

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112024\
 Data File : VU061892.D
 Acq On : 21 Nov 2024 03:13
 Operator : MD/SY
 Sample : P4885-13
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 03:32:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 21 03:29:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	178844	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	184301	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	70269	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53224	6.067	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.400%
7) Chloroethane-d5	1.907	69	42055	5.419	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.400%
11) 1,1-Dichloroethene-d2	2.557	65	23305	6.649	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	133.000%#
20) 2-Butanone-d5	4.615	46	105698	38.369	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.740%
24) Chloroform-d	5.052	84	97956	4.577	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.692	65	52457	4.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.718	84	195728	5.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.000%
36) 1,2-Dichloropropane-d6	6.682	67	61376	5.030	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.891	98	177567	5.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.600%
43) trans-1,3-Dichloroprop...	8.174	79	20752	4.594	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.624	63	77063	37.378	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.760%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49778	4.083	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	51653	4.971	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	5990	0.464	ug/L	93
16) Methylene chloride	3.036	84	28617	1.987	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	2993	0.210	ug/L	98
27) 1,2-Dichloroethane	5.792	62	4060	0.244	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	42646	2.008	ug/L	97
31) Carbon tetrachloride	5.306	117	5222	0.290	ug/L	98
34) Trichloroethene	6.534	95	74948	5.045	ug/L	99
35) Methylcyclohexane	6.679	83	14081	0.620	ug/L #	21
37) 1,2-Dichloropropane	6.679	63	6879	0.476	ug/L #	87
42) Toluene	7.962	91	34895	0.597	ug/L	96
47) Tetrachloroethene	8.544	164	97022	8.980	ug/L	96
49) Dibromochloromethane	8.544	129	96347	8.561	ug/L #	13
51) Chlorobenzene	9.438	112	16296	0.407	ug/L	99
52) Ethylbenzene	9.566	91	14528	0.208	ug/L	97
53) m,p-Xylene	9.685	106	10388	0.421	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	1911	0.140	ug/L #	75
61) 1,2,3-Trichloropropane	11.807	75	9753	1.201	ug/L #	65
67) 1,2-Dichlorobenzene	12.206	146	9033	0.427	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 03:29:06 2024
Response via : Initial Calibration

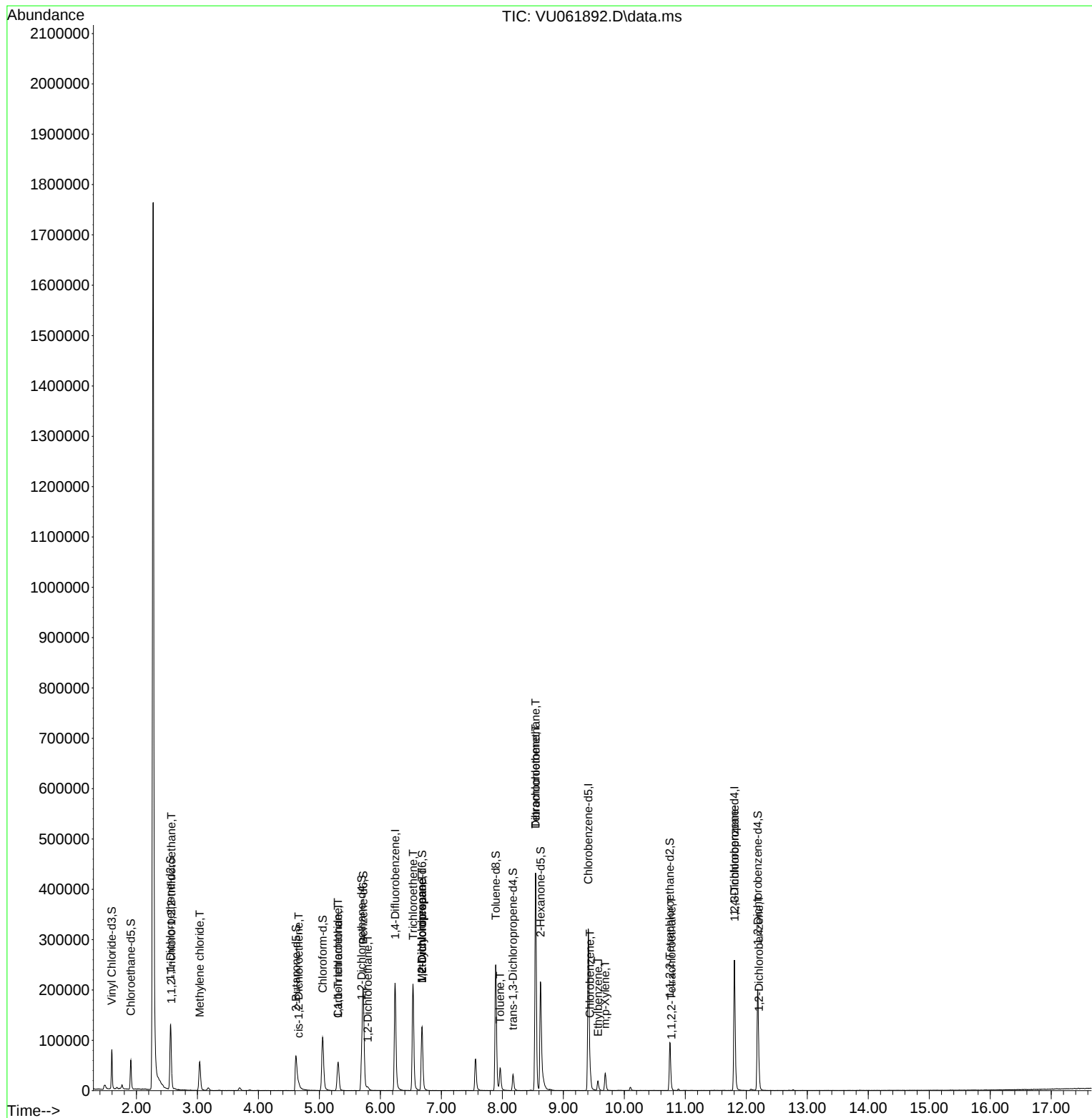
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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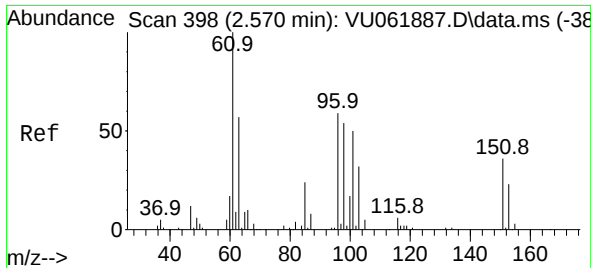
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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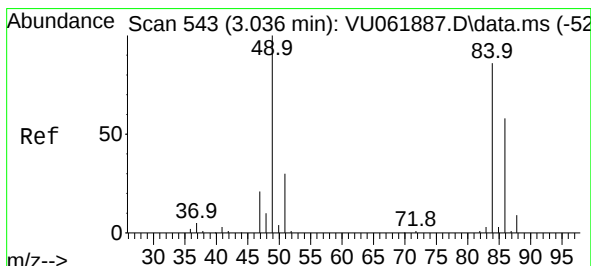
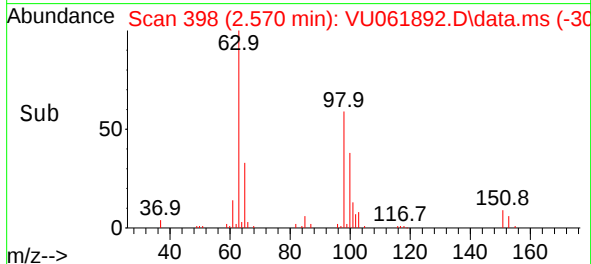
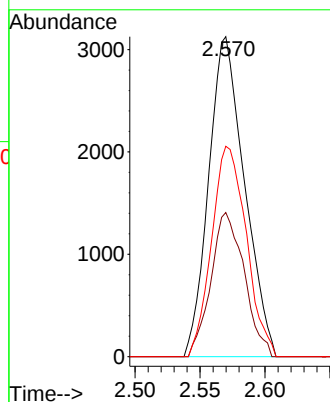
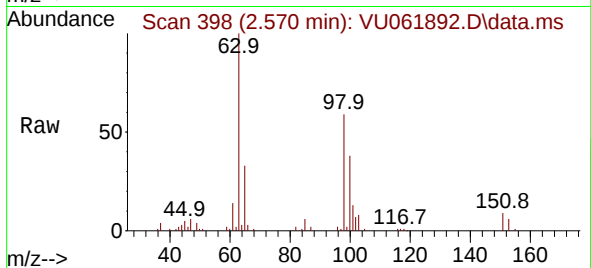




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.464 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

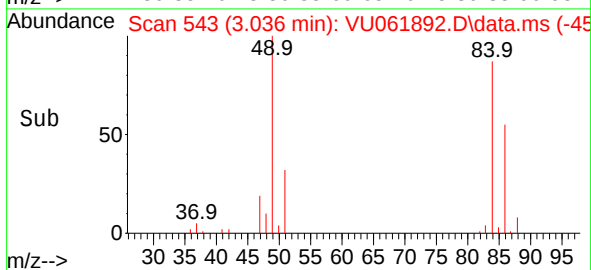
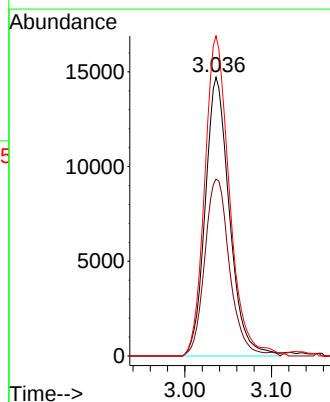
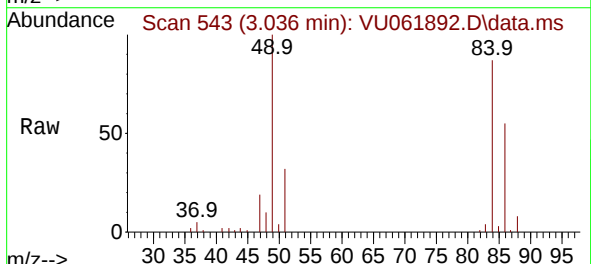
Instrument :
MSVOA_U
ClientSampleId :

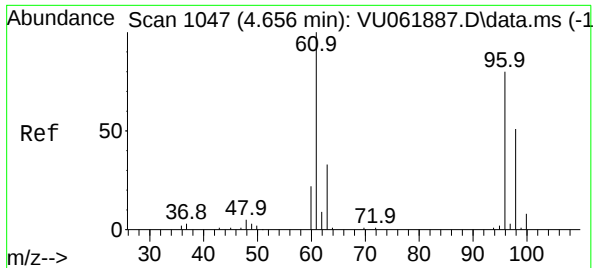
Tgt Ion:101 Resp: 5990
Ion Ratio Lower Upper
101 100
85 41.9 38.0 57.0
151 63.7 55.3 82.9



#16
Methylene chloride
Concen: 1.987 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

Tgt Ion: 84 Resp: 28617
Ion Ratio Lower Upper
84 100
86 63.5 43.5 80.7
49 114.8 81.9 152.1

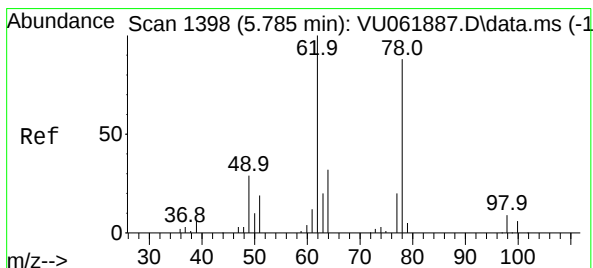
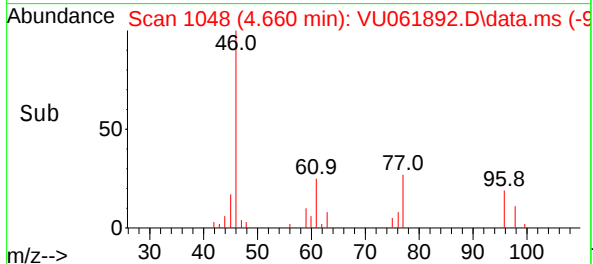
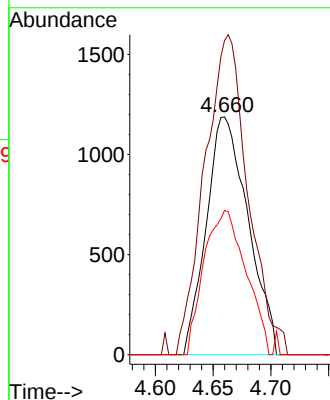
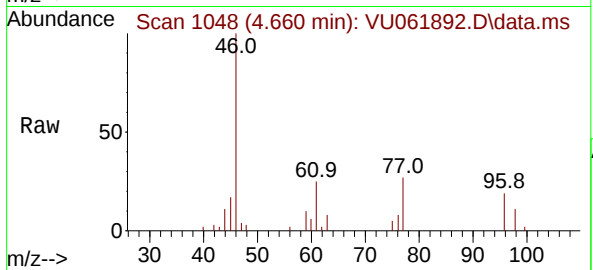




#22
 cis-1,2-Dichloroethene
 Concen: 0.210 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU061892.D
 Acq: 21 Nov 2024 03:13

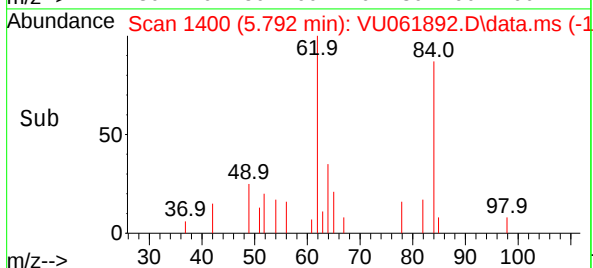
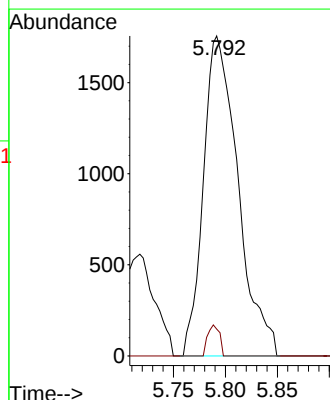
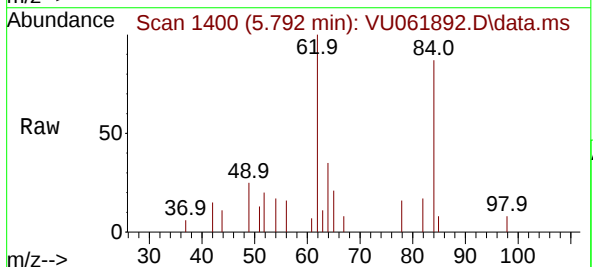
Instrument :
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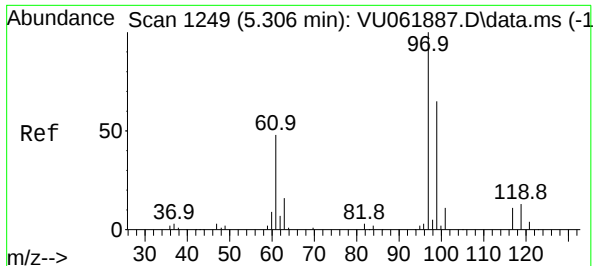
Tgt Ion: 96 Resp: 2993
 Ion Ratio Lower Upper
 96 100
 61 132.2 92.0 170.8
 98 60.6 44.5 82.7



#27
 1,2-Dichloroethane
 Concen: 0.244 ug/L
 RT: 5.792 min Scan# 1400
 Delta R.T. 0.007 min
 Lab File: VU061892.D
 Acq: 21 Nov 2024 03:13

Tgt Ion: 62 Resp: 4060
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.4 11.0

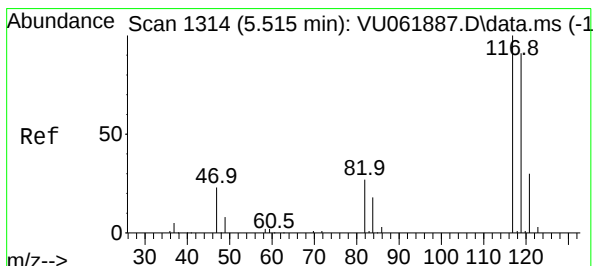
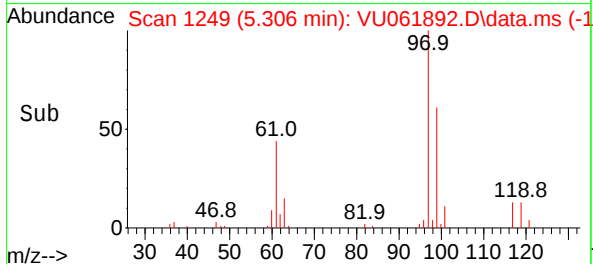
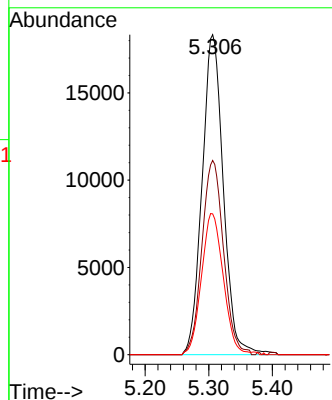
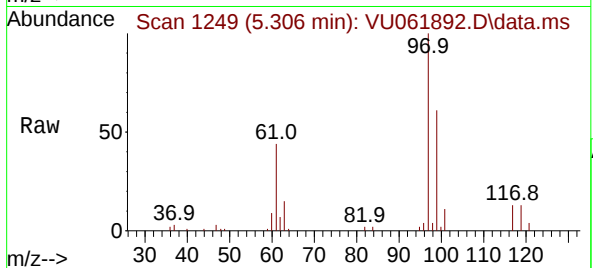




#29
1,1,1-Trichloroethane
Concen: 2.008 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

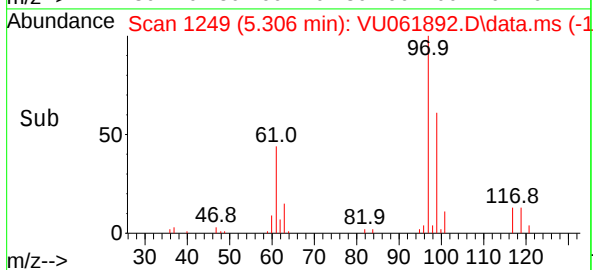
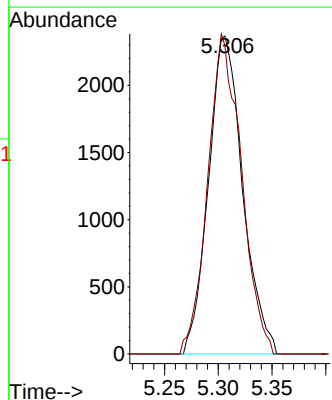
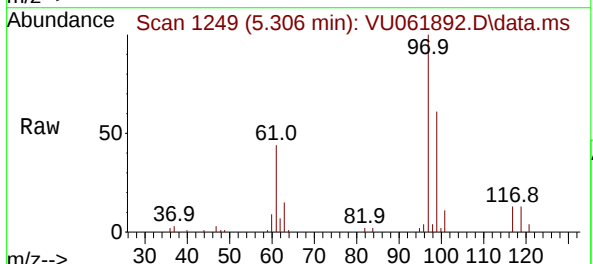
Instrument :
MSVOA_U
ClientSampleId :

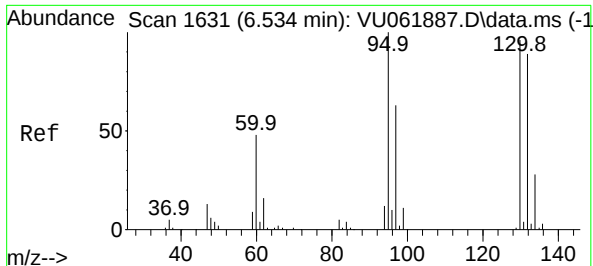
Tgt Ion: 97 Resp: 42646
Ion Ratio Lower Upper
97 100
99 61.6 51.4 77.2
61 45.2 37.8 56.6



#31
Carbon tetrachloride
Concen: 0.290 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.209 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

Tgt Ion: 117 Resp: 5222
Ion Ratio Lower Upper
117 100
119 99.2 77.5 116.3





#34

Trichloroethene

Concen: 5.045 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061892.D

Acq: 21 Nov 2024 03:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 74948

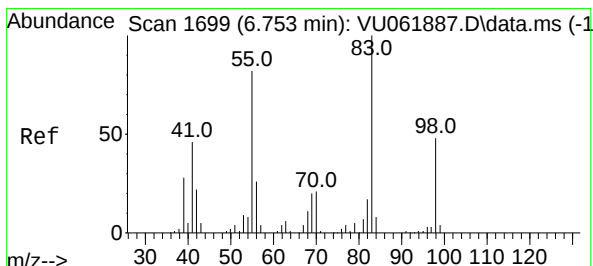
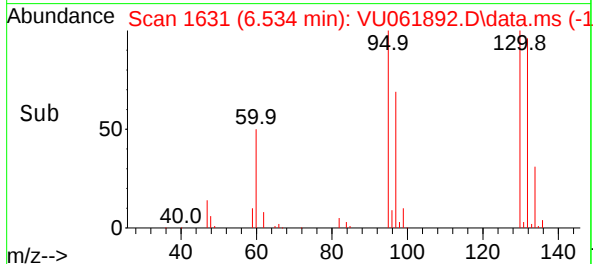
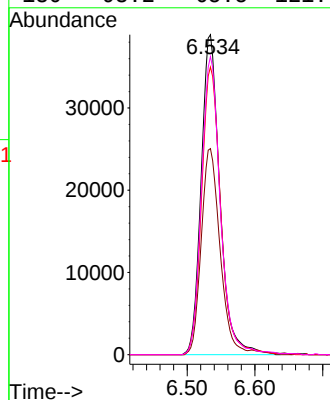
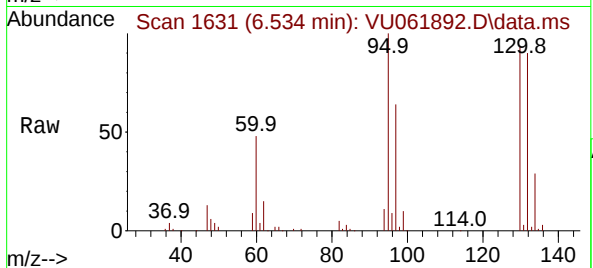
Ion Ratio Lower Upper

95 100

97 64.4 45.9 85.3

132 89.9 63.8 118.4

130 93.2 65.5 121.7



#35

Methylcyclohexane

Concen: 0.620 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.074 min

Lab File: VU061892.D

Acq: 21 Nov 2024 03:13

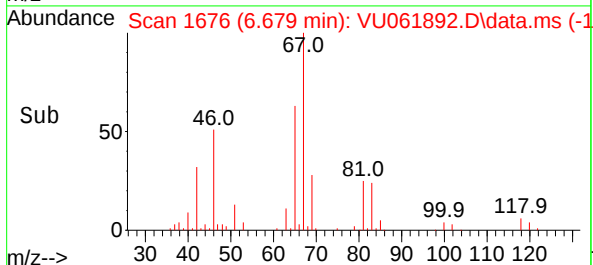
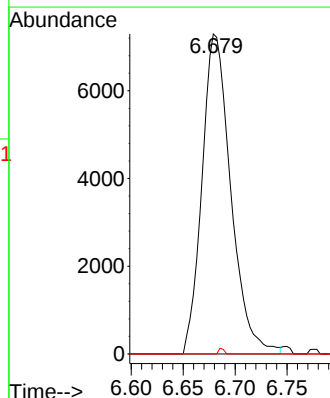
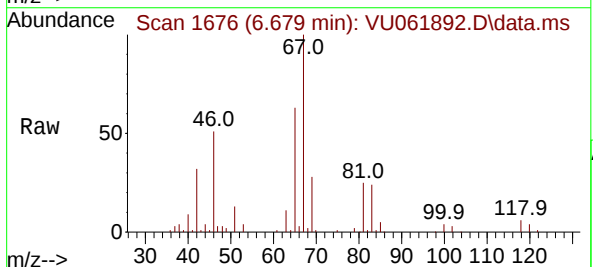
Tgt Ion: 83 Resp: 14081

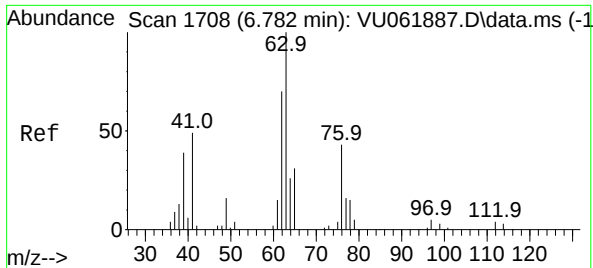
Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 3.2 34.8 52.2#

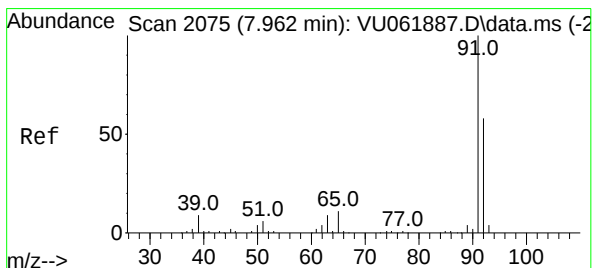
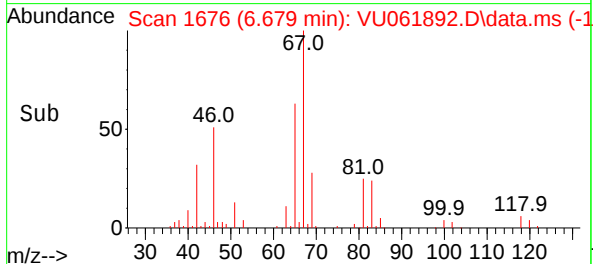
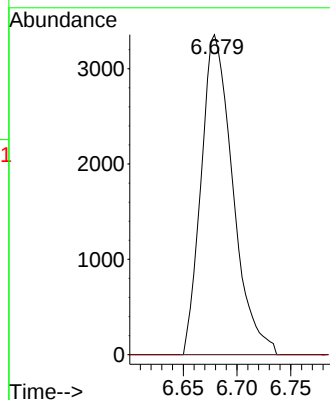
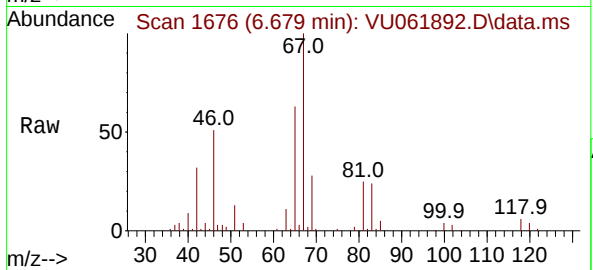




#37
1,2-Dichloropropane
Concen: 0.476 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

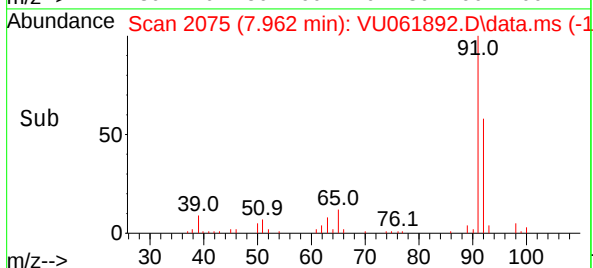
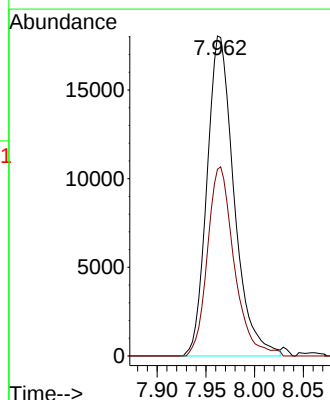
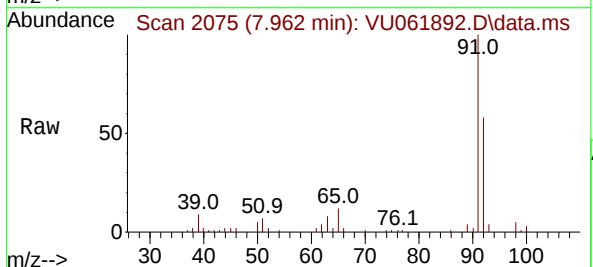
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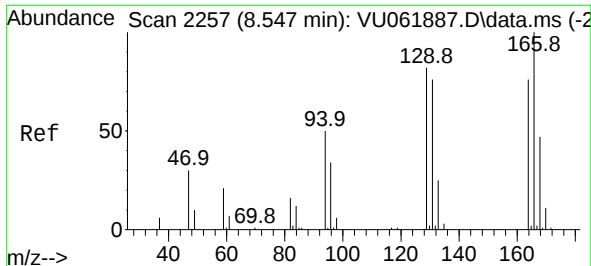
Tgt Ion: 63 Resp: 6879
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#42
Toluene
Concen: 0.597 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

Tgt Ion: 91 Resp: 34895
Ion Ratio Lower Upper
91 100
92 58.3 39.0 72.4





#47

Tetrachloroethene

Concen: 8.980 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU061892.D

Acq: 21 Nov 2024 03:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 97022

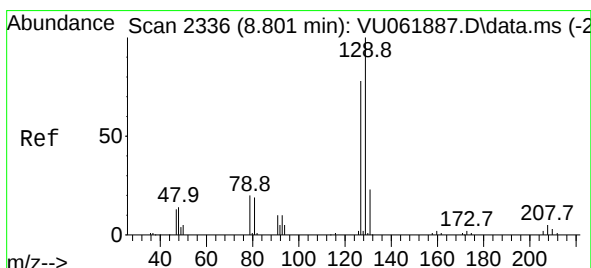
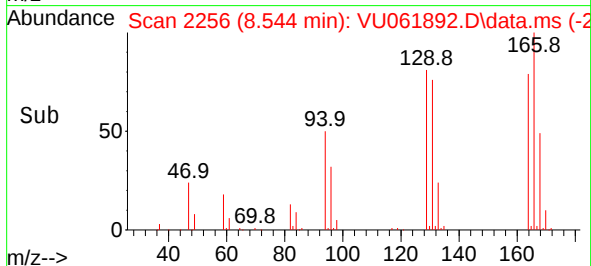
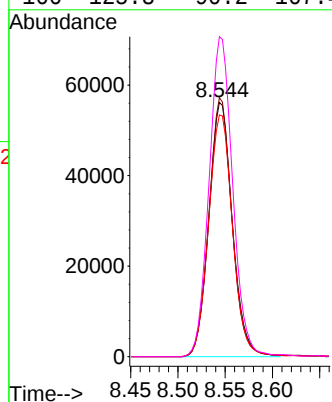
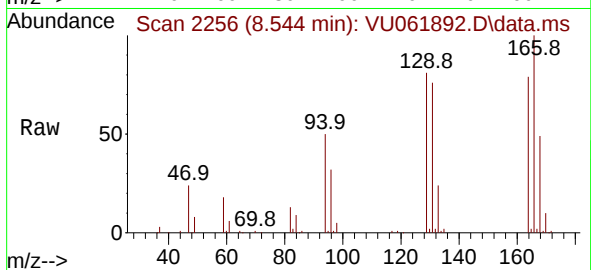
Ion Ratio Lower Upper

164 100

129 101.9 73.2 136.0

131 95.1 72.3 134.3

166 125.8 90.2 167.4



#49

Dibromochloromethane

Concen: 8.561 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.257 min

Lab File: VU061892.D

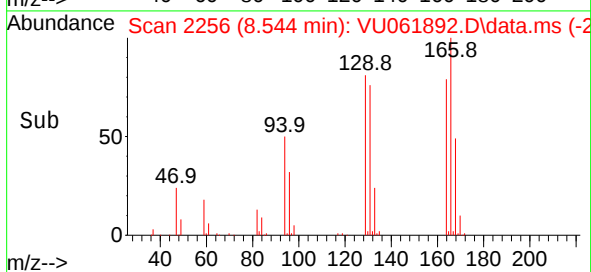
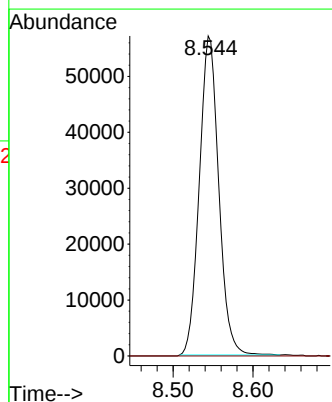
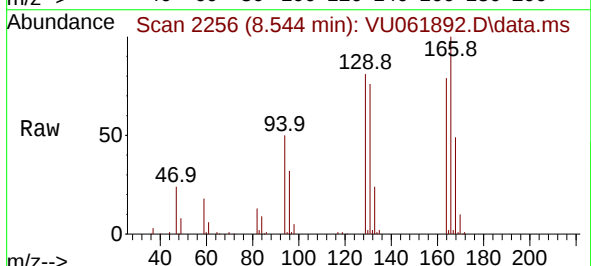
Acq: 21 Nov 2024 03:13

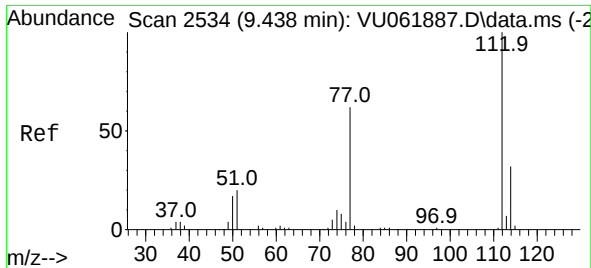
Tgt Ion:129 Resp: 96347

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#

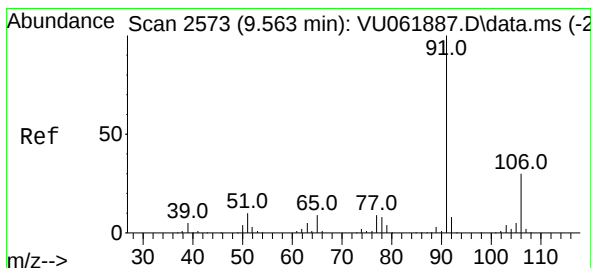
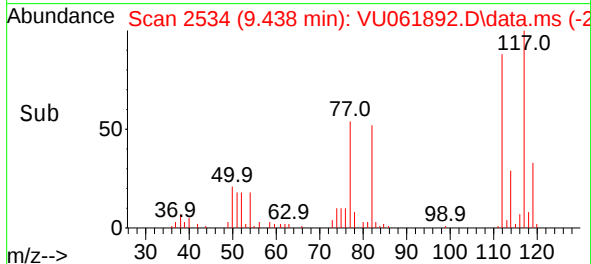
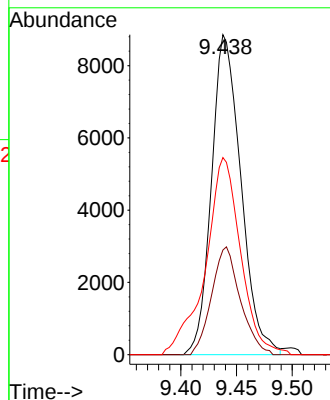
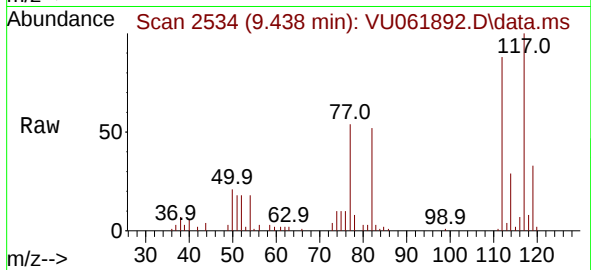




#51
Chlorobenzene
Concen: 0.407 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

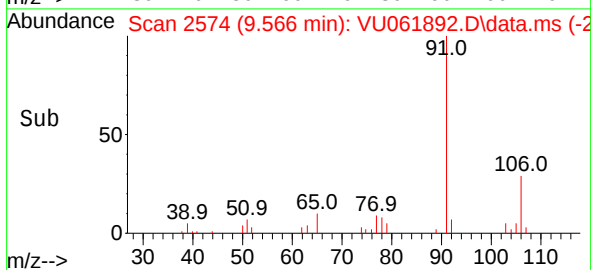
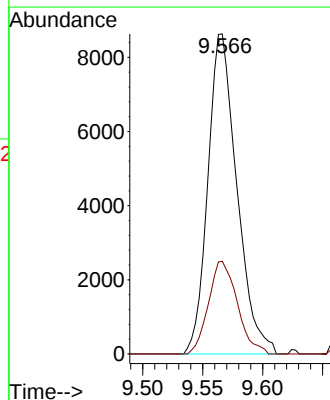
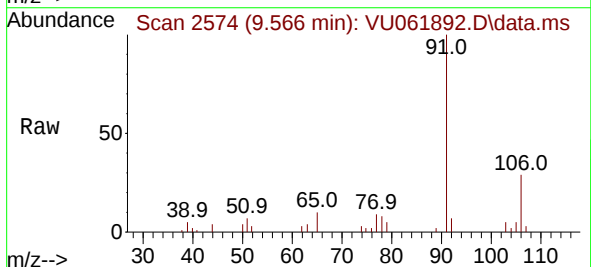
Instrument :
MSVOA_U
ClientSampleId :

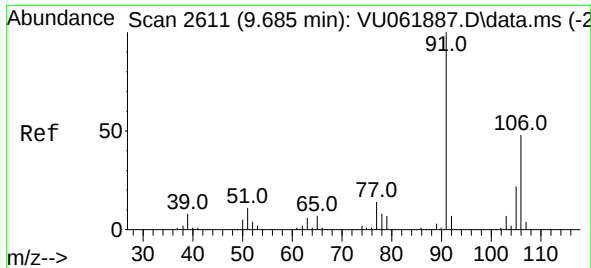
Tgt Ion:112 Resp: 16296
Ion Ratio Lower Upper
112 100
114 32.7 23.0 42.6
77 61.6 50.5 75.7



#52
Ethylbenzene
Concen: 0.208 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

Tgt Ion: 91 Resp: 14528
Ion Ratio Lower Upper
91 100
106 28.9 21.6 40.0

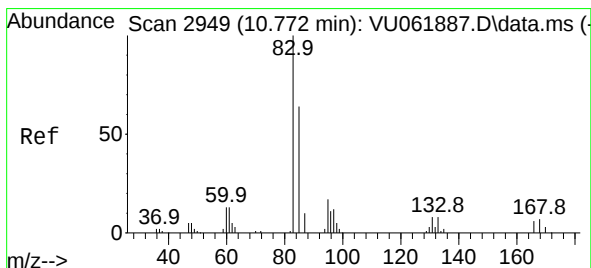
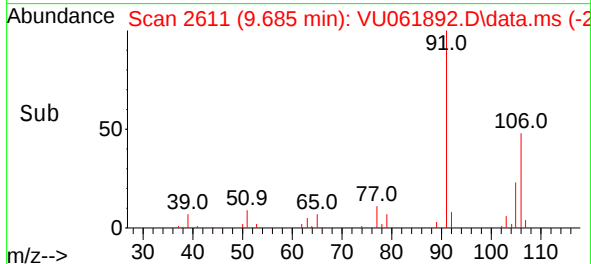
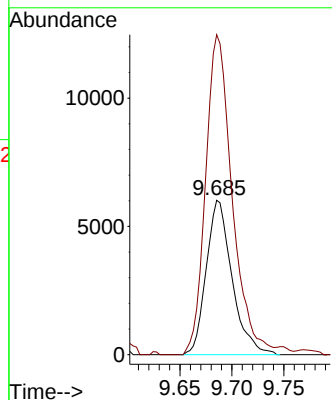
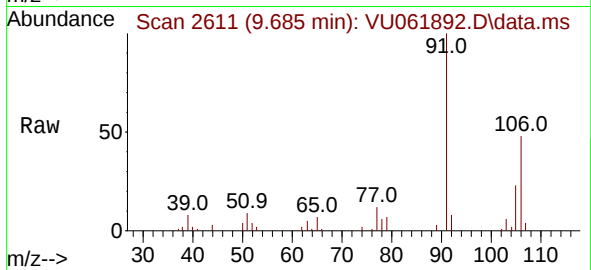




#53
m,p-Xylene
Concen: 0.421 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

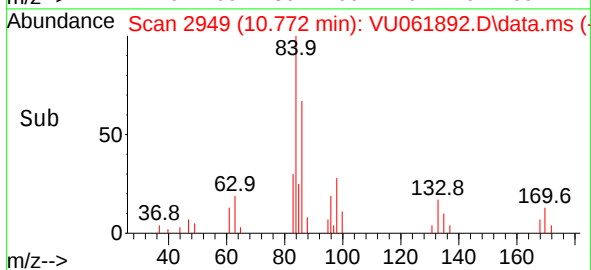
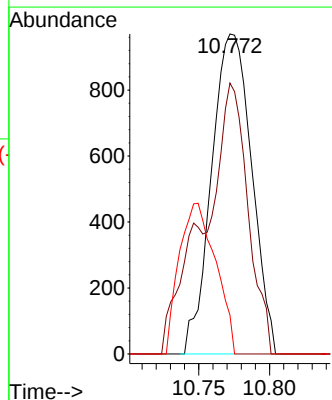
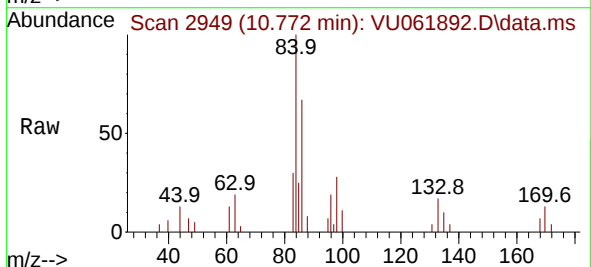
Instrument :
MSVOA_U
ClientSampleId :

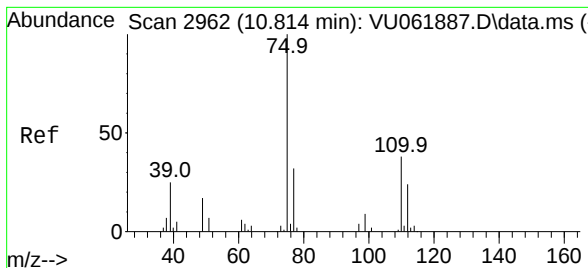
Tgt Ion:106 Resp: 10388
Ion Ratio Lower Upper
106 100
91 207.3 147.6 274.0



#57
1,1,2,2-Tetrachloroethane
Concen: 0.140 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU061892.D
Acq: 21 Nov 2024 03:13

Tgt Ion: 83 Resp: 1911
Ion Ratio Lower Upper
83 100
85 84.6 44.4 82.4#
131 12.2 7.3 10.9#





#61

1,2,3-Trichloropropane

Concen: 1.201 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.994 min

Lab File: VU061892.D

Acq: 21 Nov 2024 03:13

Instrument :

MSVOA_U

ClientSampleId :

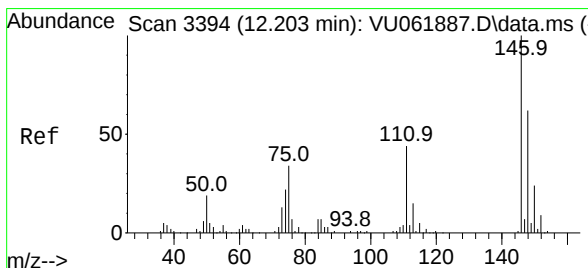
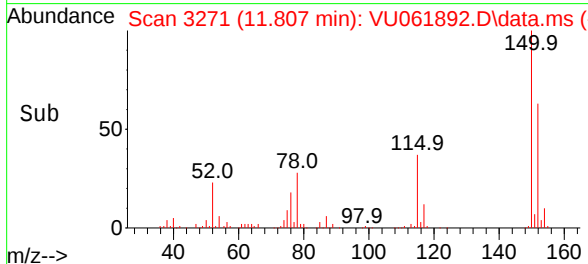
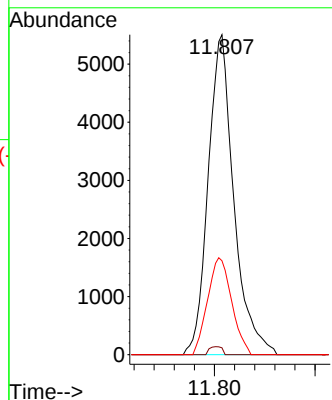
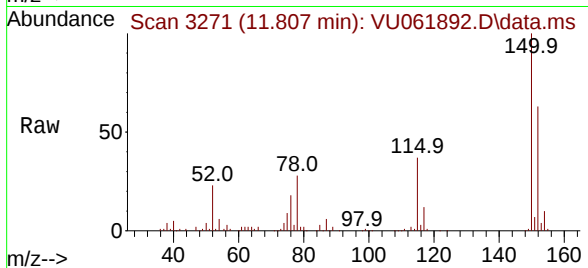
Tgt Ion: 75 Resp: 9753

Ion Ratio Lower Upper

75 100

110 1.2 28.9 43.3#

77 28.4 26.5 39.7



#67

1,2-Dichlorobenzene

Concen: 0.427 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU061892.D

Acq: 21 Nov 2024 03:13

Tgt Ion:146 Resp: 9033

Ion Ratio Lower Upper

146 100

111 46.0 36.0 54.0

148 63.7 52.3 78.5

