

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045836.D
 Acq On : 17 Nov 2021 13:37
 Operator : SY/MD
 Sample : M4686-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 18 02:19:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

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

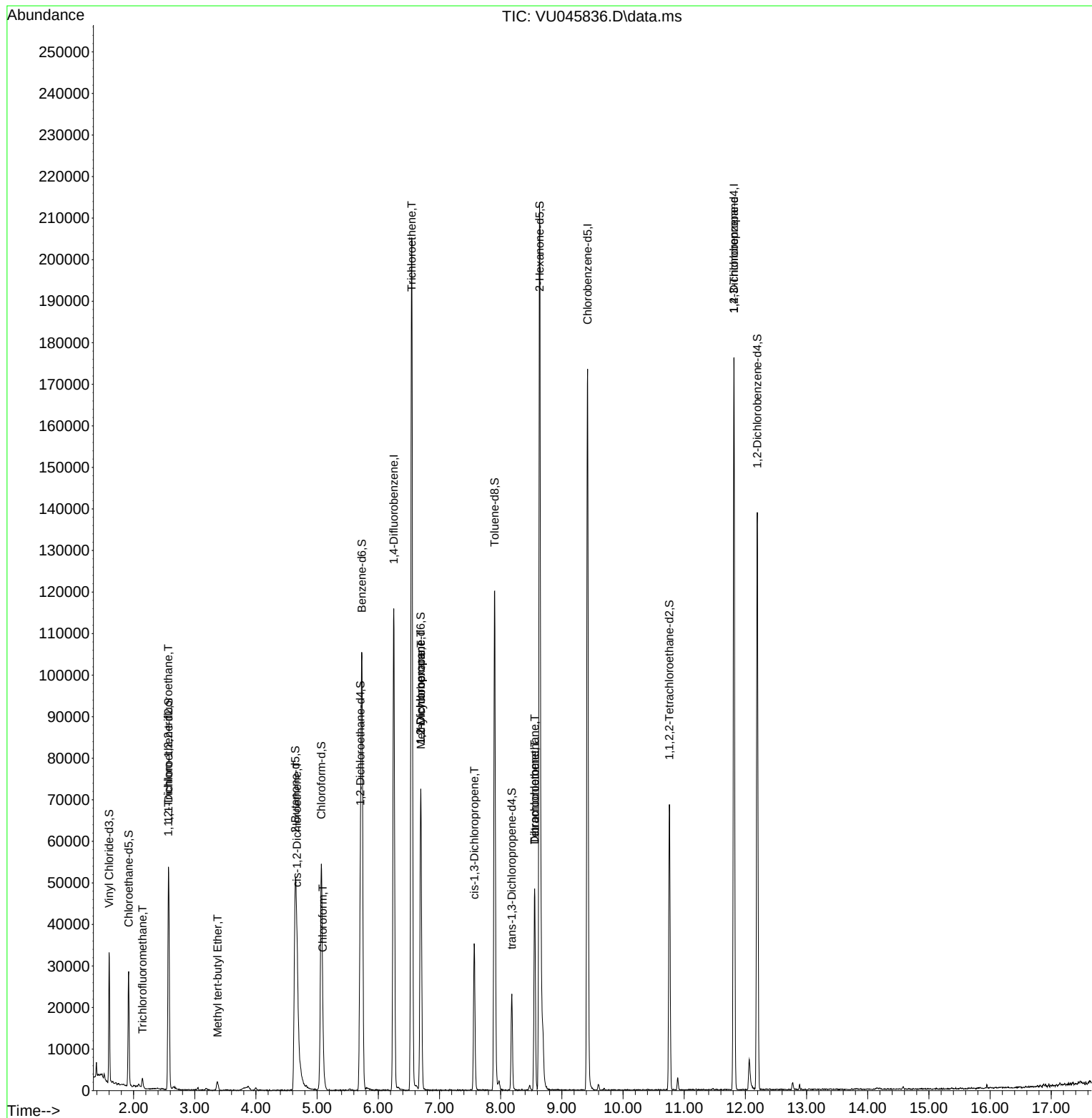
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	92696	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	97951	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44810	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	21222	2.890	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.800%
7) Chloroethane-d5	1.919	69	20118	3.763	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.200%
11) 1,1-Dichloroethene-d2	2.571	65	9807	3.184	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.600%
20) 2-Butanone-d5	4.645	46	112507	57.164	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.320%
24) Chloroform-d	5.070	84	48562	3.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
26) 1,2-Dichloroethane-d4	5.706	65	31879	4.440	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.732	84	98658	3.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.200%
36) 1,2-Dichloropropane-d6	6.694	67	33702	3.964	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.200%
41) Toluene-d8	7.902	98	82905	3.398	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.000%#
43) trans-1,3-Dichloroprop...	8.182	79	13323	3.860	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.636	63	75717	48.745	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.480%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33984	4.732	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	35763	4.648	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	1550	0.150	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	312	0.051	ug/L #	21
17) Methyl tert-butyl Ether	3.372	73	2345	0.157	ug/L #	93
22) cis-1,2-Dichloroethene	4.671	96	5618	0.842	ug/L	98
25) Chloroform	5.092	83	7587	0.607	ug/L	95
34) Trichloroethene	6.546	95	71123	10.096	ug/L	99
35) Methylcyclohexane	6.697	83	8134	0.752	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	3566	0.496	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	938	0.092	ug/L	86
47) Tetrachloroethene	8.555	164	10628	2.155	ug/L	96
49) Dibromochloromethane	8.555	129	10954	1.801	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6045	1.300	ug/L #	66

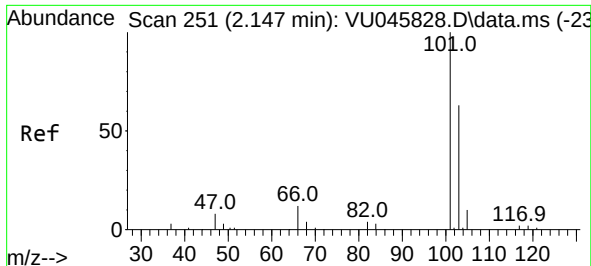
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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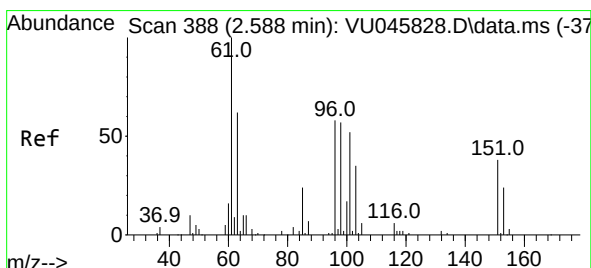
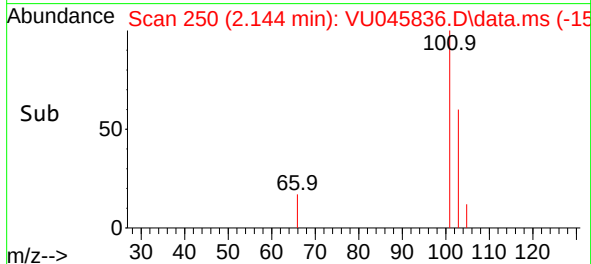
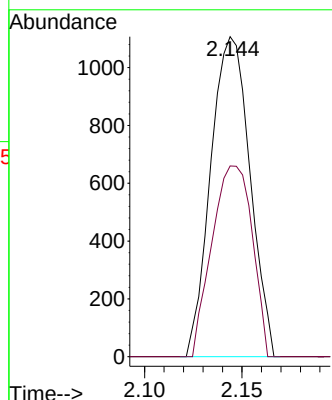
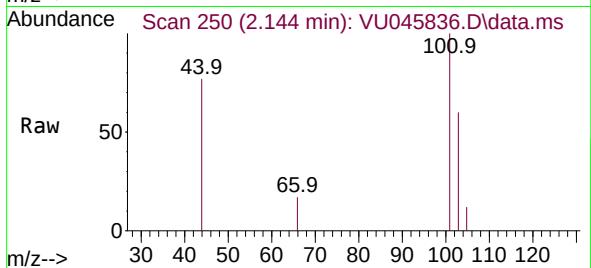




#9
Trichlorofluoromethane
Concen: 0.150 ug/L
RT: 2.144 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045836.D
Acq: 17 Nov 2021 13:37

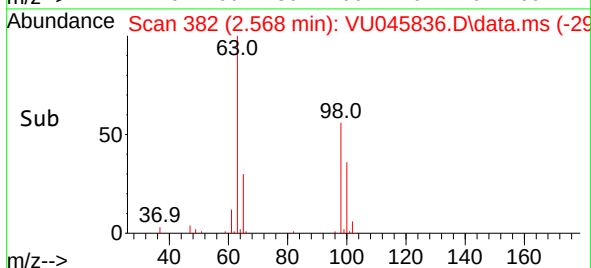
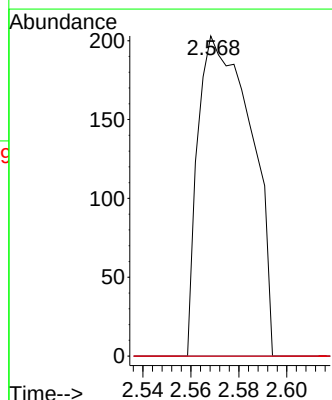
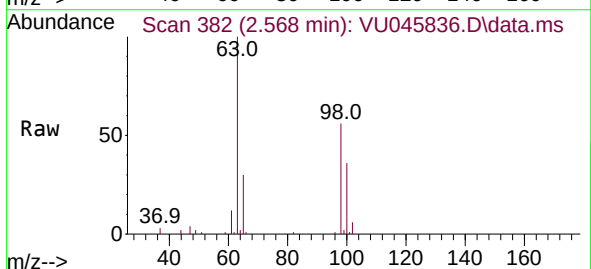
Instrument :
MSVOA_U
ClientSampleId :

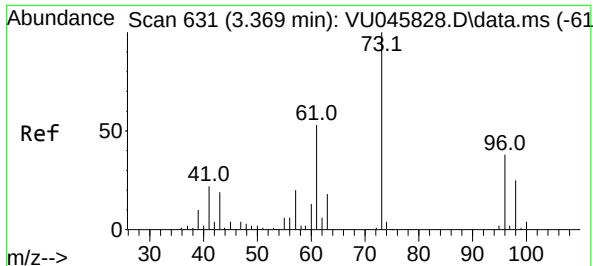
Tgt Ion:101 Resp: 1550
Ion Ratio Lower Upper
101 100
103 61.2 51.5 77.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.051 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU045836.D
Acq: 17 Nov 2021 13:37

Tgt Ion:101 Resp: 312
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#





#17

Methyl tert-butyl Ether

Concen: 0.157 ug/L

RT: 3.372 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU045836.D

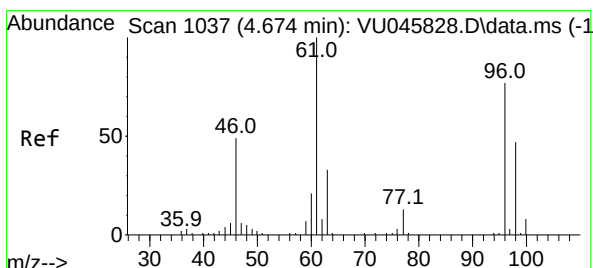
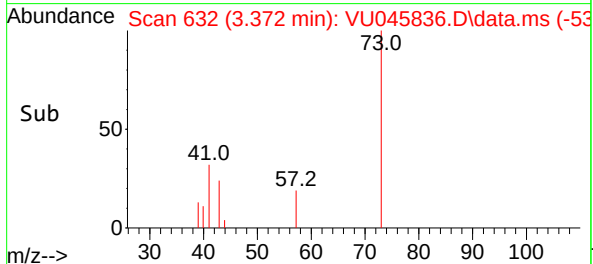
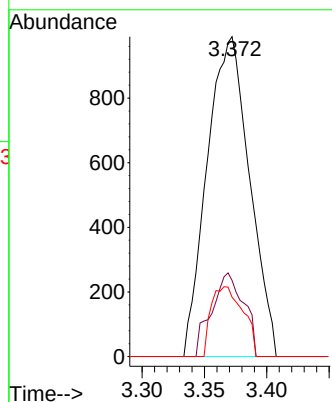
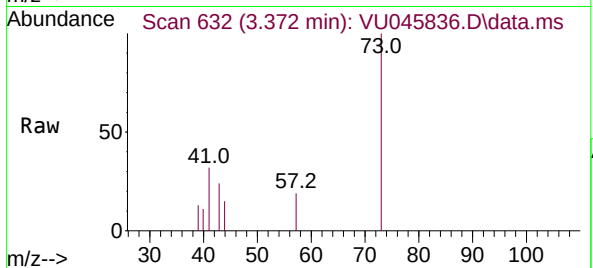
Acq: 17 Nov 2021 13:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73	Resp:	2345
Ion Ratio	Lower	Upper
73	100	
43	19.8	14.8 22.2
57	16.3	17.4 26.0



#22

cis-1,2-Dichloroethene

Concen: 0.842 ug/L

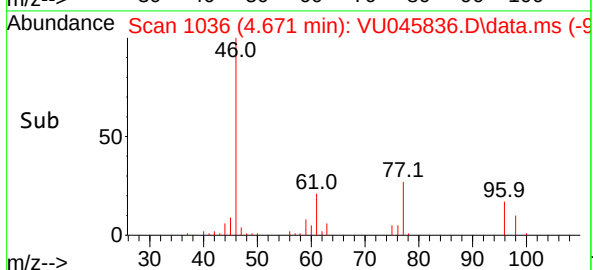
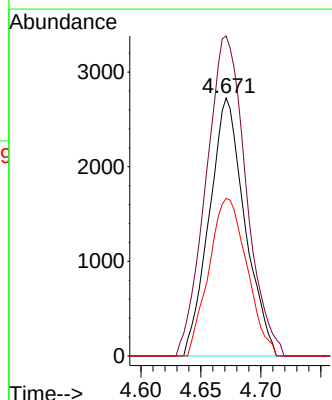
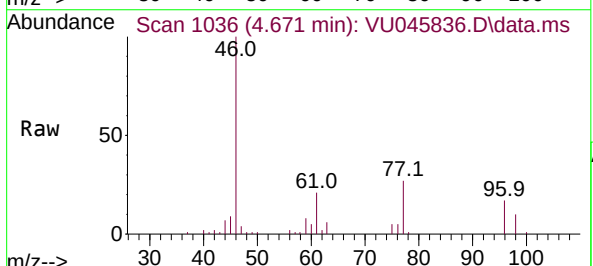
RT: 4.671 min Scan# 1036

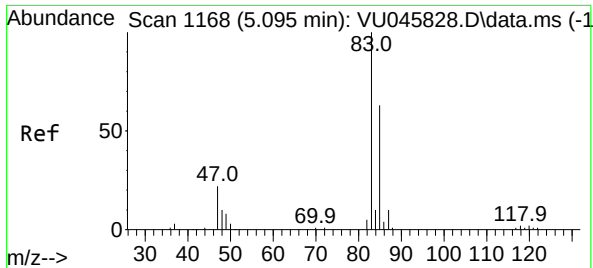
Delta R.T. -0.003 min

Lab File: VU045836.D

Acq: 17 Nov 2021 13:37

Tgt Ion: 96	Resp:	5618
Ion Ratio	Lower	Upper
96	100	
61	124.1	88.5 164.3
98	61.1	44.4 82.5

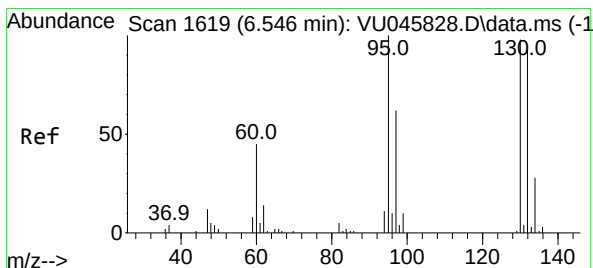
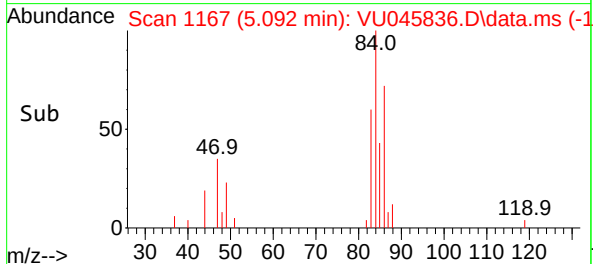
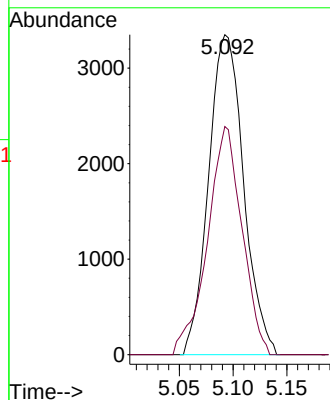
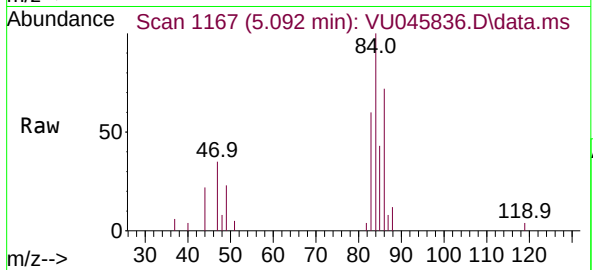




#25
Chloroform
Concen: 0.607 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU045836.D
Acq: 17 Nov 2021 13:37

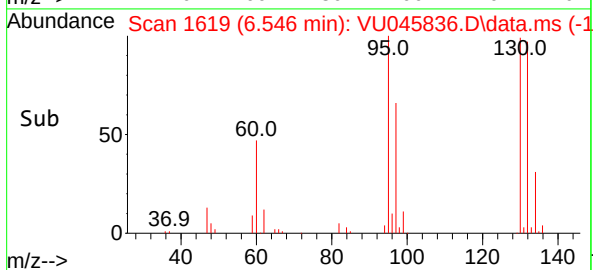
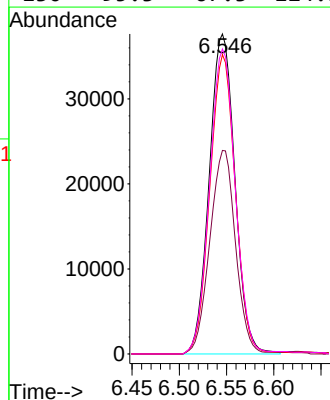
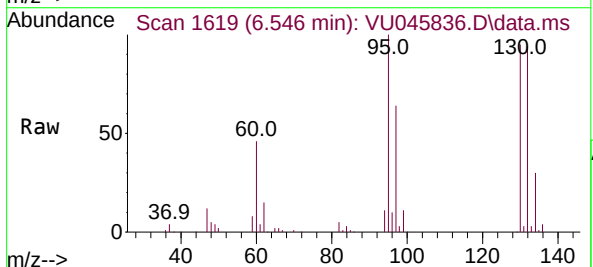
Instrument :
MSVOA_U
ClientSampleId :

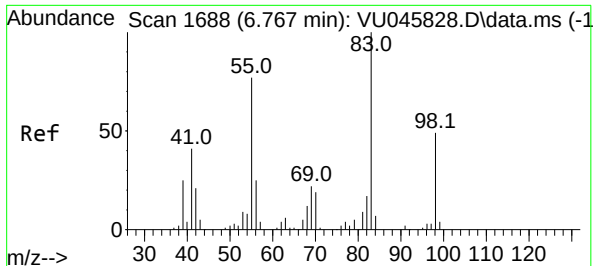
Tgt Ion: 83 Resp: 7587
Ion Ratio Lower Upper
83 100
85 71.3 46.9 87.1



#34
Trichloroethene
Concen: 10.096 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045836.D
Acq: 17 Nov 2021 13:37

Tgt Ion: 95 Resp: 71123
Ion Ratio Lower Upper
95 100
97 63.6 46.5 86.5
132 93.5 65.1 120.9
130 95.3 67.3 124.9

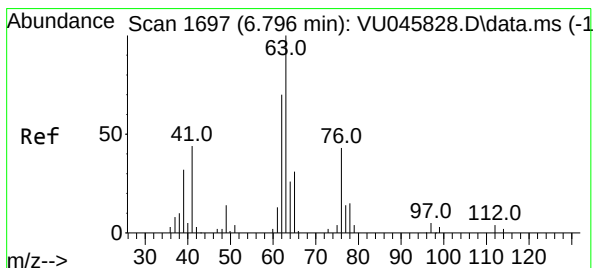
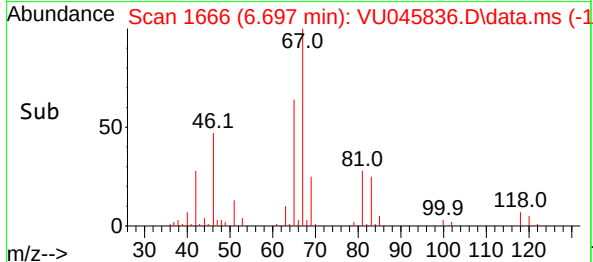
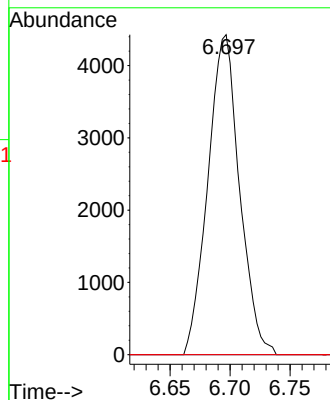
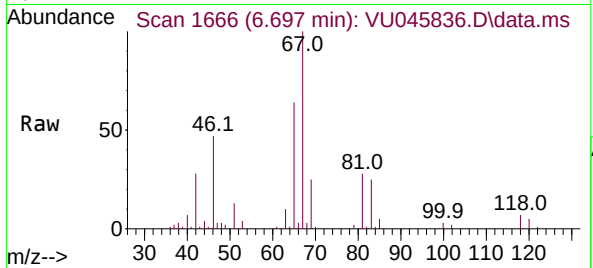




#35
Methylcyclohexane
Concen: 0.752 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU045836.D
Acq: 17 Nov 2021 13:37

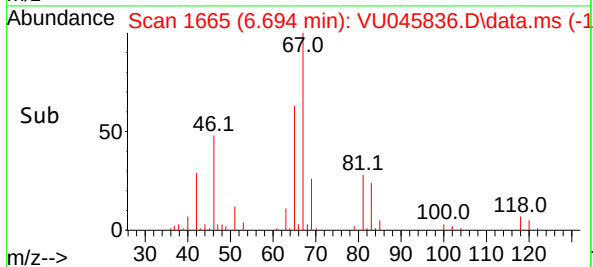
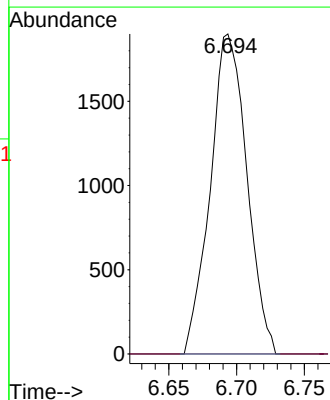
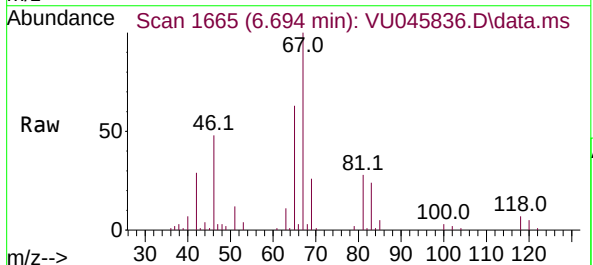
Instrument :
MSVOA_U
ClientSampleId :

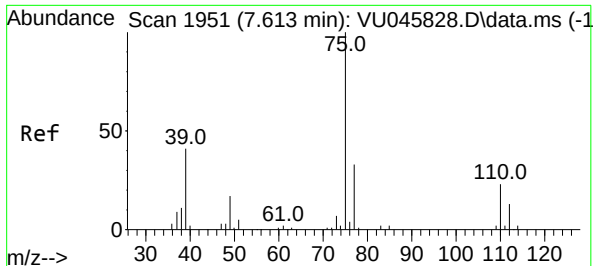
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.9	92.9#
98	0.0	39.0	58.6#



#37
1,2-Dichloropropane
Concen: 0.496 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045836.D
Acq: 17 Nov 2021 13:37

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.568 min Scan# 1951

Delta R.T. -0.045 min

Lab File: VU045836.D

Acq: 17 Nov 2021 13:37

Instrument :

MSVOA_U

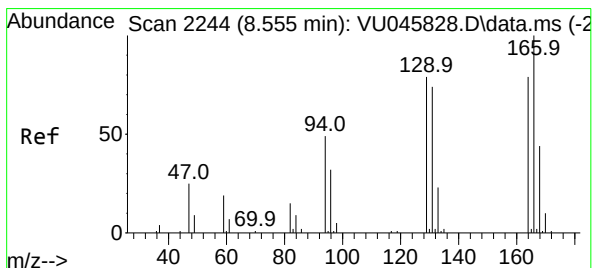
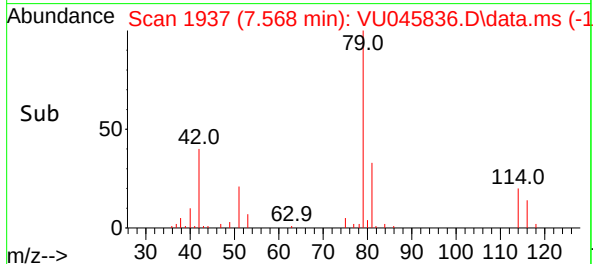
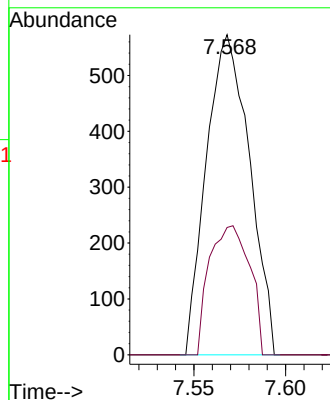
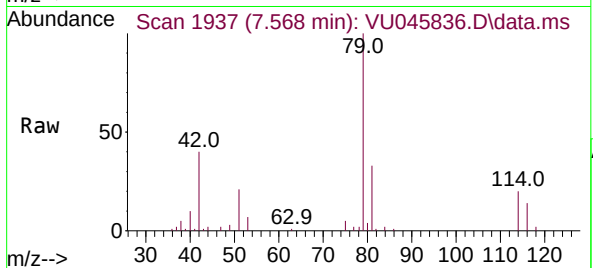
ClientSampleId :

Tgt Ion: 75 Resp: 938

Ion Ratio Lower Upper

75 100

77 39.8 22.5 41.9



#47

Tetrachloroethene

Concen: 2.155 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045836.D

Acq: 17 Nov 2021 13:37

Tgt Ion: 164 Resp: 10628

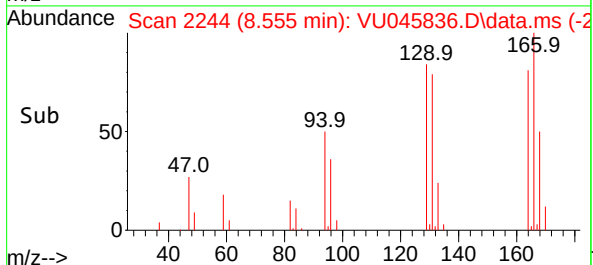
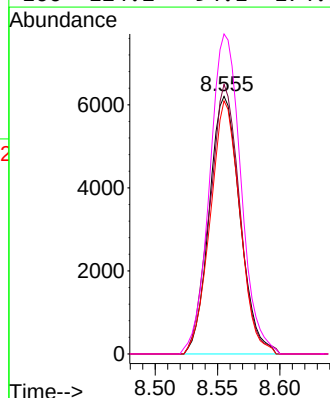
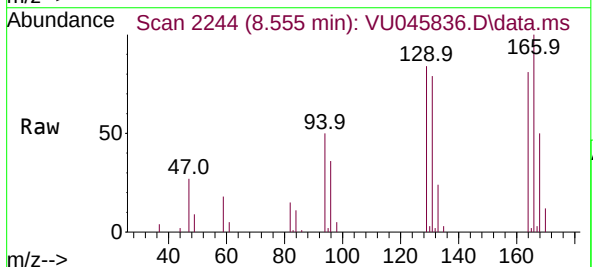
Ion Ratio Lower Upper

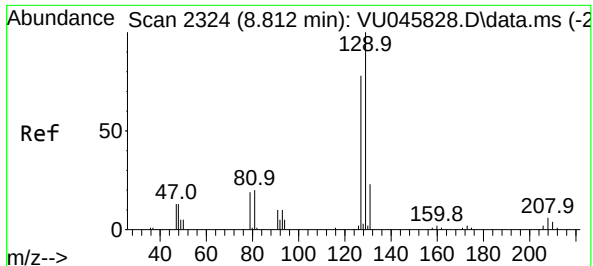
164 100

129 104.7 71.8 133.4

131 98.2 68.5 127.3

166 124.2 94.1 174.8





#49

Dibromochloromethane

Concen: 1.801 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU045836.D

Acq: 17 Nov 2021 13:37

Instrument :

MSVOA_U

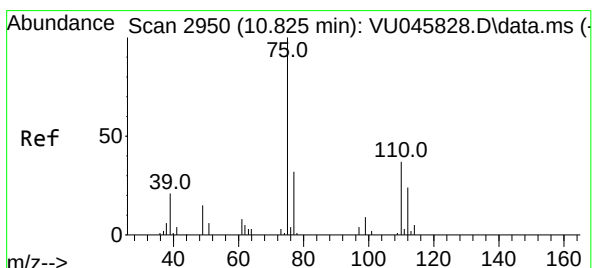
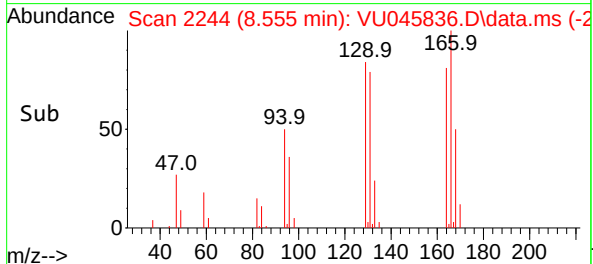
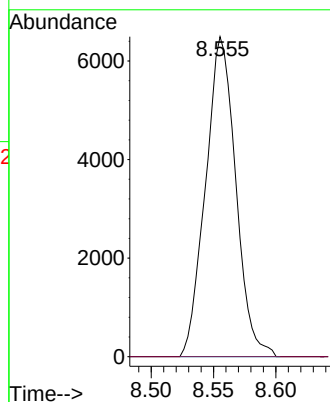
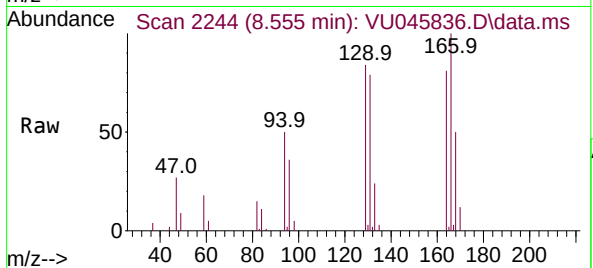
ClientSampleId :

Tgt Ion:129 Resp: 10954

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.300 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU045836.D

Acq: 17 Nov 2021 13:37

Tgt Ion: 75 Resp: 6045

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 31.0 25.5 38.3

