

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081522\
 Data File : VU050339.D
 Acq On : 15 Aug 2022 14:23
 Operator : SY/MD
 Sample : N4160-12DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 16 00:31:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 16 00:29:27 2022
 Response via : Initial Calibration

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

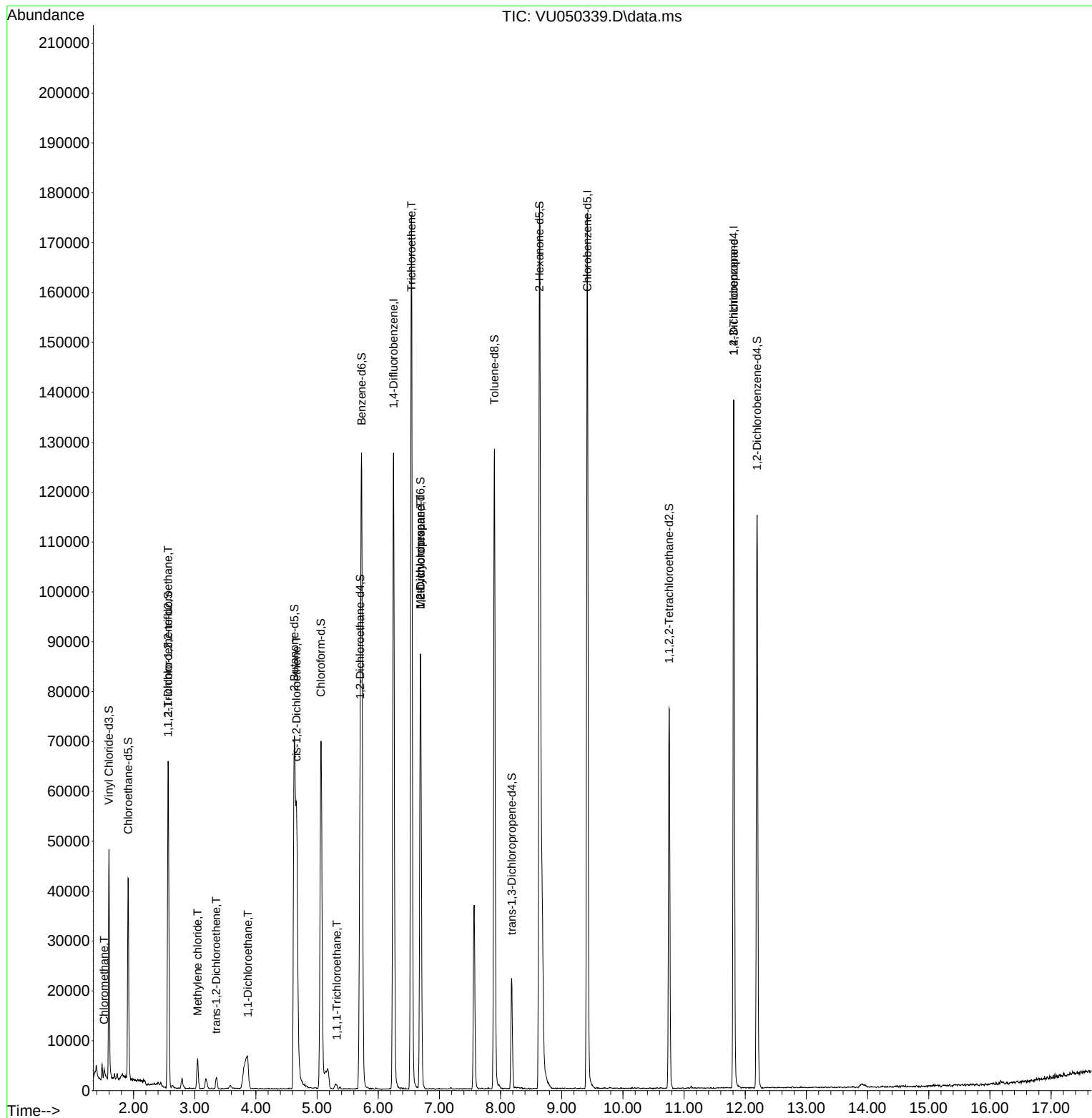
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	104630	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	101364	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	38652	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	32961	3.785	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	75.800%	
7) Chloroethane-d5	1.912	69	29672	4.224	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	84.400%	
11) 1,1-Dichloroethene-d2	2.565	65	12321	3.621	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	72.400%	
20) 2-Butanone-d5	4.629	46	108337	51.021	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	102.040%	
24) Chloroform-d	5.063	84	66721	4.120	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.400%	
26) 1,2-Dichloroethane-d4	5.703	65	36433	4.381	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.600%	
32) Benzene-d6	5.729	84	120761	3.818	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	76.400%	
36) 1,2-Dichloropropane-d6	6.690	67	44907	4.311	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	86.200%	
41) Toluene-d8	7.899	98	89707	3.211	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	64.200%#	
43) trans-1,3-Dichloroprop...	8.182	79	13314	3.567	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	71.400%	
46) 2-Hexanone-d5	8.636	63	55324	41.795	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	83.600%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	39302	4.297	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	86.000%	
66) 1,2-Dichlorobenzene-d4	12.195	152	31805	4.200	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	84.000%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	1930	0.154	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	275	0.040	ug/L #	22
16) Methylene chloride	3.044	84	2848	0.258	ug/L	92
18) trans-1,2-Dichloroethene	3.350	96	1090	0.135	ug/L	92
19) 1,1-Dichloroethane	3.870	63	2984	0.195	ug/L #	89
22) cis-1,2-Dichloroethene	4.665	96	21667	2.411	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	715	0.057	ug/L #	74
34) Trichloroethene	6.542	95	62347	7.259	ug/L	97
35) Methylcyclohexane	6.690	83	9521	0.859	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	4441	0.469	ug/L #	89
61) 1,2,3-Trichloropropane	11.812	75	4623	0.878	ug/L #	65

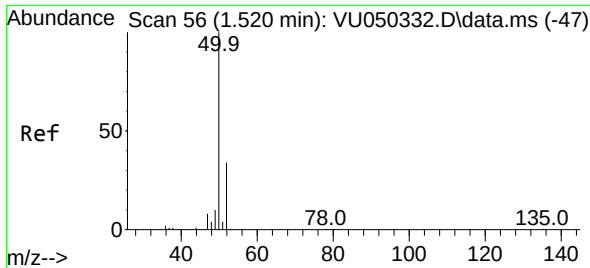
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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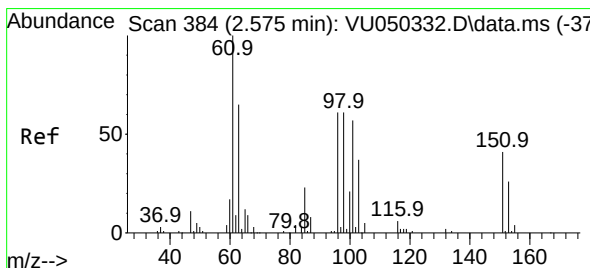
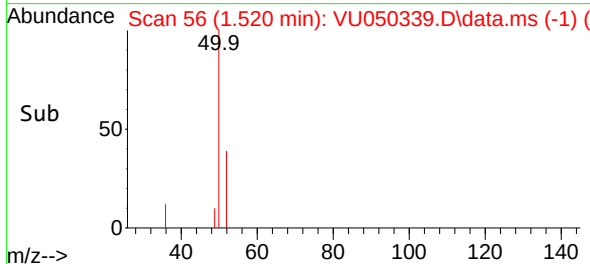
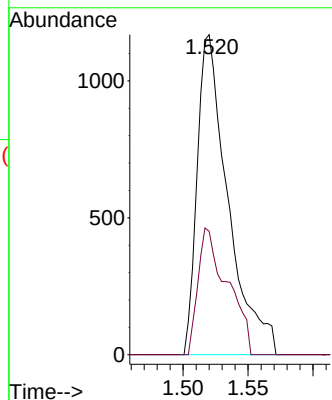
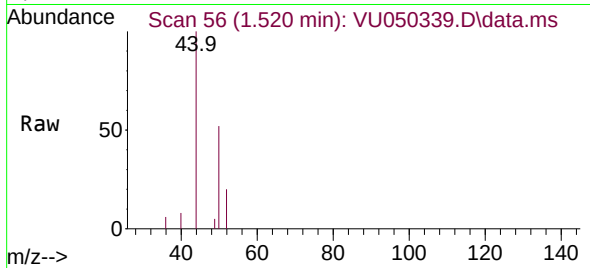




#3
Chloromethane
Concen: 0.154 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU050339.D
Acq: 15 Aug 2022 14:23

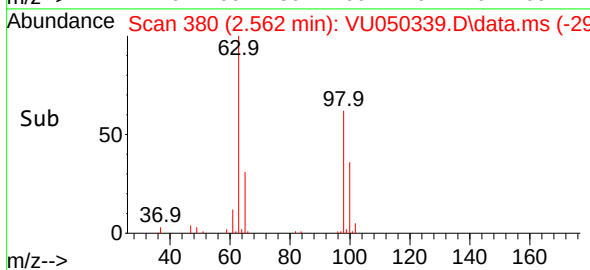
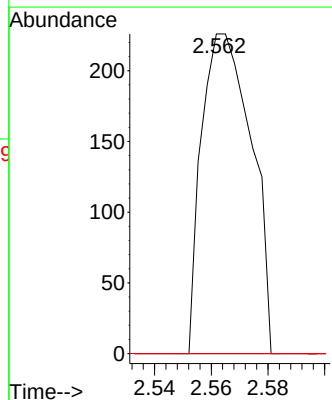
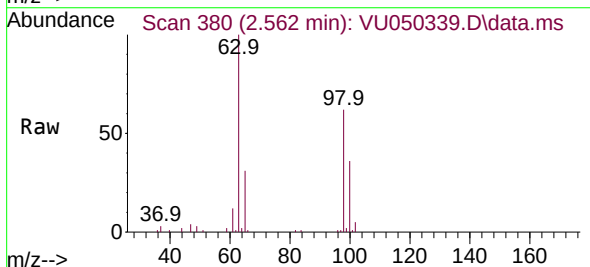
Instrument :
MSVOA_U
ClientSampleId :

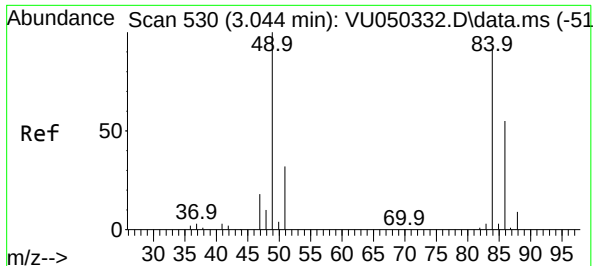
Tgt Ion: 50 Resp: 1930
Ion Ratio Lower Upper
50 100
52 38.6 23.2 43.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.040 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.013 min
Lab File: VU050339.D
Acq: 15 Aug 2022 14:23

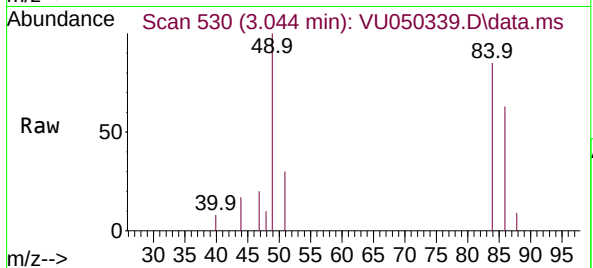
Tgt Ion: 101 Resp: 275
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 55.2 82.8#





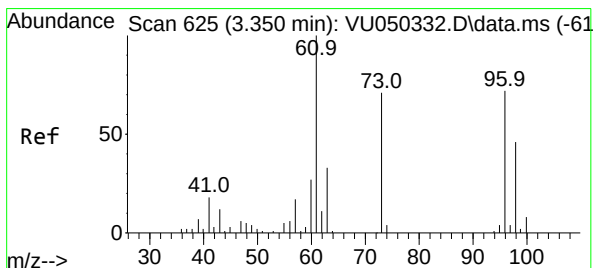
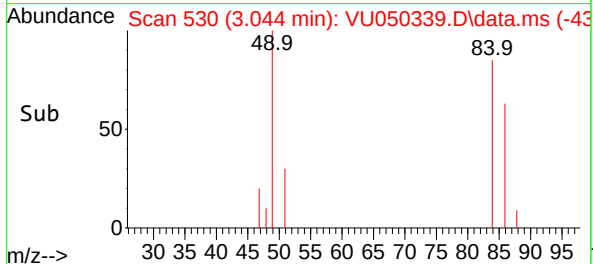
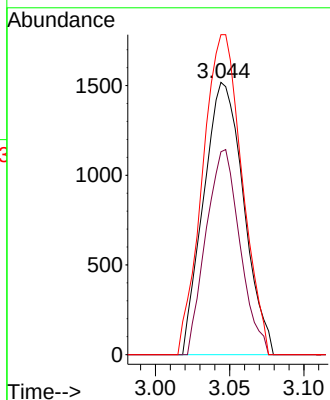
#16
Methylene chloride
Concen: 0.258 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU050339.D
Acq: 15 Aug 2022 14:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 2848

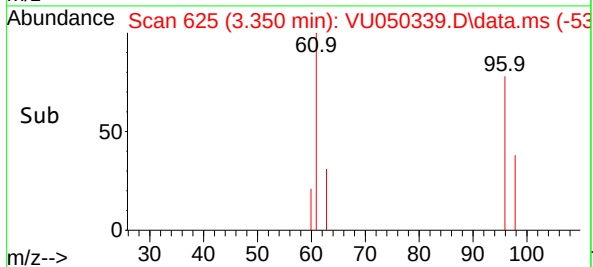
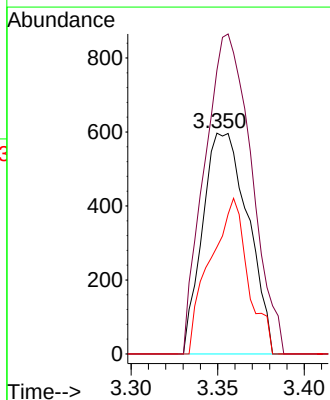
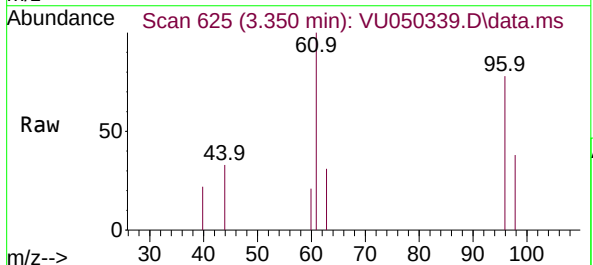
Ion	Ratio	Lower	Upper
84	100		
86	74.5	45.9	85.3
49	117.5	77.6	144.0

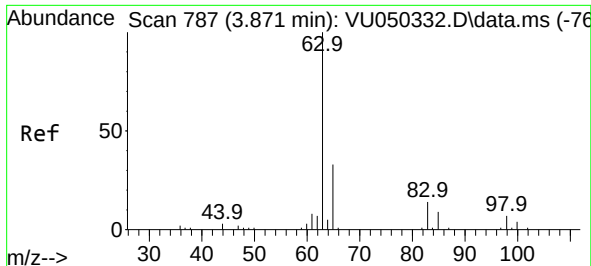


#18
trans-1,2-Dichloroethene
Concen: 0.135 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU050339.D
Acq: 15 Aug 2022 14:23

Tgt Ion: 96 Resp: 1090

Ion	Ratio	Lower	Upper
96	100		
61	128.5	92.3	171.5
98	48.4	43.2	80.2





#19

1,1-Dichloroethane

Concen: 0.195 ug/L

RT: 3.870 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU050339.D

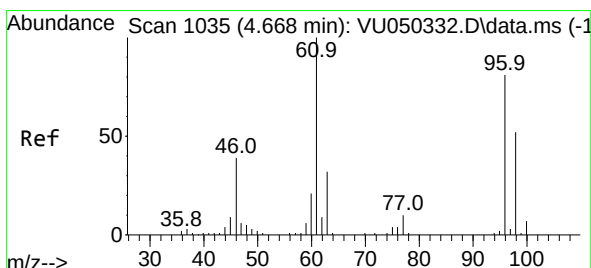
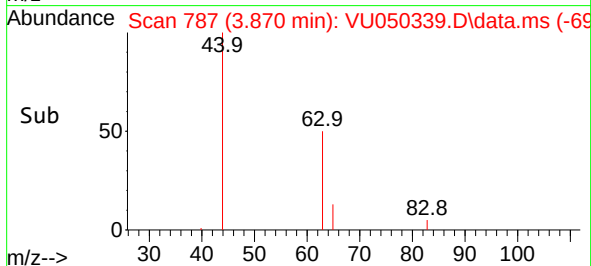
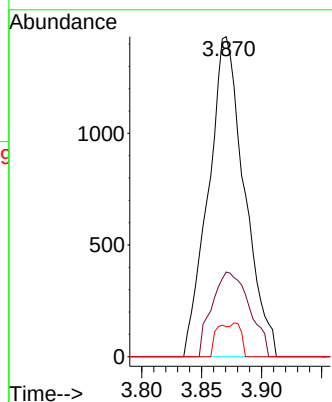
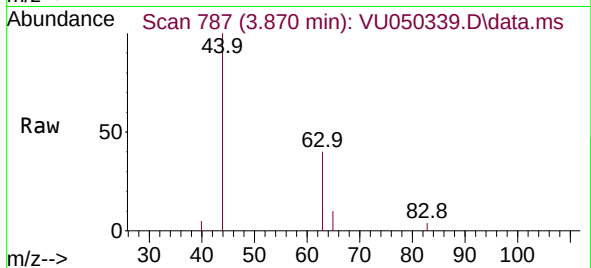
Acq: 15 Aug 2022 14:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 2984
Ion Ratio	Lower Upper
63	100
65	26.4 22.7 42.3
83	9.4 9.8 18.2#



#22

cis-1,2-Dichloroethene

Concen: 2.411 ug/L

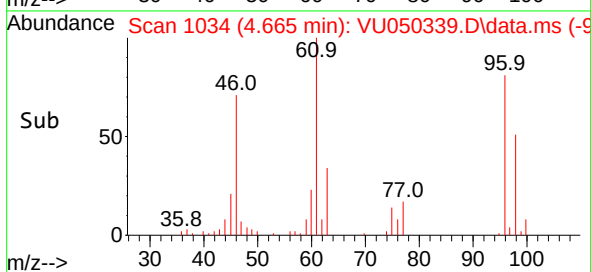
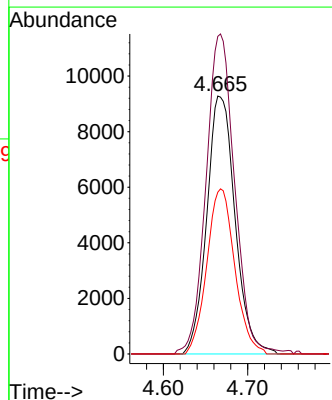
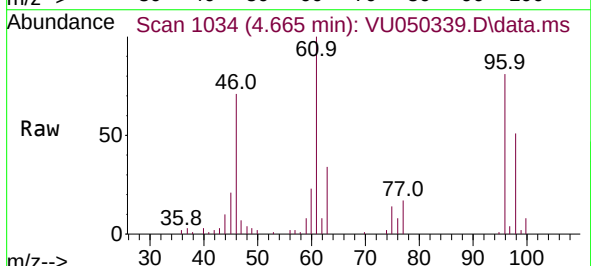
RT: 4.665 min Scan# 1034

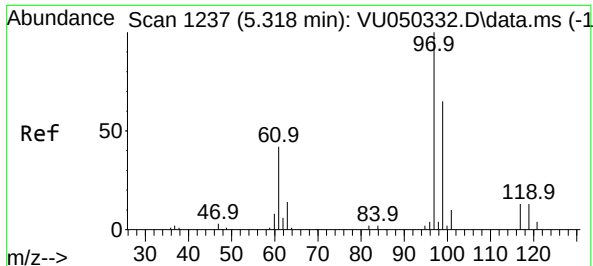
Delta R.T. -0.004 min

Lab File: VU050339.D

Acq: 15 Aug 2022 14:23

Tgt Ion: 96	Resp: 21667
Ion Ratio	Lower Upper
96	100
61	123.1 89.0 165.4
98	62.7 45.2 84.0





#29

1,1,1-Trichloroethane

Concen: 0.057 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050339.D

Acq: 15 Aug 2022 14:23

Instrument :

MSVOA_U

ClientSampleId :

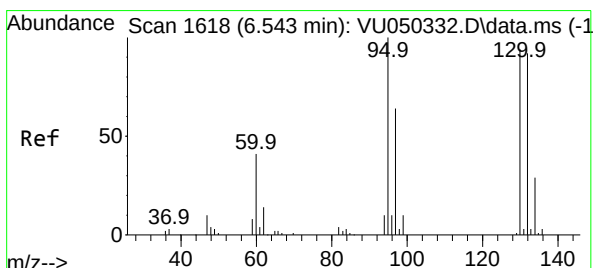
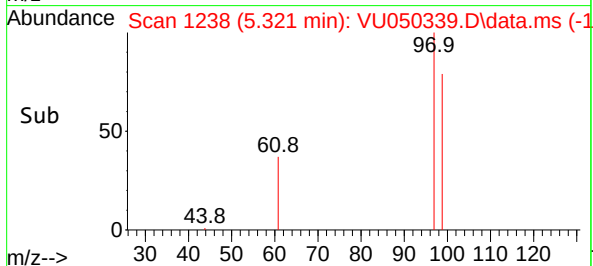
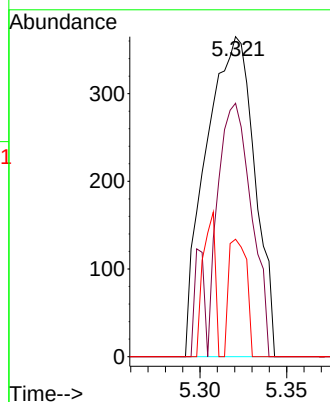
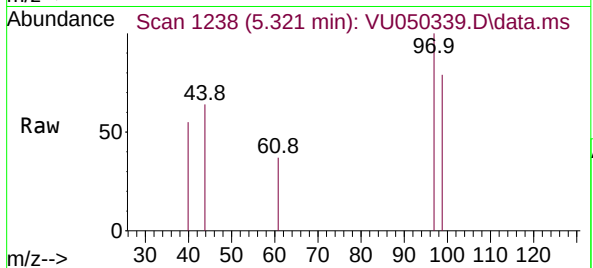
Tgt Ion: 97 Resp: 715

Ion Ratio Lower Upper

97 100

99 54.3 51.5 77.3

61 13.4 34.2 51.4#



#34

Trichloroethene

Concen: 7.259 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU050339.D

Acq: 15 Aug 2022 14:23

Tgt Ion: 95 Resp: 62347

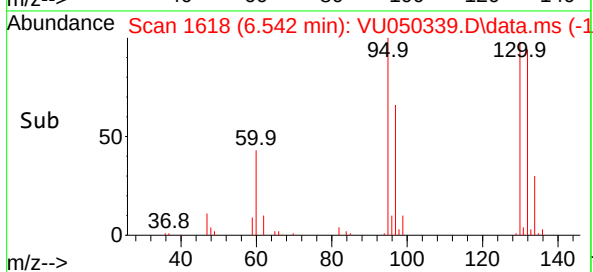
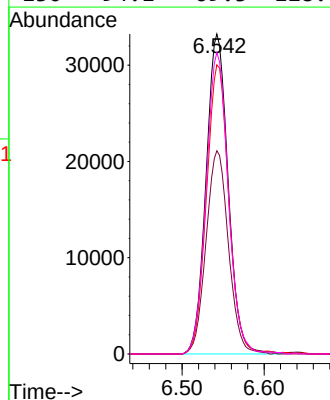
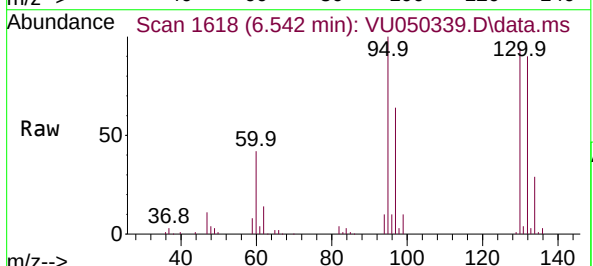
Ion Ratio Lower Upper

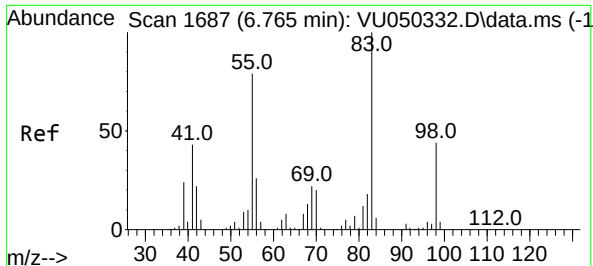
95 100

97 63.5 45.6 84.8

132 90.4 65.0 120.6

130 94.1 69.3 128.7





#35

Methylcyclohexane

Concen: 0.859 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.074 min

Lab File: VU050339.D

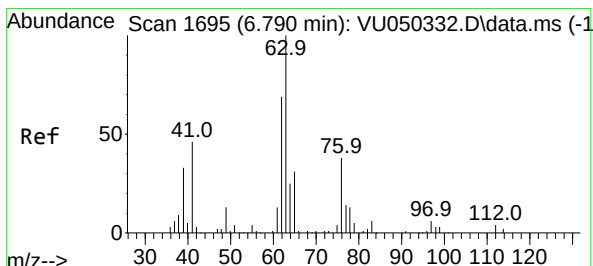
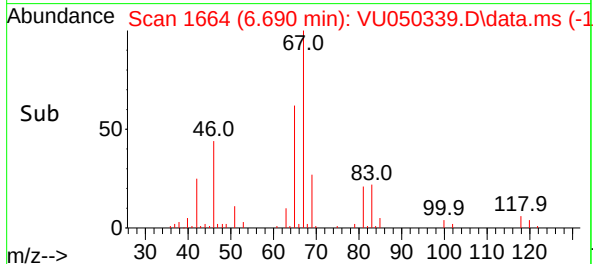
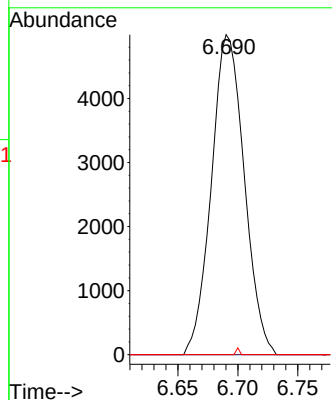
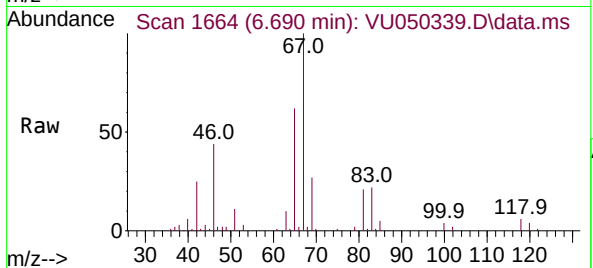
Acq: 15 Aug 2022 14:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	9521
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.7	94.1#
98	2.5	36.2	54.2#



#37

1,2-Dichloropropane

Concen: 0.469 ug/L

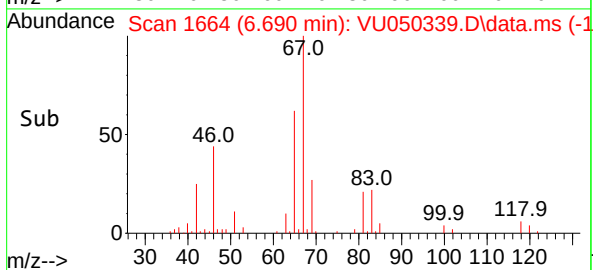
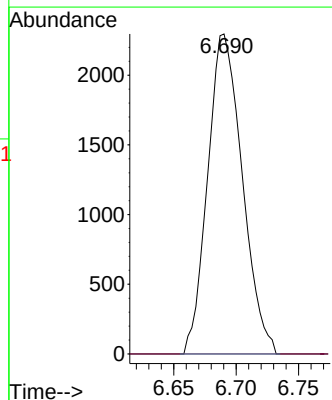
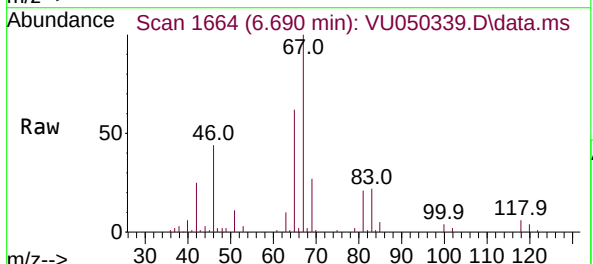
RT: 6.690 min Scan# 1664

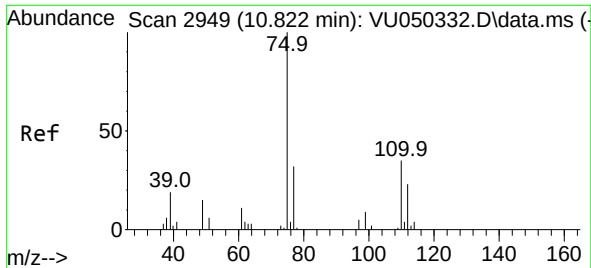
Delta R.T. -0.100 min

Lab File: VU050339.D

Acq: 15 Aug 2022 14:23

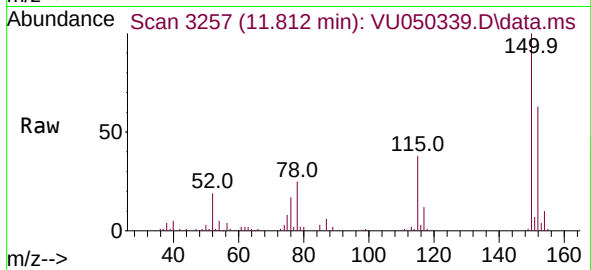
Tgt Ion:	63	Resp:	4441
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.4#





#61
 1,2,3-Trichloropropane
 Concen: 0.878 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU050339.D
 Acq: 15 Aug 2022 14:23

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 4623
 Ion Ratio Lower Upper
 75 100
 110 0.0 28.5 42.7#
 77 28.4 25.8 38.6

