

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112024\
 Data File : VU061891.D
 Acq On : 21 Nov 2024 02:48
 Operator : MD/SY
 Sample : P4885-11
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 03:32:24 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	6.239	114	181778	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	171952	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72648	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53492	5.999	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.000%
7) Chloroethane-d5	1.904	69	42922	5.442	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.557	65	23949	6.723	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	134.400%#
20) 2-Butanone-d5	4.612	46	128973	46.062	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.120%
24) Chloroform-d	5.052	84	105221	4.837	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.692	65	55952	4.998	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.718	84	207951	6.207	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.200%
36) 1,2-Dichloropropane-d6	6.679	67	66101	5.807	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.200%
41) Toluene-d8	7.891	98	208059	7.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	149.000%#
43) trans-1,3-Dichloroprop...	8.174	79	24217	5.746	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.000%
46) 2-Hexanone-d5	8.624	63	83293	43.301	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.600%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	51433	4.521	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	56572	5.266	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	7066	0.539	ug/L	95
16) Methylene chloride	3.036	84	31275	2.137	ug/L	95
18) trans-1,2-Dichloroethene	3.345	96	39674	3.079	ug/L	93
22) cis-1,2-Dichloroethene	4.657	96	32044	2.209	ug/L	97
27) 1,2-Dichloroethane	5.798	62	4626	0.274	ug/L	96
29) 1,1,1-Trichloroethane	5.306	97	51648	2.606	ug/L	99
31) Carbon tetrachloride	5.309	117	6395	0.380	ug/L	99
34) Trichloroethene	6.531	95	185275	13.368	ug/L	98
35) Methylcyclohexane	6.682	83	15464	0.729	ug/L #	20
37) 1,2-Dichloropropane	6.682	63	7462	0.553	ug/L #	87
42) Toluene	7.962	91	47140	0.865	ug/L	97
45) 1,1,2-Trichloroethane	8.537	97	996	0.100	ug/L #	1
47) Tetrachloroethene	8.544	164	104217	10.339	ug/L	98
49) Dibromochloromethane	8.544	129	106668	10.159	ug/L #	13
51) Chlorobenzene	9.441	112	18210	0.488	ug/L	98
52) Ethylbenzene	9.566	91	16623	0.255	ug/L	96
53) m,p-Xylene	9.685	106	11862	0.515	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.772	83	2126	0.167	ug/L #	87
61) 1,2,3-Trichloropropane	11.804	75	9817	1.169	ug/L #	67

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Misc : 25mL/MSVOA_U/WATER
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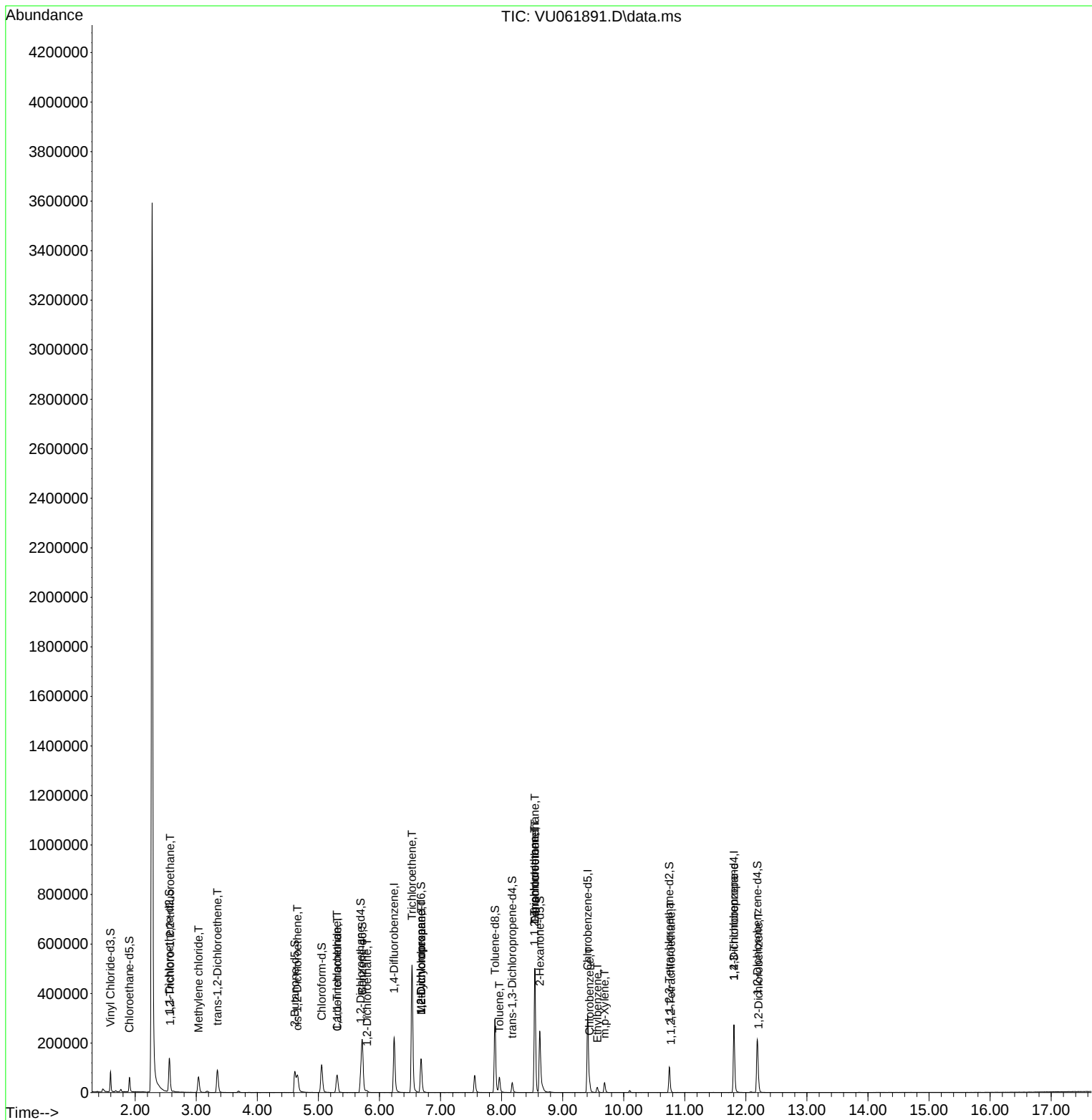
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MSVOA_U
ClientSampleId :

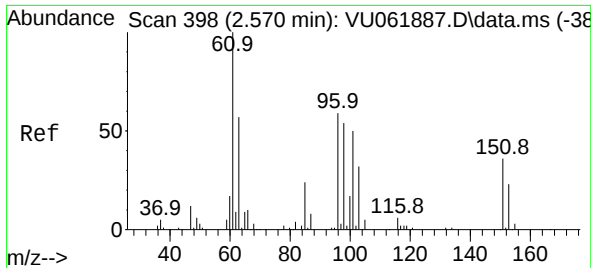
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 03:29:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.206	146	12001	0.549	ug/L	94

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

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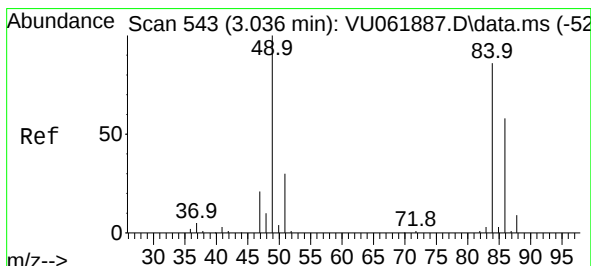
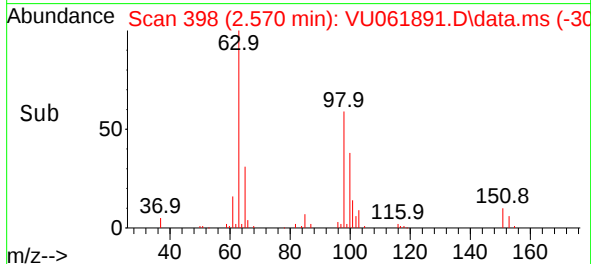
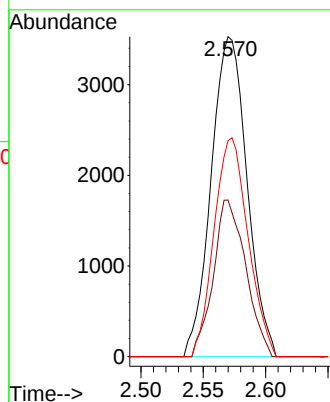
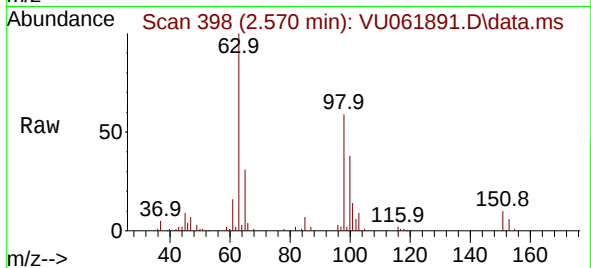




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.539 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

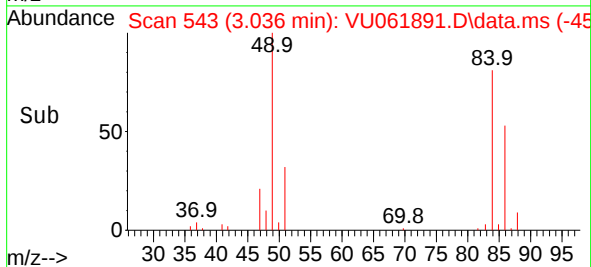
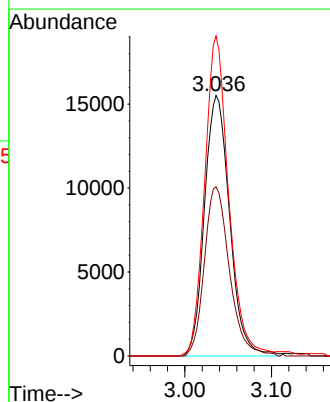
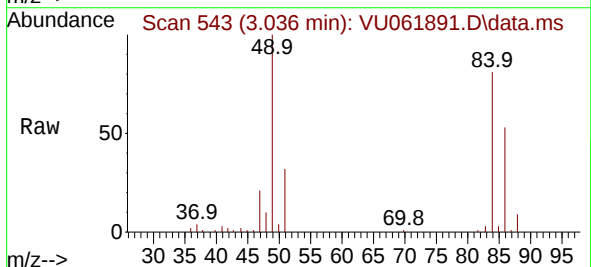
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MSVOA_U
ClientSampleId :

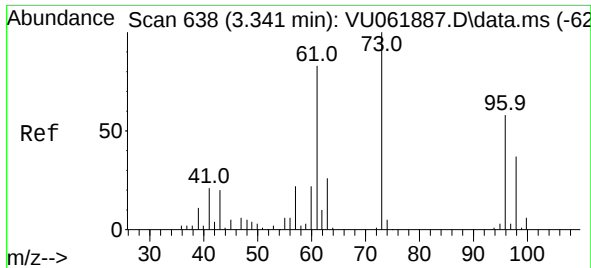
Tgt Ion:101 Resp: 7066
Ion Ratio Lower Upper
101 100
85 44.2 38.0 57.0
151 64.9 55.3 82.9



#16
Methylene chloride
Concen: 2.137 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

Tgt Ion: 84 Resp: 31275
Ion Ratio Lower Upper
84 100
86 64.9 43.5 80.7
49 122.8 81.9 152.1

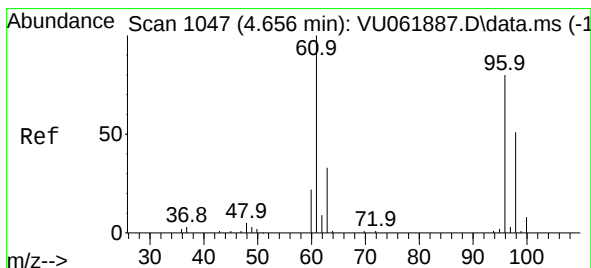
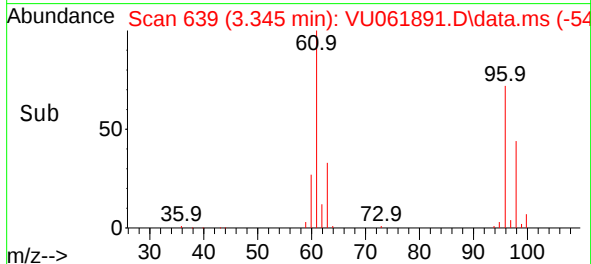
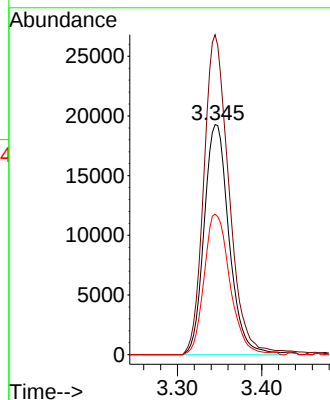
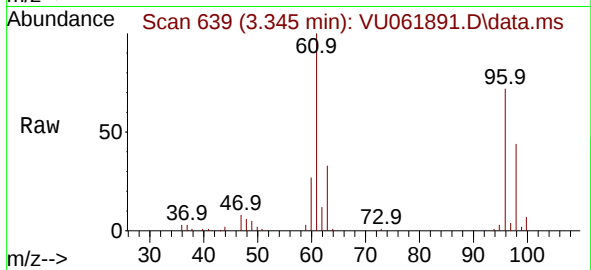




#18
trans-1,2-Dichloroethene
Concen: 3.079 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

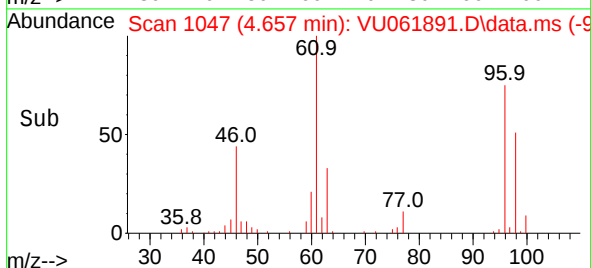
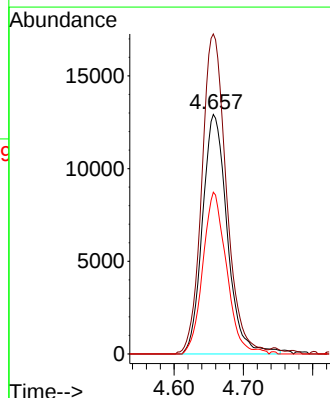
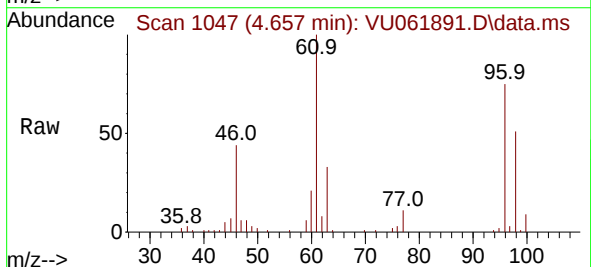
Instrument :
MSVOA_U
ClientSampleId :

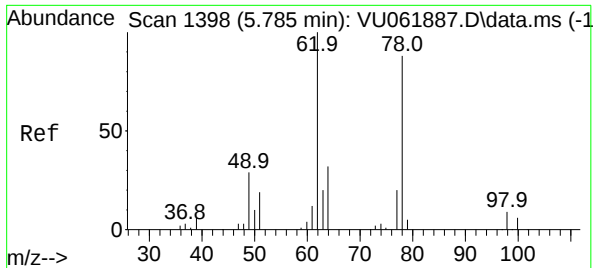
Tgt Ion: 96 Resp: 39674
Ion Ratio Lower Upper
96 100
61 139.1 104.2 193.4
98 61.1 45.7 84.9



#22
cis-1,2-Dichloroethene
Concen: 2.209 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

Tgt Ion: 96 Resp: 32044
Ion Ratio Lower Upper
96 100
61 133.6 92.0 170.8
98 67.5 44.5 82.7

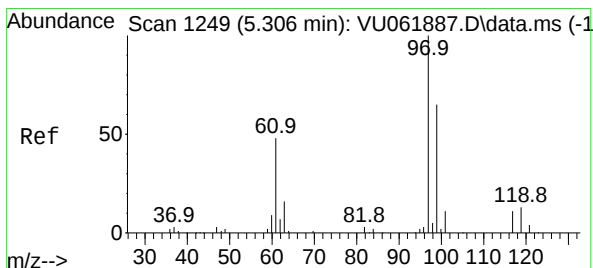
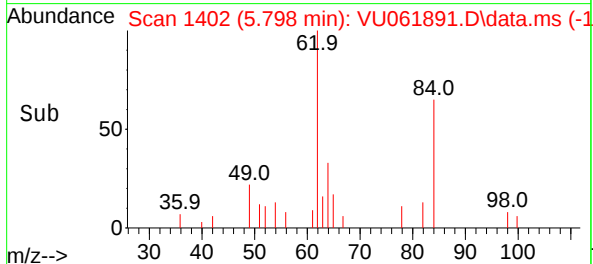
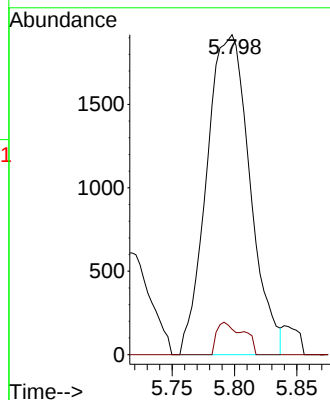
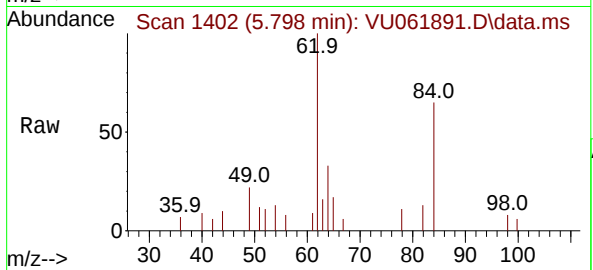




#27
1,2-Dichloroethane
Concen: 0.274 ug/L
RT: 5.798 min Scan# 1402
Delta R.T. 0.013 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

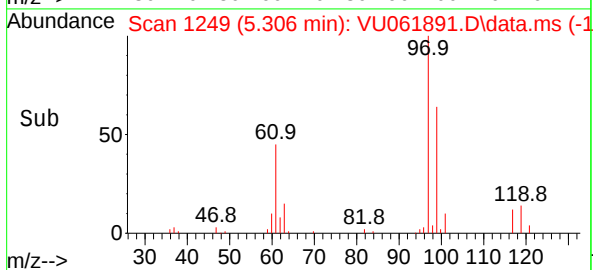
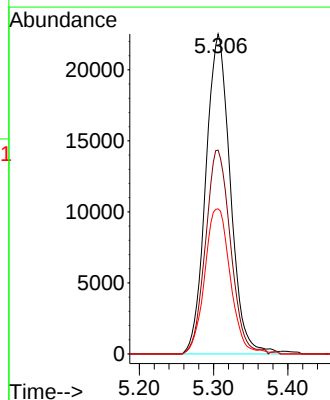
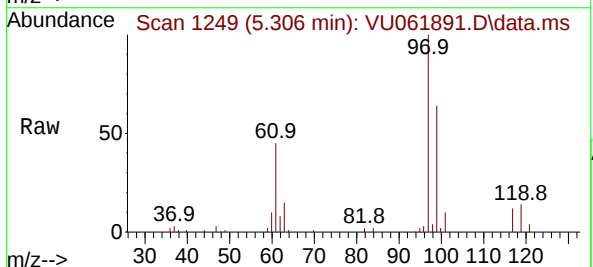
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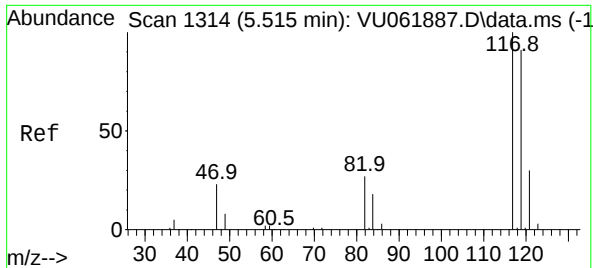
Tgt Ion: 62 Resp: 4626
Ion Ratio Lower Upper
62 100
98 7.9 7.4 11.0



#29
1,1,1-Trichloroethane
Concen: 2.606 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

Tgt Ion: 97 Resp: 51648
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 47.4 37.8 56.6

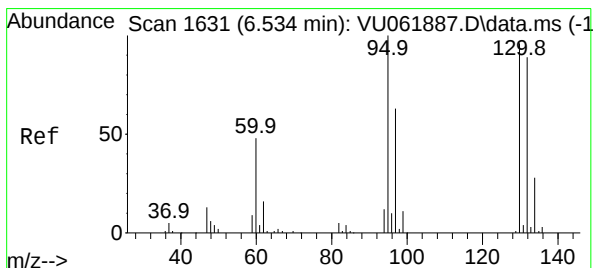
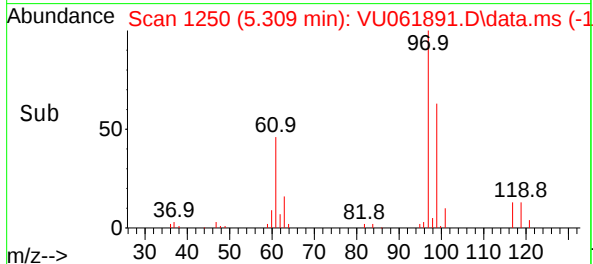
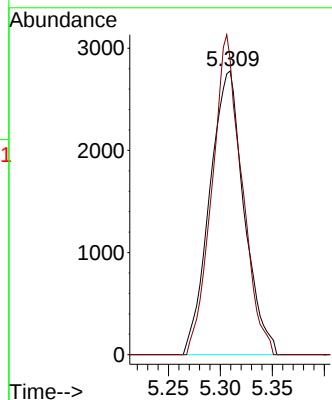
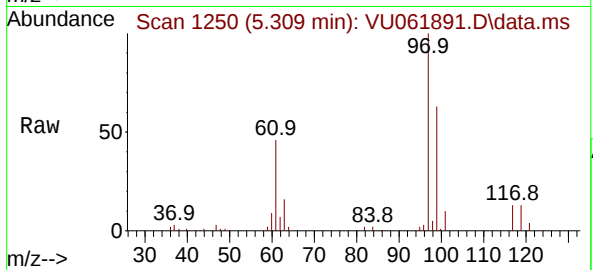




#31
Carbon tetrachloride
Concen: 0.380 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

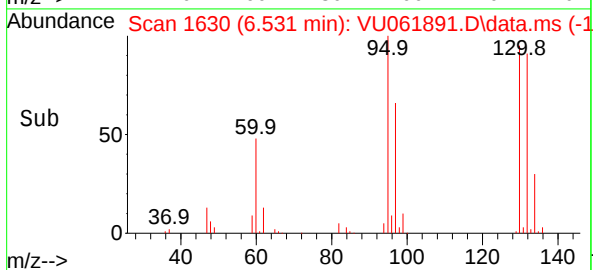
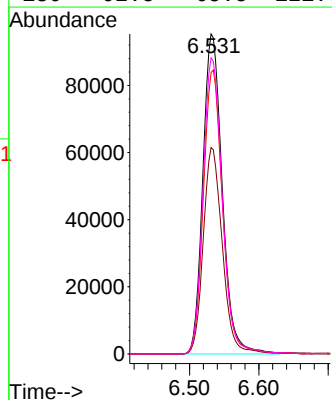
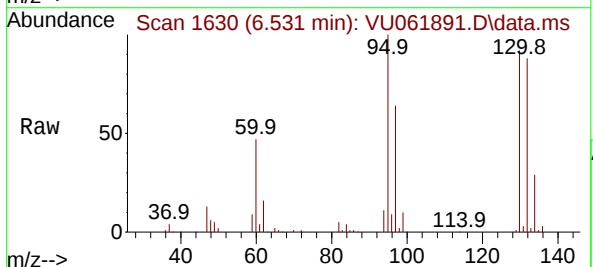
Instrument :
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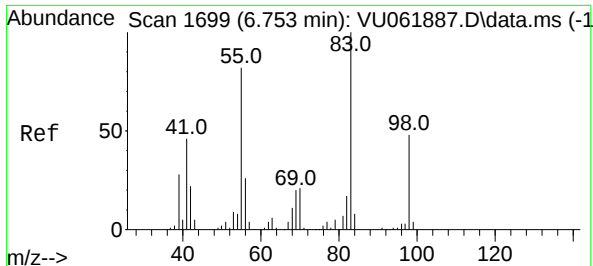
Tgt Ion:117 Resp: 6395
Ion Ratio Lower Upper
117 100
119 97.8 77.5 116.3



#34
Trichloroethene
Concen: 13.368 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

Tgt Ion: 95 Resp: 185275
Ion Ratio Lower Upper
95 100
97 64.5 45.9 85.3
132 87.9 63.8 118.4
130 92.5 65.5 121.7

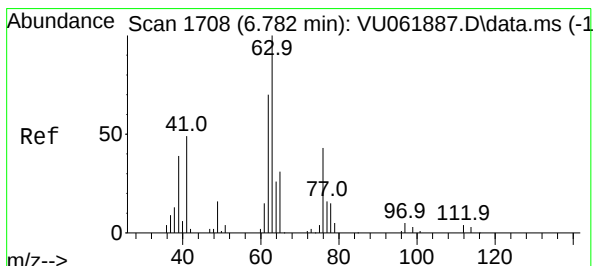
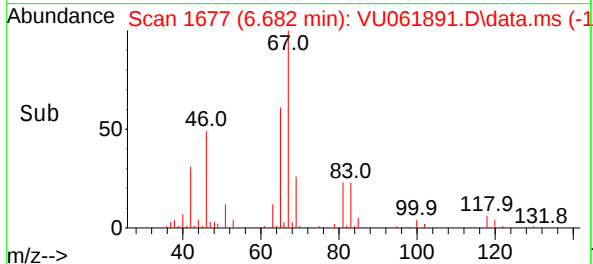
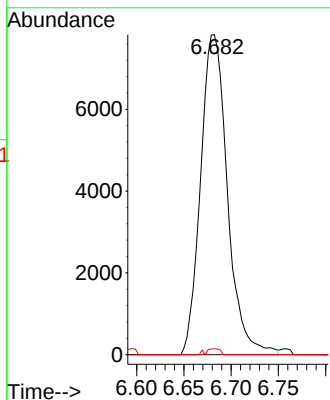
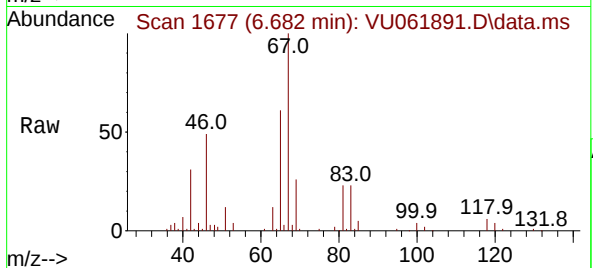




#35
Methylcyclohexane
Concen: 0.729 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.071 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

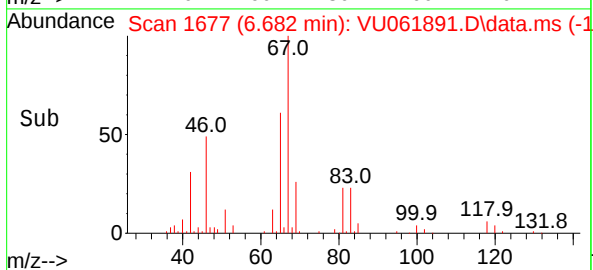
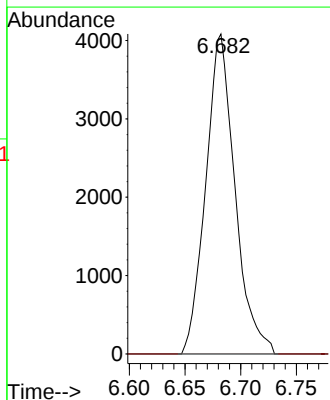
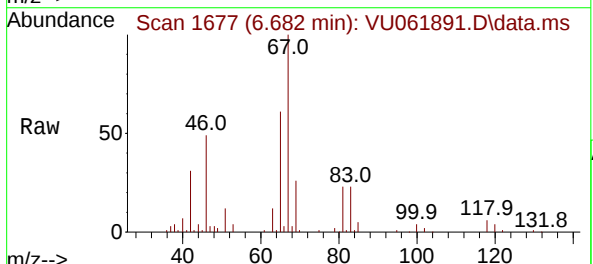
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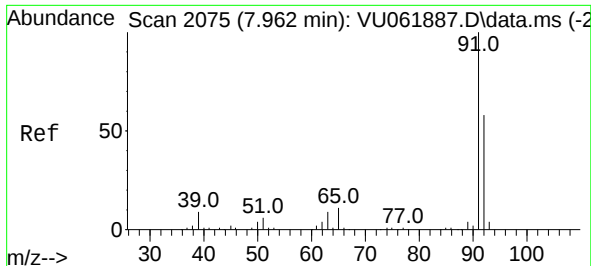
Tgt Ion: 83 Resp: 15464
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 1.0 34.8 52.2#



#37
1,2-Dichloropropane
Concen: 0.553 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

Tgt Ion: 63 Resp: 7462
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#42

Toluene

Concen: 0.865 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061891.D

Acq: 21 Nov 2024 02:48

Instrument :

MSVOA_U

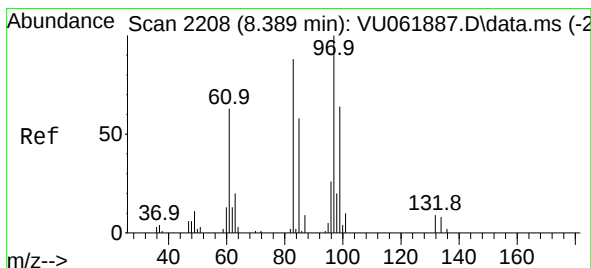
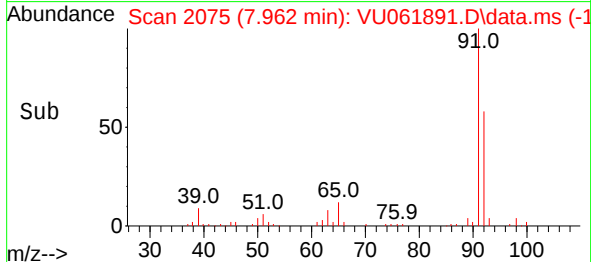
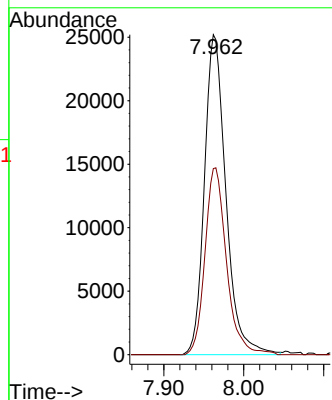
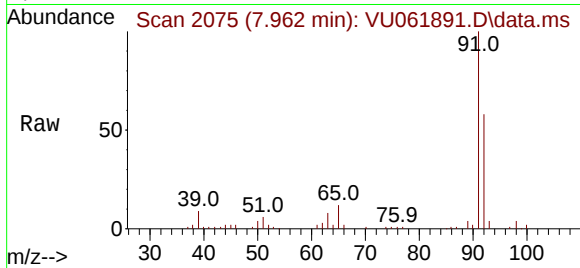
ClientSampleId :

Tgt Ion: 91 Resp: 47140

Ion Ratio Lower Upper

91 100

92 58.1 39.0 72.4



#45

1,1,2-Trichloroethane

Concen: 0.100 ug/L

RT: 8.537 min Scan# 2254

Delta R.T. 0.148 min

Lab File: VU061891.D

Acq: 21 Nov 2024 02:48

Tgt Ion: 97 Resp: 996

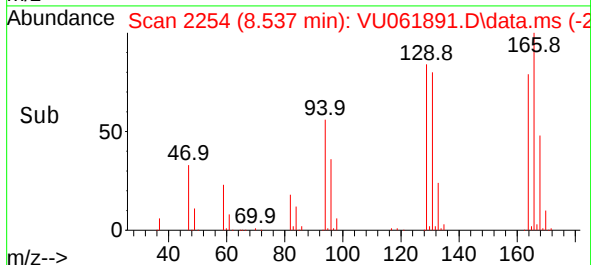
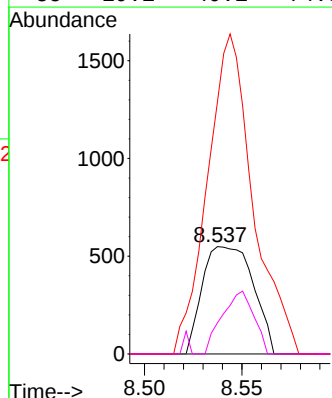
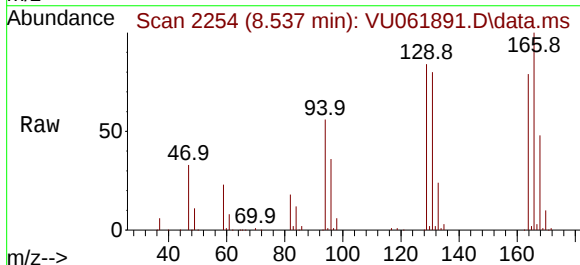
Ion Ratio Lower Upper

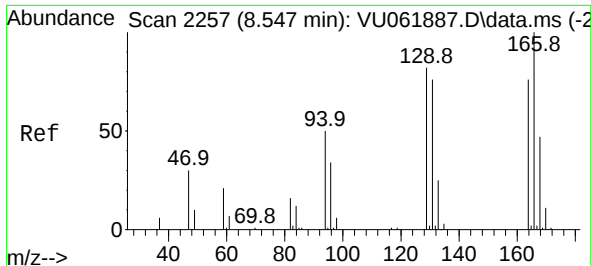
97 100

99 0.0 43.0 79.8#

83 235.2 61.7 114.5#

85 29.1 40.1 74.5#





#47

Tetrachloroethene

Concen: 10.339 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU061891.D

Acq: 21 Nov 2024 02:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 104217

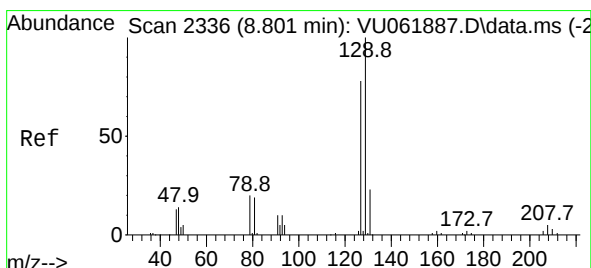
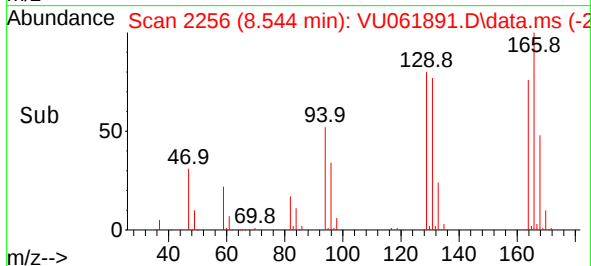
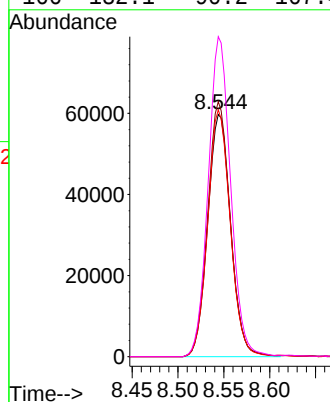
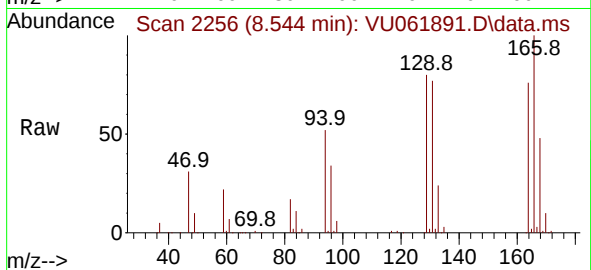
Ion Ratio Lower Upper

164 100

129 105.3 73.2 136.0

131 101.9 72.3 134.3

166 132.1 90.2 167.4



#49

Dibromochloromethane

Concen: 10.159 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.257 min

Lab File: VU061891.D

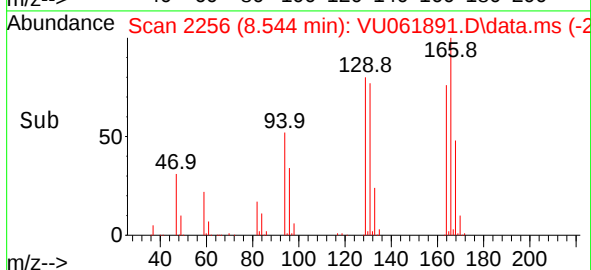
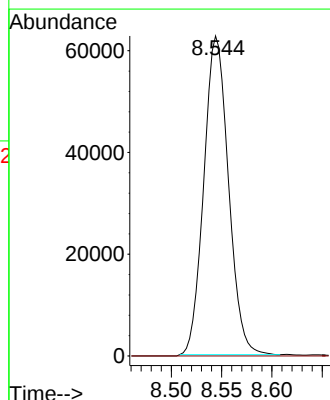
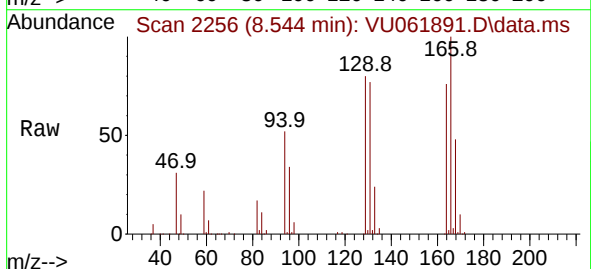
Acq: 21 Nov 2024 02:48

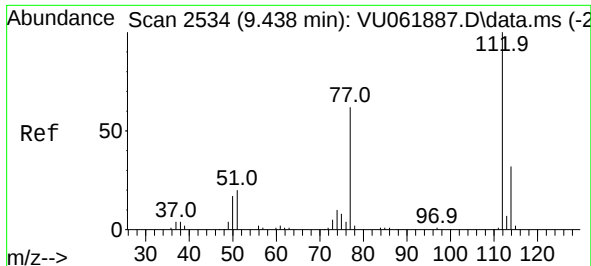
Tgt Ion:129 Resp: 106668

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#

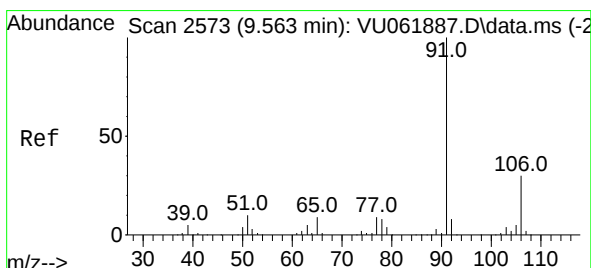
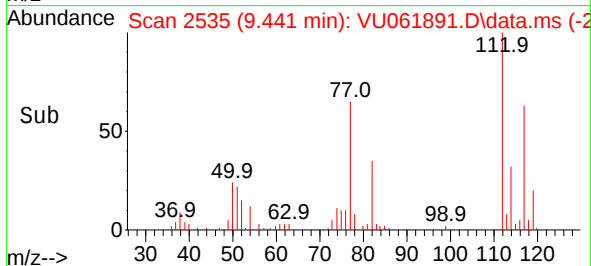
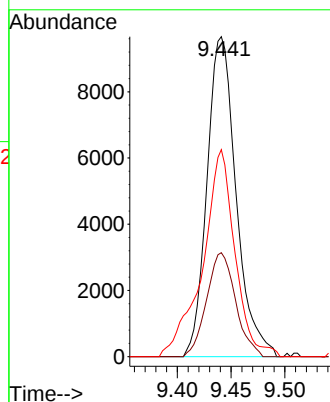
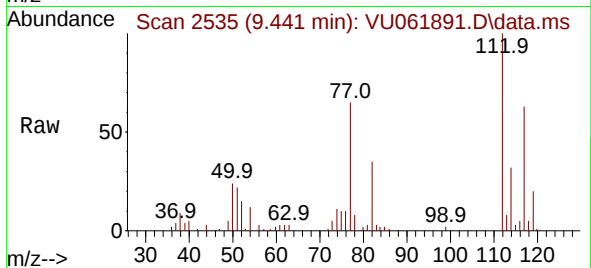




#51
Chlorobenzene
Concen: 0.488 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

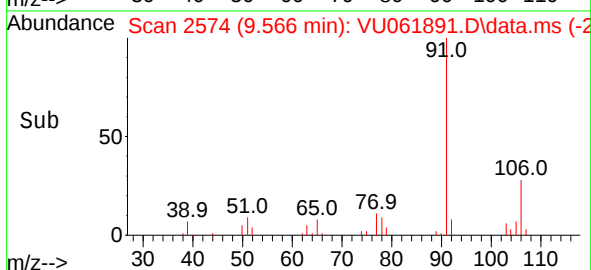
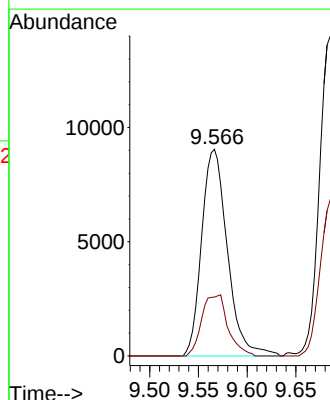
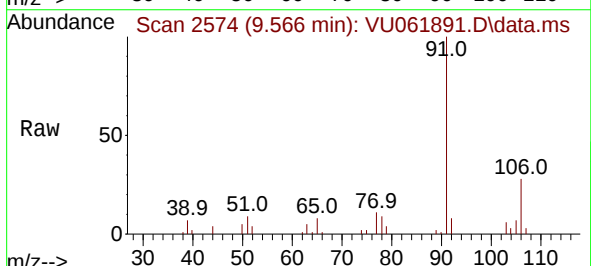
Instrument :
MSVOA_U
ClientSampleId :

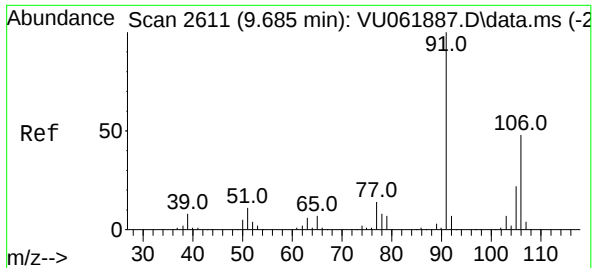
Tgt Ion:112 Resp: 18210
Ion Ratio Lower Upper
112 100
114 32.5 23.0 42.6
77 64.7 50.5 75.7



#52
Ethylbenzene
Concen: 0.255 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

Tgt Ion: 91 Resp: 16623
Ion Ratio Lower Upper
91 100
106 28.5 21.6 40.0

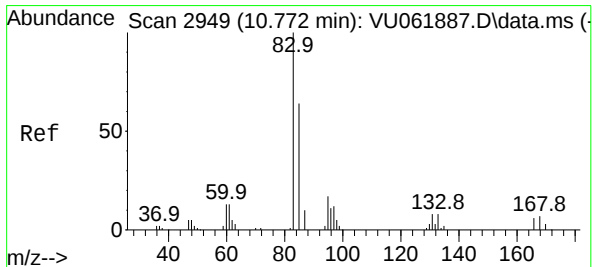
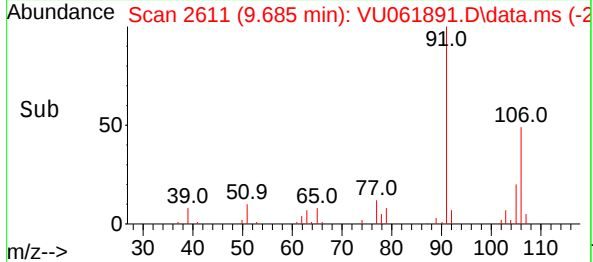
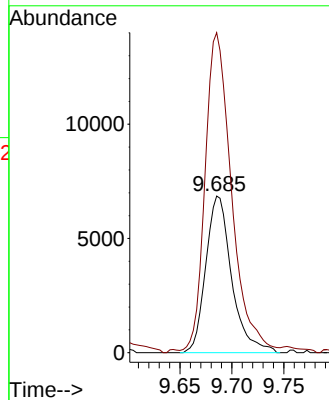
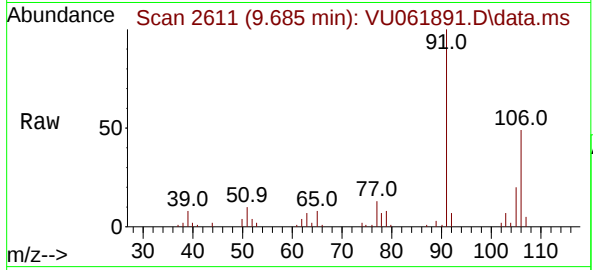




#53
m,p-Xylene
Concen: 0.515 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

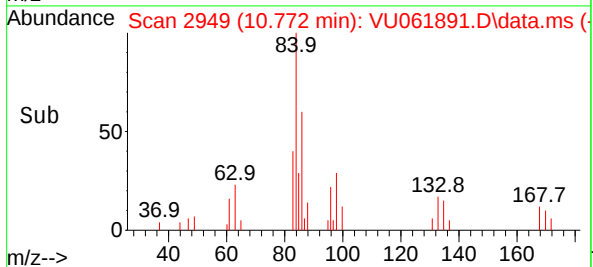
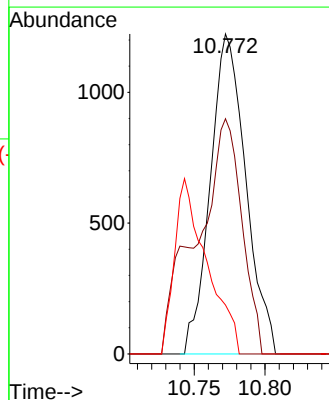
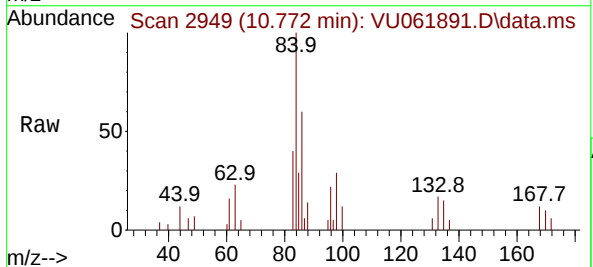
Instrument :
MSVOA_U
ClientSampleId :

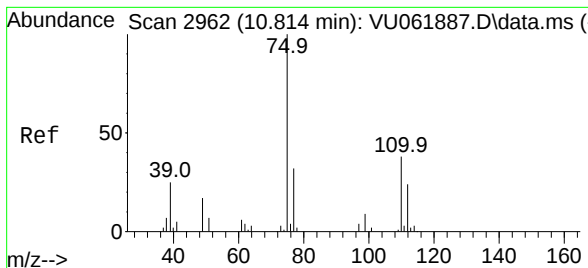
Tgt Ion:106 Resp: 11862
Ion Ratio Lower Upper
106 100
91 204.3 147.6 274.0



#57
1,1,2,2-Tetrachloroethane
Concen: 0.167 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU061891.D
Acq: 21 Nov 2024 02:48

Tgt Ion: 83 Resp: 2126
Ion Ratio Lower Upper
83 100
85 73.5 44.4 82.4
131 15.3 7.3 10.9#





#61

1,2,3-Trichloropropane

Concen: 1.169 ug/L

RT: 11.804 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU061891.D

Acq: 21 Nov 2024 02:48

Instrument :

MSVOA_U

ClientSampleId :

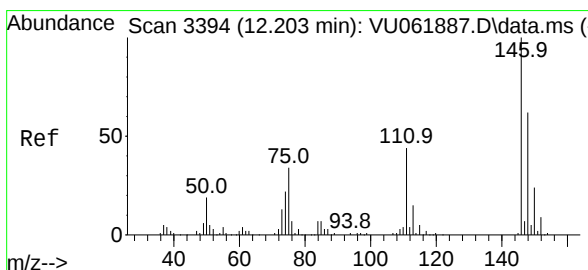
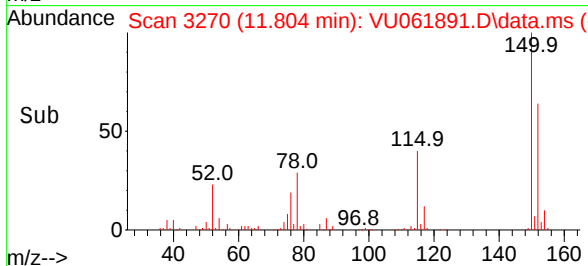
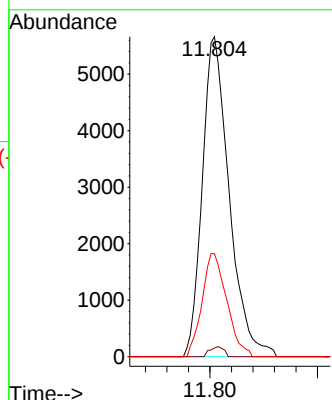
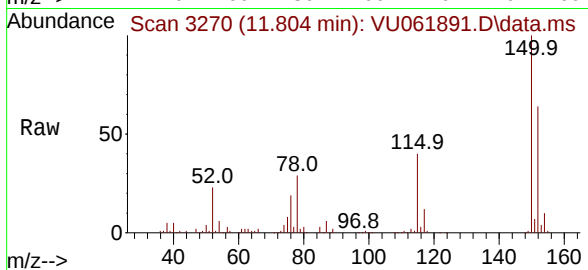
Tgt Ion: 75 Resp: 9817

Ion Ratio Lower Upper

75 100

110 1.6 28.9 43.3#

77 29.6 26.5 39.7



#67

1,2-Dichlorobenzene

Concen: 0.549 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU061891.D

Acq: 21 Nov 2024 02:48

Tgt Ion:146 Resp: 12001

Ion Ratio Lower Upper

146 100

111 50.0 36.0 54.0

148 61.6 52.3 78.5

