

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060933.D
 Acq On : 20 Sep 2024 07:51
 Operator : MD/SY
 Sample : P3987-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH8P3

Quant Time: Sep 20 08:05:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 01:34:14 2024
 Response via : Initial Calibration

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

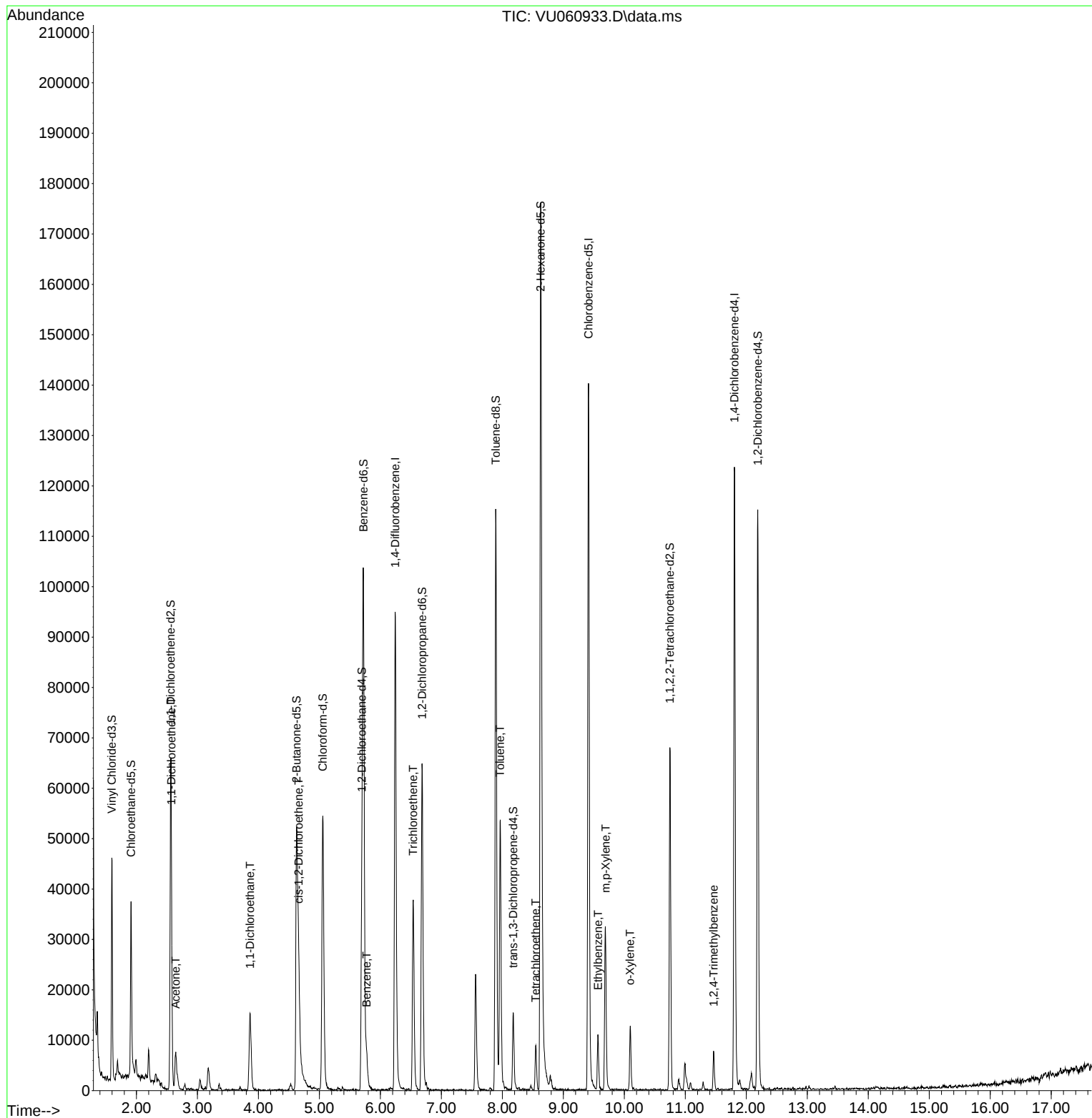
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	87060	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	91248	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	39527	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	28731	3.669	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.911	69	24344	4.367	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.560	65	11777	4.243	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	4.624	46	75083	59.728	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.460%
24) Chloroform-d	5.055	84	55005	4.595	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	30074	5.256	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	5.721	84	102133	4.176	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.682	67	32923	4.351	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.891	98	86378	3.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.177	79	10120	3.715	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.627	63	65338	60.810	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.620%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	35015	5.906	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	35429	5.334	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.573	96	3933	0.718	ug/L	# 1
13) Acetone	2.641	43	10992	13.107	ug/L	96
19) 1,1-Dichloroethane	3.862	63	19044	1.672	ug/L	92
22) cis-1,2-Dichloroethene	4.660	96	6788	1.081	ug/L	89
33) Benzene	5.776	78	6242	0.249	ug/L	100
34) Trichloroethene	6.538	95	14172	2.155	ug/L	98
42) Toluene	7.962	91	43188	1.646	ug/L	96
47) Tetrachloroethene	8.544	164	2251	0.431	ug/L	93
52) Ethylbenzene	9.566	91	8107	0.294	ug/L	89
53) m,p-Xylene	9.692	106	10804	1.032	ug/L	90
54) o-Xylene	10.094	106	3826	0.370	ug/L	78
63) 1,2,4-Trimethylbenzene	11.463	105	4814	0.268	ug/L	90

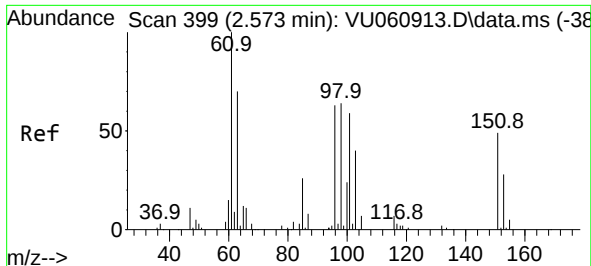
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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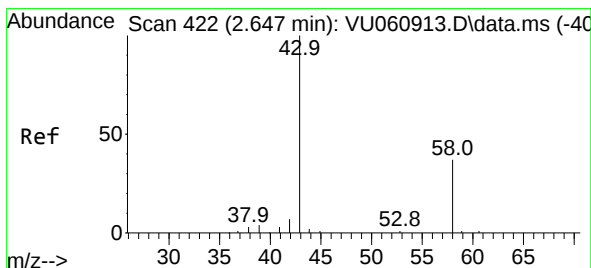
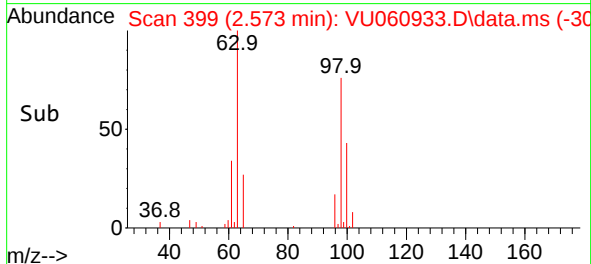
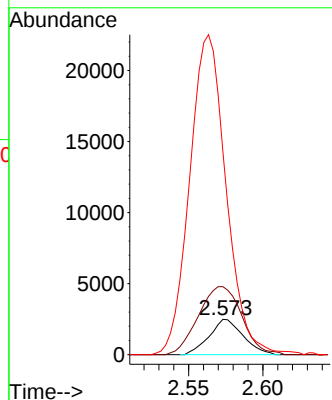
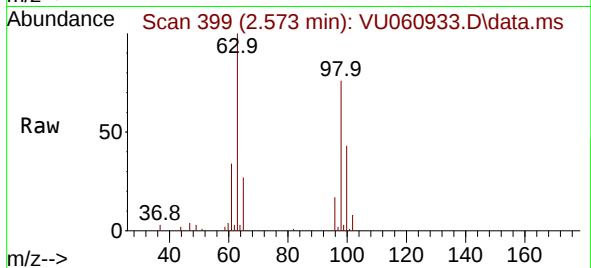




#12
1,1-Dichloroethene
Concen: 0.718 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060933.D
Acq: 20 Sep 2024 07:51

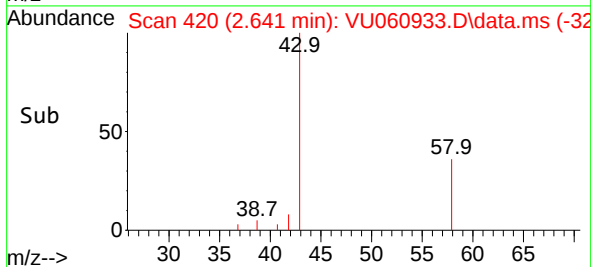
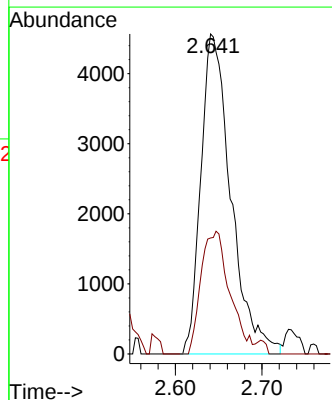
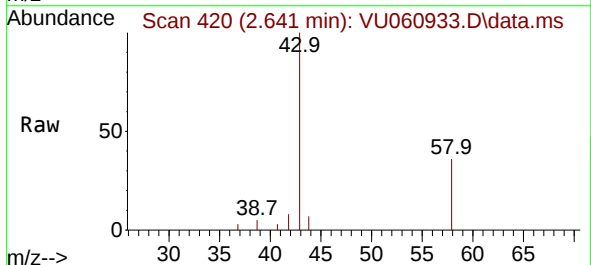
Instrument :
MSVOA_U
ClientSampleId :
BH8P3

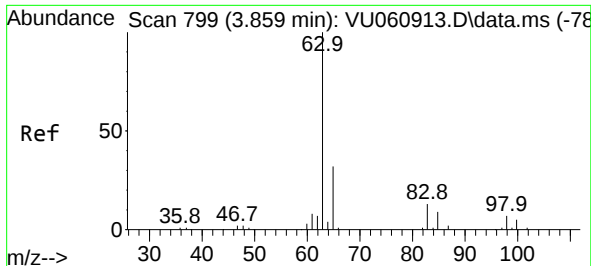
Tgt Ion: 96 Resp: 3933
Ion Ratio Lower Upper
96 100
61 192.8 120.7 224.1
63 575.0 90.0 167.2#



#13
Acetone
Concen: 13.107 ug/L
RT: 2.641 min Scan# 420
Delta R.T. -0.006 min
Lab File: VU060933.D
Acq: 20 Sep 2024 07:51

Tgt Ion: 43 Resp: 10992
Ion Ratio Lower Upper
43 100
58 37.0 0.0 69.6





#19

1,1-Dichloroethane

Concen: 1.672 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU060933.D

Acq: 20 Sep 2024 07:51

Instrument :

MSVOA_U

ClientSampleId :

BH8P3

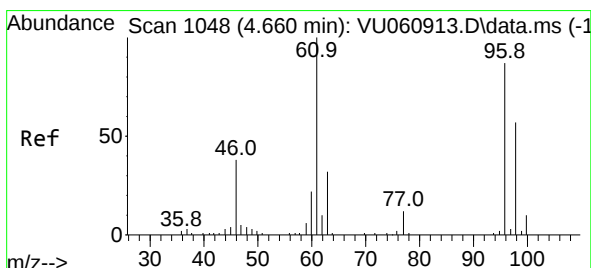
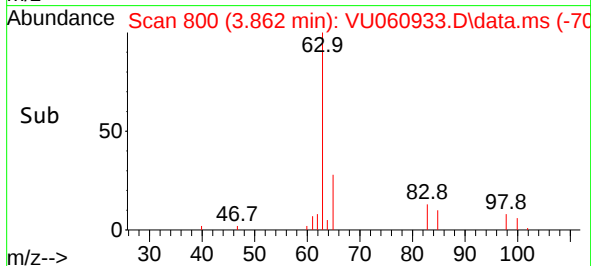
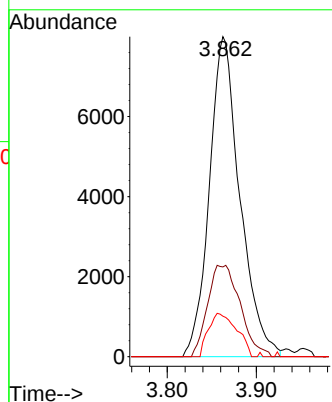
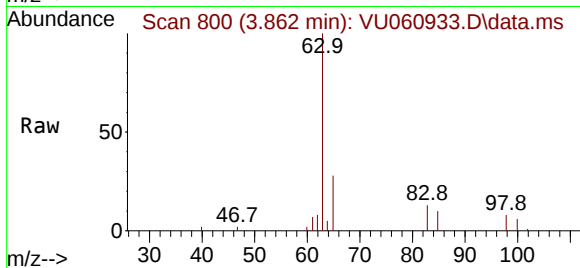
Tgt Ion: 63 Resp: 19044

Ion Ratio Lower Upper

63 100

65 26.8 23.0 42.8

83 12.1 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 1.081 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU060933.D

Acq: 20 Sep 2024 07:51

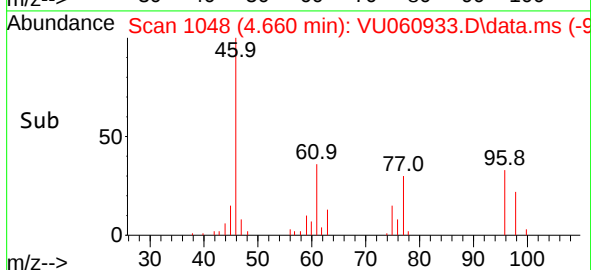
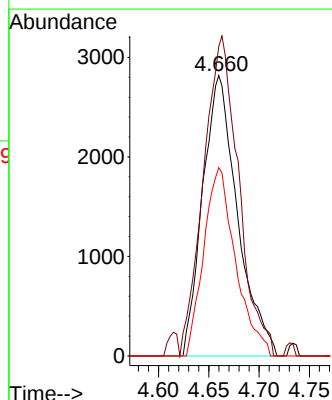
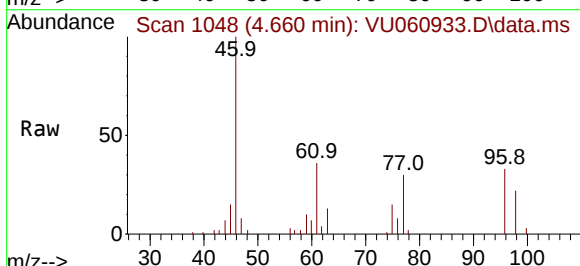
Tgt Ion: 96 Resp: 6788

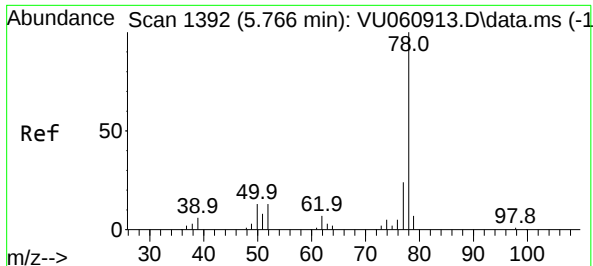
Ion Ratio Lower Upper

96 100

61 110.4 89.7 166.5

98 67.1 45.1 83.9





#33

Benzene

Concen: 0.249 ug/L

RT: 5.776 min Scan# 11

Delta R.T. 0.010 min

Lab File: VU060933.D

Acq: 20 Sep 2024 07:51

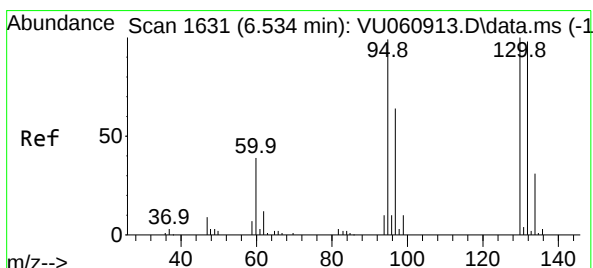
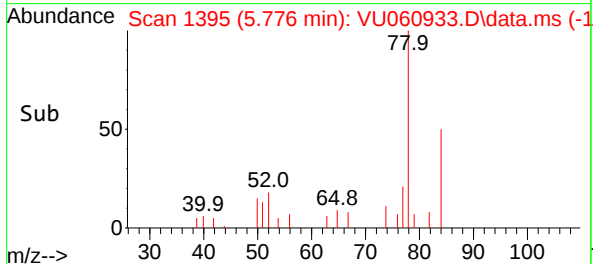
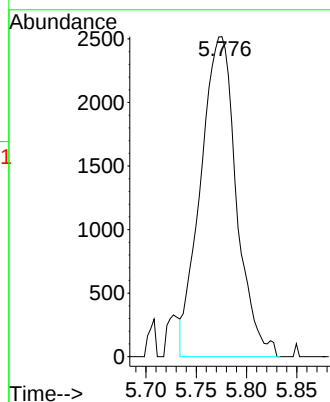
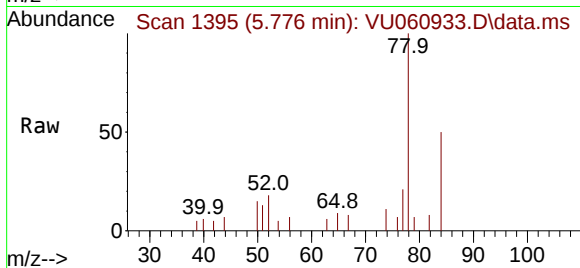
Instrument :

MSVOA_U

ClientSampleId :

BH8P3

Tgt Ion: 78 Resp: 6242



#34

Trichloroethene

Concen: 2.155 ug/L

RT: 6.538 min Scan# 1632

Delta R.T. 0.003 min

Lab File: VU060933.D

Acq: 20 Sep 2024 07:51

Tgt Ion: 95 Resp: 14172

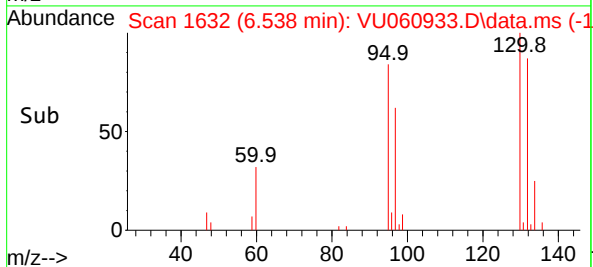
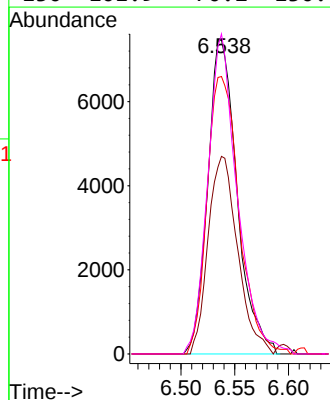
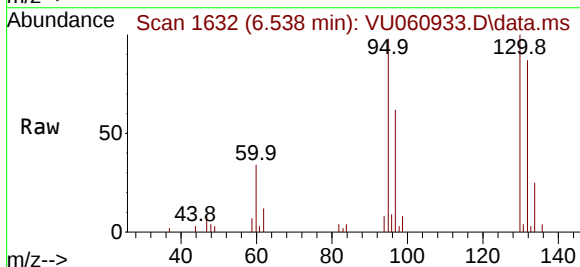
Ion Ratio Lower Upper

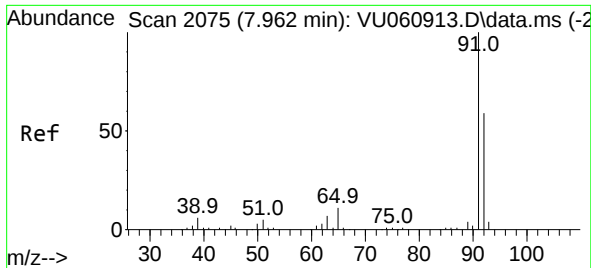
95 100

97 63.0 44.9 83.5

132 88.4 63.5 117.9

130 101.9 70.2 130.4





#42

Toluene

Concen: 1.646 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060933.D

Acq: 20 Sep 2024 07:51

Instrument :

MSVOA_U

ClientSampleId :

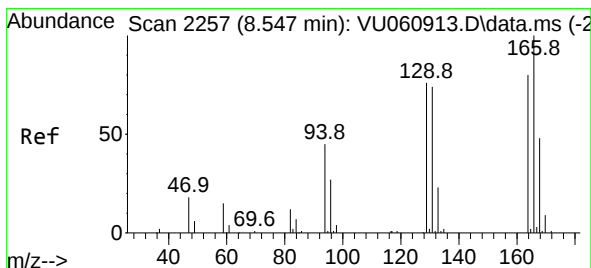
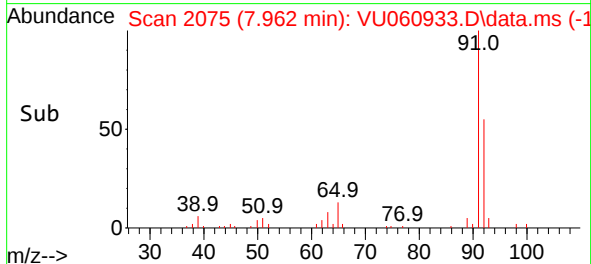
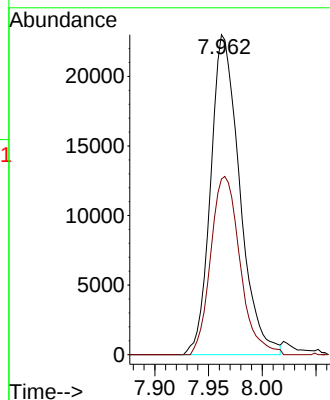
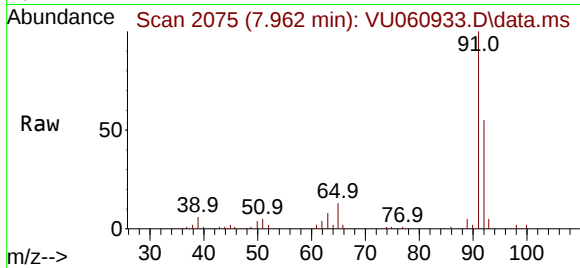
BH8P3

Tgt Ion: 91 Resp: 43188

Ion Ratio Lower Upper

91 100

92 54.9 40.5 75.3



#47

Tetrachloroethene

Concen: 0.431 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU060933.D

Acq: 20 Sep 2024 07:51

Tgt Ion: 164 Resp: 2251

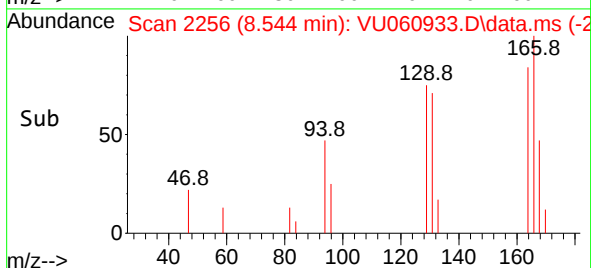
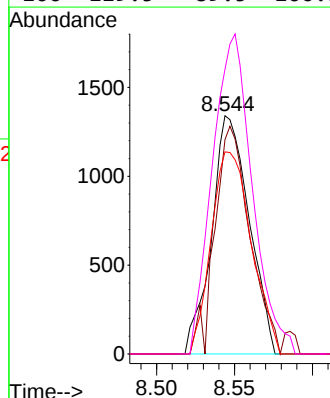
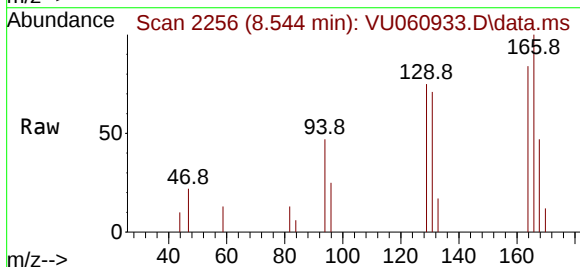
Ion Ratio Lower Upper

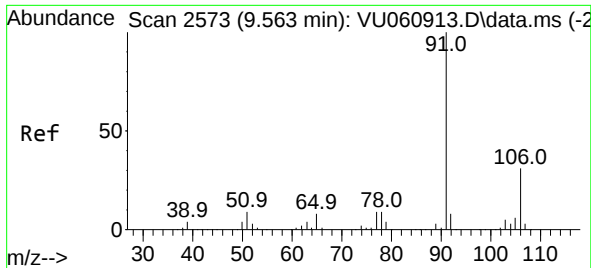
164 100

129 90.0 67.3 124.9

131 84.8 65.4 121.4

166 119.5 89.5 166.1

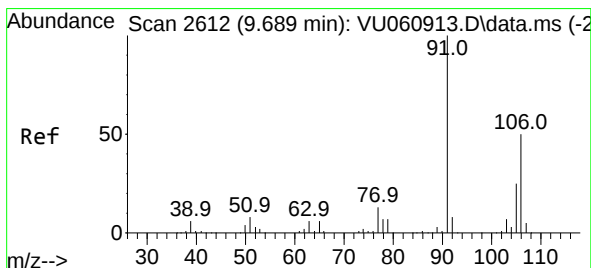
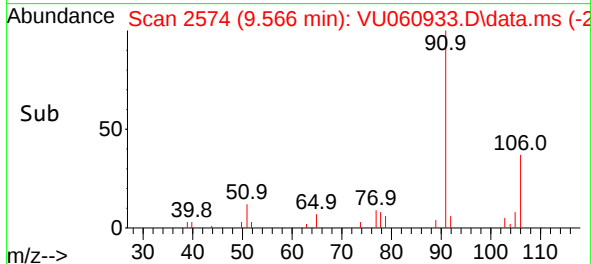
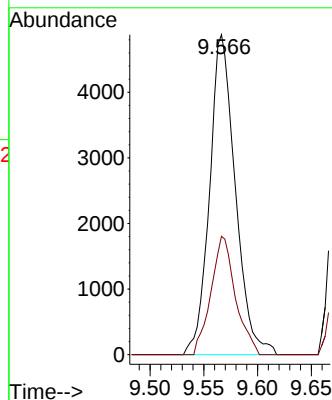
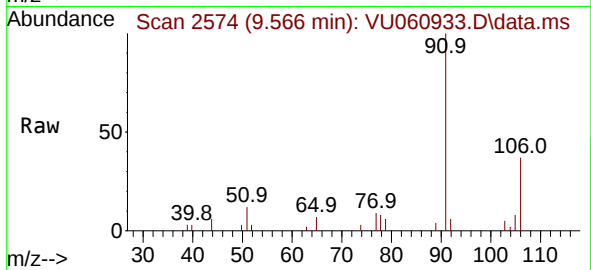




#52
Ethylbenzene
Concen: 0.294 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060933.D
Acq: 20 Sep 2024 07:51

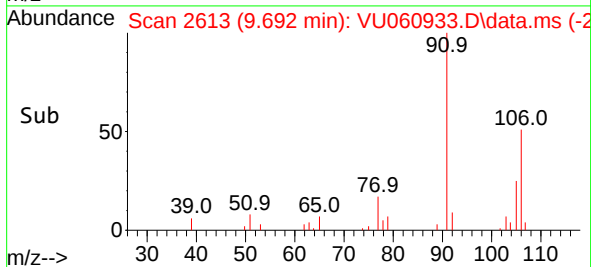
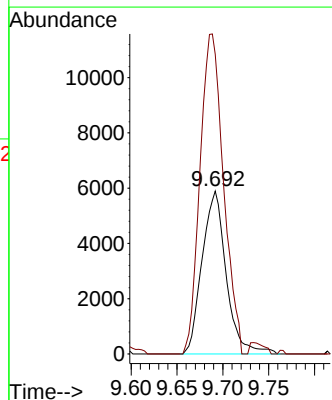
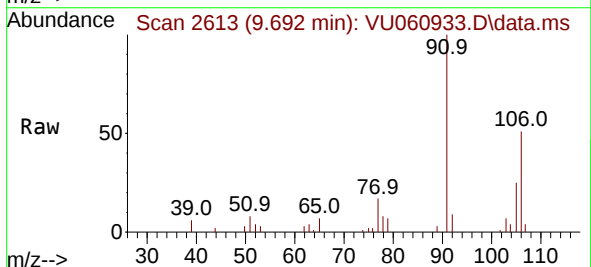
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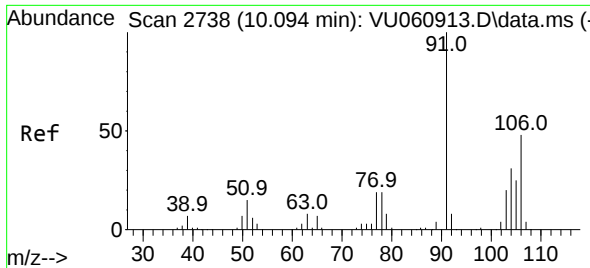
Tgt Ion: 91 Resp: 8107
Ion Ratio Lower Upper
91 100
106 37.0 21.8 40.6



#53
m,p-Xylene
Concen: 1.032 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU060933.D
Acq: 20 Sep 2024 07:51

Tgt Ion: 106 Resp: 10804
Ion Ratio Lower Upper
106 100
91 184.0 139.7 259.4

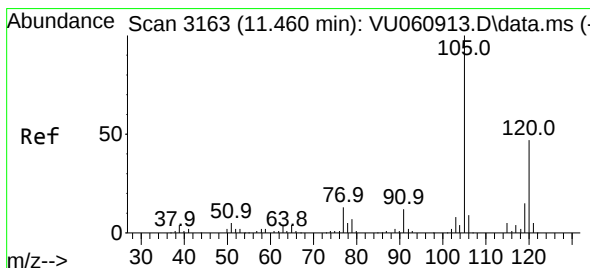
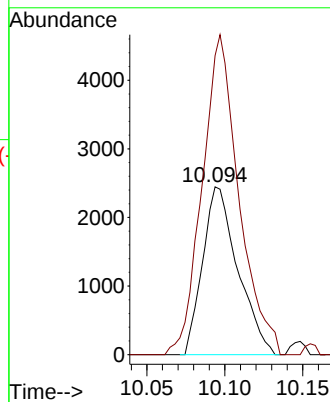
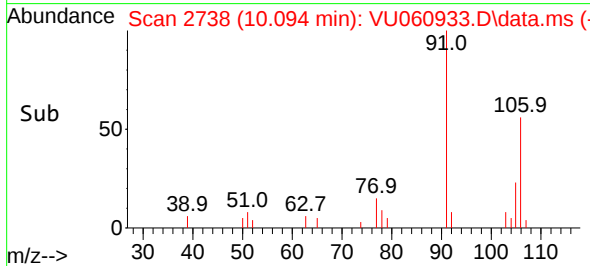
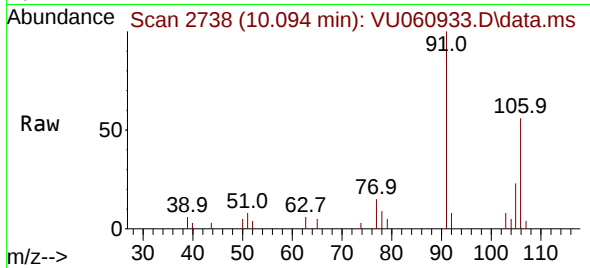




#54
o-Xylene
Concen: 0.370 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060933.D
Acq: 20 Sep 2024 07:51

Instrument :
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Tgt Ion:106 Resp: 3826
Ion Ratio Lower Upper
106 100
91 178.2 148.6 276.0



#63
1,2,4-Trimethylbenzene
Concen: 0.268 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU060933.D
Acq: 20 Sep 2024 07:51

Tgt Ion:105 Resp: 4814
Ion Ratio Lower Upper
105 100
120 51.6 36.1 54.1

