

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112224\
 Data File : VU061991.D
 Acq On : 22 Nov 2024 23:48
 Operator : MD/SY
 Sample : P4903-19
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:17:27 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)

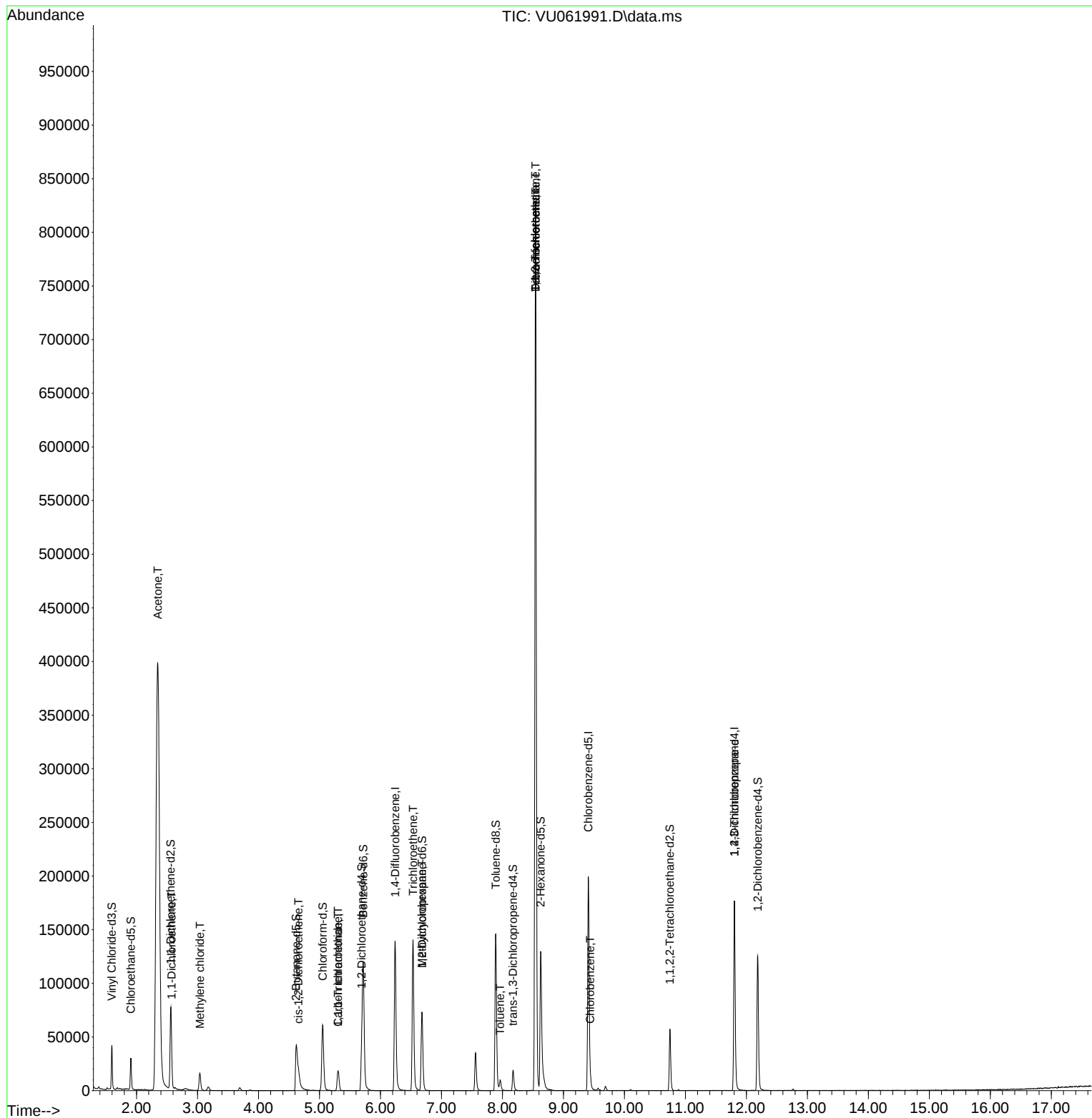
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	120195	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	114092	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	51431	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	28302	4.800	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.907	69	22182	4.253	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.560	65	13504	5.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.600%
20) 2-Butanone-d5	4.618	46	65275	35.257	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.520%
24) Chloroform-d	5.052	84	60910	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.692	65	32665	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.718	84	116768	5.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
36) 1,2-Dichloropropane-d6	6.682	67	36563	4.841	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.891	98	104450	5.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.600%
43) trans-1,3-Dichloroprop...	8.174	79	13047	4.666	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.627	63	44959	35.226	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.460%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	29076	3.852	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	36871	4.848	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	4972	0.617	ug/L #	1
13) Acetone	2.348	43	133485	104.426	ug/L	43
16) Methylene chloride	3.039	84	8590	0.888	ug/L	91
22) cis-1,2-Dichloroethene	4.657	96	4398	0.459	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	15049	1.144	ug/L	94
31) Carbon tetrachloride	5.306	117	1749	0.157	ug/L	98
34) Trichloroethene	6.534	95	51218	5.570	ug/L	99
35) Methylcyclohexane	6.679	83	8943	0.636	ug/L #	20
42) Toluene	7.962	91	8116	0.224	ug/L	96
45) 1,1,2-Trichloroethane	8.541	97	1781	0.270	ug/L #	4
47) Tetrachloroethene	8.544	164	182160	27.236	ug/L	97
49) Dibromochloromethane	8.544	129	183290	26.310	ug/L #	13
51) Chlorobenzene	9.441	112	5013	0.202	ug/L	95
61) 1,2,3-Trichloropropane	11.804	75	5877	0.988	ug/L #	69

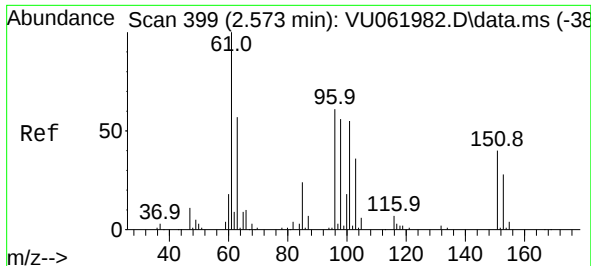
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.617 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU061991.D

Acq: 22 Nov 2024 23:48

Instrument :

MSVOA_U

ClientSampleId :

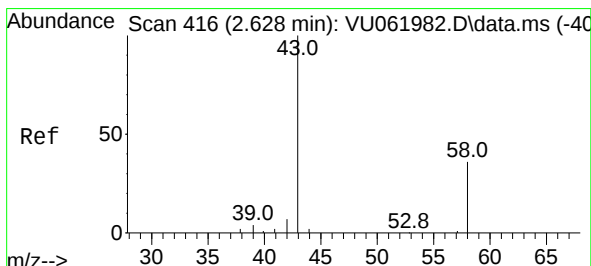
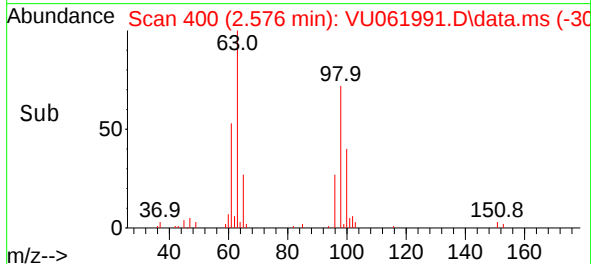
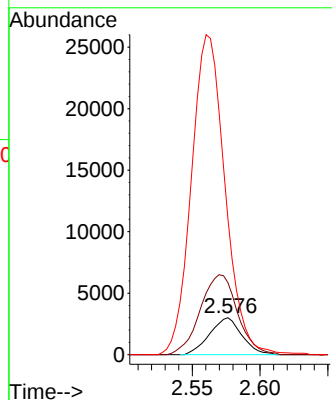
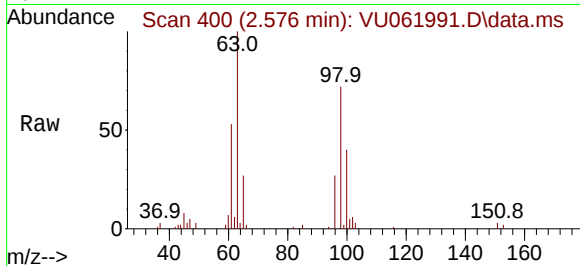
Tgt Ion: 96 Resp: 4972

Ion Ratio Lower Upper

96 100

61 194.9 119.6 222.2

63 368.5 65.0 120.6#



#13

Acetone

Concen: 104.426 ug/L

RT: 2.348 min Scan# 329

Delta R.T. -0.280 min

Lab File: VU061991.D

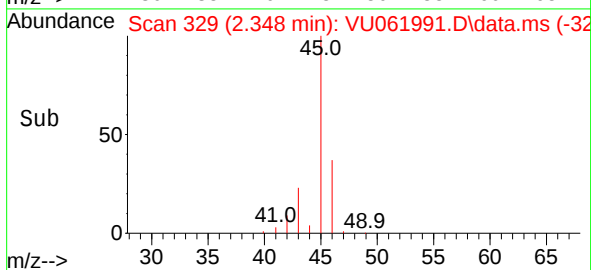
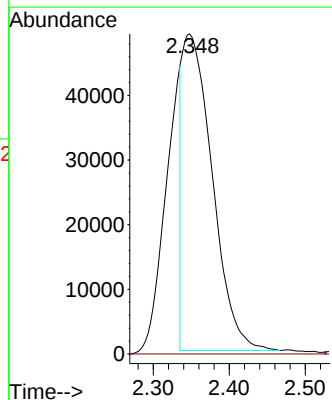
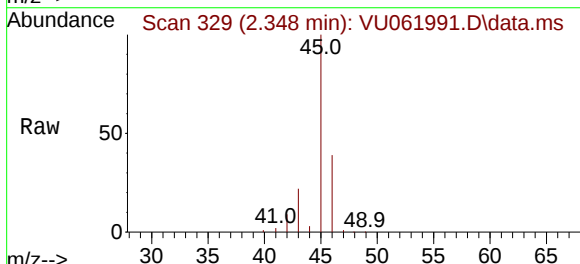
Acq: 22 Nov 2024 23:48

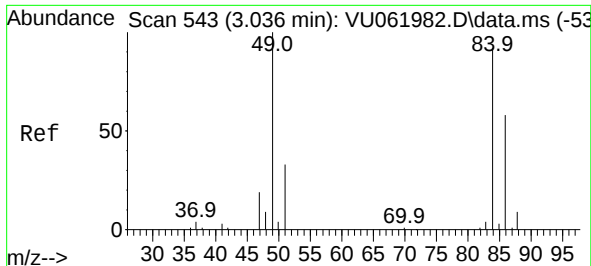
Tgt Ion: 43 Resp: 133485

Ion Ratio Lower Upper

43 100

58 0.4 0.0 64.0

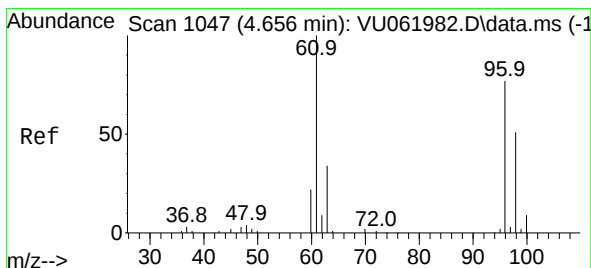
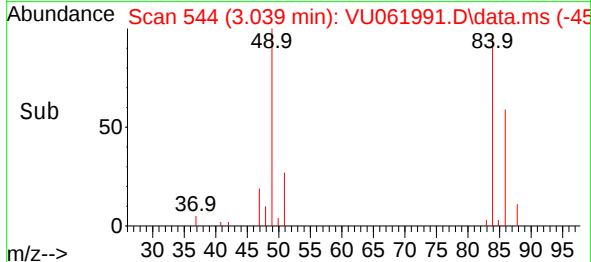
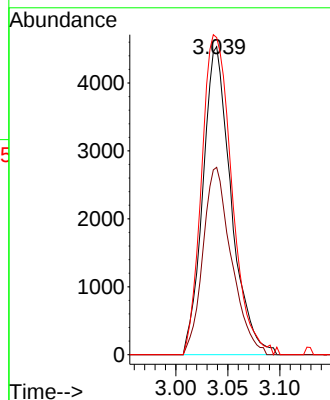
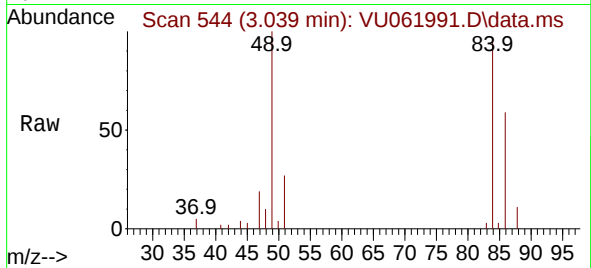




#16
Methylene chloride
Concen: 0.888 ug/L
RT: 3.039 min Scan# 543
Delta R.T. 0.003 min
Lab File: VU061991.D
Acq: 22 Nov 2024 23:48

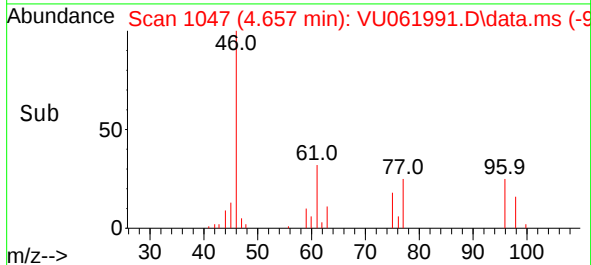
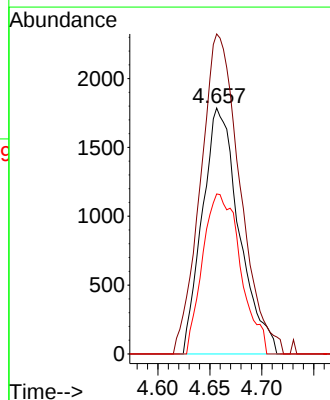
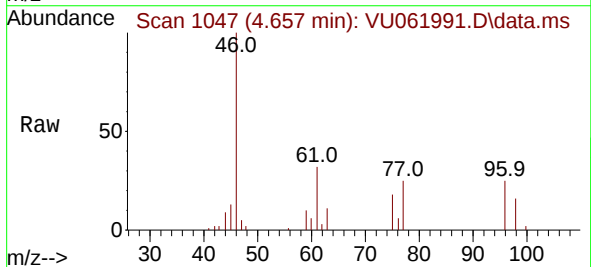
Instrument :
MSVOA_U
ClientSampleId :

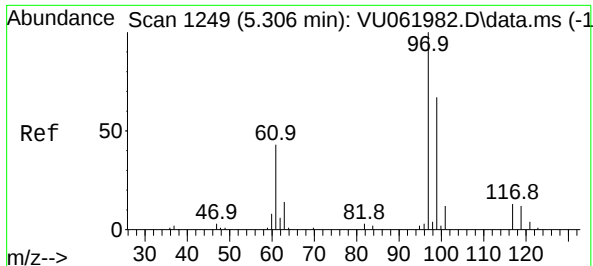
Tgt Ion: 84 Resp: 8590
Ion Ratio Lower Upper
84 100
86 60.8 43.5 80.7
49 103.0 81.9 152.1



#22
cis-1,2-Dichloroethene
Concen: 0.459 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU061991.D
Acq: 22 Nov 2024 23:48

Tgt Ion: 96 Resp: 4398
Ion Ratio Lower Upper
96 100
61 130.1 92.0 170.8
98 65.1 44.5 82.7

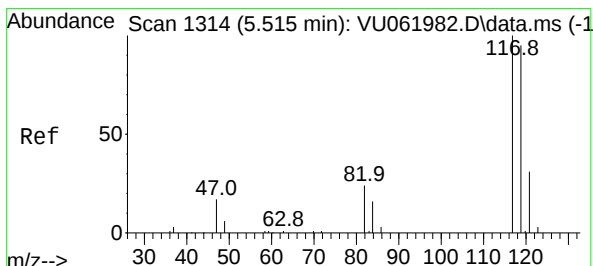
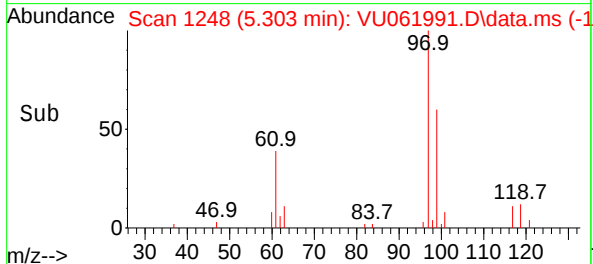
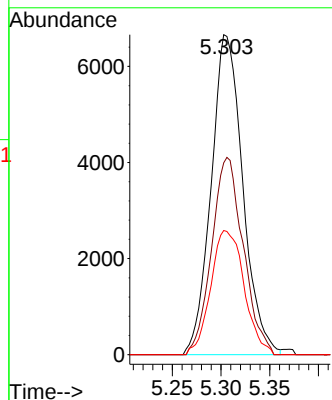
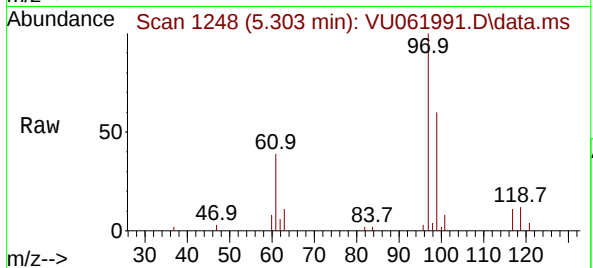




#29
1,1,1-Trichloroethane
Concen: 1.144 ug/L
RT: 5.303 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU061991.D
Acq: 22 Nov 2024 23:48

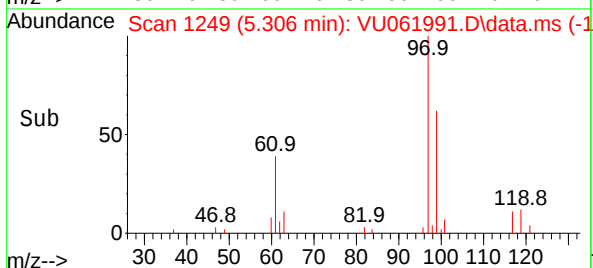
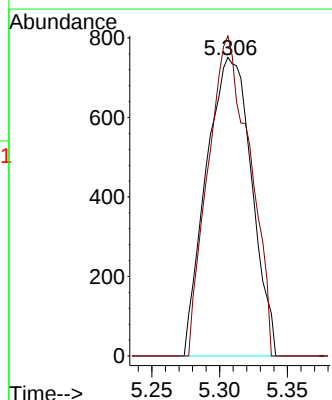
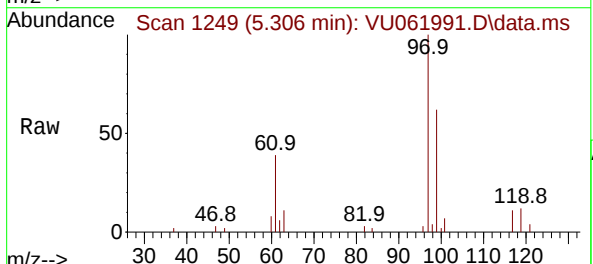
Instrument :
MSVOA_U
ClientSampleId :

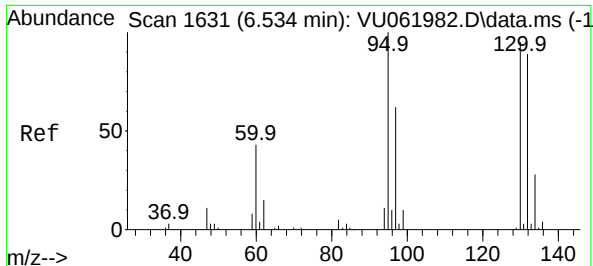
Tgt Ion: 97 Resp: 15049
Ion Ratio Lower Upper
97 100
99 61.5 51.4 77.2
61 41.0 37.8 56.6



#31
Carbon tetrachloride
Concen: 0.157 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.209 min
Lab File: VU061991.D
Acq: 22 Nov 2024 23:48

Tgt Ion:117 Resp: 1749
Ion Ratio Lower Upper
117 100
119 98.7 77.5 116.3





#34

Trichloroethene

Concen: 5.570 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061991.D

Acq: 22 Nov 2024 23:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 51218

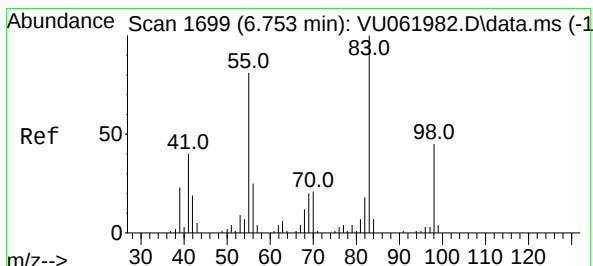
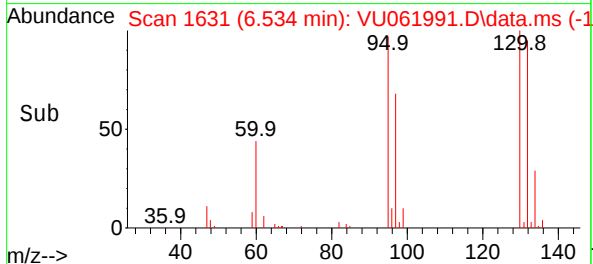
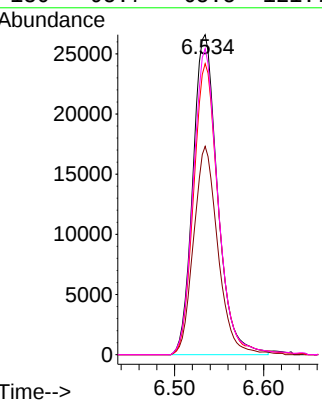
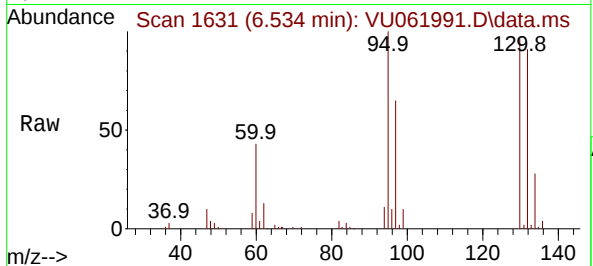
Ion Ratio Lower Upper

95 100

97 65.1 45.9 85.3

132 91.0 63.8 118.4

130 95.7 65.5 121.7



#35

Methylcyclohexane

Concen: 0.636 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.074 min

Lab File: VU061991.D

Acq: 22 Nov 2024 23:48

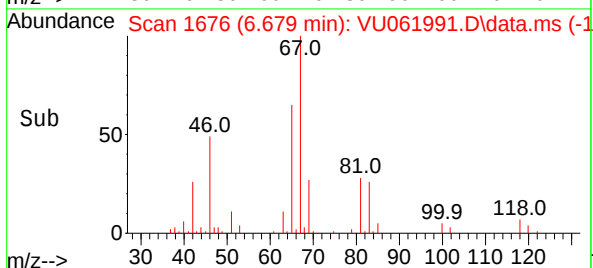
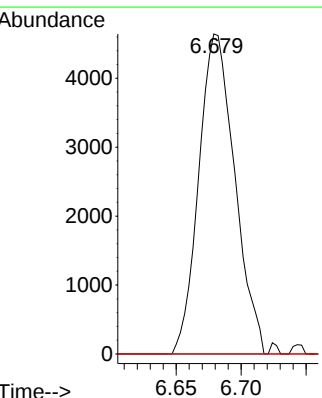
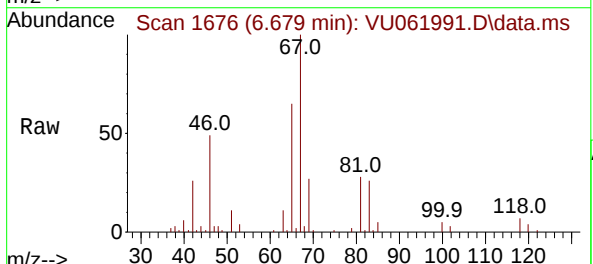
Tgt Ion: 83 Resp: 8943

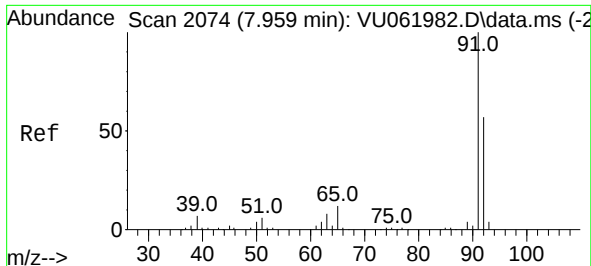
Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 1.1 34.8 52.2#





#42

Toluene

Concen: 0.224 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU061991.D

Acq: 22 Nov 2024 23:48

Instrument :

MSVOA_U

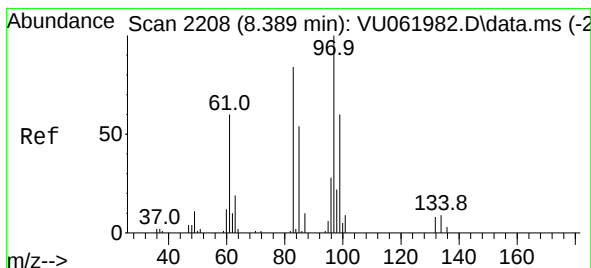
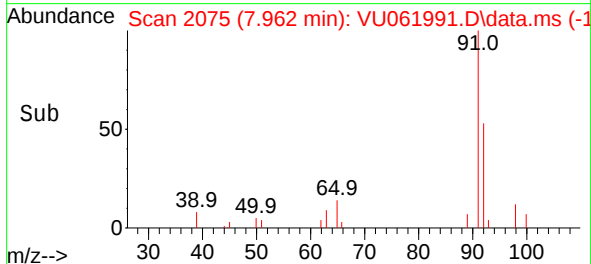
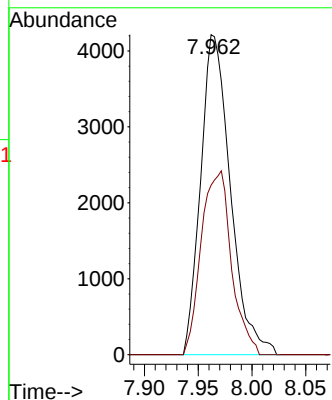
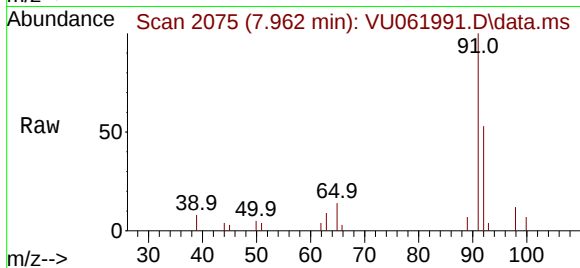
ClientSampleId :

Tgt Ion: 91 Resp: 8116

Ion Ratio Lower Upper

91 100

92 53.0 39.0 72.4



#45

1,1,2-Trichloroethane

Concen: 0.270 ug/L

RT: 8.541 min Scan# 2255

Delta R.T. 0.151 min

Lab File: VU061991.D

Acq: 22 Nov 2024 23:48

Tgt Ion: 97 Resp: 1781

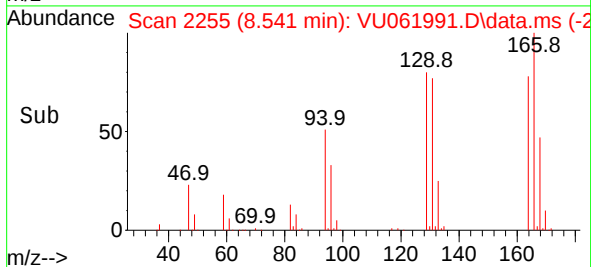
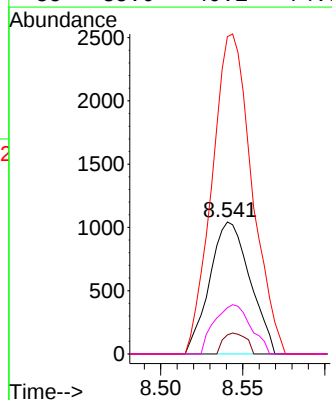
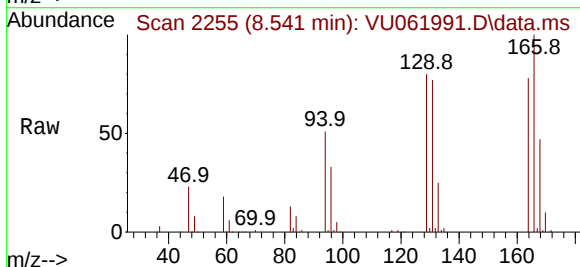
Ion Ratio Lower Upper

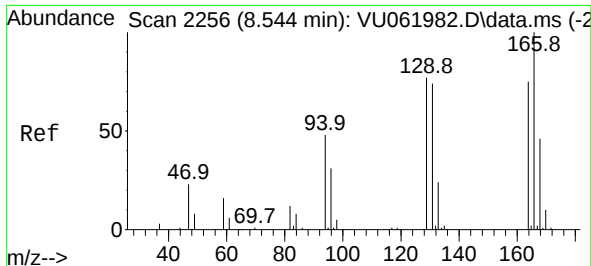
97 100

99 14.4 43.0 79.8#

83 240.5 61.7 114.5#

85 35.0 40.1 74.5#





#47

Tetrachloroethene

Concen: 27.236 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061991.D

Acq: 22 Nov 2024 23:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 182160

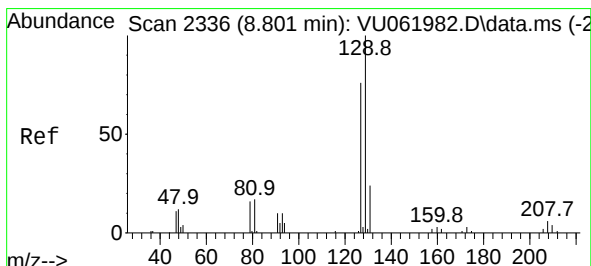
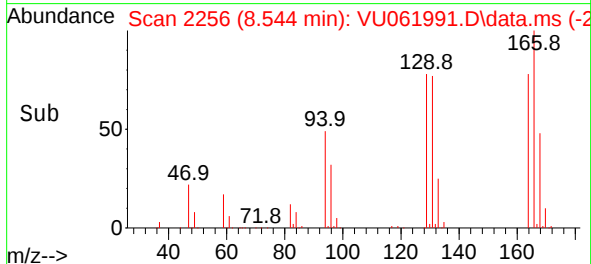
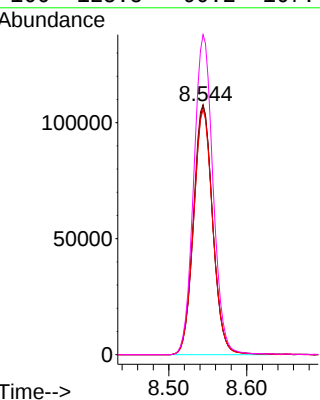
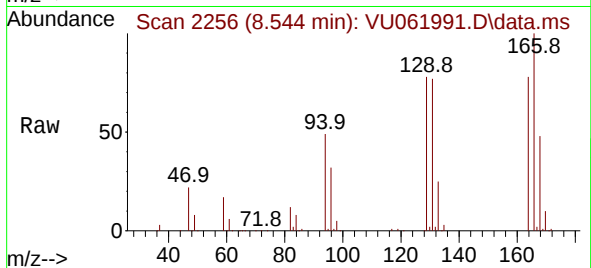
Ion Ratio Lower Upper

164 100

129 100.4 73.2 136.0

131 98.5 72.3 134.3

166 128.5 90.2 167.4



#49

Dibromochloromethane

Concen: 26.310 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.257 min

Lab File: VU061991.D

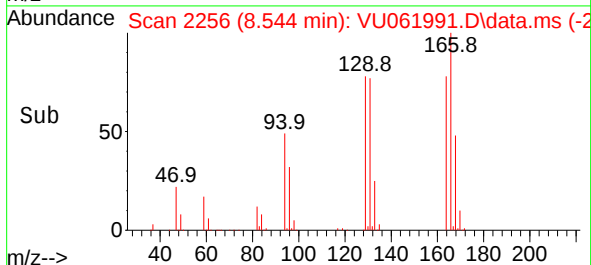
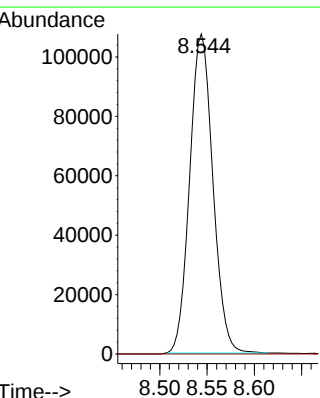
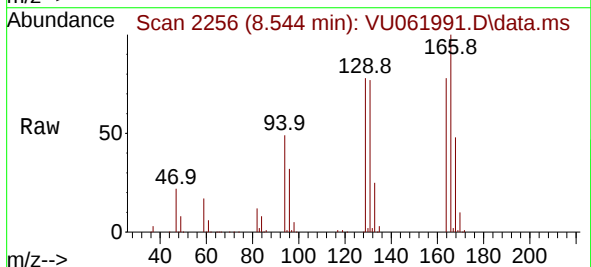
Acq: 22 Nov 2024 23:48

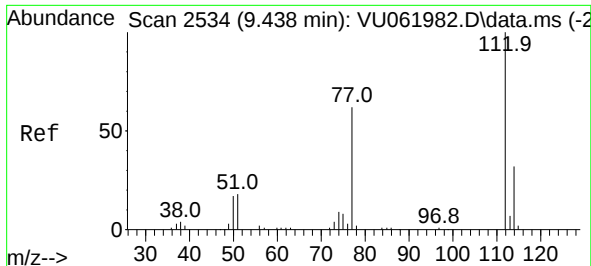
Tgt Ion:129 Resp: 183290

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#





#51

Chlorobenzene

Concen: 0.202 ug/L

RT: 9.441 min Scan# 2534

Delta R.T. 0.003 min

Lab File: VU061991.D

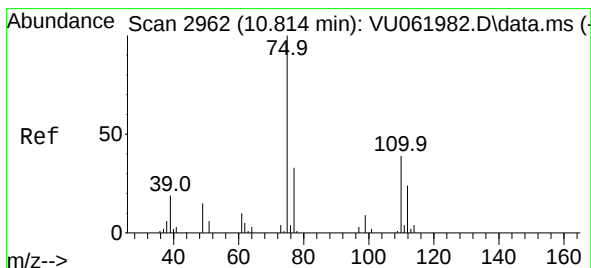
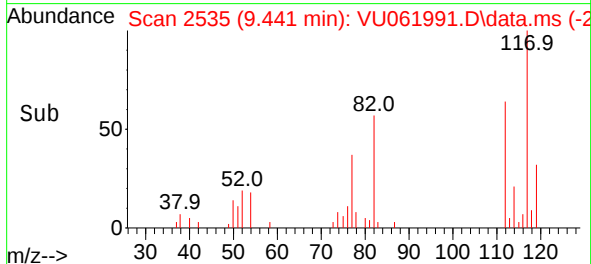
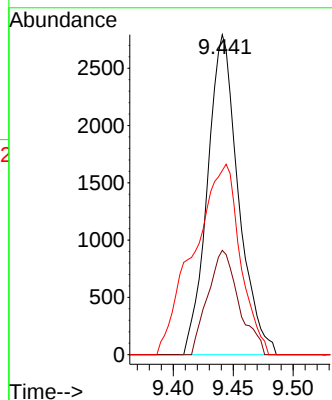
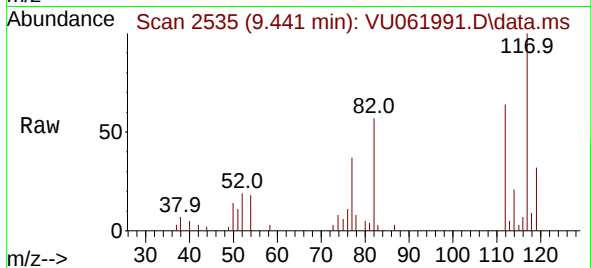
Acq: 22 Nov 2024 23:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	112	Resp:	5013
Ion Ratio	Lower	Upper	
112	100		
114	32.6	23.0	42.6
77	57.6	50.5	75.7



#61

1,2,3-Trichloropropane

Concen: 0.988 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU061991.D

Acq: 22 Nov 2024 23:48

Tgt Ion:	75	Resp:	5877
Ion Ratio	Lower	Upper	
75	100		
110	1.2	28.9	43.3#
77	33.4	26.5	39.7

