

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112224\
 Data File : VU061989.D
 Acq On : 22 Nov 2024 23:00
 Operator : MD/SY
 Sample : P4903-12
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:16:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 23 00:14:12 2024
 Response via : Initial Calibration

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

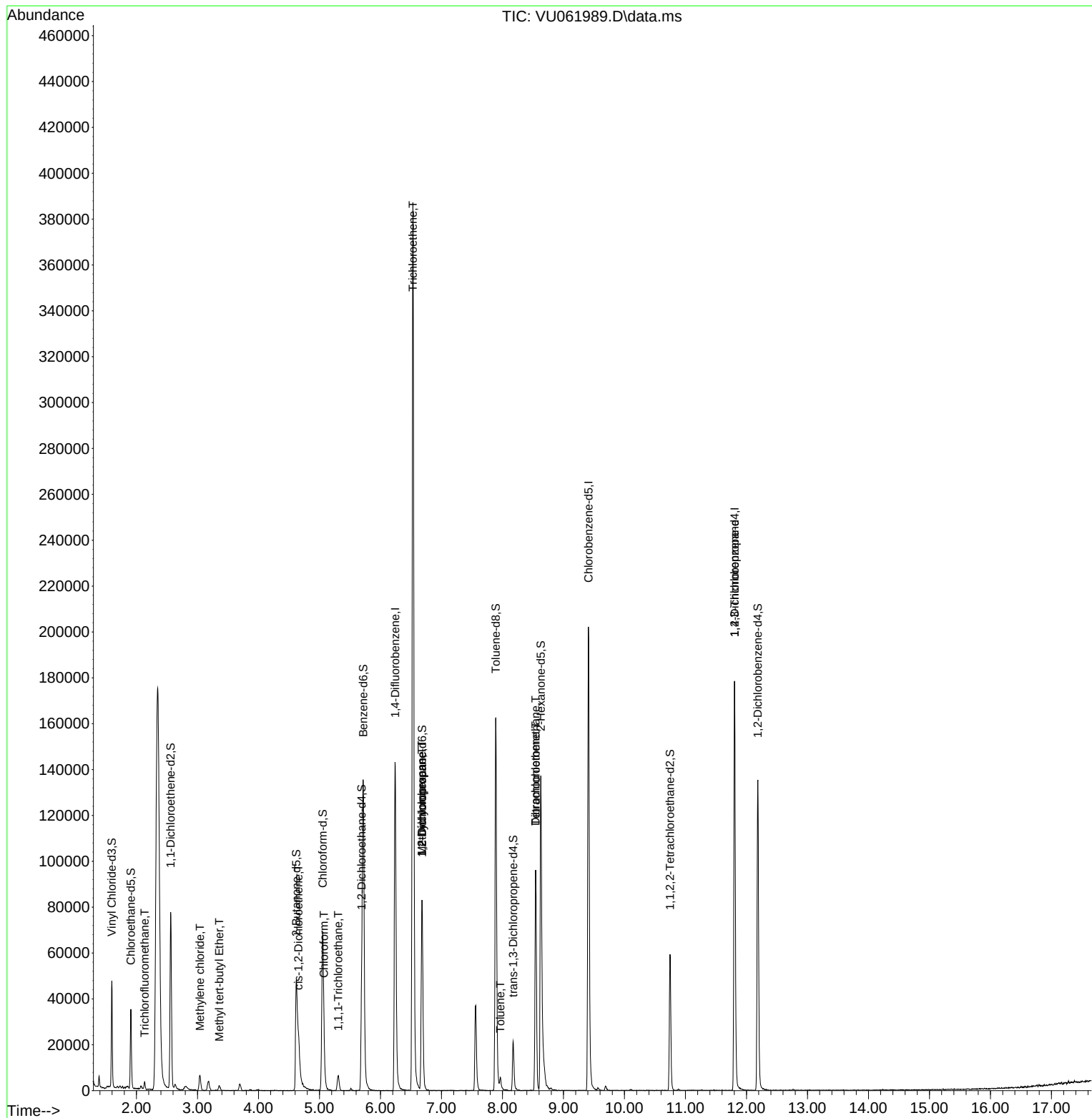
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	122392	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	117898	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	51738	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	32483	5.411	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.200%
7) Chloroethane-d5	1.908	69	25568	4.814	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.560	65	14680	6.120	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	122.400%
20) 2-Butanone-d5	4.618	46	68000	36.070	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.140%
24) Chloroform-d	5.052	84	68803	4.698	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.692	65	35460	4.704	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.718	84	132881	5.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.600%
36) 1,2-Dichloropropane-d6	6.682	67	41236	5.283	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.891	98	116355	6.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.400%
43) trans-1,3-Dichloroprop...	8.174	79	14348	4.965	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.627	63	47483	36.002	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.000%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	30825	3.952	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	39216	5.126	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.133	101	2009	0.140	ug/L	87
16) Methylene chloride	3.039	84	3769	0.382	ug/L	89
17) Methyl tert-butyl Ether	3.358	73	2436	0.116	ug/L #	88
22) cis-1,2-Dichloroethene	4.657	96	6355	0.651	ug/L	99
25) Chloroform	5.075	83	5225	0.296	ug/L	93
29) 1,1,1-Trichloroethane	5.309	97	5378	0.396	ug/L #	83
34) Trichloroethene	6.531	95	140051	14.738	ug/L	97
35) Methylcyclohexane	6.679	83	9964	0.685	ug/L #	21
37) 1,2-Dichloropropane	6.679	63	4382	0.474	ug/L #	87
42) Toluene	7.965	91	4148	0.111	ug/L	94
47) Tetrachloroethene	8.544	164	21895	3.168	ug/L	94
49) Dibromochloromethane	8.544	129	21829	3.032	ug/L #	13
61) 1,2,3-Trichloropropane	11.804	75	5383	0.900	ug/L #	68

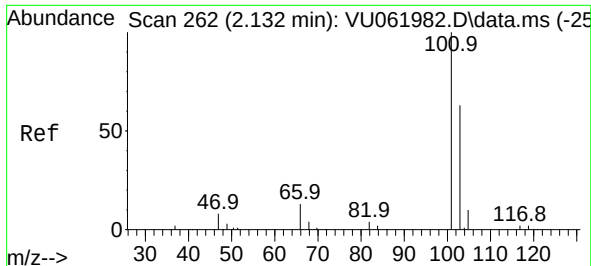
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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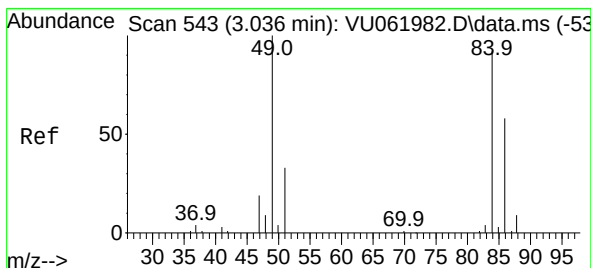
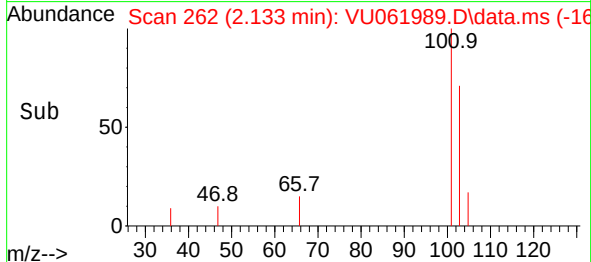
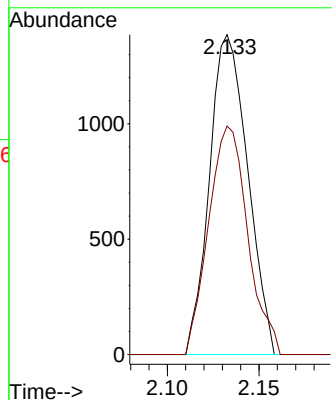
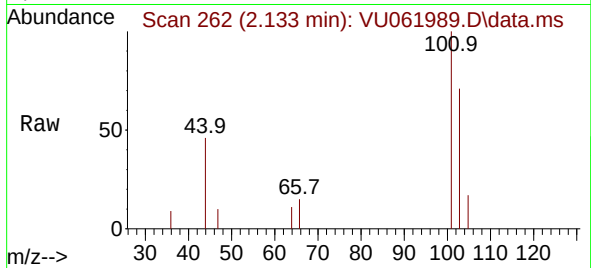




#9
 Trichlorofluoromethane
 Concen: 0.140 ug/L
 RT: 2.133 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VU061989.D
 Acq: 22 Nov 2024 23:00

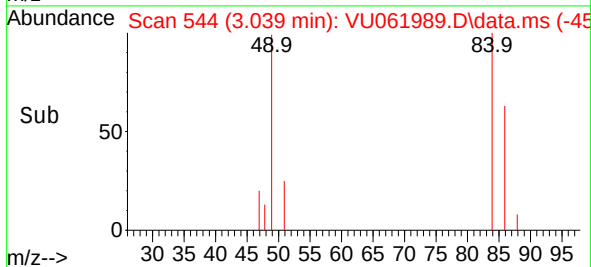
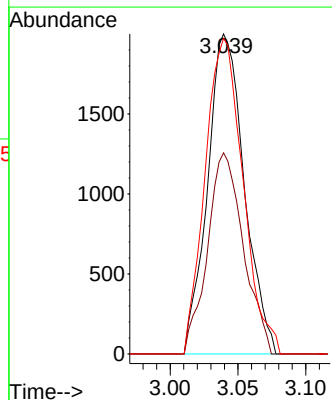
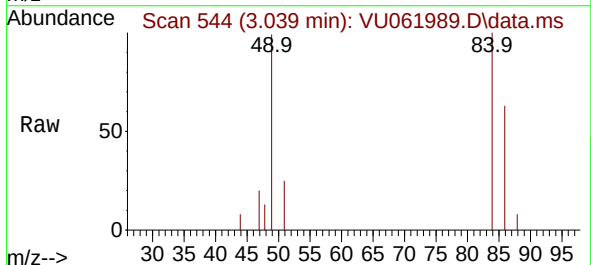
Instrument :
 MSVOA_U
 ClientSampleId :

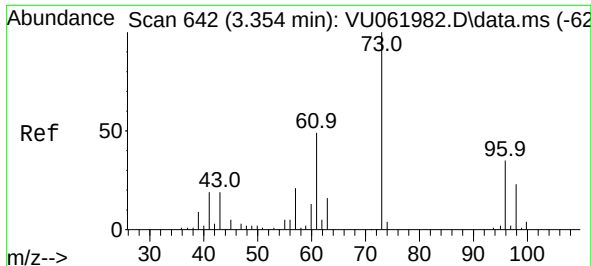
Tgt Ion:101 Resp: 2009
 Ion Ratio Lower Upper
 101 100
 103 73.2 50.6 75.8



#16
 Methylene chloride
 Concen: 0.382 ug/L
 RT: 3.039 min Scan# 544
 Delta R.T. 0.003 min
 Lab File: VU061989.D
 Acq: 22 Nov 2024 23:00

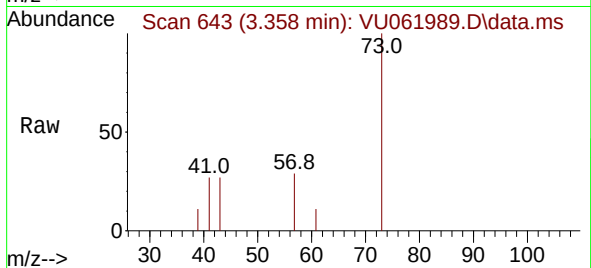
Tgt Ion: 84 Resp: 3769
 Ion Ratio Lower Upper
 84 100
 86 62.8 43.5 80.7
 49 98.6 81.9 152.1



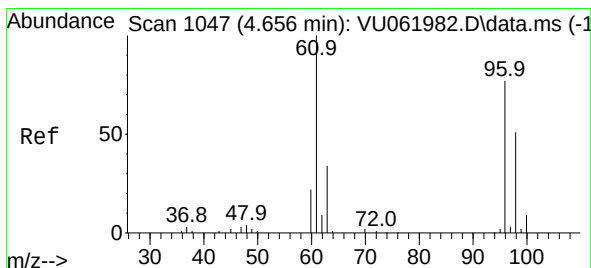
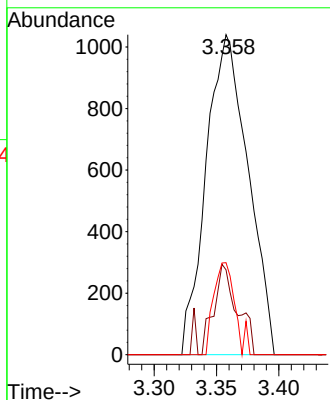
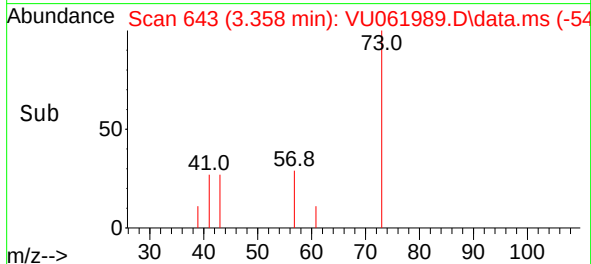


#17
Methyl tert-butyl Ether
Concen: 0.116 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU061989.D
Acq: 22 Nov 2024 23:00

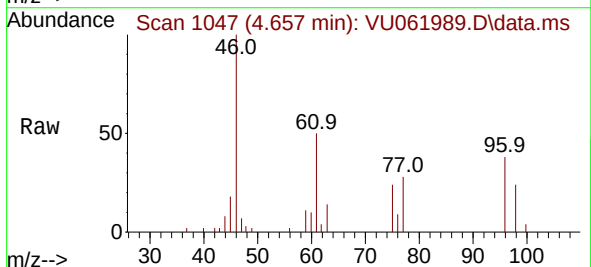
Instrument :
MSVOA_U
ClientSampleId :



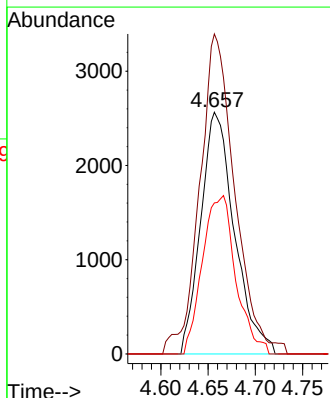
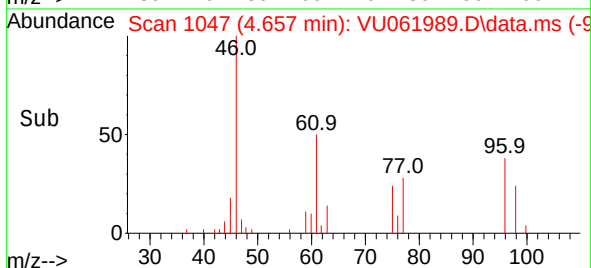
Tgt Ion: 73 Resp: 2436
Ion Ratio Lower Upper
73 100
43 15.9 16.3 24.5#
57 14.5 17.1 25.7#

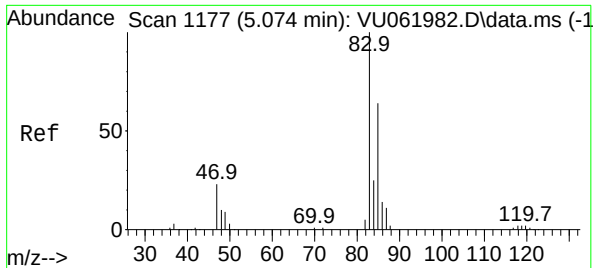


#22
cis-1,2-Dichloroethene
Concen: 0.651 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU061989.D
Acq: 22 Nov 2024 23:00



Tgt Ion: 96 Resp: 6355
Ion Ratio Lower Upper
96 100
61 132.4 92.0 170.8
98 62.5 44.5 82.7





#25

Chloroform

Concen: 0.296 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU061989.D

Acq: 22 Nov 2024 23:00

Instrument :

MSVOA_U

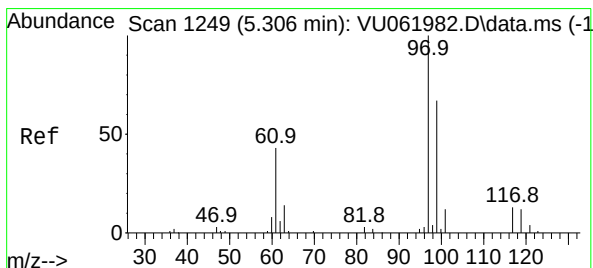
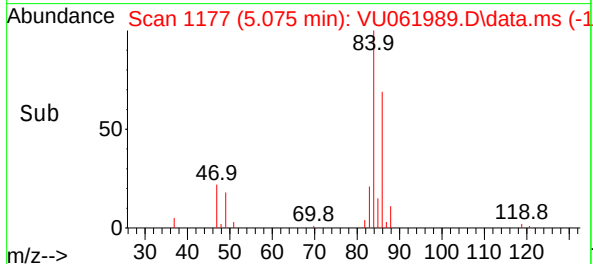
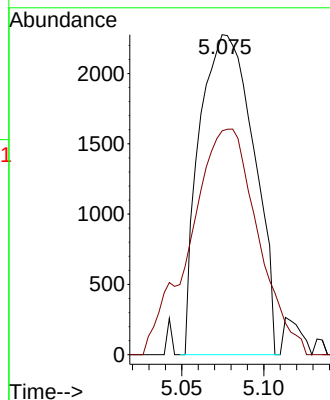
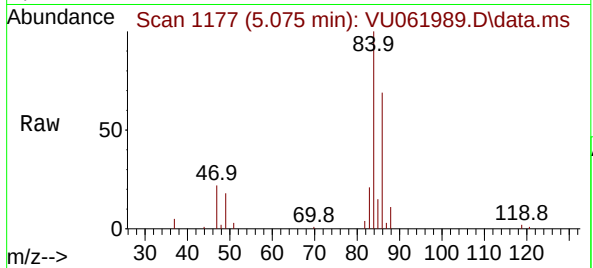
ClientSampleId :

Tgt Ion: 83 Resp: 5225

Ion Ratio Lower Upper

83 100

85 69.9 45.4 84.2



#29

1,1,1-Trichloroethane

Concen: 0.396 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.003 min

Lab File: VU061989.D

Acq: 22 Nov 2024 23:00

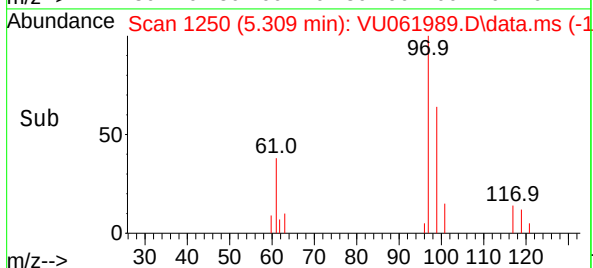
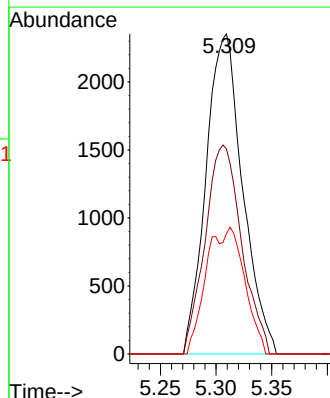
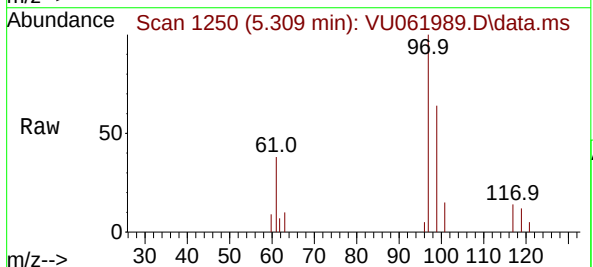
Tgt Ion: 97 Resp: 5378

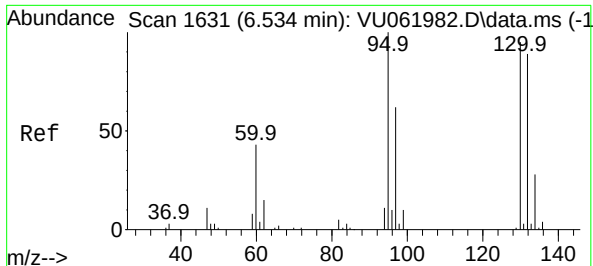
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

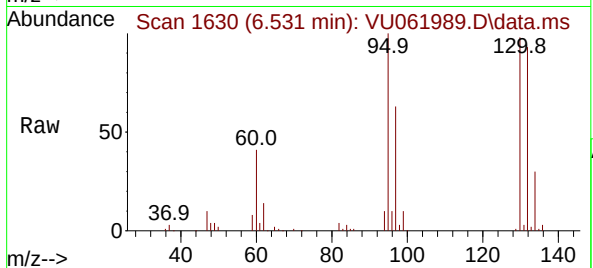
61 21.5 37.8 56.6#



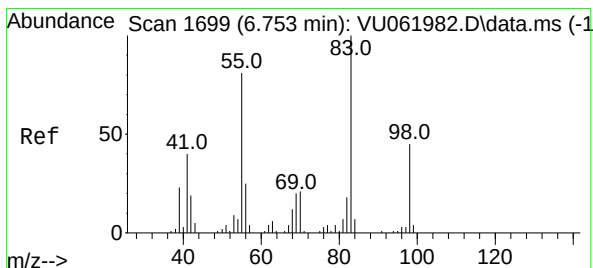
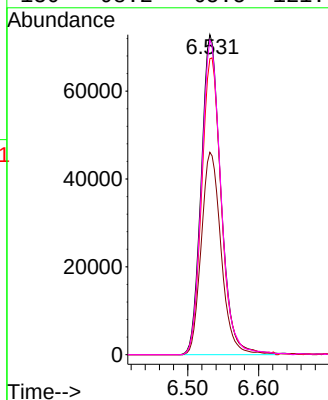
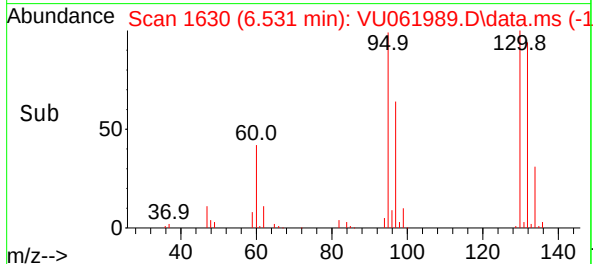


#34
Trichloroethene
Concen: 14.738 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU061989.D
Acq: 22 Nov 2024 23:00

Instrument :
MSVOA_U
ClientSampleId :

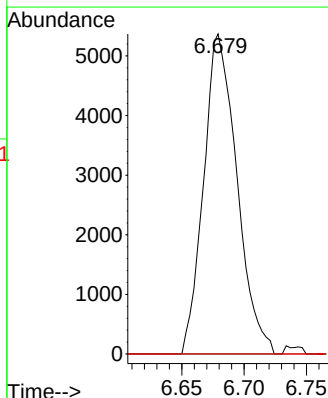
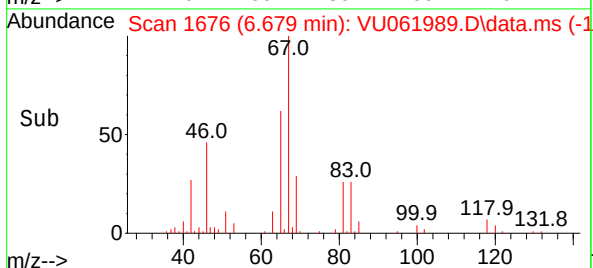
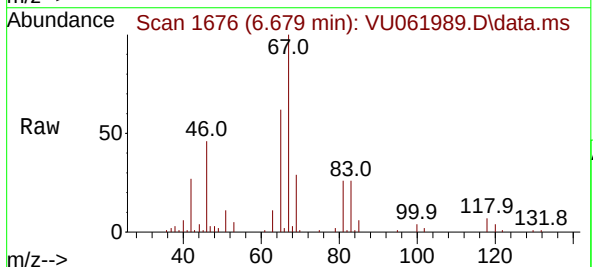


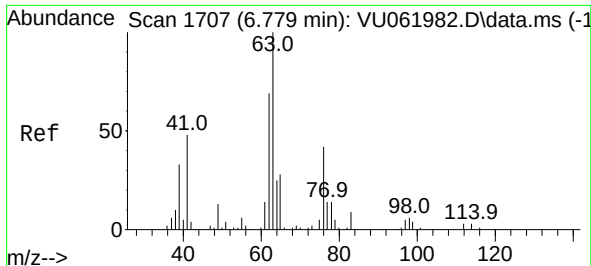
Tgt Ion: 95 Resp: 140051
Ion Ratio Lower Upper
95 100
97 63.2 45.9 85.3
132 92.5 63.8 118.4
130 98.2 65.5 121.7



#35
Methylcyclohexane
Concen: 0.685 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.074 min
Lab File: VU061989.D
Acq: 22 Nov 2024 23:00

Tgt Ion: 83 Resp: 9964
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 3.2 34.8 52.2#

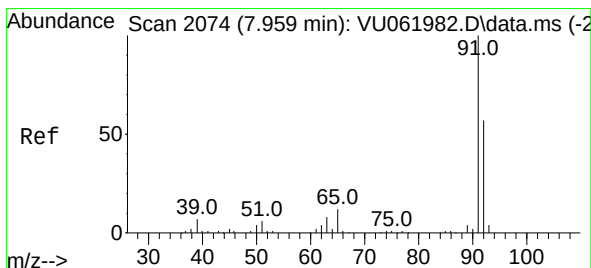
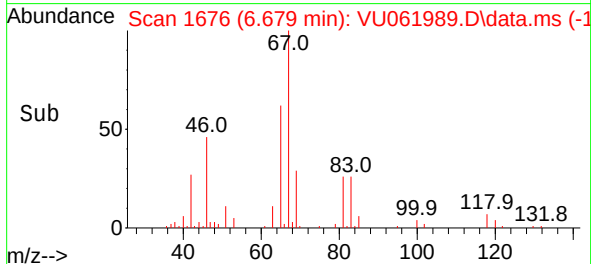
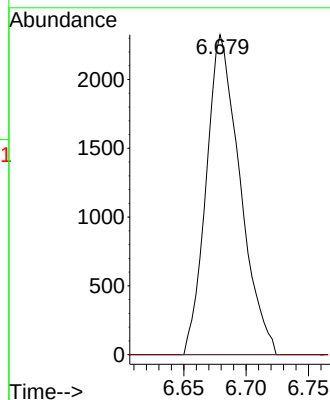
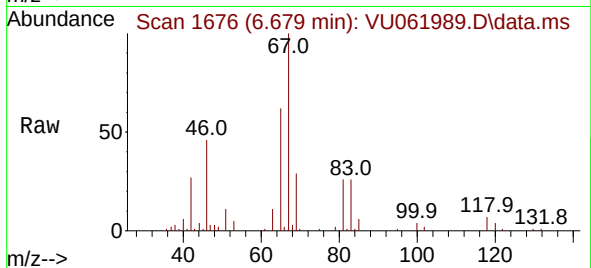




#37
1,2-Dichloropropane
Concen: 0.474 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061989.D
Acq: 22 Nov 2024 23:00

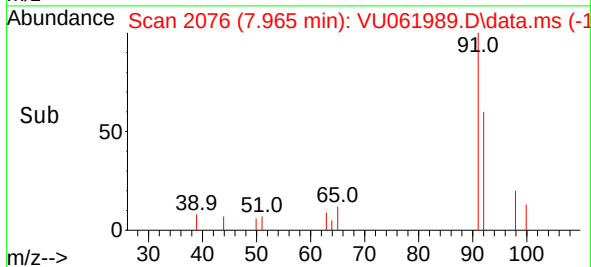
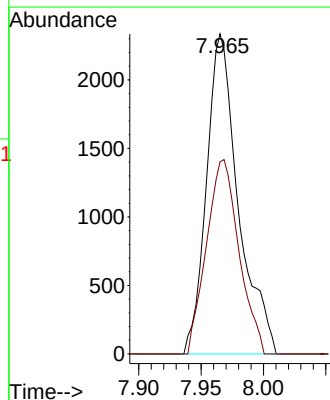
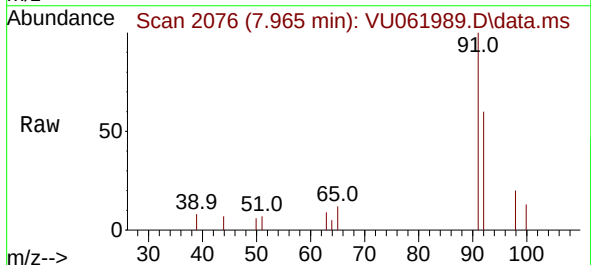
Instrument :
MSVOA_U
ClientSampleId :

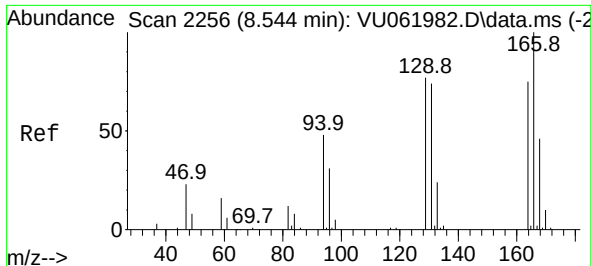
Tgt Ion: 63 Resp: 4382
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#42
Toluene
Concen: 0.111 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.007 min
Lab File: VU061989.D
Acq: 22 Nov 2024 23:00

Tgt Ion: 91 Resp: 4148
Ion Ratio Lower Upper
91 100
92 60.0 39.0 72.4





#47

Tetrachloroethene

Concen: 3.168 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061989.D

Acq: 22 Nov 2024 23:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 21895

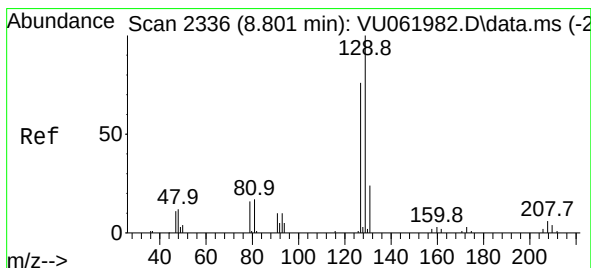
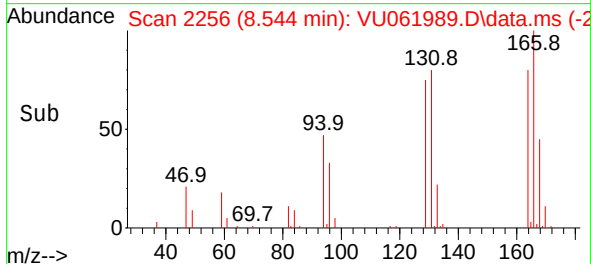
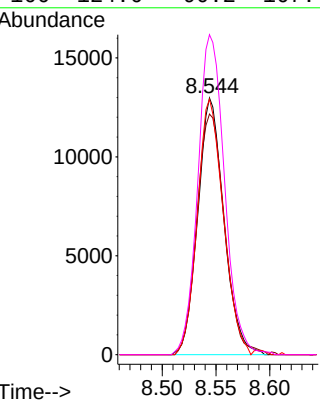
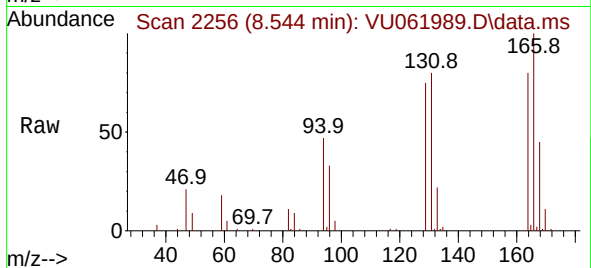
Ion Ratio Lower Upper

164 100

129 93.7 73.2 136.0

131 99.5 72.3 134.3

166 124.6 90.2 167.4



#49

Dibromochloromethane

Concen: 3.032 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.257 min

Lab File: VU061989.D

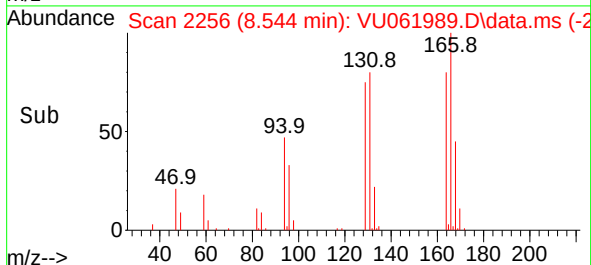
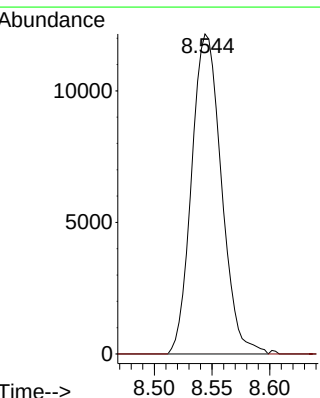
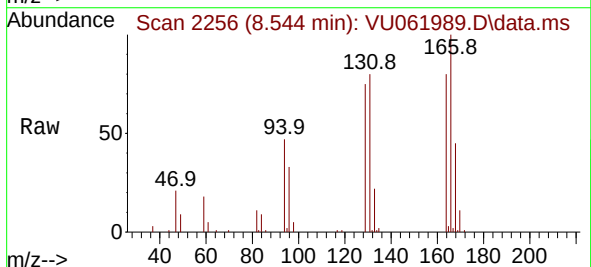
Acq: 22 Nov 2024 23:00

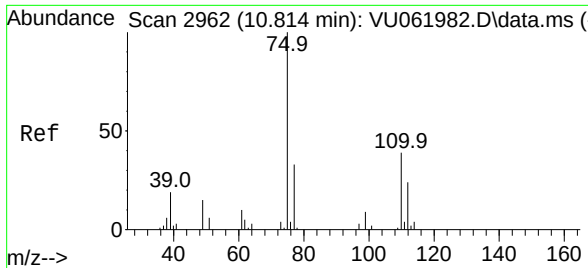
Tgt Ion:129 Resp: 21829

Ion Ratio Lower Upper

129 100

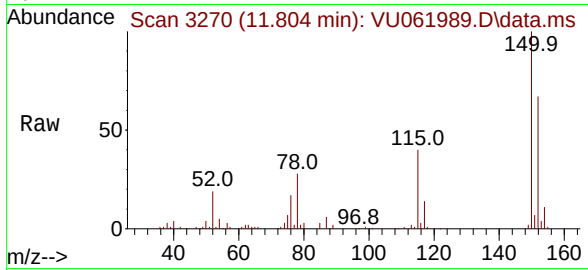
127 0.0 51.1 94.9#





#61
1,2,3-Trichloropropane
Concen: 0.900 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU061989.D
Acq: 22 Nov 2024 23:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 5383
Ion Ratio Lower Upper
75 100
110 0.0 28.9 43.3#
77 32.6 26.5 39.7

