

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112224\
 Data File : VU061980.D
 Acq On : 22 Nov 2024 18:31
 Operator : MD/SY
 Sample : P4903-07
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 22 22:48:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 22:40:46 2024
 Response via : Initial Calibration

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

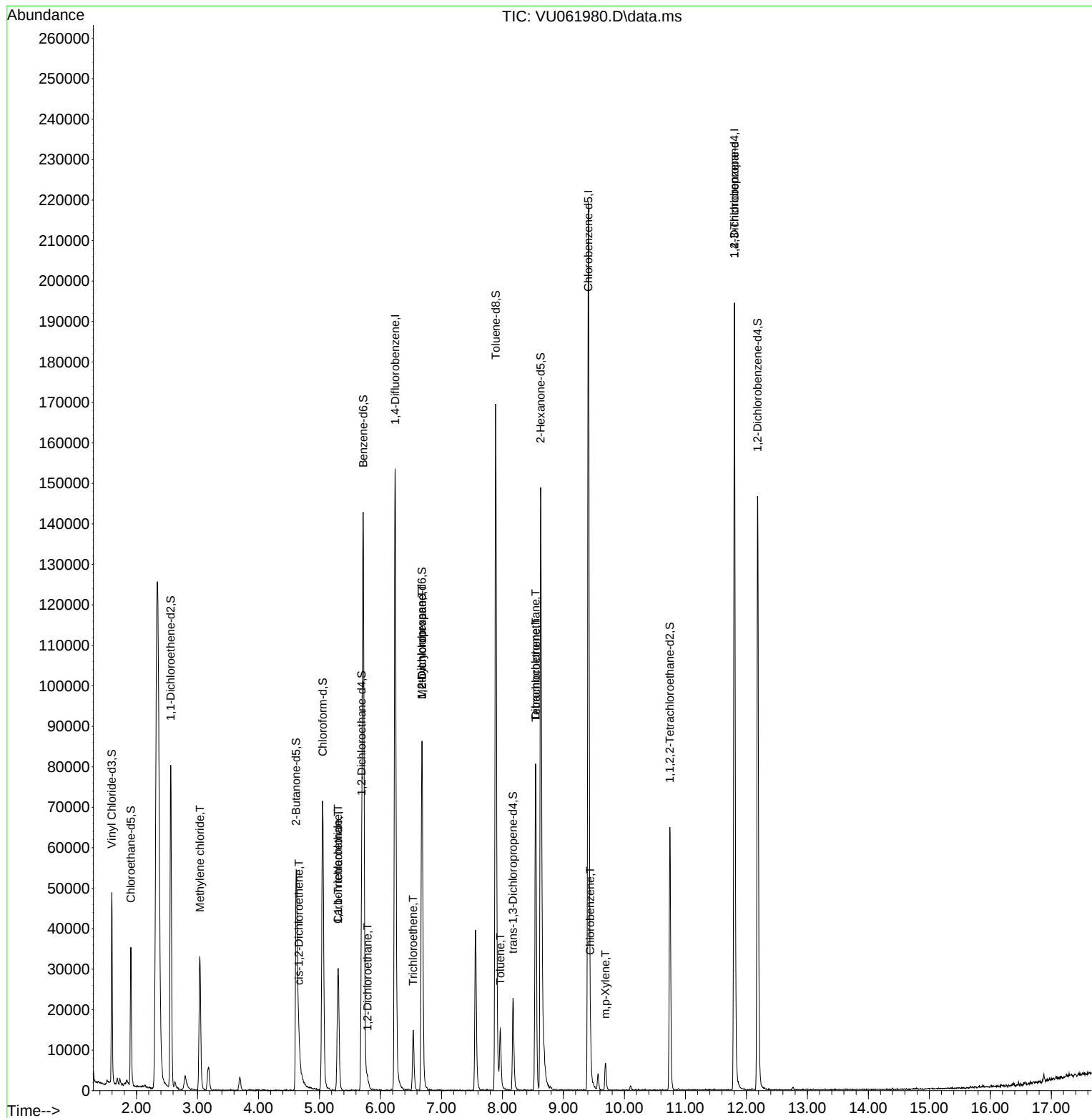
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	133314	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	126336	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	54560	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	33349	5.100	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.907	69	26002	4.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.560	65	15481	5.926	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.600%
20) 2-Butanone-d5	4.618	46	78776	38.362	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.720%
24) Chloroform-d	5.052	84	70503	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.692	65	36628	4.461	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.718	84	138696	5.635	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.600%
36) 1,2-Dichloropropane-d6	6.679	67	44420	5.311	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.200%
41) Toluene-d8	7.891	98	121894	5.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.800%
43) trans-1,3-Dichloroprop...	8.174	79	14452	4.667	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.627	63	52708	37.295	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.580%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	32877	3.934	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	41172	5.103	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						Qvalue
16) Methylene chloride	3.039	84	17760	1.654	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	1304	0.123	ug/L	88
27) 1,2-Dichloroethane	5.788	62	1809	0.146	ug/L #	75
29) 1,1,1-Trichloroethane	5.306	97	23072	1.584	ug/L	94
31) Carbon tetrachloride	5.306	117	2857	0.231	ug/L	97
34) Trichloroethene	6.537	95	5728	0.563	ug/L	95
35) Methylcyclohexane	6.679	83	10667	0.685	ug/L #	22
37) 1,2-Dichloropropane	6.679	63	4645	0.469	ug/L #	87
42) Toluene	7.965	91	11648	0.291	ug/L	96
47) Tetrachloroethene	8.547	164	18457	2.492	ug/L	95
49) Dibromochloromethane	8.544	129	18713	2.426	ug/L #	13
51) Chlorobenzene	9.441	112	5201	0.190	ug/L	94
53) m,p-Xylene	9.688	106	2276	0.135	ug/L	88
61) 1,2,3-Trichloropropane	11.804	75	6320	1.002	ug/L #	68

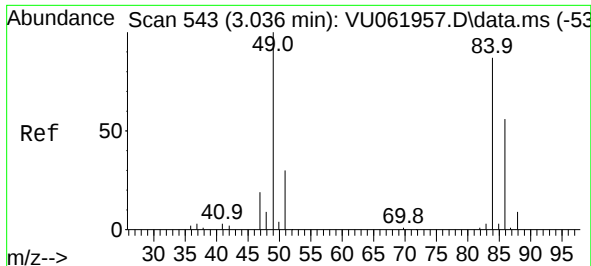
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methylene chloride

Concen: 1.654 ug/L

RT: 3.039 min Scan# 54

Delta R.T. 0.003 min

Lab File: VU061980.D

Acq: 22 Nov 2024 18:31

Instrument :

MSVOA_U

ClientSampleId :

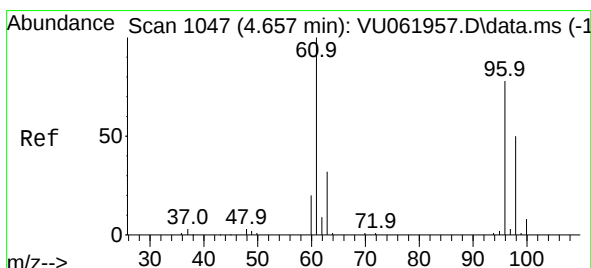
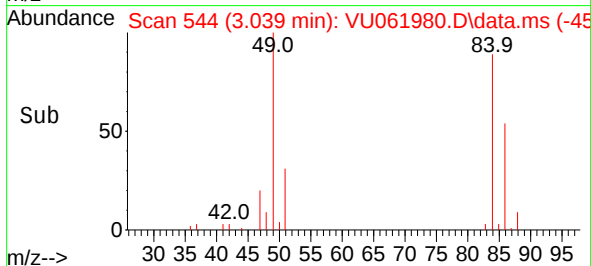
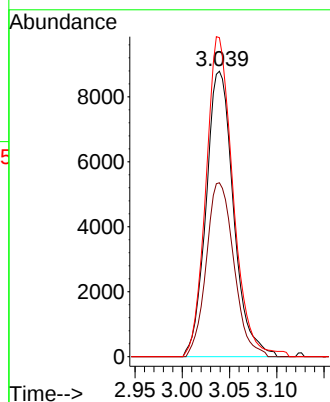
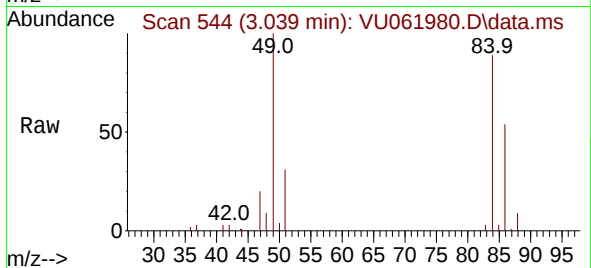
Tgt Ion: 84 Resp: 17760

Ion Ratio Lower Upper

84 100

86 60.9 43.5 80.7

49 111.8 81.9 152.1



#22

cis-1,2-Dichloroethene

Concen: 0.123 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.006 min

Lab File: VU061980.D

Acq: 22 Nov 2024 18:31

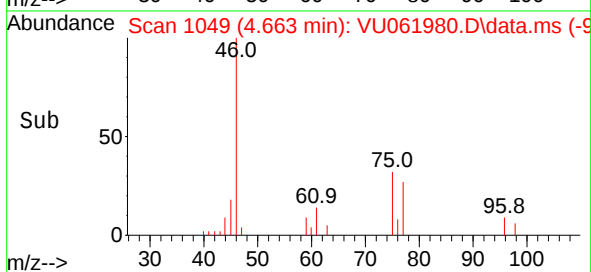
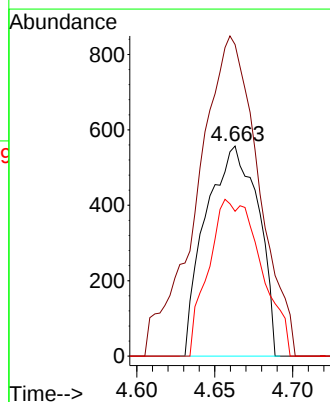
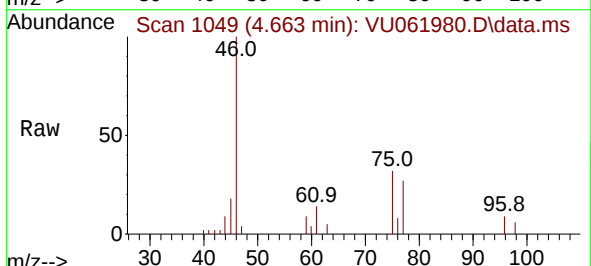
Tgt Ion: 96 Resp: 1304

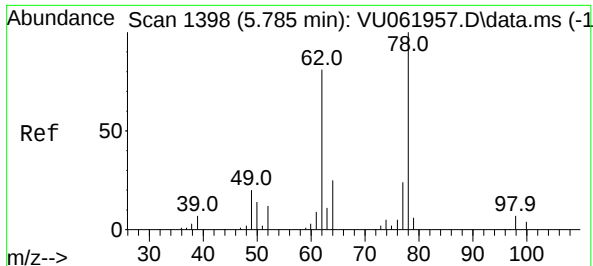
Ion Ratio Lower Upper

96 100

61 148.3 92.0 170.8

98 68.9 44.5 82.7

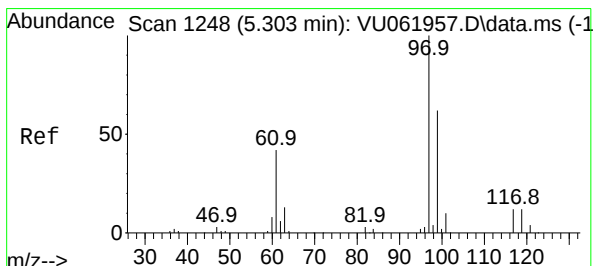
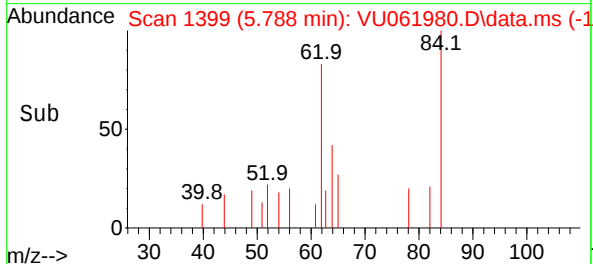
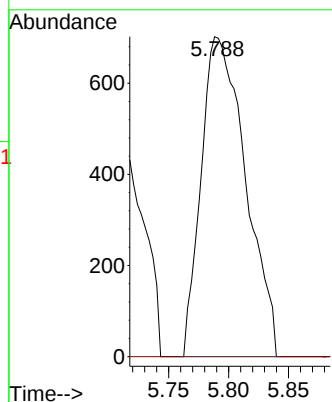
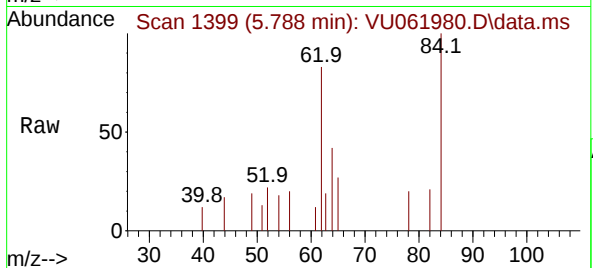




#27
1,2-Dichloroethane
Concen: 0.146 ug/L
RT: 5.788 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

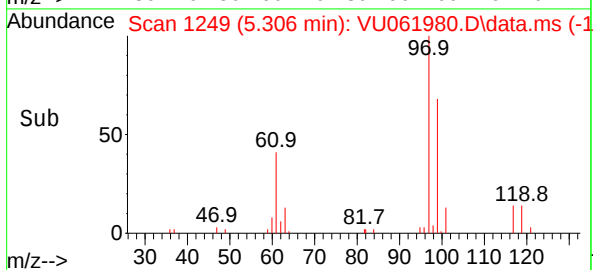
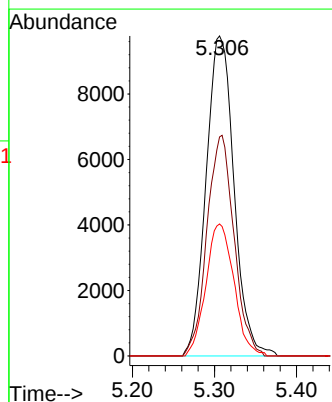
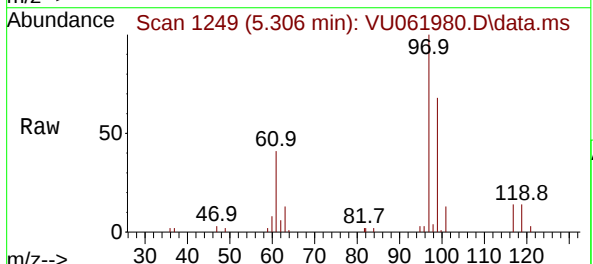
Instrument :
MSVOA_U
ClientSampleId :

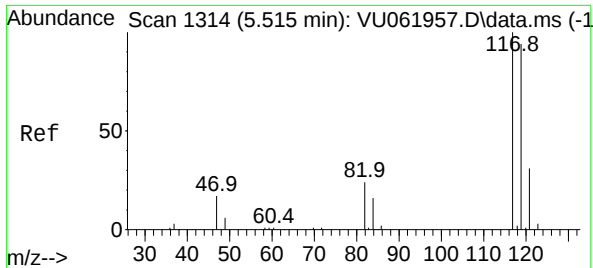
Tgt Ion: 62 Resp: 1809
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#29
1,1,1-Trichloroethane
Concen: 1.584 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

Tgt Ion: 97 Resp: 23072
Ion Ratio Lower Upper
97 100
99 67.0 51.4 77.2
61 41.4 37.8 56.6

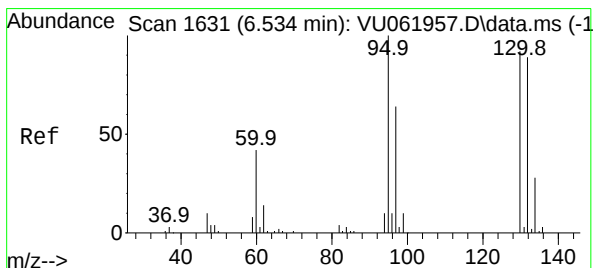
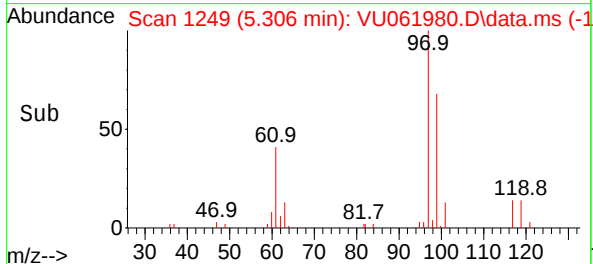
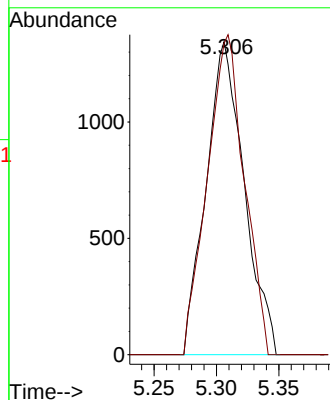
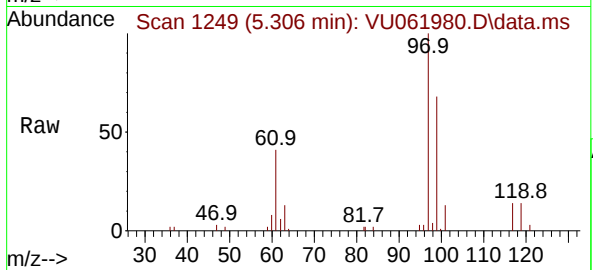




#31
Carbon tetrachloride
Concen: 0.231 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

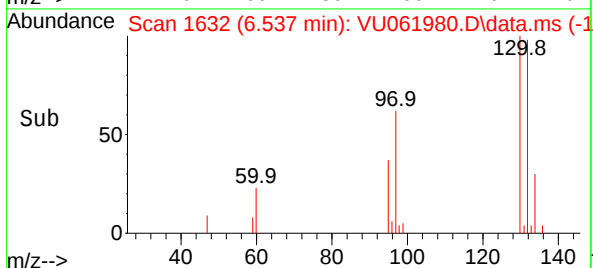
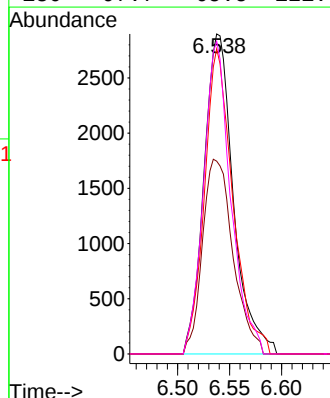
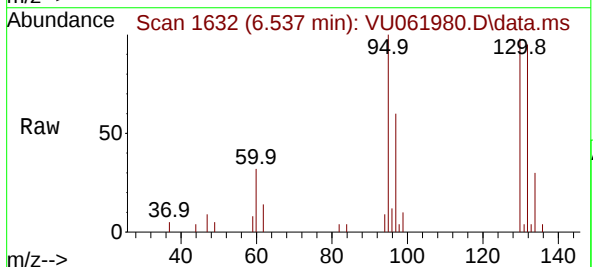
Instrument :
MSVOA_U
ClientSampleId :

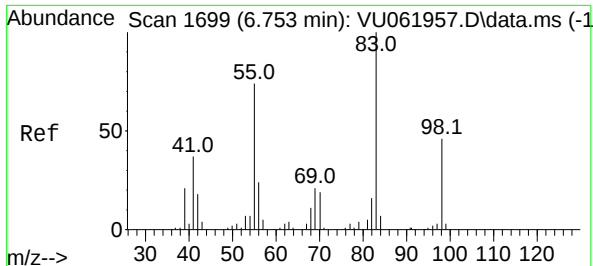
Tgt Ion:117 Resp: 2857
Ion Ratio Lower Upper
117 100
119 99.4 77.5 116.3



#34
Trichloroethene
Concen: 0.563 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

Tgt Ion: 95 Resp: 5728
Ion Ratio Lower Upper
95 100
97 60.2 45.9 85.3
132 95.3 63.8 118.4
130 97.7 65.5 121.7

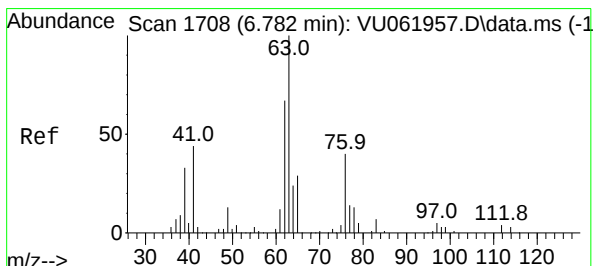
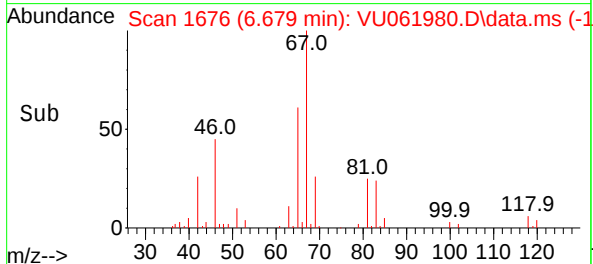
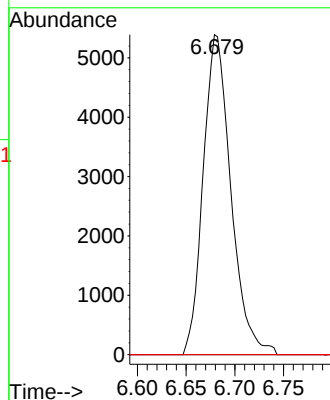
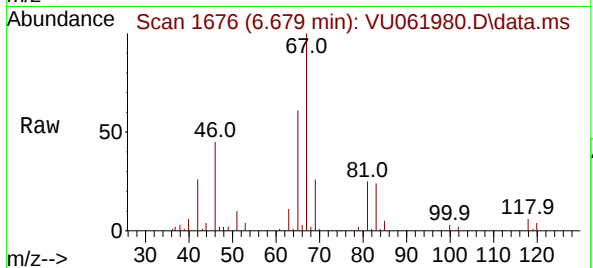




#35
Methylcyclohexane
Concen: 0.685 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.074 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

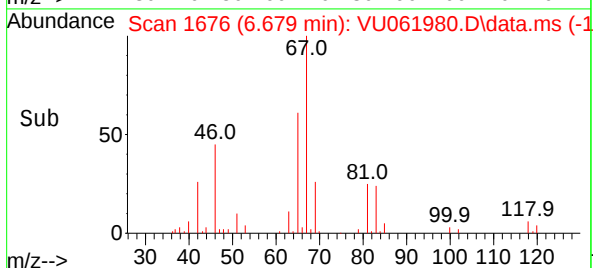
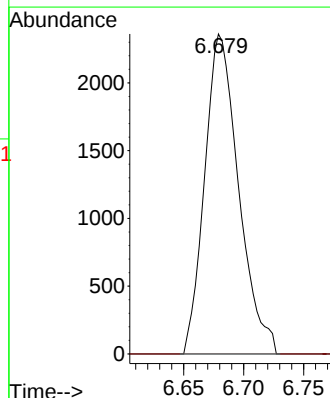
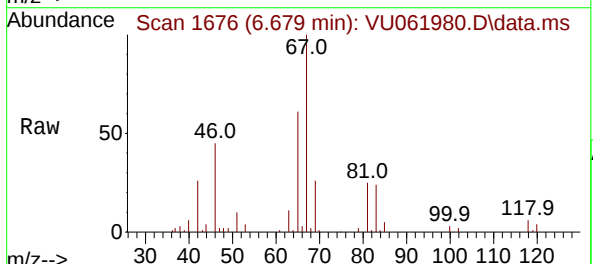
Instrument :
MSVOA_U
ClientSampleId :

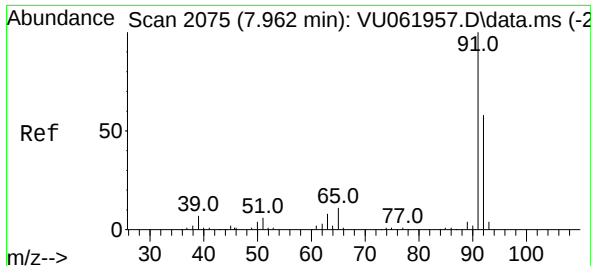
Tgt Ion: 83 Resp: 10667
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 4.7 34.8 52.2#



#37
1,2-Dichloropropane
Concen: 0.469 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.103 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

Tgt Ion: 63 Resp: 4645
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

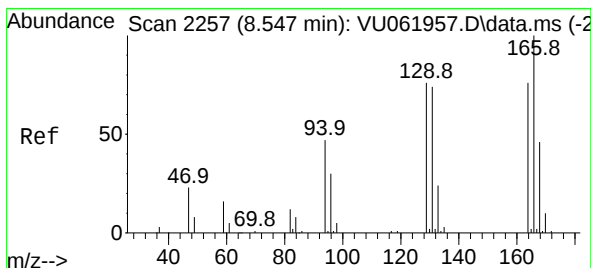
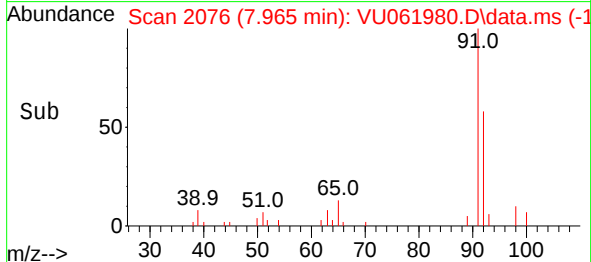
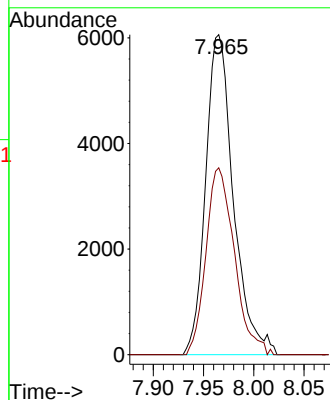
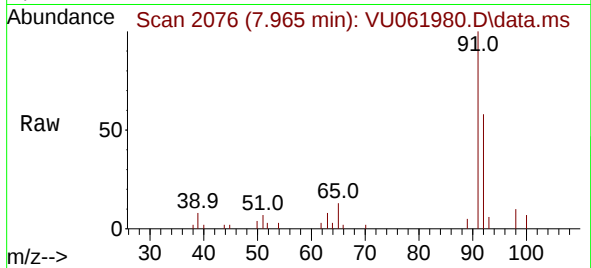




#42
Toluene
Concen: 0.291 ug/L
RT: 7.965 min Scan# 2075
Delta R.T. 0.003 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

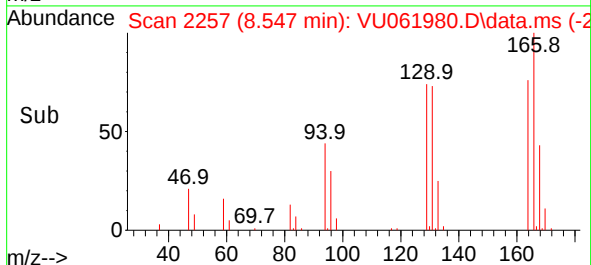
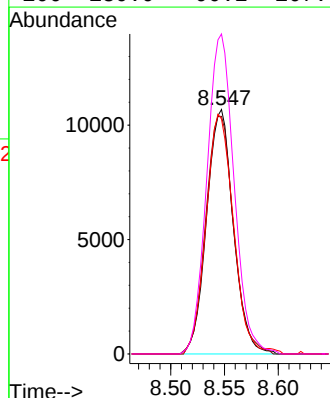
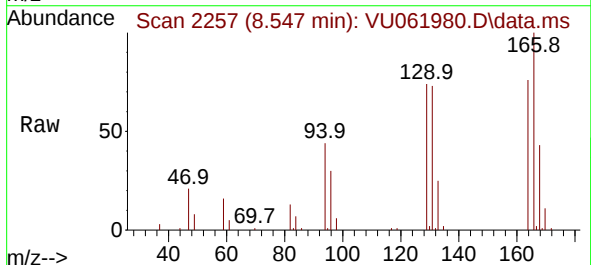
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MSVOA_U
ClientSampleId :

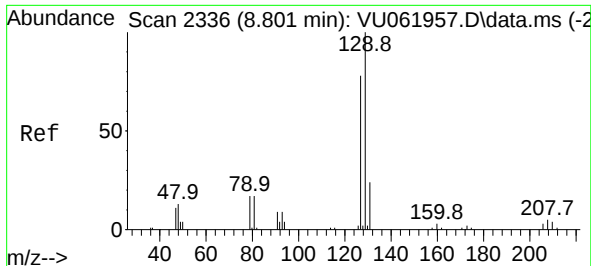
Tgt Ion: 91 Resp: 11648
Ion Ratio Lower Upper
91 100
92 58.4 39.0 72.4



#47
Tetrachloroethene
Concen: 2.492 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

Tgt Ion: 164 Resp: 18457
Ion Ratio Lower Upper
164 100
129 97.2 73.2 136.0
131 96.1 72.3 134.3
166 130.9 90.2 167.4





#49

Dibromochloromethane

Concen: 2.426 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061980.D

Acq: 22 Nov 2024 18:31

Instrument :

MSVOA_U

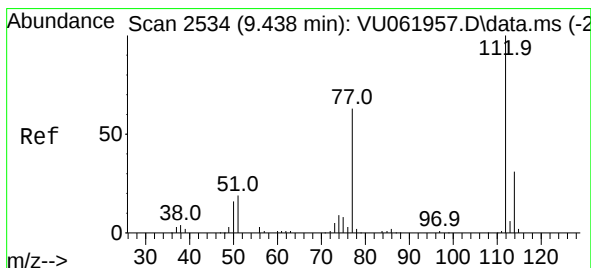
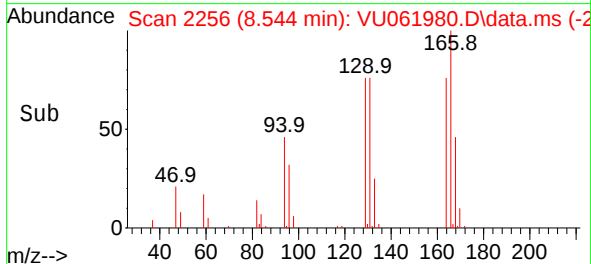
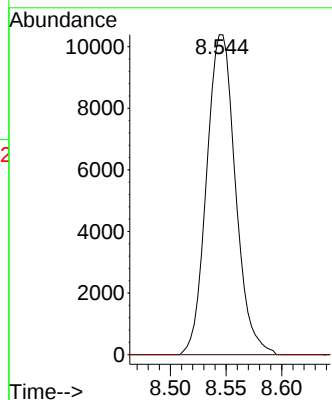
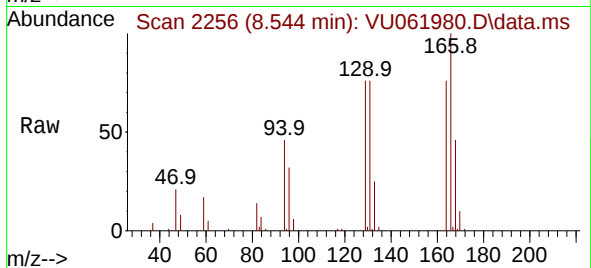
ClientSampleId :

Tgt Ion:129 Resp: 18713

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#



#51

Chlorobenzene

Concen: 0.190 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061980.D

Acq: 22 Nov 2024 18:31

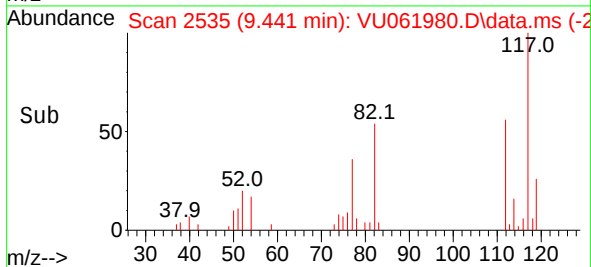
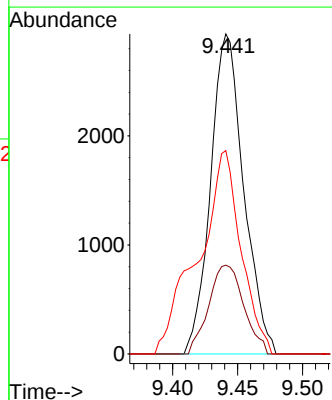
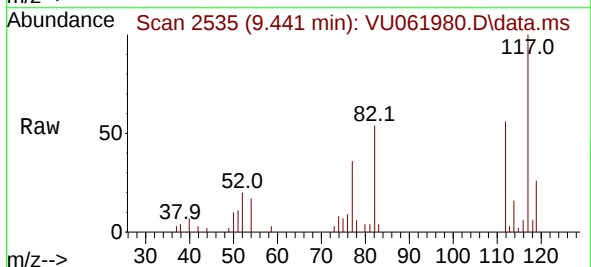
Tgt Ion:112 Resp: 5201

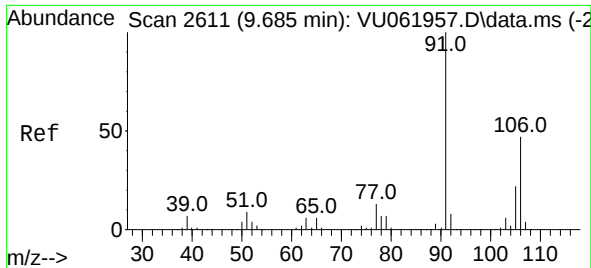
Ion Ratio Lower Upper

112 100

114 26.4 23.0 42.6

77 60.4 50.5 75.7

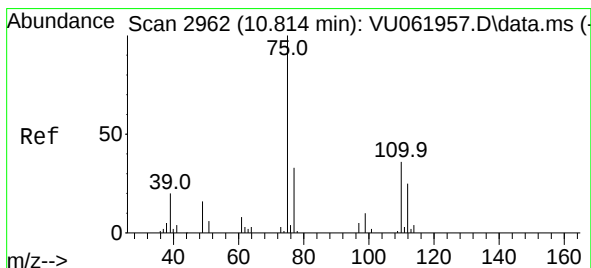
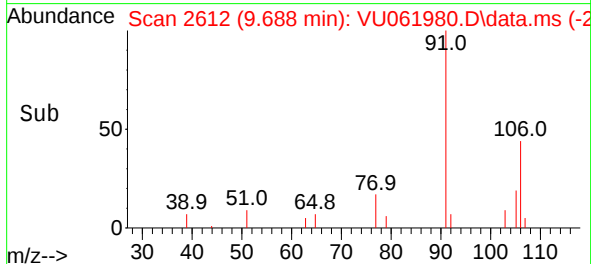
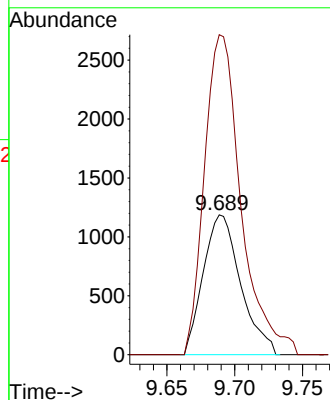
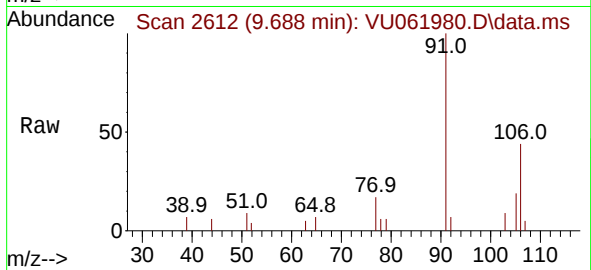




#53
m,p-Xylene
Concen: 0.135 ug/L
RT: 9.688 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 2276
Ion Ratio Lower Upper
106 100
91 228.8 147.6 274.0



#61
1,2,3-Trichloropropane
Concen: 1.002 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU061980.D
Acq: 22 Nov 2024 18:31

Tgt Ion: 75 Resp: 6320
Ion Ratio Lower Upper
75 100
110 0.7 28.9 43.3#
77 33.6 26.5 39.7

