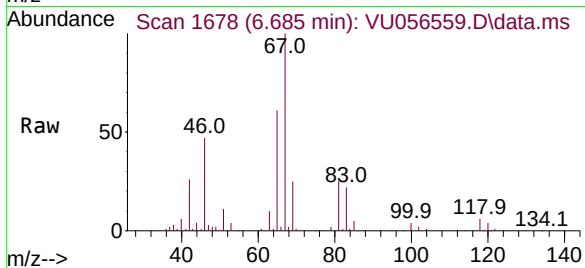
ClientSampleId :

Tgt Ion: 63 Resp: 11197

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#48

2-Hexanone

Concen: 0.603 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. 0.003 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

Tgt Ion: 43 Resp: 4680

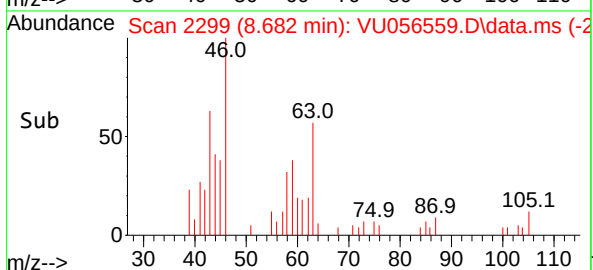
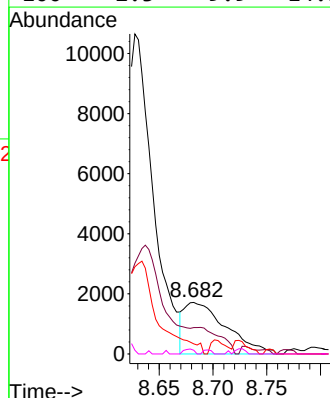
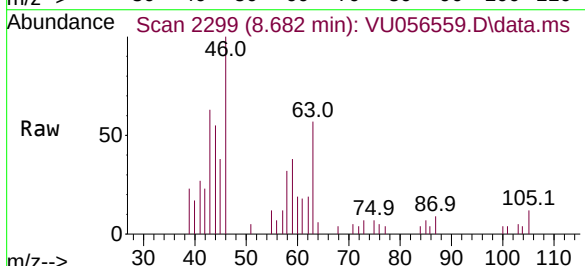
Ion Ratio Lower Upper

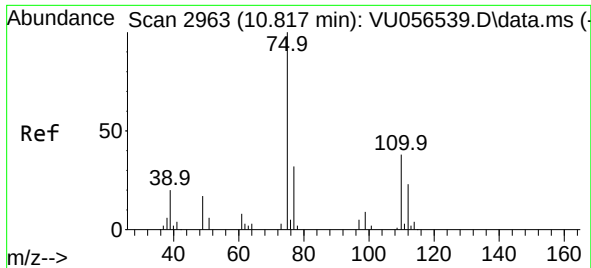
43 100

58 0.0 48.7 73.1#

57 0.0 16.8 25.2#

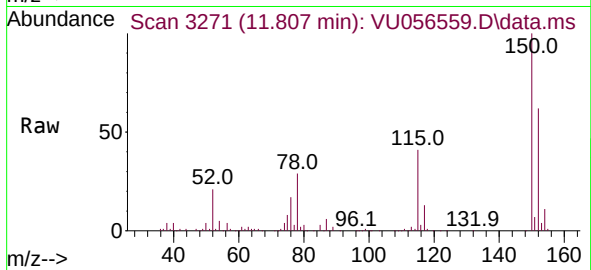
100 2.3 9.9 14.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.510 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU056559.D
 Acq: 21 Nov 2023 18:22

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 15024
 Ion Ratio Lower Upper
 75 100
 110 1.9 30.4 45.6#
 77 31.2 27.0 40.6

