

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060899.D
 Acq On : 19 Sep 2024 15:31
 Operator : MD/SY
 Sample : P3952-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 19 23:58:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 23:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	134975	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	144996	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	59885	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34420	2.835	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.800%
7) Chloroethane-d5	1.911	69	31707	3.668	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.560	65	14060	3.268	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.634	46	79992	41.044	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.080%
24) Chloroform-d	5.055	84	76124	4.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.695	65	38838	4.378	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.721	84	142435	3.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
36) 1,2-Dichloropropane-d6	6.685	67	48295	4.017	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.400%
41) Toluene-d8	7.891	98	120197	3.392	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.800%#
43) trans-1,3-Dichloroprop...	8.177	79	15106	3.490	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.800%
46) 2-Hexanone-d5	8.627	63	69358	40.623	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.240%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	39153	4.156	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	43199	4.293	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	7003	0.687	ug/L	99
5) Vinyl chloride	1.602	62	5336	0.458	ug/L	83
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	4480	0.482	ug/L	86
12) 1,1-Dichloroethene	2.576	96	23740	2.796	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	4677	0.244	ug/L #	89
19) 1,1-Dichloroethane	3.862	63	49856	2.822	ug/L	94
22) cis-1,2-Dichloroethene	4.656	96	395325	40.601	ug/L	96
25) Chloroform	5.081	83	18597	1.010	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	10740	0.686	ug/L	94
31) Carbon tetrachloride	5.515	117	3644	0.263	ug/L	91
33) Benzene	5.769	78	5662	0.142	ug/L	100
34) Trichloroethene	6.534	95	721270	69.011	ug/L	95
35) Methylcyclohexane	6.682	83	11703	0.816	ug/L #	17
47) Tetrachloroethene	8.547	164	78263	9.423	ug/L	98
49) Dibromochloromethane	8.547	129	73153	8.102	ug/L #	9
61) 1,2,3-Trichloropropane	11.807	75	6406	1.147	ug/L #	64

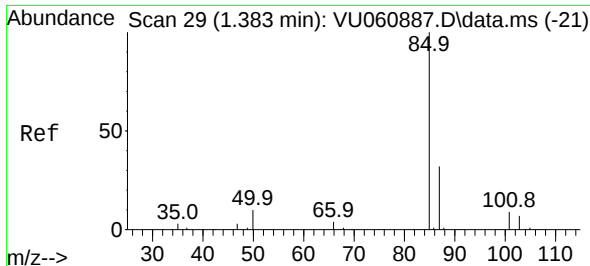
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :

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MSVOA_U
ClientSampleId :

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MSVOA_U
ClientSampleId :

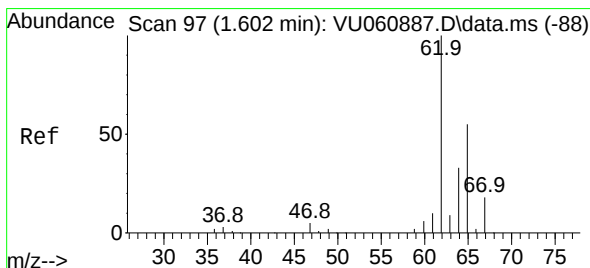
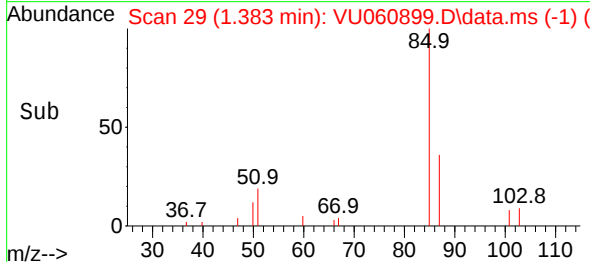
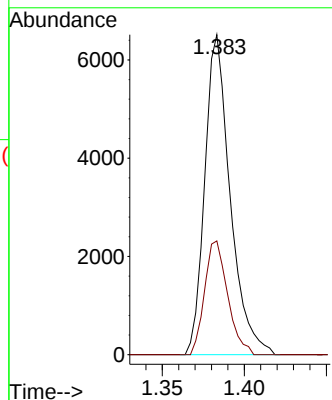
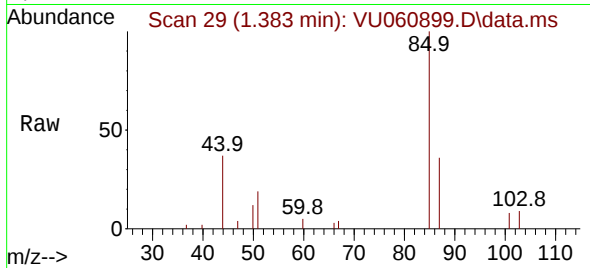




#2
Dichlorodifluoromethane
Concen: 0.687 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

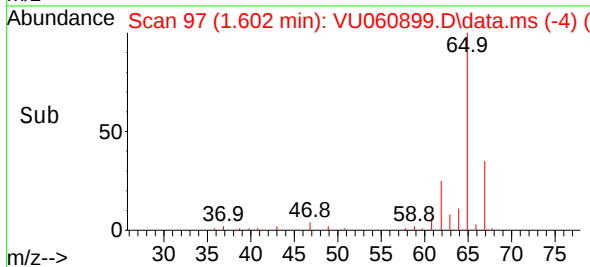
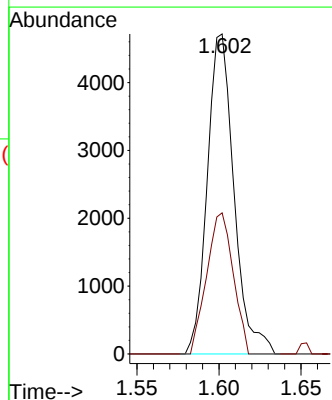
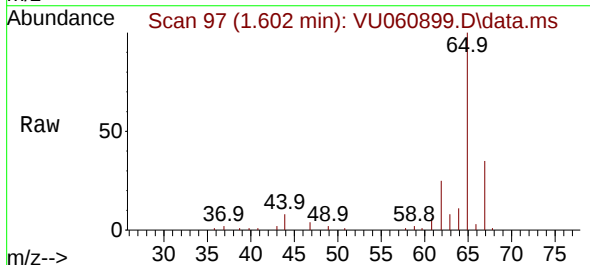
Instrument :
MSVOA_U
ClientSampleId :

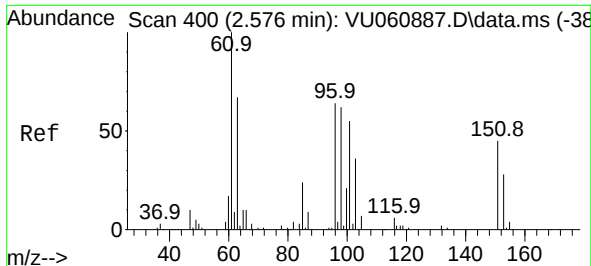
Tgt Ion: 85 Resp: 7003
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.2



#5
Vinyl chloride
Concen: 0.458 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Tgt Ion: 62 Resp: 5336
Ion Ratio Lower Upper
62 100
64 44.1 24.0 44.6

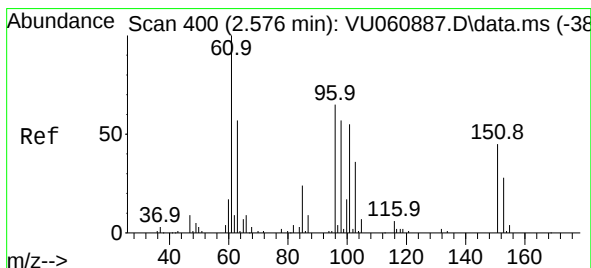
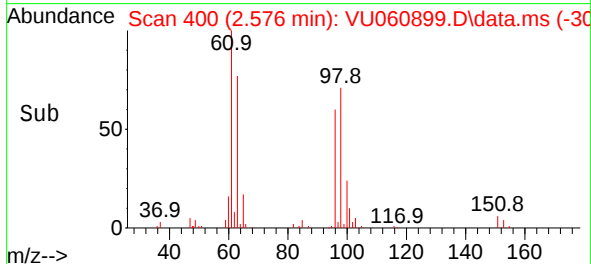
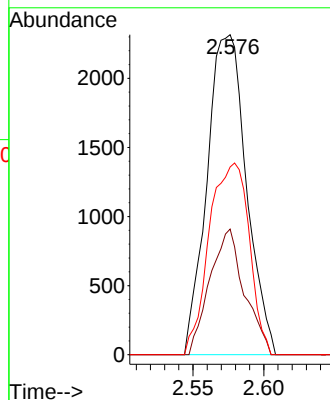
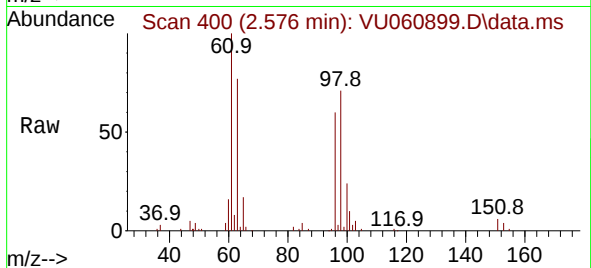




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.482 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU060899.D
 Acq: 19 Sep 2024 15:31

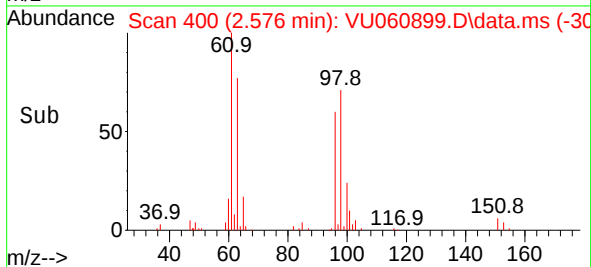
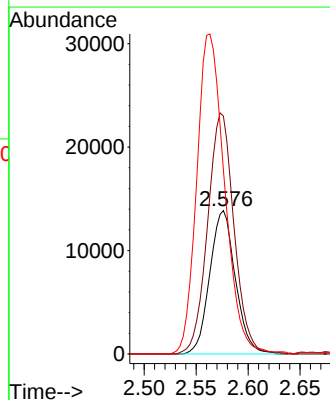
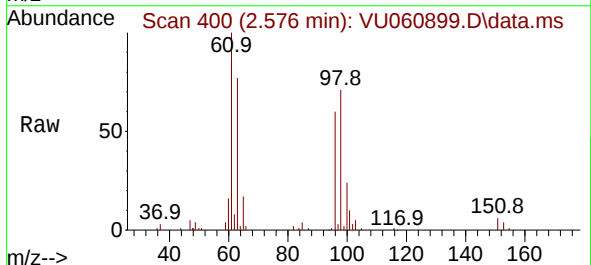
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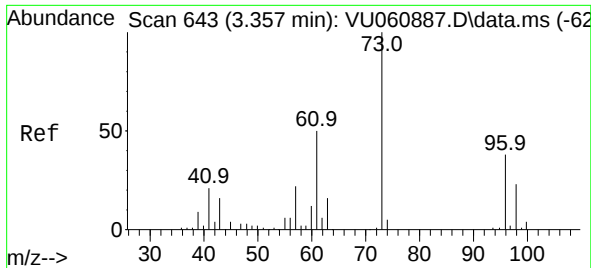
Tgt Ion:101 Resp: 4480
 Ion Ratio Lower Upper
 101 100
 85 34.5 34.2 51.4
 151 60.8 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 2.796 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU060899.D
 Acq: 19 Sep 2024 15:31

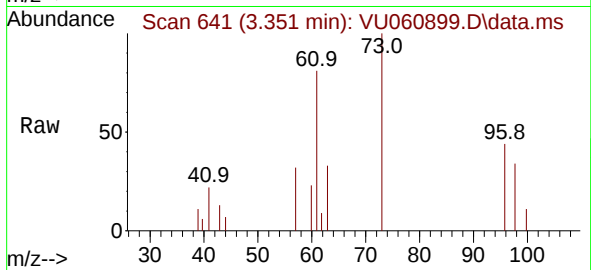
Tgt Ion: 96 Resp: 23740
 Ion Ratio Lower Upper
 96 100
 61 166.0 120.7 224.1
 63 128.3 90.0 167.2



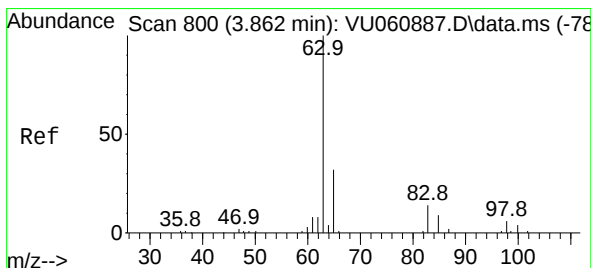
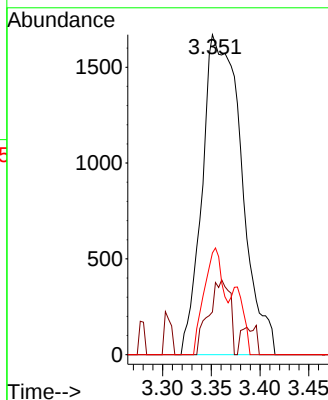
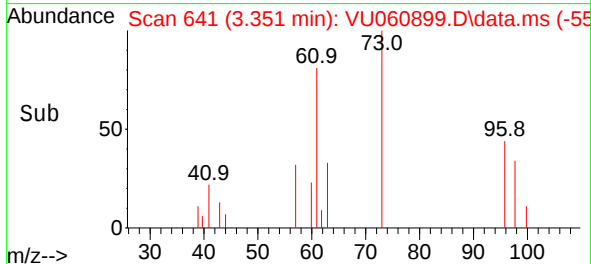


#17
Methyl tert-butyl Ether
Concen: 0.244 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.006 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Instrument :
MSVOA_U
ClientSampleId :

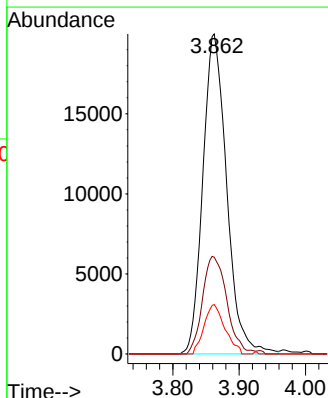
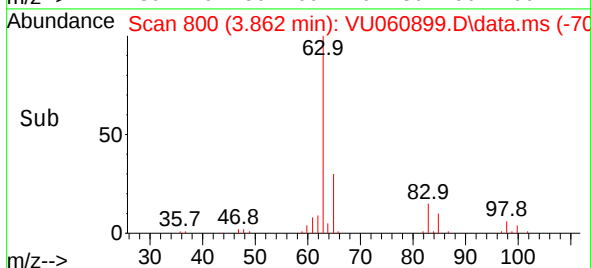
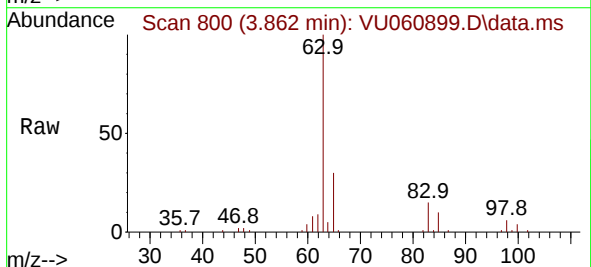


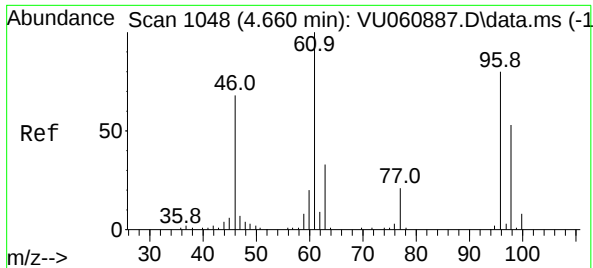
Tgt Ion: 73 Resp: 4677
Ion Ratio Lower Upper
73 100
43 12.6 13.8 20.8#
57 16.7 18.0 27.0#



#19
1,1-Dichloroethane
Concen: 2.822 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Tgt Ion: 63 Resp: 49856
Ion Ratio Lower Upper
63 100
65 29.2 23.0 42.8
83 14.7 9.0 16.6

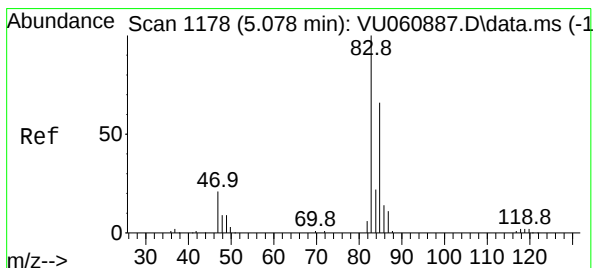
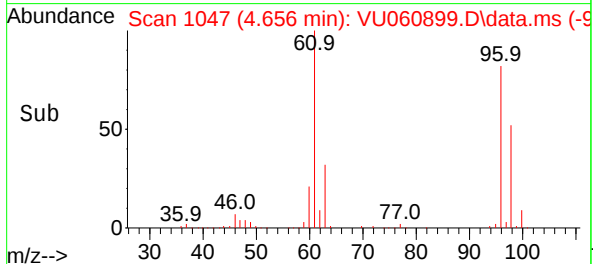
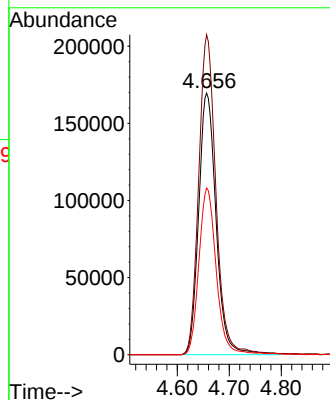
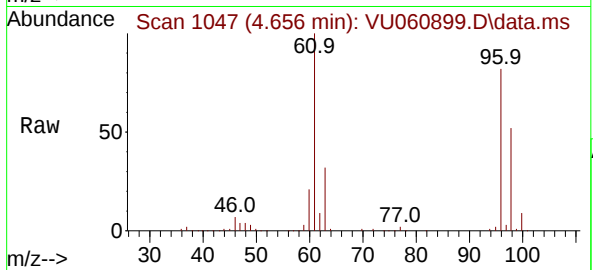




#22
cis-1,2-Dichloroethene
Concen: 40.601 ug/L
RT: 4.656 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

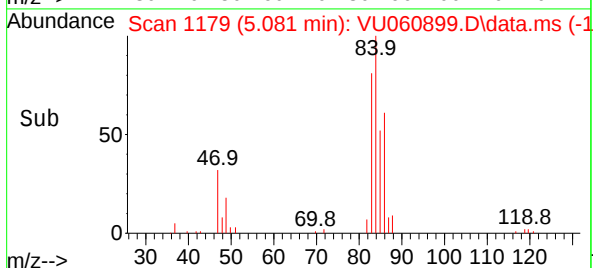
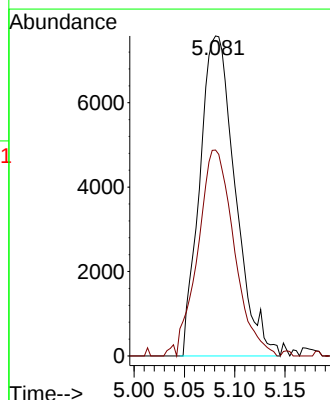
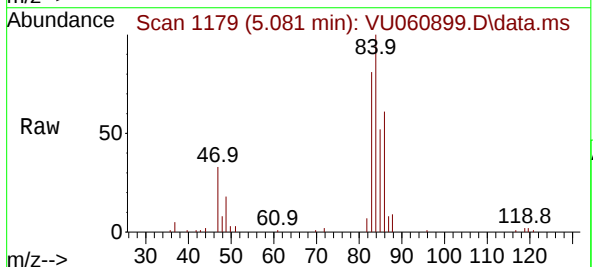
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ClientSampleId :

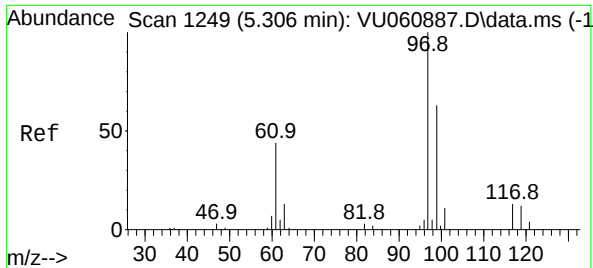
Tgt Ion: 96 Resp: 395325
Ion Ratio Lower Upper
96 100
61 122.3 89.7 166.5
98 63.7 45.1 83.9



#25
Chloroform
Concen: 1.010 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Tgt Ion: 83 Resp: 18597
Ion Ratio Lower Upper
83 100
85 64.3 46.8 86.8

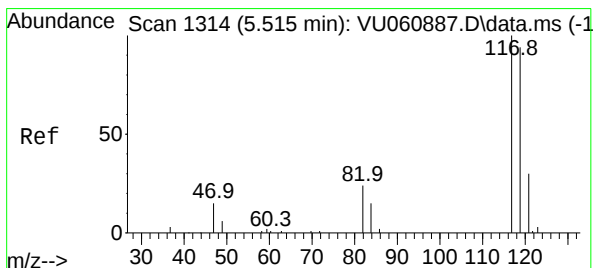
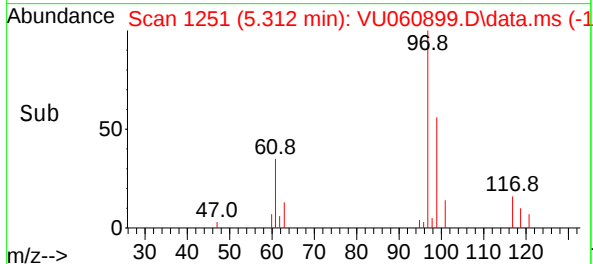
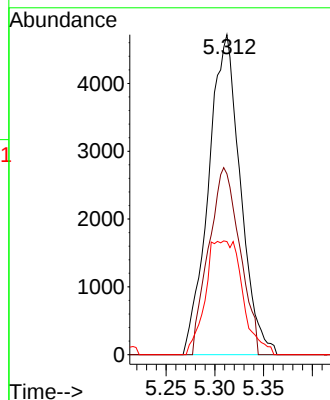
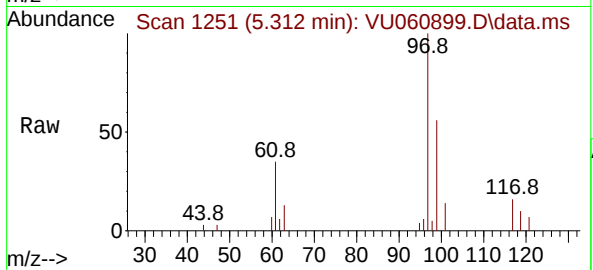




#29
1,1,1-Trichloroethane
Concen: 0.686 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

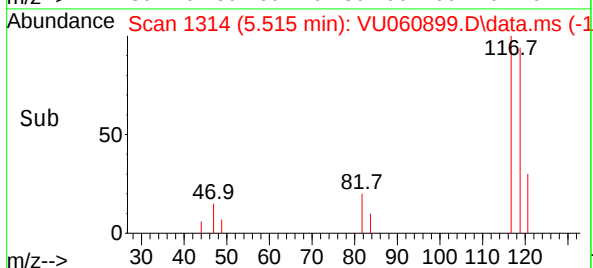
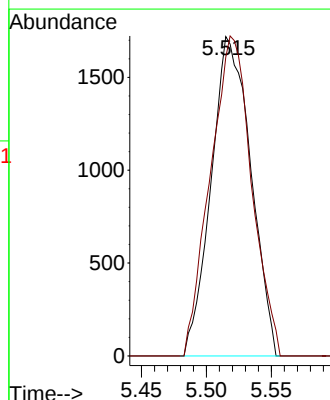
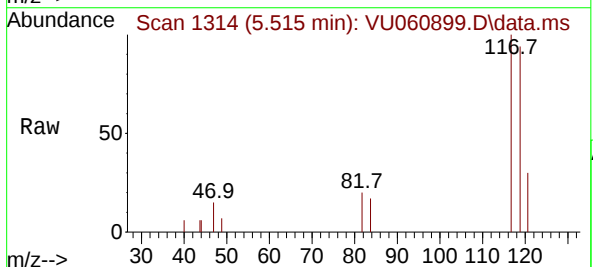
Instrument :
MSVOA_U
ClientSampleId :

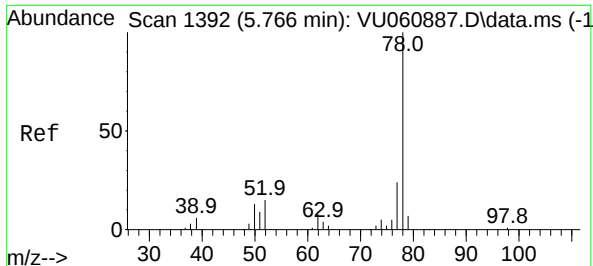
Tgt Ion: 97 Resp: 10740
Ion Ratio Lower Upper
97 100
99 57.0 50.5 75.7
61 41.2 34.4 51.6



#31
Carbon tetrachloride
Concen: 0.263 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Tgt Ion:117 Resp: 3644
Ion Ratio Lower Upper
117 100
119 104.4 76.3 114.5





#33

Benzene

Concen: 0.142 ug/L

RT: 5.769 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VU060899.D

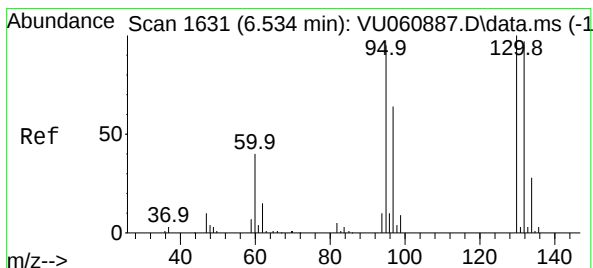
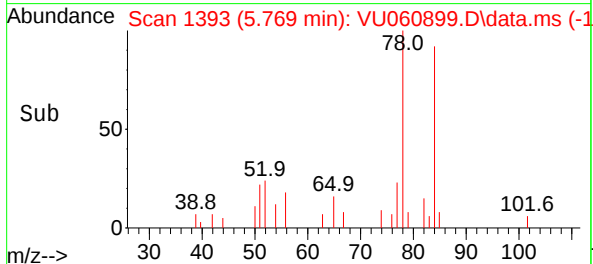
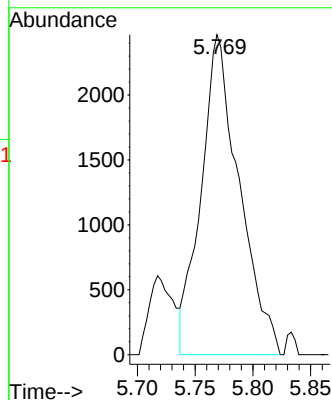
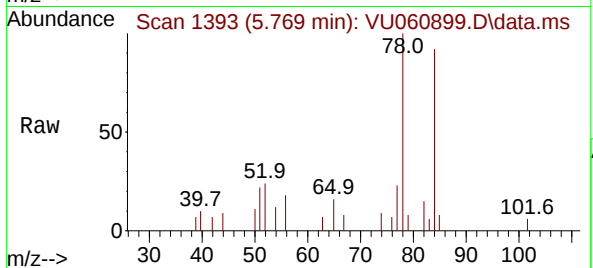
Acq: 19 Sep 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 5662



#34

Trichloroethene

Concen: 69.011 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. 0.000 min

Lab File: VU060899.D

Acq: 19 Sep 2024 15:31

Tgt Ion: 95 Resp: 721270

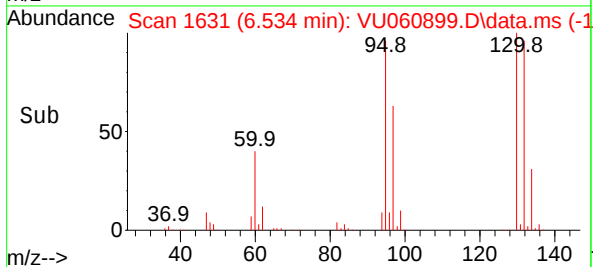
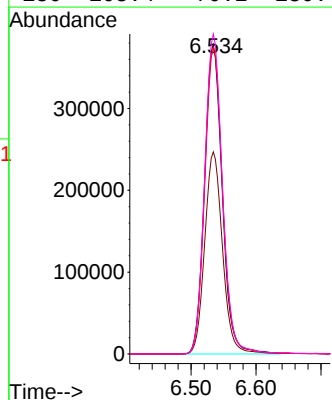
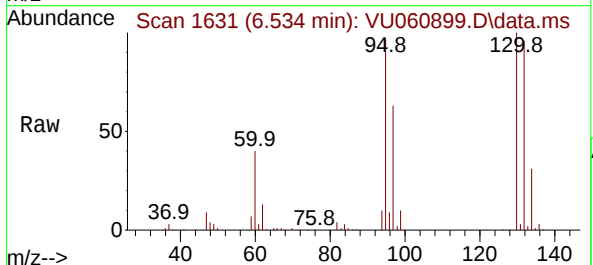
Ion Ratio Lower Upper

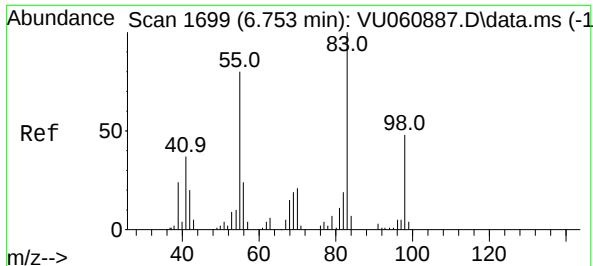
95 100

97 65.3 44.9 83.5

132 99.0 63.5 117.9

130 103.4 70.2 130.4

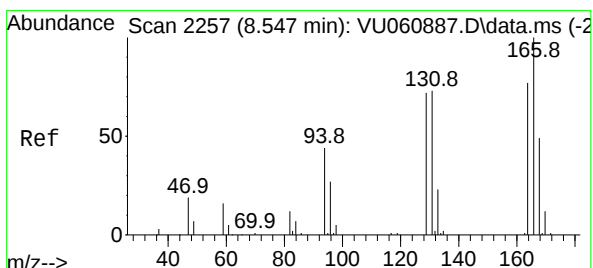
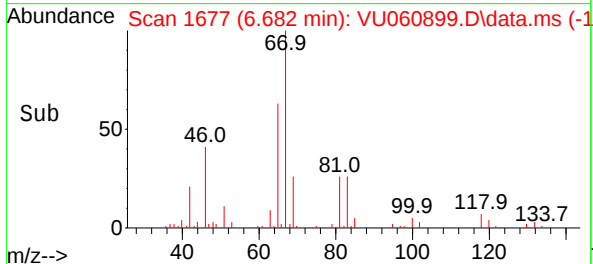
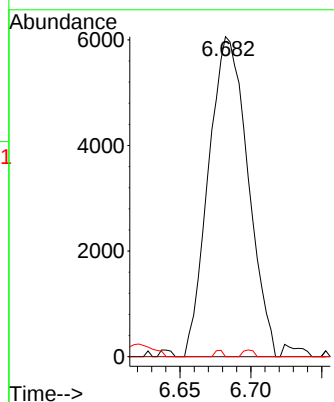
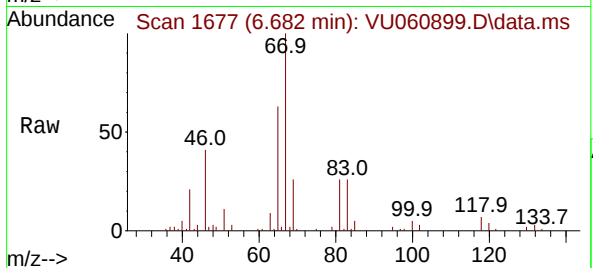




#35
Methylcyclohexane
Concen: 0.816 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.071 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

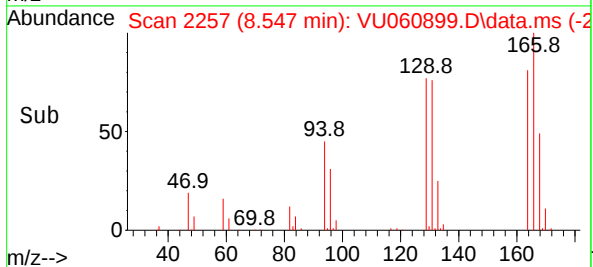
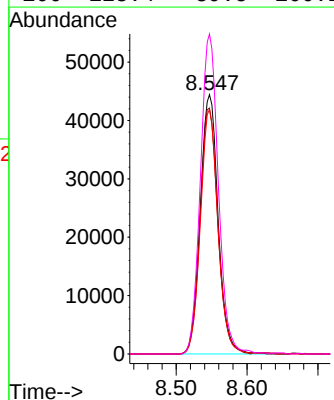
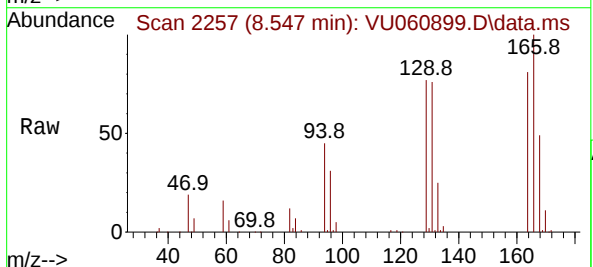
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ClientSampleId :

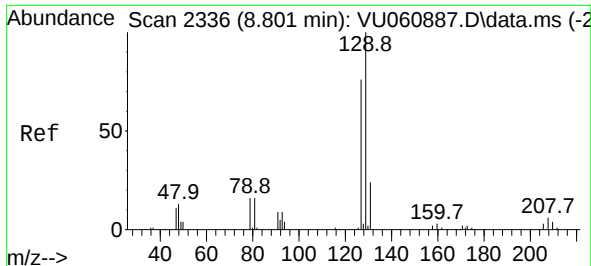
Tgt Ion: 83 Resp: 11703
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 37.6 56.4#



#47
Tetrachloroethene
Concen: 9.423 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU060899.D
Acq: 19 Sep 2024 15:31

Tgt Ion:164 Resp: 78263
Ion Ratio Lower Upper
164 100
129 94.8 67.3 124.9
131 94.3 65.4 121.4
166 123.4 89.5 166.1





#49

Dibromochloromethane

Concen: 8.102 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU060899.D

Acq: 19 Sep 2024 15:31

Instrument :

MSVOA_U

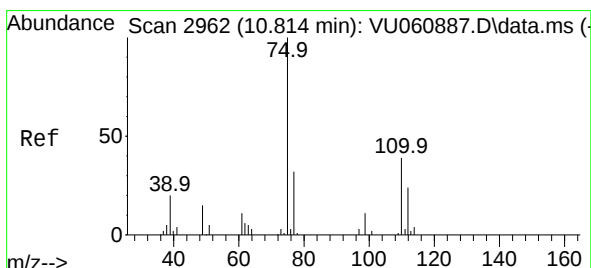
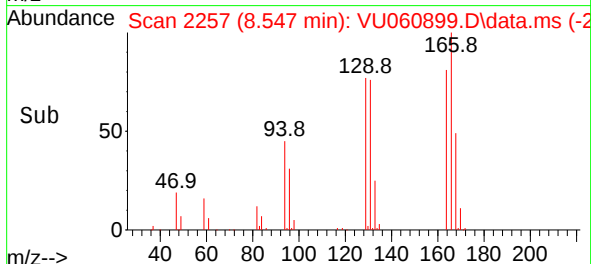
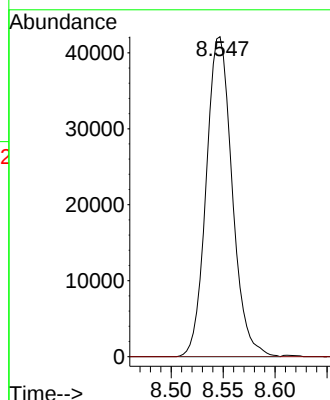
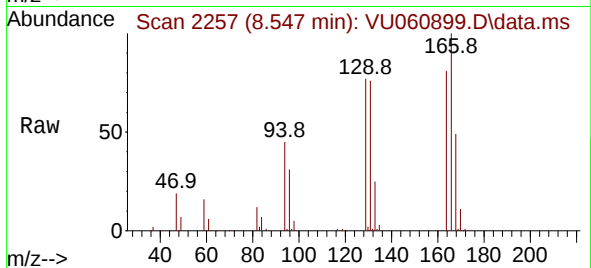
ClientSampleId :

Tgt Ion:129 Resp: 73153

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#61

1,2,3-Trichloropropane

Concen: 1.147 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.994 min

Lab File: VU060899.D

Acq: 19 Sep 2024 15:31

Tgt Ion: 75 Resp: 6406

Ion Ratio Lower Upper

75 100

110 0.8 28.6 43.0#

77 27.2 26.3 39.5

