

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
 Data File : VU061092.D
 Acq On : 10 Oct 2024 16:21
 Operator : MD/SY
 Sample : P4380-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E27H6

Quant Time: Oct 11 06:49:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

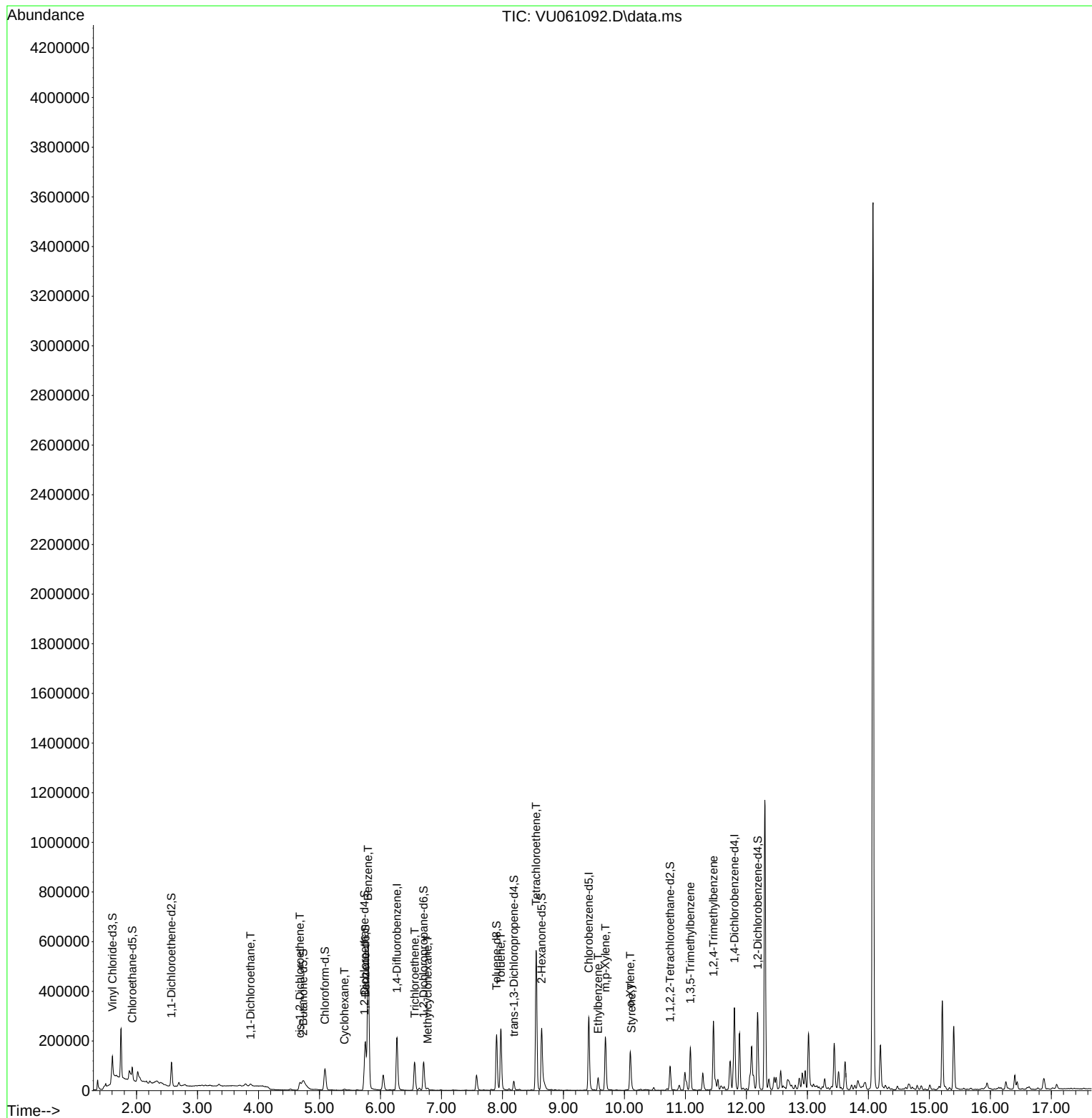
Internal Standards						
1) 1,4-Difluorobenzene	6.271	114	173008	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.415	117	159188	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	79046	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.605	65	39840	3.221	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.930	69	33326	3.599	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.573	65	17918	3.284	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.600%
20) 2-Butanone-d5	4.734	46	103031	34.774	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.540%
24) Chloroform-d	5.091	84	82131	3.767	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
26) 1,2-Dichloroethane-d4	5.737	65	44166	3.822	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
32) Benzene-d6	5.753	84	162687	3.876	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
36) 1,2-Dichloropropane-d6	6.708	67	56034	4.065	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.904	98	149251	3.804	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.187	79	21389	3.629	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.600%
46) 2-Hexanone-d5	8.643	63	96937	39.736	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.480%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	39898	3.947	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	53589	4.240	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.800%
Target Compounds						
					Qvalue	
19) 1,1-Dichloroethane	3.869	63	8668	0.407	ug/L #	94
22) cis-1,2-Dichloroethene	4.679	96	15072	1.236	ug/L	95
30) Cyclohexane	5.409	56	2423	0.118	ug/L #	79
33) Benzene	5.798	78	548959	11.698	ug/L	100
34) Trichloroethene	6.560	95	38821	3.052	ug/L	96
35) Methylcyclohexane	6.775	83	3333	0.162	ug/L #	82
42) Toluene	7.975	91	183305	3.667	ug/L	100
47) Tetrachloroethene	8.553	164	116496	14.071	ug/L	96
52) Ethylbenzene	9.569	91	37035	0.654	ug/L	96
53) m,p-Xylene	9.688	106	59974	2.902	ug/L	90
54) o-Xylene	10.097	106	38399	1.889	ug/L	90
55) Styrene	10.116	104	13200	0.402	ug/L	85
62) 1,3,5-Trimethylbenzene	11.081	105	91374	1.961	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	151988	3.232	ug/L	97

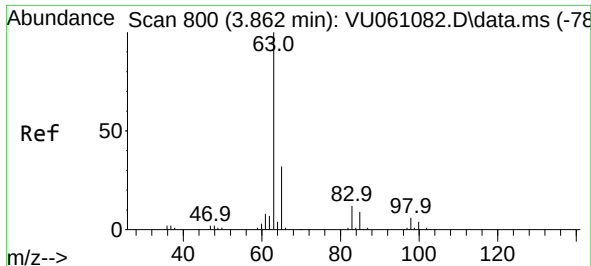
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 0.407 ug/L

RT: 3.869 min Scan# 80

Delta R.T. 0.007 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

ClientSampleId :

E27H6

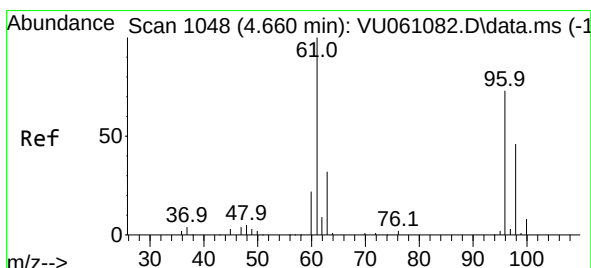
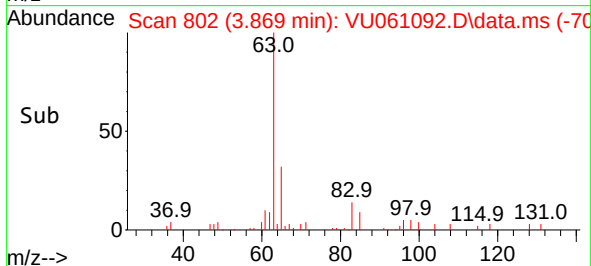
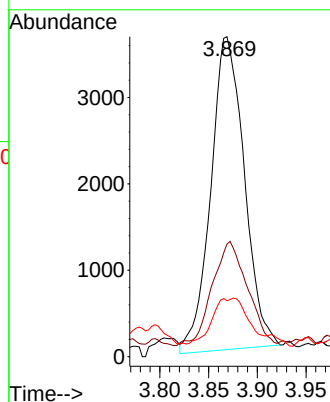
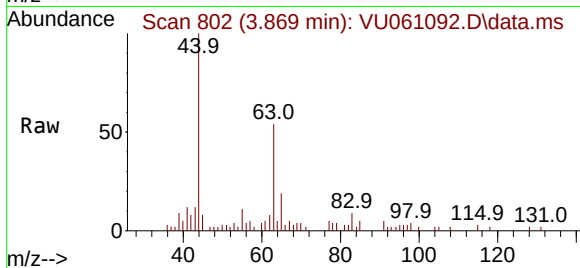
Tgt Ion: 63 Resp: 8668

Ion Ratio Lower Upper

63 100

65 35.1 23.0 42.8

83 17.5 9.0 16.6#



#22

cis-1,2-Dichloroethene

Concen: 1.236 ug/L

RT: 4.679 min Scan# 1054

Delta R.T. 0.019 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

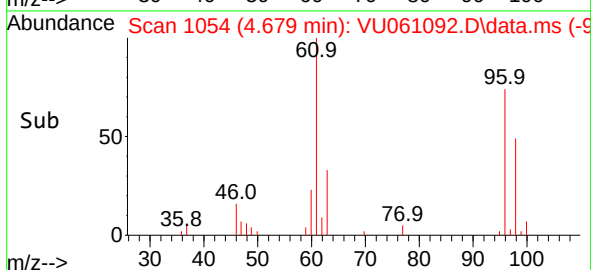
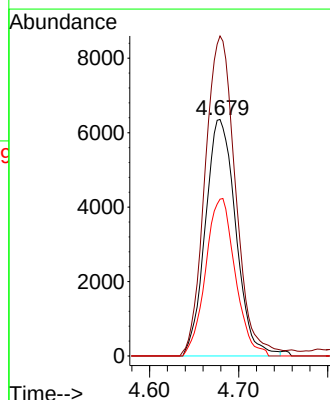
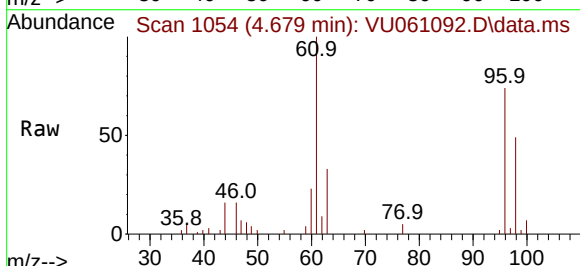
Tgt Ion: 96 Resp: 15072

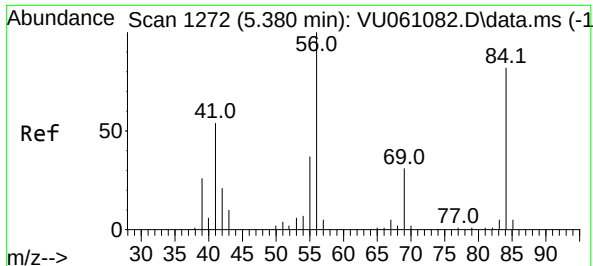
Ion Ratio Lower Upper

96 100

61 135.3 89.7 166.5

98 66.3 45.1 83.9





#30

Cyclohexane

Concen: 0.118 ug/L

RT: 5.409 min Scan# 11

Delta R.T. 0.029 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

ClientSampleId :

E27H6

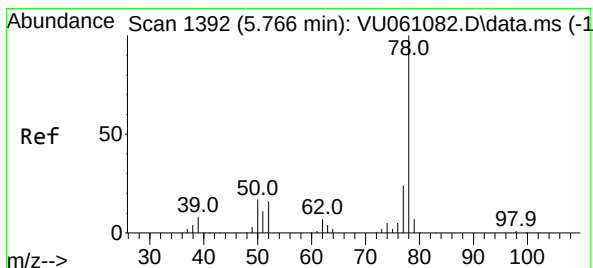
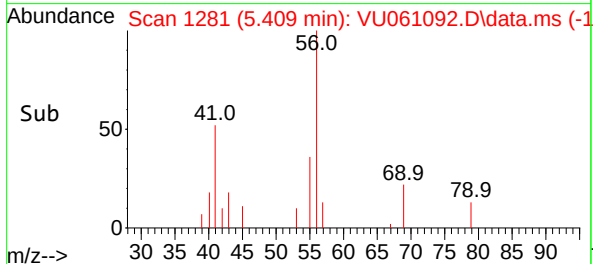
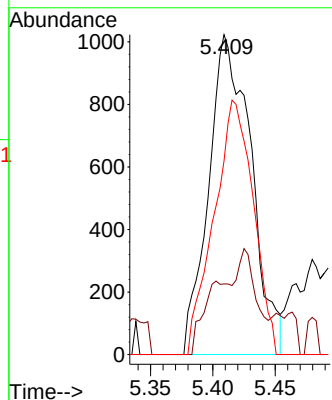
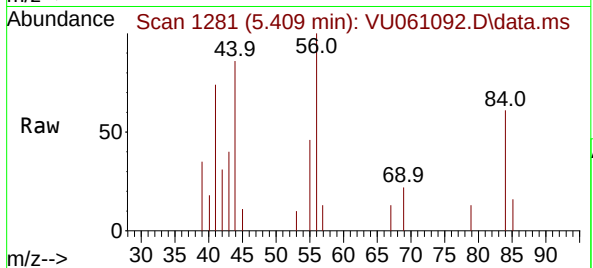
Tgt Ion: 56 Resp: 2423

Ion Ratio Lower Upper

56 100

69 11.5 25.4 38.0#

84 73.8 71.0 106.6



#33

Benzene

Concen: 11.698 ug/L

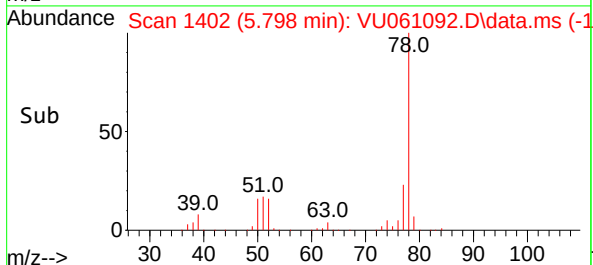
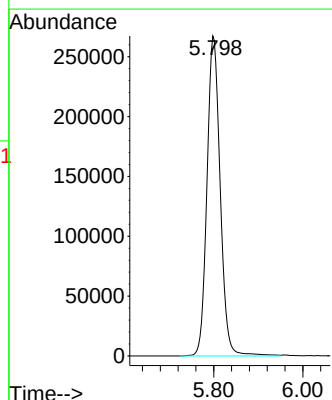
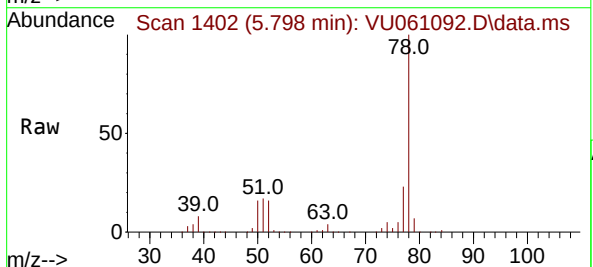
RT: 5.798 min Scan# 1402

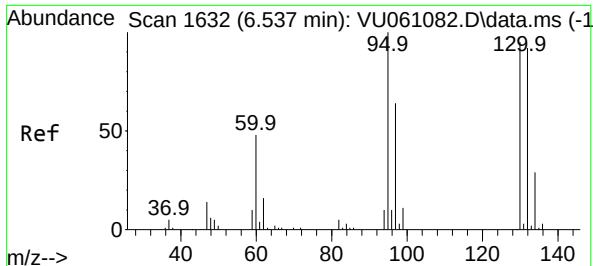
Delta R.T. 0.032 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Tgt Ion: 78 Resp: 548959





#34

Trichloroethene

Concen: 3.052 ug/L

RT: 6.560 min Scan# 1

Delta R.T. 0.023 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

ClientSampleId :

E27H6

Tgt Ion: 95 Resp: 38821

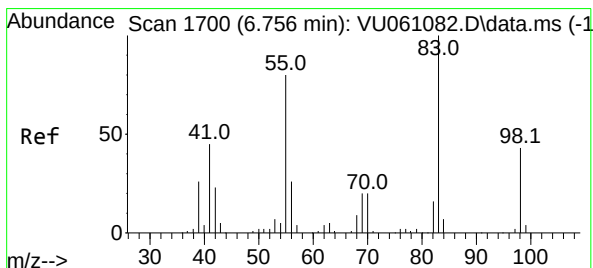
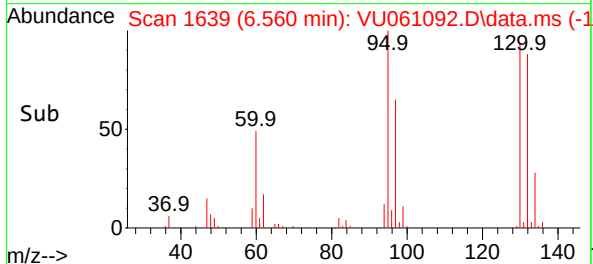
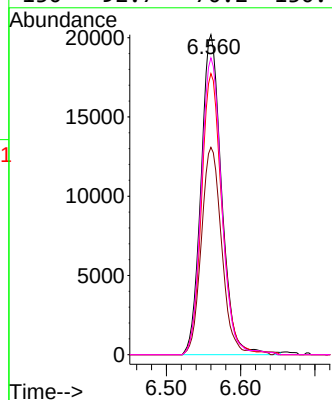
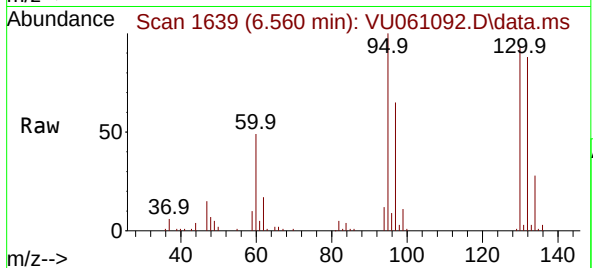
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.5

132 87.9 63.5 117.9

130 92.7 70.2 130.4



#35

Methylcyclohexane

Concen: 0.162 ug/L

RT: 6.775 min Scan# 1706

Delta R.T. 0.019 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

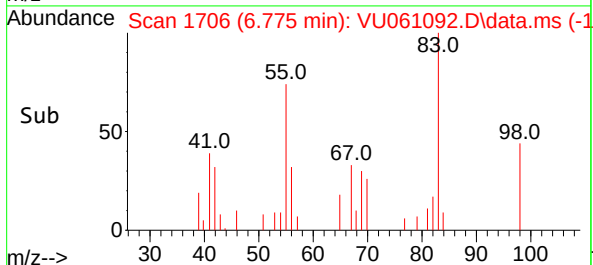
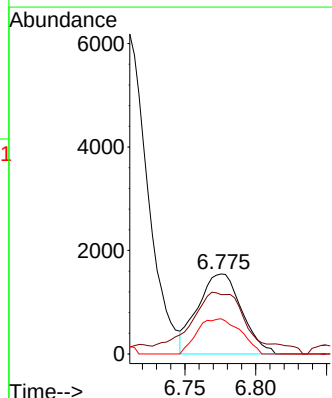
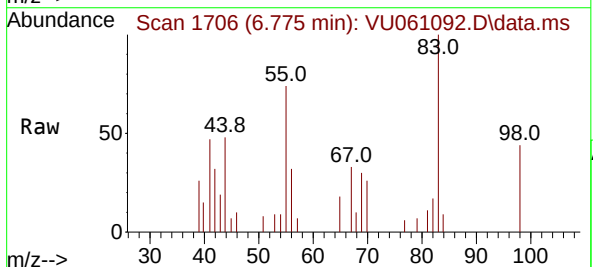
Tgt Ion: 83 Resp: 3333

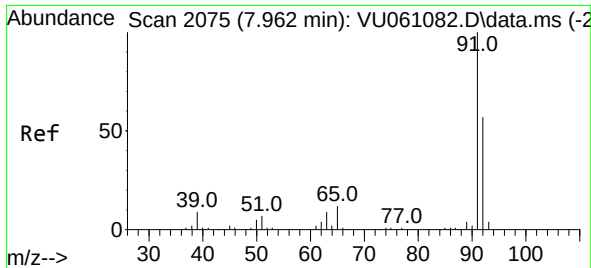
Ion Ratio Lower Upper

83 100

55 100.3 62.6 94.0#

98 43.3 37.6 56.4





#42

Toluene

Concen: 3.667 ug/L

RT: 7.975 min Scan# 2075

Delta R.T. 0.013 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

ClientSampleId :

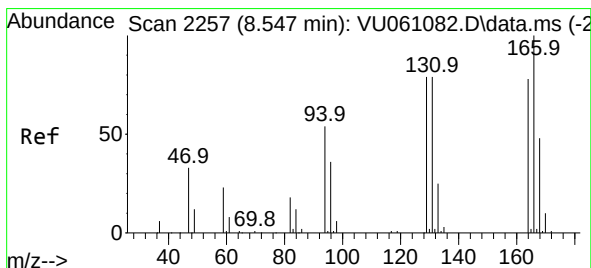
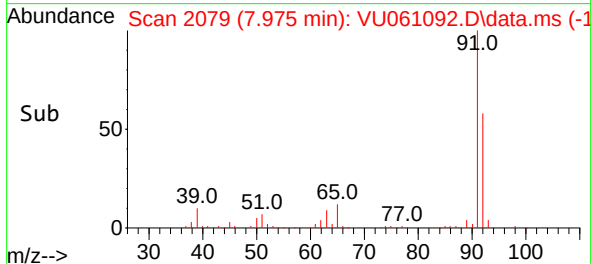
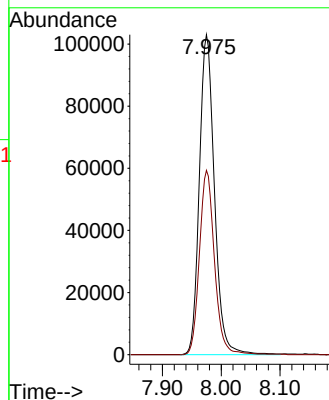
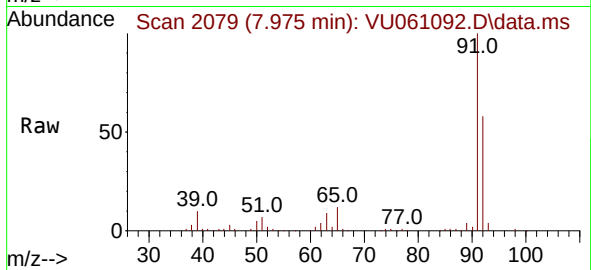
E27H6

Tgt Ion: 91 Resp: 183305

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.3



#47

Tetrachloroethene

Concen: 14.071 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.007 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Tgt Ion: 164 Resp: 116496

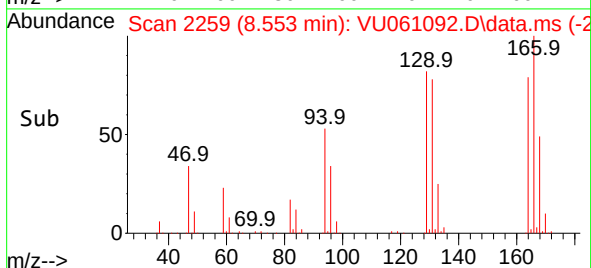
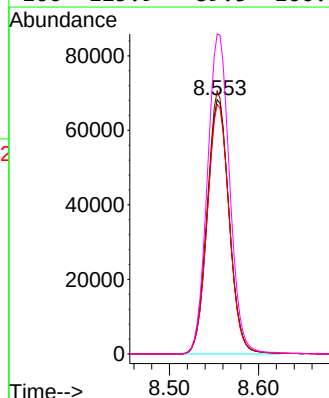
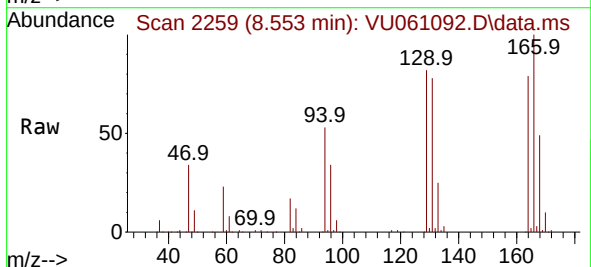
Ion Ratio Lower Upper

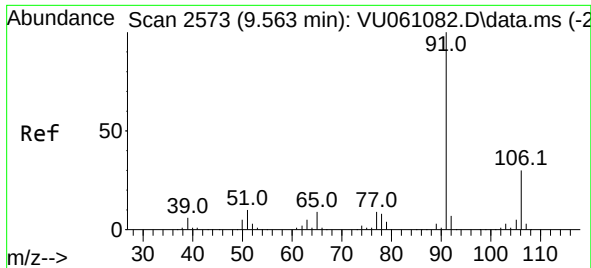
164 100

129 103.4 67.3 124.9

131 98.2 65.4 121.4

166 125.9 89.5 166.1

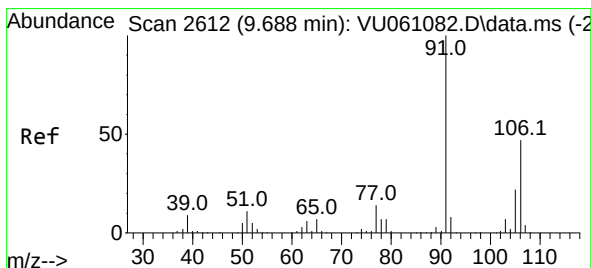
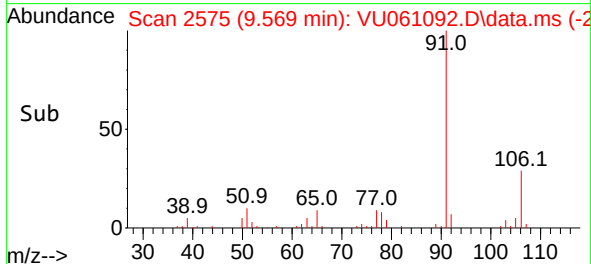
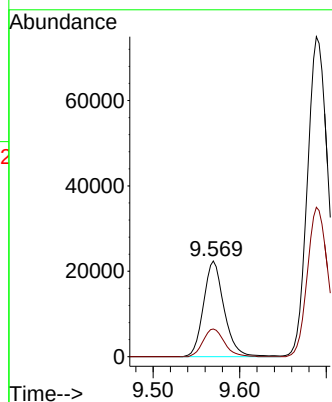
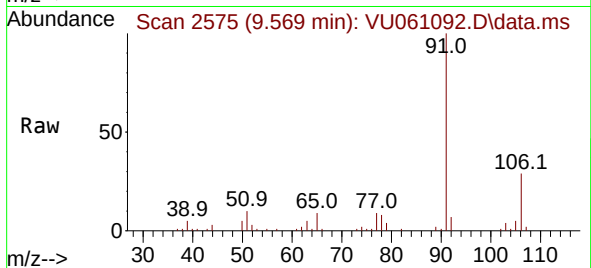




#52
Ethylbenzene
Concen: 0.654 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

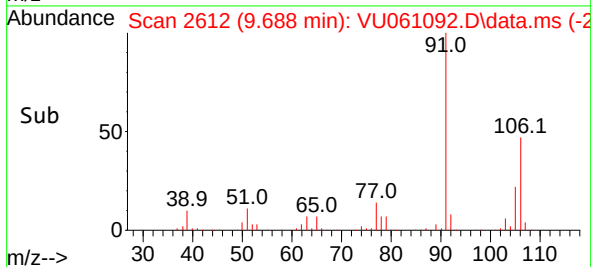
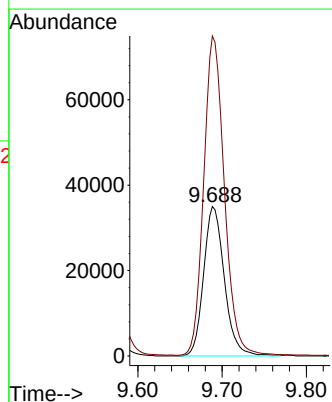
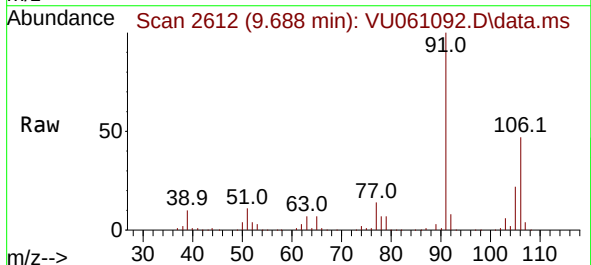
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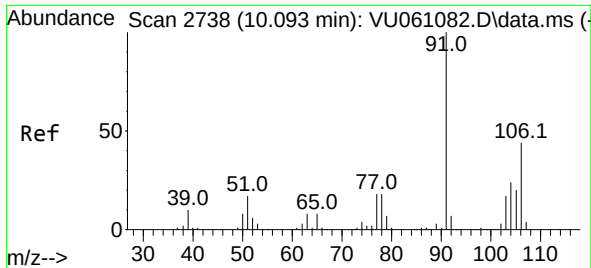
Tgt Ion: 91 Resp: 37035
Ion Ratio Lower Upper
91 100
106 29.0 21.8 40.6



#53
m,p-Xylene
Concen: 2.902 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Tgt Ion: 106 Resp: 59974
Ion Ratio Lower Upper
106 100
91 214.1 139.7 259.4

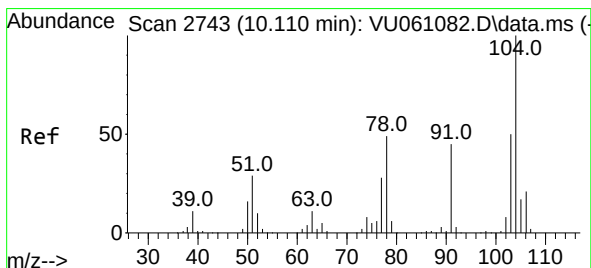
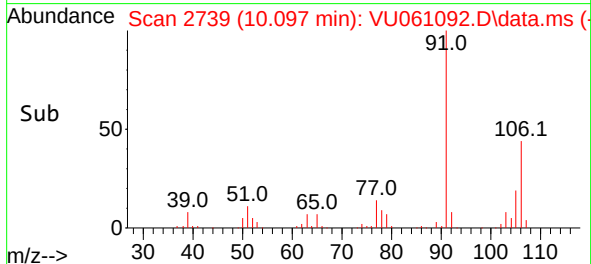
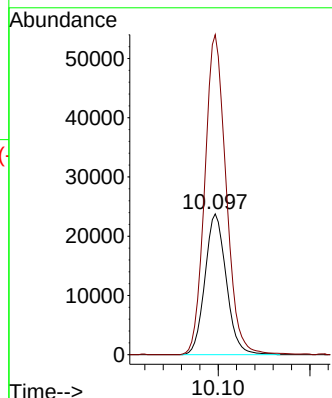
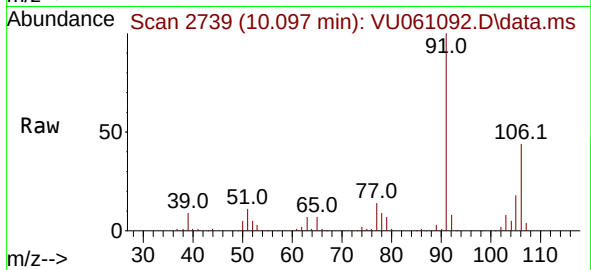




#54
o-Xylene
Concen: 1.889 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

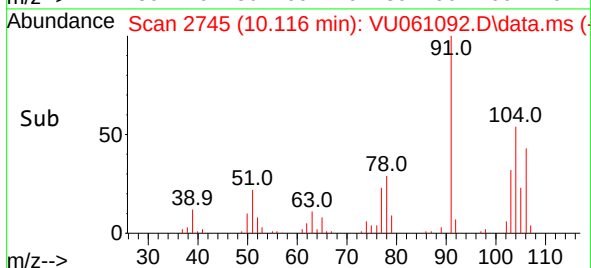
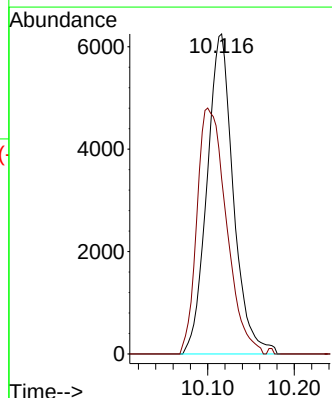
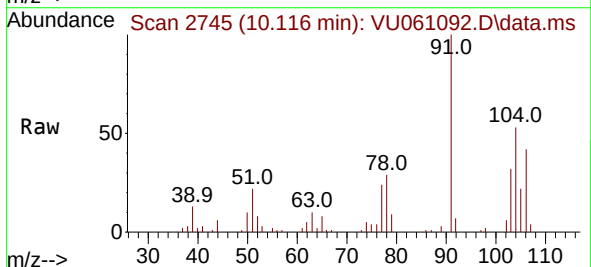
Instrument :
MSVOA_U
ClientSampleId :
E27H6

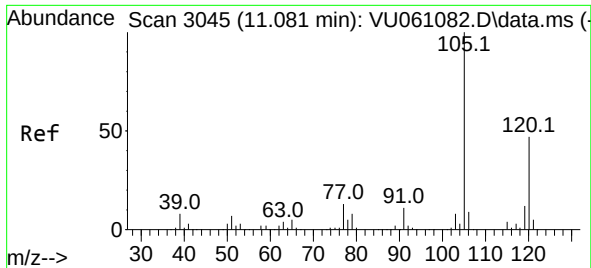
Tgt Ion:106 Resp: 38399
Ion Ratio Lower Upper
106 100
91 227.3 148.6 276.0



#55
Styrene
Concen: 0.402 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.007 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Tgt Ion:104 Resp: 13200
Ion Ratio Lower Upper
104 100
78 54.8 31.7 58.9

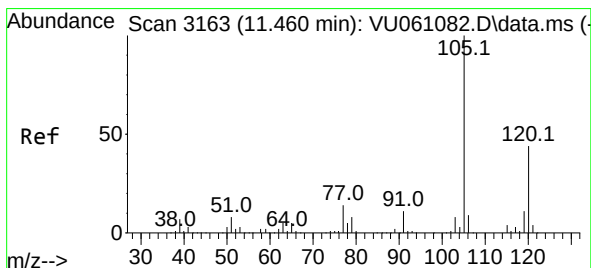
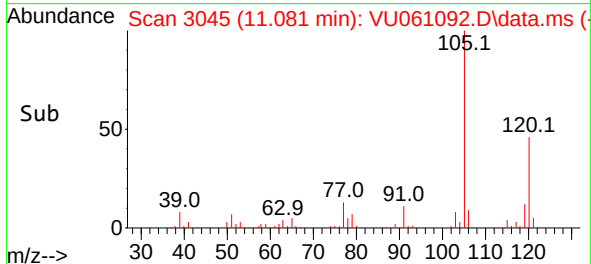
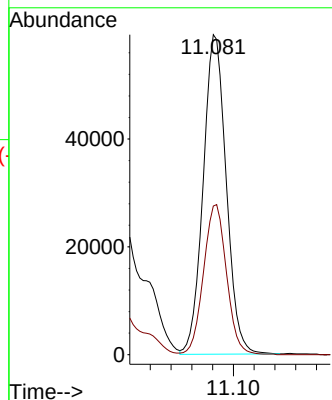
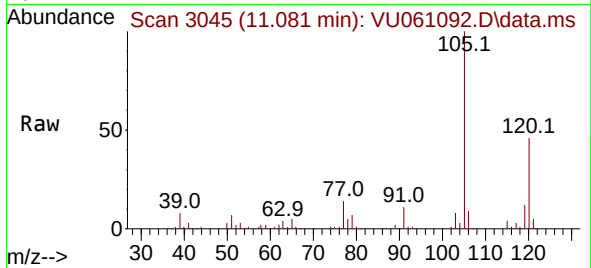




#62
1,3,5-Trimethylbenzene
Concen: 1.961 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Tgt Ion:105 Resp: 91374
Ion Ratio Lower Upper
105 100
120 47.0 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 3.232 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Tgt Ion:105 Resp: 151988
Ion Ratio Lower Upper
105 100
120 43.3 36.1 54.1

